Ed Svec

Florida Department of

Memorandum Environmental Protection

TO: Chris Kirts, NED

FROM: Bruce Mitchell

DATE: June 10, 1997

SUBJECT: Completeness Review of an Application Package for a Title V Operation Permit
Seminole Electric Cooperative, Putnam Plant: 1070025-001-AV

The Title V operating permit application package for the referenced facility is being processed in Tallahassee. The application was previously forwarded to your office for your files and future reference. Please have someone review the package for completeness and respond in writing by July 10, 1997, if you have any comments. Otherwise, no response is required. If there are any questions, please call the project engineer, Ed Svec, at 904/488-1344 or SC:278-1344. It is very important to verify the compliance statement regarding the facility. Since we do not have a readily effective means of determining compliance at the time the application was submitted, please advise if you know of any emissions unit(s) that were not in compliance at that time and provide supporting information. Also, do not write on the documents.

If there are any questions regarding this request, please call me or Scott Sheplak at the above number(s).

RBM/bjb

cc: Bob Leech

Ed Svec

Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

FAX TRANSMITTAL SHEET

TO: Debbie Stamp — Legal Ad Section

DATE: 9/18/97 PHONE: (904) 359-4258

TOTAL NUMBER OF PAGES, INCLUDING COVER PAGE: 4

FROM: Barbara Boutwell

DIVISION OF AIR RESOURCES MANAGEMENT

COMMENTS: Please call me to confirm that you received this fax -

PHONE: (850) 488-1344 FAX NUMBER: 904/922-6979

If there are any problems with this fax transmittal, please call the above phone number.

DIVISION OF AIR RESOURCES MANAGMENT
2600 BLAIR STONE ROAD, MS 5500, TALLAHASSEE, FL 32399-2400

TO: Florida Times-Union

FROM: Jeanne Carver PHONE: 850-488-0114

Number of pages including cover sheet:

Please run the attached ad on September 24, 1997. . Please provide invoice, certification of publication, and tear sheet to me at above address.

Purchase order no.: 830346

Thank you.

PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Title V DRAFT Permit No.: 1070025-001-AV
Seminole Power Plant
Putnam County

The Department of Environmental Protection (permitting authority) gives notice of its intent to issue a Title V air operation permit to Seminole Electric Cooperative, Inc. for the Seminole Power Plant located east of U.S. Highway 17, approximately seven miles north of Palatka. Putnam County. The applicant's name and address are: Seminole Electric Cooperative, Inc., 16313 North Dale Mabry Highway, Tampa, Florida 33618.

The permitting authority will issue the Title V PROPOSED Permit, and subsequent Title V FINAL Permit, in accordance with the conditions of the Title V DRAFT Permit unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The permitting authority will accept written comments concerning the proposed Title V DRAFT Permit issuance action for a period of 30 (thirty) days from the date of publication of this Notice. Written comments should be provided to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this DRAFT Permit, the permitting authority shall issue a Revised DRAFT Permit and require, if applicable, another Public Notice.

The permitting authority will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57, F.S. Mediation under Section 120.573, F.S., will not be available for this proposed action.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: 904/488-9730; Fax: 904/487-4938). Petitions must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of the notice of intent, whichever occurs first. A petitioner must mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the applicable time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-5.207 of the Florida Administrative Code.

A petition must contain the following information:

(a) The name, address, and telephone number of each petitioner, the applicant's name and address, the 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 permitting authority's action or proposed action;

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

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

(e) A statement of the facts that the petitioner contends warrant reversal or modification of the permitting authority's action or proposed action;

(f) A statement identifying the rules or statutes that the petitioner contends require reversal or modification of the permitting authority's action or proposed action; and,

(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the permitting authority to take with respect to the action or proposed action addressed in this notice of intent.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the permitting authority's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the permitting authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

In addition to the above, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within 60 (sixty) days of the expiration of the Administrator's 45 (forty-five) day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to issuance of any permit. Any petition shall be based only on objections to the permit that were raised with reasonable specificity during the 30 (thirty) day public comment period provided in this notice, unless the petitioner demonstrates to the Administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any permit properly issued pursuant to the provisions of Chapter 62-213, F.A.C. Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C. Section 7661d(b)(2) and must be filed with the Administrator of the EPA at 410 M. Street, SW, Washington, D.C. 20460.

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

Permitting Authority:
Department of Environmental Protection
Bureau of Air Regulation
111 South Magnolia Drive, Suite 4
Tallahassee, Florida 32301
Telephone: 904/488-1344
Fax: 904/922-6979

Affected District/Local Program:
Department of Environmental Protection
Northeast District Office
7825 Baymeadows Way, Suite 200B
Jacksonville, Florida 32256-7590
Telephone: 904/448-4300
Fax: 904/448-4363

The complete project file includes the DRAFT Permit, the application, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact Scott M. Sheplak, P.E., at the above address, or call 904/488-1344, for additional information.

SEMINOLE ELECTRIC COOPERATIVE INCORPORATED

RECEIVED
SEP 17 1997
BUREAU OF
AIR REGULATION

September 12, 1997

Mr. Ed Svec
Florida Department of Environmental Protection
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Fl 32399-2400

RE: Seminle Power Plant Title V Permit Application

Dear Mr. Svec:

As a follow up to your recent information request, please find enclosed four sets of updates to the Seminole Electric Cooperative Inc.(SECI) Title V permit application. These updates include the folowing information:

- Signed Authorized Representative Form
- Signed P.E. Certification
- Segment D. Forms for: Coal, Petcoke, No.2 fuel oil, used oil.
- No. 2 fuel oil specification sheet
- No. 2 fuel oil analysis sheet
- Used oil analysis sheet

The enclosed information includes four hardcopy originals and four diskettes containing the electronic version.

Please contact me at (813) 963-0994 if there are any questions regarding the enclosed material.

Sincerely,

Mike Roddy
Environmental Engineer

MR/mdj

16313 NORTH DALE MABRY HIGHWAY • P.O. BOX 272000 • TAMPA, FLORIDA 33688-2000 • (813) 963-0994

Ed, 9/18/97

& kept one set &
original letter
for file.

Barb

Owner/Authorized Representative or Responsible Official

1. Name and Title of Owner/Authorized Representative or Responsible Official:
   Richard Midulla
   ~~**Senior Vice President, Technical Division**~~ Executive Vice President & Gen. Mgr.

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

   Organization/Firm: **Seminole Electric Cooperative, Inc.**
   Street Address: **16313 North Dale Mabry Highway**
   City: **Tampa** State: **FL** Zip Code: **33618**

3. Owner/Authorized Representative or Responsible Official Telephone Numbers:
   Telephone: **(813) 963-0994** Fax: **(813) 264-7906**

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 unit.*

   Signature _____ Date 9/17/97

* Attach letter of authorization if not currently on file.

Professional Engineer Certification

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

4. Professional Engineer Statement:

I, the undersigned, hereby certify, 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 pollution 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 emission 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 unit 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.

Signature

Date: 9/11/97

(seal)

*Attach any exception to certification statement.

Application Contact

1. Name and Title of Application Contact :

Name : Mr. Mike Roddy
Title : Environmental Engineer

2. Application Contact Mailing Address :

Organization/Firm : Seminole Electric Cooperative, Inc.
Street Address : 16313 North Dale Mabry Highway
City : Tampa
State : FL Zip Code : 33618-____

3. Application Contact Telephone Numbers :

Telephone : (813)963-0994 Fax : (813)264-7906

Application Comment

Initial Title V operating permit application for the existing Seminole Electric Cooperative, Inc. Seminole Power Plant.

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Steam Electric Generator No. 1

Segment Description and Rate : Segment 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Coal burned in Unit No. 1	
2. Source Classification Code (SCC) : 1-01-002-02	
3. SCC Units : Tons Burned (all solid fuels)	
4. Maximum Hourly Rate : 342.00	5. Maximum Annual Rate : 2,991,749.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 4.30	8. Maximum Percent Ash : 13.00
9. Million Btu per SCC Unit : 21	
10. Segment Comment : Coal-fired unit. Coal sulfur content is a maximum of 4.3 weight %. Data provided in Fields 4, 5, and 9 based on a nominal coal heating value of 10,500 Btu/lb on an as-received basis and maximum heat input of 7,172 MMBtu/hr.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Steam Electric Generator No. 1

Segment Description and Rate : Segment 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : No. 2 fuel oil burned in Unit No. 1 for startups, flame stabilization, and reserve capacity.	
2. Source Classification Code (SCC) : 1-01-005-01	
3. SCC Units : Thousand Gallons Burned (all liquid fuels)	
4. Maximum Hourly Rate : 3.32	5. Maximum Annual Rate : 1,664.20
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 0.50	8. Maximum Percent Ash : 0.01
9. Million Btu per SCC Unit : 136	
10. Segment Comment : No. 2 fuel oil used for startups, flame stabilization, emergency reserve capacity during statewide energy shortages, and limited supplemental load. SECI intends to initiate the utilization of up to 500,000 gallons per year of on-spec used oil (in lieu of No. 2 fuel oil) within the current permit cycle.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Steam Electric Generator No. 1

Segment Description and Rate : Segment 3

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : On-spec used oil burned in Unit No. 1 for startups, flame stabilization, and reserve capacity.	
2. Source Classification Code (SCC) : 1-01-005-04	
3. SCC Units : Thousand Gallons Burned (all liquid fuels)	
4. Maximum Hourly Rate : 3.32	5. Maximum Annual Rate : 500.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 0.50	8. Maximum Percent Ash : 0.01
9. Million Btu per SCC Unit : 142	
10. Segment Comment : On-spec used oil used for startups, flame stabilization, emergency reserve capacity during statewide energy shortages, and limited supplemental load. SECI intends to initiate the utilization of up to 500,000 gallons per year of on-spec used oil (in lieu of No. 2 fuel oil) within the current permit cycle.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Steam Electric Generator No. 1

Segment Description and Rate : Segment 4

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Petroleum coke burned in Unit No. 1	
2. Source Classification Code (SCC) : 1-01-002-02	
3. SCC Units : Tons Burned (all solid fuels)	
4. Maximum Hourly Rate : 93.00	5. Maximum Annual Rate : 814,680.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 7.00	8. Maximum Percent Ash : 1.00
9. Million Btu per SCC Unit : 26	
10. Segment Comment : Data provided in Fields 4 and 5 based on PSD Permit No. PSD-FL-018(A) modification Item 6. and Conditions of Certification PA 78-10F modification Section 2.f.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Steam Electric Generator No. 1

Segment Description and Rate : Segment 5

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Coal and petroleum coke burned in Unit No. 1	
2. Source Classification Code (SCC) : 1-01-002-02	
3. SCC Units : Tons Burned (all solid fuels)	
4. Maximum Hourly Rate : 319.00	5. Maximum Annual Rate : 2,792,299.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 5.10	8. Maximum Percent Ash : 9.40
9. Million Btu per SCC Unit : 23	

10. Segment Comment :

Data provided in Fields 4, 5, 7, 8, and 9 based on a 70/30 weight percent blend of coal/petroleum coke on an as-received basis. Composite sulfur content in Field 7 is based on 4.3% S for coal and 7.0% S for petroleum coke.

Data provided in Fields 4, 5, and 9 based on nominal coal and petroleum coke heating values of 10,500 and 13,000 Btu/lb, respectively, on an as-received basis.

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Steam Electric Generator No. 2

Segment Description and Rate : Segment 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Coal burned in Unit No. 2	
2. Source Classification Code (SCC) : 1-01-002-02	
3. SCC Units : Tons Burned (all solid fuels)	
4. Maximum Hourly Rate : 342.00	5. Maximum Annual Rate : 2,991,749.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 4.30	8. Maximum Percent Ash : 13.00
9. Million Btu per SCC Unit : 21	
10. Segment Comment : Coal-fired unit. Coal sulfur content is a maximum of 4.3 weight %. Data provided in Fields 4, 5, and 9 based on a nominal coal heating value of 10,500 Btu/lb on an as-received basis and maximum heat input of 7,172 MMBtu/hr.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Steam Electric Generator No. 2

Segment Description and Rate : Segment 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : No. 2 fuel oil burned in Unit No. 2 for startups, flame stabilization, and reserve capacity.	
2. Source Classification Code (SCC) : 1-01-005-01	
3. SCC Units : Thousand Gallons Burned (all liquid fuels)	
4. Maximum Hourly Rate : 3.32	5. Maximum Annual Rate : 1,664.20
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 0.50	8. Maximum Percent Ash : 0.01
9. Million Btu per SCC Unit : 136	
10. Segment Comment : No. 2 fuel oil used for startups, flame stabilization, emergency reserve capacity during statewide energy shortages, and limited supplemental load. SECI intends to initiate the utilization of up to 500,000 gallons per year of on-spec used oil (in lieu of No. 2 fuel oil) within the current permit cycle.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Steam Electric Generator No. 2

Segment Description and Rate : Segment 3

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) :

   On-spec used oil burned in Unit No. 2 for startups, flame stabilization, and reserve capacity.

2. Source Classification Code (SCC) : 1-01-005-04

3. SCC Units : Thousand Gallons Burned (all liquid fuels)

4. Maximum Hourly Rate : 3.32	5. Maximum Annual Rate : 500.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 0.50	8. Maximum Percent Ash : 0.01
9. Million Btu per SCC Unit : 142	

10. Segment Comment :

    On-spec used oil used for startups, flame stabilization, emergency reserve capacity during statewide energy shortages, and limited supplemental load.

    SECI intends to initiate the utilization of up to 500,000 gallons per year of on-spec used oil (in lieu of No. 2 fuel oil) within the current permit cycle.

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Steam Electric Generator No. 2

Segment Description and Rate : Segment 4

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Petroleum coke burned in Unit No. 2	
2. Source Classification Code (SCC) : 1-01-002-02	
3. SCC Units : Tons Burned (all solid fuels)	
4. Maximum Hourly Rate : 93.00	5. Maximum Annual Rate : 814,680.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 7.00	8. Maximum Percent Ash : 1.00
9. Million Btu per SCC Unit : 26	
10. Segment Comment : Data provided in Fields 4 and 5 based on PSD Permit No. PSD-FL-018(A) modification Item 6. and Conditions of Certification PA 78-10F modification Section 2.f.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Steam Electric Generator No. 2

Segment Description and Rate : Segment 5

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Coal and petroleum coke burned in Unit No. 2	
2. Source Classification Code (SCC) : 1-01-002-02	
3. SCC Units : Tons Burned (all solid fuels)	
4. Maximum Hourly Rate : 319.00	5. Maximum Annual Rate : 2,792,299.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 5.10	8. Maximum Percent Ash : 9.40
9. Million Btu per SCC Unit : 23	

10. Segment Comment :

Data provided in Fields 4, 5, 7, 8, and 9 based on a 70/30 weight percent blend of coal/petroleum coke on an as-received basis. Composite sulfur content in Field 7 is based on 4.3% S for coal and 7.0% S for petroleum coke.

Data provided in Fields 4, 5, and 9 based on nominal coal and petroleum coke heating values of 10,500 and 13,000 Btu/lb, respectively, on an as-received basis.

Seminole Power Plant
No. 2 Fuel Oil Description

No. 2 fuel oil will have the following approximate composition:

Parameter	Units	Value
Carbon	Weight %	87.0
Hydrogen	Weight %	12.4
Sulfur	Weight %	0.5
Nitrogen	Weight %	0.1
Heat Content	Btu/lb	19,400

CoinSource American

#2 / Diesel

____ Rush	Job ~~FILE~~ NO: J7-04-003	LAB NO: ~~6950~~ / 1997-04-03
	Retain :	Client: AESTRA/STEUART
	Date Rcd: 4/3/97	For :
____ OT Apvd. ____ hrs.	Date Cmpltd: 4/4/97	Contact:

Product: HIGH SULFUR DIESEL FUEL Sx Desc.: 3x 1QT

Sx ID. : TANK 11 @ ST SAY, FL AFTER ANASAZI

~~SUBMITTED BY CALEB BRETT~~

Sx Comp: ____ EV ____ Vol ____ Wt ____ Avg of ____

Method	Test	Result
D1298	API Gravity	34.4
D93	Flash Point, PMCC, F	154
D4294	Total Sulfur, Wt. %	0.19
D445	Kinematic Viscosity @ 100F, cSt	2.68
D445 / D2161	Kinematic Viscosity @ 100F, SSU	34.9
D482	Ash, Wt. %	<0.002
D1500	ASTM Color	2.0
D1796	Water & Sediment, Vol. %	0
D130	Copper Corrosion, 3 hrs @ 212F	1a
D611	Aniline Point, F	
D976	Cetane Index, calculated	44.2
IP21	Diesel Index, calculated	
D97	Pour Point, F	-10
D2500	Cloud Point, F	+6
D613	Cetane No.	
D974	Neut. No., mgKOH/g	
D524	Carbon Residue, Ramsbottom, Wt. %	
D189	Carbon Residue, (10% Btms) CONRADSON Wt. %	0.02
D2274	Oxidation Stability, mg/100ml	
Dupont/~~WPL~~	Oxidation Stability Pad Rating	2
↳	ASTM Color, after 90 min.	L3.0
D3227	Mercaptan Sulfur, Wt. %	
CPL/WPL	Haze Rating	
D86	Distillation, % Recd/ , F	

IBP	363	30	448	70	547	EP	680
5	387	40	471	80	578	% Rec	99.0
10	402	50	496	90	610	% Res	1.0
20	428	60	520	95	649	% Loss	0

Method	Test	Result
D1319	OLEFINS, VOL. %	0.9
D2276	PARTICULATE CONTAMINANT - mg/L	4.4

____ :

Technician:
Approved:
Faxed/Rptd to:
Date: Time:

DYE CONTENT 4.0 LBS/1000 BBLS

SPTC - 101B 11.3 ppm

NORTH USED OIL TANK

MR. MIKE PATRICK
SEMINOLE ELECTRIC COOPERATIVE
P.O. BOX 1577
PALATKA,FL 32178

ENVIROLAB

Drinking Water
NELAP #83160
Environmental
NELAP #83079

ANALYTICAL REPORT

Submission Number: 9701000205
Date Received: 01/15/97
Date Reported: 01/31/97

Client's P.O. Number:
Project Number:
Project Name: OIL

Lab Sample Number: 9701205 1
Client Sample Number: 96-612
Sample Description: NORTH USED OIL TANK

Date Sampled: 11/12/96
Sample Matrix: OIL

Method	Analyte	Result	Q	Units	Reporting Limit	Analyst	Date Analyzed	Date Prepared
3040/7060	ARSENIC	<0.40		mg/kg	0.40	JH	01/30/97	
3040/7130	CADMIUM	<1.0		mg/kg	1.0	JH	01/29/97	
3040/7190	CHROMIUM	<5.0		mg/kg	5.0	JH	01/28/97	
3040/7420	LEAD	6.0		mg/kg	5.0	JH	01/29/97	
3040	DISSOLUTION PROCEDURE FOR METALS	0.000				JH	01/29/97	

CERTIFICATION: All analytical data reported above were obtained using the specified methods and were validated by our laboratory quality control system. This laboratory follows an approved quality assurance program.

Respectfully submitted:

Francis Y. Huang, Ph.D. / Henry M. Ashby
Lab Director / President

F.P >230°F
TOX 332

P.O. Box 468 • 8 East Tower Circle • Ormond Beach, Florida 32175-0468
(904) 672-5668 • Fax (904) 673-4001

SOUTH USED OIL TANK

ENVIROLAB
Drinking Water HRS #83160
Environmental HRS #E83079

MR. WALT EGAN
SEMINOLE ELECTRIC COOPERATIVE
P.O. BOX 1577
PALATKA, FL 32178

ANALYTICAL REPORT

Submission Number: 9702000279
Date Received: 02/14/97
Date Reported: 03/13/97

Client's P.O. Number:
Project Number:
Project Name: SOUTH USED OIL TANK

Lab Sample Number: 9702279 1
Client Sample Number: 97-101
Sample Description: SOUTH USED OIL TANK

Date Sampled: 02/14/97
Sample Matrix: OIL

Method	Analyte	Result	Q	Unit	Reporting Limit	Analyst	Date Analyzed	Date Prepared
3040/7060	ARSENIC (Total)	<0.40		mg/kg	0.40	JB	02/19/97	
3040/7130	CADMIUM (Total)	<1.0		mg/kg	1.0	AH	02/21/97	
3040/7190	CHROMIUM (Total)	<5.0		mg/kg	5.0	MR	03/12/97	
3040/7190	LEAD (Total)	<5.0		mg/kg	5.0	AH	02/21/97	
3040	DISSOLUTION PROCEDURE FOR METALS	0.000				AH	02/21/97	

CERTIFICATION: All analytical data reported above were obtained using the specified methods and were validated by our laboratory quality control system. This laboratory follows an approved quality assurance program.

Respectfully submitted:

Francis Y. Huang, Ph.D. / Henry H. Ashby
Lab Director / President

P.O. Box 468 • 8 East Tower Circle • Ormond Beach, Florida 32175-0468
(904) 672-5888 • Fax (904) 673-4001

Owner/Authorized Representative or Responsible Official

1. Name and Title of Owner/Authorized Representative or Responsible Official:
   Richard Midulla
   ~~**Senior Vice President, Technical Division**~~ Executive Vice President & Gen. Mgr.
2. Owner/Authorized Representative or Responsible Official Mailing Address:

   Organization/Firm: **Seminole Electric Cooperative, Inc.**
   Street Address: **16313 North Dale Mabry Highway**
   City: **Tampa** State: **FL** Zip Code: **33618**
3. Owner/Authorized Representative or Responsible Official Telephone Numbers:
   Telephone: **(813) 963-0994** Fax: **(813) 264-7906**
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 unit.*

   Signature _____ Date 9/17/97

* Attach letter of authorization if not currently on file.

Professional Engineer Certification

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

4. Professional Engineer Statement:

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

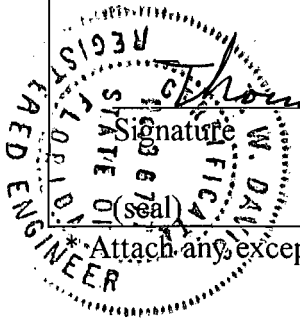
(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this Application for Air Permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions 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 emission 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 unit 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.



Signature

9/11/97
Date

(seal)

*Attach any exception to certification statement.

Application Contact

1. Name and Title of Application Contact :

Name : Mr. Mike Roddy
Title : Environmental Engineer

2. Application Contact Mailing Address :

Organization/Firm : Seminole Electric Cooperative, Inc.
Street Address : 16313 North Dale Mabry Highway
City : Tampa
State : FL Zip Code : 33618-____

3. Application Contact Telephone Numbers :

Telephone : (813)963-0994 Fax : (813)264-7906

Application Comment

Initial Title V operating permit application for the existing Seminole Electric Cooperative, Inc. Seminole Power Plant.

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Steam Electric Generator No. 1

Segment Description and Rate : Segment 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Coal burned in Unit No. 1	
2. Source Classification Code (SCC) : 1-01-002-02	
3. SCC Units : Tons Burned (all solid fuels)	
4. Maximum Hourly Rate : 342.00	5. Maximum Annual Rate : 2,991,749.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 4.30	8. Maximum Percent Ash : 13.00
9. Million Btu per SCC Unit : 21	
10. Segment Comment : Coal-fired unit. Coal sulfur content is a maximum of 4.3 weight %. Data provided in Fields 4, 5, and 9 based on a nominal coal heating value of 10,500 Btu/lb on an as-received basis and maximum heat input of 7,172 MMBtu/hr.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Steam Electric Generator No. 1

Segment Description and Rate : Segment 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : No. 2 fuel oil burned in Unit No. 1 for startups, flame stabilization, and reserve capacity.	
2. Source Classification Code (SCC) : 1-01-005-01	
3. SCC Units : Thousand Gallons Burned (all liquid fuels)	
4. Maximum Hourly Rate : 3.32	5. Maximum Annual Rate : 1,664.20
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 0.50	8. Maximum Percent Ash : 0.01
9. Million Btu per SCC Unit : 136	
10. Segment Comment : No. 2 fuel oil used for startups, flame stabilization, emergency reserve capacity during statewide energy shortages, and limited supplemental load. SECI intends to initiate the utilization of up to 500,000 gallons per year of on-spec used oil (in lieu of No. 2 fuel oil) within the current permit cycle.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Steam Electric Generator No. 1

Segment Description and Rate : Segment 3

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : On-spec used oil burned in Unit No. 1 for startups, flame stabilization, and reserve capacity.	
2. Source Classification Code (SCC) : 1-01-005-04	
3. SCC Units : Thousand Gallons Burned (all liquid fuels)	
4. Maximum Hourly Rate : 3.32	5. Maximum Annual Rate : 500.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 0.50	8. Maximum Percent Ash : 0.01
9. Million Btu per SCC Unit : 142	
10. Segment Comment : On-spec used oil used for startups, flame stabilization, emergency reserve capacity during statewide energy shortages, and limited supplemental load. SECI intends to initiate the utilization of up to 500,000 gallons per year of on-spec used oil (in lieu of No. 2 fuel oil) within the current permit cycle.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Steam Electric Generator No. 1

Segment Description and Rate : Segment 4

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Petroleum coke burned in Unit No. 1	
2. Source Classification Code (SCC) : 1-01-002-02	
3. SCC Units : Tons Burned (all solid fuels)	
4. Maximum Hourly Rate : 93.00	5. Maximum Annual Rate : 814,680.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 7.00	8. Maximum Percent Ash : 1.00
9. Million Btu per SCC Unit : 26	
10. Segment Comment : Data provided in Fields 4 and 5 based on PSD Permit No. PSD-FL-018(A) modification Item 6. and Conditions of Certification PA 78-10F modification Section 2.f.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Steam Electric Generator No. 1

Segment Description and Rate : Segment 5

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Coal and petroleum coke burned in Unit No. 1	
2. Source Classification Code (SCC) : 1-01-002-02	
3. SCC Units : Tons Burned (all solid fuels)	
4. Maximum Hourly Rate : 319.00	5. Maximum Annual Rate : 2,792,299.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 5.10	8. Maximum Percent Ash : 9.40
9. Million Btu per SCC Unit : 23	
10. Segment Comment : Data provided in Fields 4, 5, 7, 8, and 9 based on a 70/30 weight percent blend of coal/petroleum coke on an as-received basis. Composite sulfur content in Field 7 is based on 4.3% S for coal and 7.0% S for petroleum coke. Data provided in Fields 4, 5, and 9 based on nominal coal and petroleum coke heating values of 10,500 and 13,000 Btu/lb, respectively, on an as-received basis.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Steam Electric Generator No. 2

Segment Description and Rate : Segment 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Coal burned in Unit No. 2	
2. Source Classification Code (SCC) : 1-01-002-02	
3. SCC Units : Tons Burned (all solid fuels)	
4. Maximum Hourly Rate : 342.00	5. Maximum Annual Rate : 2,991,749.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 4.30	8. Maximum Percent Ash : 13.00
9. Million Btu per SCC Unit : 21	
10. Segment Comment : Coal-fired unit. Coal sulfur content is a maximum of 4.3 weight %. Data provided in Fields 4, 5, and 9 based on a nominal coal heating value of 10,500 Btu/lb on an as-received basis and maximum heat input of 7,172 MMBtu/hr.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Steam Electric Generator No. 2

Segment Description and Rate : Segment 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : No. 2 fuel oil burned in Unit No. 2 for startups, flame stabilization, and reserve capacity.	
2. Source Classification Code (SCC) : 1-01-005-01	
3. SCC Units : Thousand Gallons Burned (all liquid fuels)	
4. Maximum Hourly Rate : 3.32	5. Maximum Annual Rate : 1,664.20
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 0.50	8. Maximum Percent Ash : 0.01
9. Million Btu per SCC Unit : 136	
10. Segment Comment : No. 2 fuel oil used for startups, flame stabilization, emergency reserve capacity during statewide energy shortages, and limited supplemental load. SECI intends to initiate the utilization of up to 500,000 gallons per year of on-spec used oil (in lieu of No. 2 fuel oil) within the current permit cycle.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Steam Electric Generator No. 2

Segment Description and Rate : Segment 3

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : On-spec used oil burned in Unit No. 2 for startups, flame stabilization, and reserve capacity.	
2. Source Classification Code (SCC) : 1-01-005-04	
3. SCC Units : Thousand Gallons Burned (all liquid fuels)	
4. Maximum Hourly Rate : 3.32	5. Maximum Annual Rate : 500.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 0.50	8. Maximum Percent Ash : 0.01
9. Million Btu per SCC Unit : 142	
10. Segment Comment : On-spec used oil used for startups, flame stabilization, emergency reserve capacity during statewide energy shortages, and limited supplemental load. SECI intends to initiate the utilization of up to 500,000 gallons per year of on-spec used oil (in lieu of No. 2 fuel oil) within the current permit cycle.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Steam Electric Generator No. 2

Segment Description and Rate : Segment 4

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Petroleum coke burned in Unit No. 2	
2. Source Classification Code (SCC) : 1-01-002-02	
3. SCC Units : Tons Burned (all solid fuels)	
4. Maximum Hourly Rate : 93.00	5. Maximum Annual Rate : 814,680.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 7.00	8. Maximum Percent Ash : 1.00
9. Million Btu per SCC Unit : 26	
10. Segment Comment : Data provided in Fields 4 and 5 based on PSD Permit No. PSD-FL-018(A) modification Item 6. and Conditions of Certification PA 78-10F modification Section 2.f.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Steam Electric Generator No. 2

Segment Description and Rate : Segment 5

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Coal and petroleum coke burned in Unit No. 2	
2. Source Classification Code (SCC) : 1-01-002-02	
3. SCC Units : Tons Burned (all solid fuels)	
4. Maximum Hourly Rate : 319.00	5. Maximum Annual Rate : 2,792,299.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 5.10	8. Maximum Percent Ash : 9.40
9. Million Btu per SCC Unit : 23	

10. Segment Comment :

Data provided in Fields 4, 5, 7, 8, and 9 based on a 70/30 weight percent blend of coal/petroleum coke on an as-received basis. Composite sulfur content in Field 7 is based on 4.3% S for coal and 7.0% S for petroleum coke.

Data provided in Fields 4, 5, and 9 based on nominal coal and petroleum coke heating values of 10,500 and 13,000 Btu/lb, respectively, on an as-received basis.

Seminole Power Plant
No. 2 Fuel Oil Description

No. 2 fuel oil will have the following approximate composition:

Parameter	Units	Value
Carbon	Weight %	87.0
Hydrogen	Weight %	12.4
Sulfur	Weight %	0.5
Nitrogen	Weight %	0.1
Heat Content	Btu/lb	19,400

BEST AVAILABLE COPY

ComSource American

#2 / Diesel

Job ~~FILE~~ NO: J7-04-003
LAB NO: ~~6950~~ / J97-0403
_____ Rush
Retain :
Client: Aectra/Steuart
Date Rcd: 4/3/97
For :
_____ OT Apvd. _____ hrs.
Date Cmpltd: 4/4/97
Contact:

Product: High Sulfur Diesel Fuel Sx Desc.: 3x 1qt
Sx ID. : Tank 11 @ St Joy, FL After Anasazi
~~Submitted by Caleb Brett~~

Sx Comp: _____ EV _____ Vol _____ Wt _____ Avg of _____

D1298	API Gravity	34.4
D93	Flash Point, PMCC, F	154
D4294	Total Sulfur, Wt. %	0.19
D445	Kinematic Viscosity @ 100F, cSt	2.68
D445 /D2161	Kinematic Viscosity @ 100F, SSU	34.9
D482	Ash, Wt. %	<0.002
D1500	ASTM Color	2.0
D1796	Water & Sediment, Vol. %	0
D130	Copper Corrosion, 3 hrs @ 212F	1a
D611	Aniline Point, F	
D976	Cetane Index, calculated	44.2
IP21	Diesel Index, calculated	
D97	Pour Point, F	-10
D2500	Cloud Point, F	+6
D613	Cetane No.	
D974	Neut. No., mgKOH/g	
D524	Carbon Residue, Ramsbottom, Wt. %	
D189	Carbon Residue, (10% Btms) Conradson Wt. %	0.02
D2274	Oxidation Stability, mg/100ml	
Dupont/~~API~~	Oxidation Stability Pad Rating	2
↳	ASTM Color, after 90 min.	L3.0
D3227	Mercaptan Sulfur, Wt. %	
CPL/WPL	Haze Rating	
D86	Distillation, % Recd/ , F	

IBP	363	30	448	70	547	EP	680
5	387	40	471	80	578	% Rec	99.0
10	402	50	496	90	610	% Res	1.0
20	428	60	520	95	649	% Loss	0

D1319	Olefins, vol. %	0.9
D2276	Particulate contaminant - mg/L	4.4

Technician:
Approved:
Faxed/Rptd to:
Date: Time:

Dye content 4.0 lbs/1000 bbls
SPTL - 101B 11.3 ppm

NORTH USED OIL TANK

MR. MIKE PATRICK
SEMINOLE ELECTRIC COOPERATIVE
P.O. BOX 1577
PALATKA,FL 32178

Drinking Water
HRS #83160
Environmental
HRS #83079
ENVIROLAB

ANALYTICAL REPORT

Submission Number: 9701000205
Date Received: 01/15/97
Date Reported: 01/31/97

Client's P.O. Number:
Project Number:
Project Name: OIL

Lab Sample Number: 9701205 1
Client Sample Number: 96-612
Sample Description: NORTH USED OIL TANK

Date Sampled: 11/12/96
Sample Matrix: OIL

Method	Analyte	Result	Q	Units	Reporting Limit	Analyst	Date Analyzed	Date Prepared
3040/7060	ARSENIC	<0.40		mg/kg	0.40	JH	01/30/97	
3040/7130	CADMIUM	<1.0		mg/kg	1.0	JH	01/29/97	
3040/7190	CHROMIUM	<5.0		mg/kg	5.0	JH	01/28/97	
3040/7420	LEAD	6.0		mg/kg	5.0	JH	01/29/97	
3040	DISSOLUTION PROCEDURE FOR METALS	0.000				JH	01/29/97	

CERTIFICATION: All analytical data reported above were obtained using the specified methods and were validated by our laboratory quality control system. This laboratory follows an approved quality assurance program.

Respectfully submitted:

Francis Y. Hung, Ph.D. / Henry H. Ashby
Lab Director / President

FP >230 °F
TOX 332

P.O. Box 468 • 8 East Tower Circle • Ormond Beach, Florida 32175-0468
(904) 672-5668 • Fax (904) 673-4001

SOUTH USED OIL TANK

ENVIROLAB
Drinking Water HRS #83160
Environmental HRS #E83079

MR. WALT EGAN
SEMINOLE ELECTRIC COOPERATIVE
P.O. BOX 1577
PALATKA, FL 32178

ANALYTICAL REPORT

Submission Number: 9702000279
Date Received: 02/14/97
Date Reported: 03/13/97

Client's P.O. Number:
Project Number:
Project Name: SOUTH USED OIL TANK

Lab Sample Number: 9702279 1
Client Sample Number: 97-101
Sample Description: SOUTH USED OIL TANK

Date Sampled: 02/14/97
Sample Matrix: OIL

Method	Analyte	Result	Q	Unit	Reporting Limit	Analyst	Date Analyzed	Date Prepared
3040/7060	ARSENIC (Total)	<0.40		mg/kg	0.40	JB	02/19/97	
3040/7130	CADMIUM (Total)	<1.0		mg/kg	1.0	AH	02/21/97	
3040/7190	CHROMIUM (Total)	<5.0		mg/kg	5.0	MR	03/12/97	
3040/7190	LEAD (Total)	<5.0		mg/kg	5.0	AH	02/21/97	
3040	DISSOLUTION PROCEDURE FOR METALS	0.000				AH	02/21/97	

CERTIFICATION: All analytical data reported above were obtained using the specified methods and were validated by our laboratory quality control system. This laboratory follows an approved quality assurance program.

Respectfully submitted:

Francis T. Hwang, Ph.D. / Henry N. Ashby
Lab Director / President

P.O. Box 468 • 8 East Tower Circle • Ormond Beach, Florida 32175-0468
(904) 672-5668 • Fax (904) 673-4001

Owner/Authorized Representative or Responsible Official

1. Name and Title of Owner/Authorized Representative or Responsible Official:
   Richard Midulla
   ~~**Senior Vice President, Technical Division**~~ Executive Vice President & Gen. Mgr.

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

   Organization/Firm: **Seminole Electric Cooperative, Inc.**
   Street Address: **16313 North Dale Mabry Highway**
   City: **Tampa** State: **FL** Zip Code: **33618**

3. Owner/Authorized Representative or Responsible Official Telephone Numbers:
   Telephone: **(813) 963-0994** Fax: **(813) 264-7906**

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   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 unit.*

   Signature

   9/17/97
   Date

* Attach letter of authorization if not currently on file.

Professional Engineer Certification

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

4. Professional Engineer Statement:

I, the undersigned, hereby certify, 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 pollution 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.

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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 unit 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.

Signature

9/11/97
Date

(seal)

* Attach any exception to certification statement.

Application Contact

1. Name and Title of Application Contact :

Name : Mr. Mike Roddy
Title : Environmental Engineer

2. Application Contact Mailing Address :

Organization/Firm : Seminole Electric Cooperative, Inc.
Street Address : 16313 North Dale Mabry Highway
City : Tampa
State : FL Zip Code : 33618-____

3. Application Contact Telephone Numbers :

Telephone : (813)963-0994 Fax : (813)264-7906

Application Comment

Initial Title V operating permit application for the existing Seminole Electric Cooperative, Inc. Seminole Power Plant.

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Steam Electric Generator No. 1

Segment Description and Rate : Segment 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Coal burned in Unit No. 1	
2. Source Classification Code (SCC) : 1-01-002-02	
3. SCC Units : Tons Burned (all solid fuels)	
4. Maximum Hourly Rate : 342.00	5. Maximum Annual Rate : 2,991,749.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 4.30	8. Maximum Percent Ash : 13.00
9. Million Btu per SCC Unit : 21	
10. Segment Comment : Coal-fired unit. Coal sulfur content is a maximum of 4.3 weight %. Data provided in Fields 4, 5, and 9 based on a nominal coal heating value of 10,500 Btu/lb on an as-received basis and maximum heat input of 7,172 MMBtu/hr.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Steam Electric Generator No. 1

Segment Description and Rate : Segment 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : No. 2 fuel oil burned in Unit No. 1 for startups, flame stabilization, and reserve capacity.	
2. Source Classification Code (SCC) : 1-01-005-01	
3. SCC Units : Thousand Gallons Burned (all liquid fuels)	
4. Maximum Hourly Rate : 3.32	5. Maximum Annual Rate : 1,664.20
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 0.50	8. Maximum Percent Ash : 0.01
9. Million Btu per SCC Unit : 136	
10. Segment Comment : No. 2 fuel oil used for startups, flame stabilization, emergency reserve capacity during statewide energy shortages, and limited supplemental load. SECI intends to initiate the utilization of up to 500,000 gallons per year of on-spec used oil (in lieu of No. 2 fuel oil) within the current permit cycle.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Steam Electric Generator No. 1

Segment Description and Rate : Segment 3

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : On-spec used oil burned in Unit No. 1 for startups, flame stabilization, and reserve capacity.	
2. Source Classification Code (SCC) : 1-01-005-04	
3. SCC Units : Thousand Gallons Burned (all liquid fuels)	
4. Maximum Hourly Rate : 3.32	5. Maximum Annual Rate : 500.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 0.50	8. Maximum Percent Ash : 0.01
9. Million Btu per SCC Unit : 142	
10. Segment Comment : On-spec used oil used for startups, flame stabilization, emergency reserve capacity during statewide energy shortages, and limited supplemental load. SECI intends to initiate the utilization of up to 500,000 gallons per year of on-spec used oil (in lieu of No. 2 fuel oil) within the current permit cycle.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Steam Electric Generator No. 1

Segment Description and Rate : Segment 4

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Petroleum coke burned in Unit No. 1	
2. Source Classification Code (SCC) : 1-01-002-02	
3. SCC Units : Tons Burned (all solid fuels)	
4. Maximum Hourly Rate : 93.00	5. Maximum Annual Rate : 814,680.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 7.00	8. Maximum Percent Ash : 1.00
9. Million Btu per SCC Unit : 26	
10. Segment Comment : Data provided in Fields 4 and 5 based on PSD Permit No. PSD-FL-018(A) modification Item 6. and Conditions of Certification PA 78-10F modification Section 2.f.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Steam Electric Generator No. 1

Segment Description and Rate : Segment 5

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Coal and petroleum coke burned in Unit No. 1	
2. Source Classification Code (SCC) : 1-01-002-02	
3. SCC Units : Tons Burned (all solid fuels)	
4. Maximum Hourly Rate : 319.00	5. Maximum Annual Rate : 2,792,299.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 5.10	8. Maximum Percent Ash : 9.40
9. Million Btu per SCC Unit : 23	

10. Segment Comment :

Data provided in Fields 4, 5, 7, 8, and 9 based on a 70/30 weight percent blend of coal/petroleum coke on an as-received basis. Composite sulfur content in Field 7 is based on 4.3% S for coal and 7.0% S for petroleum coke.

Data provided in Fields 4, 5, and 9 based on nominal coal and petroleum coke heating values of 10,500 and 13,000 Btu/lb, respectively, on an as-received basis.

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Steam Electric Generator No. 2

Segment Description and Rate : Segment 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Coal burned in Unit No. 2	
2. Source Classification Code (SCC) : 1-01-002-02	
3. SCC Units : Tons Burned (all solid fuels)	
4. Maximum Hourly Rate : 342.00	5. Maximum Annual Rate : 2,991,749.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 4.30	8. Maximum Percent Ash : 13.00
9. Million Btu per SCC Unit : 21	
10. Segment Comment : Coal-fired unit. Coal sulfur content is a maximum of 4.3 weight %. Data provided in Fields 4, 5, and 9 based on a nominal coal heating value of 10,500 Btu/lb on an as-received basis and maximum heat input of 7,172 MMBtu/hr.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Steam Electric Generator No. 2

Segment Description and Rate : Segment 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : No. 2 fuel oil burned in Unit No. 2 for startups, flame stabilization, and reserve capacity.	
2. Source Classification Code (SCC) : 1-01-005-01	
3. SCC Units : Thousand Gallons Burned (all liquid fuels)	
4. Maximum Hourly Rate : 3.32	5. Maximum Annual Rate : 1,664.20
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 0.50	8. Maximum Percent Ash : 0.01
9. Million Btu per SCC Unit : 136	
10. Segment Comment : No. 2 fuel oil used for startups, flame stabilization, emergency reserve capacity during statewide energy shortages, and limited supplemental load. SECI intends to initiate the utilization of up to 500,000 gallons per year of on-spec used oil (in lieu of No. 2 fuel oil) within the current permit cycle.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Steam Electric Generator No. 2

Segment Description and Rate : Segment 3

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : On-spec used oil burned in Unit No. 2 for startups, flame stabilization, and reserve capacity.	
2. Source Classification Code (SCC) : 1-01-005-04	
3. SCC Units : Thousand Gallons Burned (all liquid fuels)	
4. Maximum Hourly Rate : 3.32	5. Maximum Annual Rate : 500.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 0.50	8. Maximum Percent Ash : 0.01
9. Million Btu per SCC Unit : 142	
10. Segment Comment : On-spec used oil used for startups, flame stabilization, emergency reserve capacity during statewide energy shortages, and limited supplemental load. SECI intends to initiate the utilization of up to 500,000 gallons per year of on-spec used oil (in lieu of No. 2 fuel oil) within the current permit cycle.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Steam Electric Generator No. 2

Segment Description and Rate : Segment 4

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Petroleum coke burned in Unit No. 2	
2. Source Classification Code (SCC) : 1-01-002-02	
3. SCC Units : Tons Burned (all solid fuels)	
4. Maximum Hourly Rate : 93.00	5. Maximum Annual Rate : 814,680.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 7.00	8. Maximum Percent Ash : 1.00
9. Million Btu per SCC Unit : 26	
10. Segment Comment : Data provided in Fields 4 and 5 based on PSD Permit No. PSD-FL-018(A) modification Item 6. and Conditions of Certification PA 78-10F modification Section 2.f.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Steam Electric Generator No. 2

Segment Description and Rate : Segment 5

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Coal and petroleum coke burned in Unit No. 2	
2. Source Classification Code (SCC) : 1-01-002-02	
3. SCC Units : Tons Burned (all solid fuels)	
4. Maximum Hourly Rate : 319.00	5. Maximum Annual Rate : 2,792,299.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 5.10	8. Maximum Percent Ash : 9.40
9. Million Btu per SCC Unit : 23	
10. Segment Comment : Data provided in Fields 4, 5, 7, 8, and 9 based on a 70/30 weight percent blend of coal/petroleum coke on an as-received basis. Composite sulfur content in Field 7 is based on 4.3% S for coal and 7.0% S for petroleum coke. Data provided in Fields 4, 5, and 9 based on nominal coal and petroleum coke heating values of 10,500 and 13,000 Btu/lb, respectively, on an as-received basis.	

Seminole Power Plant
No. 2 Fuel Oil Description

No. 2 fuel oil will have the following approximate composition:

Parameter	Units	Value
Carbon	Weight %	87.0
Hydrogen	Weight %	12.4
Sulfur	Weight %	0.5
Nitrogen	Weight %	0.1
Heat Content	Btu/lb	19,400

BEST AVAILABLE COPY

JonSource American

#2 / Diesel

Job
FILE NO: J7-04-003 LAB NO: ~~69350~~ JA97-04-03

_____ Rush Retain : _____ Client: AGCTRA/STEUART

_____ OT Apvd. ____ hrs. Date Rcd: 4/3/97 For : _____

Date Cmpltd: 4/4/97 Contact: _____

Product: HIGH SULFUR DIESEL FUEL Sx Desc.: 3x 1QT

Sx ID. : TANK 11 @ ST JAY, FL AFTER ANASAZI

~~SUBMITTED BY CALEB BRETT~~

Sx Comp: ____ EV ____ Vol ____ Wt ____ Avg of _____

D1298	API Gravity	34.4
D93	Flash Point, PMCC, F	154
D4294	Total Sulfur, Wt. %	0.19
D445	Kinematic Viscosity @ 100F, cSt	2.68
D445 /D2161	Kinematic Viscosity @ 100F, SSU	34.4
D482	Ash, Wt. %	<0.002
D1500	ASTM Color	2.0
D1796	Water & Sediment, Vol. %	0
D130	Copper Corrosion, 3 hrs @ 212F	1A
D611	Aniline Point, F	
D976	Cetane Index, calculated	44.2
IP21	Diesel Index, calculated	
D97	Pour Point, F	-10
D2500	Cloud Point, F	+6
D613	Cetane No.	
D974	Neut. No., mgKOH/g	
D524	Carbon Residue, Ramsbottom, Wt. %	
D189	Carbon Residue, (10% Btms) CONRADSON Wt. %	0.02
D2274	Oxidation Stability, mg/100ml	
Dupont/WPL	Oxidation Stability Pad Rating	2
↳	ASTM Color, after 90 min.	L3.0
D3227	Mercaptan Sulfur, Wt. %	
CPL/WPL	Haze Rating	
D86	Distillation, % Recd/ , F	

IBP	363	30	448	70	547	EP	680
5	387	40	471	80	578	% Rec	99.0
10	402	50	496	90	610	% Res	1.0
20	428	60	520	95	649	% Loss	0

D 1319	OLEFINS, VOL. %	0.9
D 2276	PARTICULATE CONTAMINANT - mg/L	4.4

DYE CONTENT ____:____ 4.0 LBS/1000 BBLS

SPTL - 1018 11.3 ppm

Technician:
Approved:
Faxed/Rptd to:
Date: Time:

NORTH USED OIL TANK

MR. MIKE PATRICK
SEMINOLE ELECTRIC COOPERATIVE
P.O. BOX 1577
PALATKA,FL 32178

Drinking Water HRS #83160
Environmental HRS #83079
ENVIROLAB

ANALYTICAL REPORT

Submission Number: 9701000203
Date Received: 01/15/97
Date Reported: 01/31/97

Client's P.O. Number:
Project Number:
Project Name: OIL

Lab Sample Number: 9701203 1
Client Sample Number: 96-612
Sample Description: NORTH USED OIL TANK

Date Sampled: 11/12/96
Sample Matrix: OIL

Method	Analyte	Result	Q	Unit	Reporting Limit	Analyst	Date Analyzed	Date Prepared
3040/7060	ARSENIC	<0.40		mg/kg	0.40	JH	01/30/97	
3040/7130	CADMIUM	<1.0		mg/kg	1.0	JH	01/29/97	
3040/7190	CHROMIUM	<5.0		mg/kg	5.0	JH	01/30/97	
3040/7420	LEAD	6.8		mg/kg	5.0	JH	01/29/97	
3040	DISSOLUTION PROCEDURE FOR METALS	0.000				JH	01/29/97	

CERTIFICATION: All analytical data reported above were obtained using the specified methods and were validated by our laboratory quality control system. This laboratory follows an approved quality assurance program.

Respectfully submitted:

Francis Y. Huang, Ph.D. / Henry N. Ashby
Lab Director / President

FP > 230 °F
TOX 332

P.O. Box 468 • 8 East Tower Circle • Ormond Beach, Florida 32175-0468
(904) 672-5668 • Fax (904) 673-4001

SOUTH USED OIL TANK

Drinking Water
NRS #83160
Environmental
NRS #E83079
ENVIROLAB

MR. WALT EGAR
SEMINOLE ELECTRIC COOPERATIVE
P.O. BOX 1577
PALATKA,FL 32178

ANALYTICAL REPORT

Submission Number: 9702000279
Date Received: 02/14/97
Date Reported: 03/13/97

Client's P.O. Number:
Project Number:
Project Name: SOUTH USED OIL TANK

Lab Sample Number: 9702279 1
Client Sample Number: 97-101
Sample Description: SOUTH USED OIL TANK

Date Sampled: 02/14/97
Sample Matrix: OIL

Method	Analyte	Result	Q	Unit	Reporting Limit	Analyst	Date Analyzed	Date Prepared
3040/7060	ARSENIC (Total)	<0.40		mg/kg	0.40	JB	02/19/97	
3040/7130	CADMIUM (Total)	<1.0		mg/kg	1.0	AH	02/21/97	
3040/7190	CHROMIUM (Total)	<5.0		mg/kg	5.0	MR	03/12/97	
3040/7190	LEAD (Total)	<5.0		mg/kg	5.0	AH	02/21/97	
3040	DISSOLUTION PROCEDURE FOR METALS	0.000				AH	02/21/97	

CERTIFICATION: All analytical data reported above were obtained using the specified methods and were validated by our laboratory quality control system. This laboratory follows an approved quality assurance program.

Respectfully submitted:

Francis T. Hwang, Ph.D. / Henry N. Ashby
Lab Director / President

P.O. Box 468 • 8 East Tower Circle • Ormond Beach, Florida 32175-0468
(904) 672-5868 • Fax (904) 673-4001

Phase I Sbs w/
Title V applications.

1 Teresa
2 Bruce
3 Ed
4 Ed
5 Joe

INTEROFFICE MEMORANDUM

Date: 10-Apr-1997 03:43pm EST
From: Tom Cascio TAL
CASCIO_T
Dept: Air Resources Management
Tel No: 904/488-1344

TO: 10 addressees

Subject: NOX EARLY ELECTION COMPLIANCE PLANS

We received in the mail today Phase I Permits from EPA with NOx Early Election Compliance Plans for:

Deerhaven Generating Station (Gainesville Regional Utilities) —— 0010006-001-AV
St. Johns River Power Park (Jacksonville Electric Authority) —— 0310001-001-AV
C.D. McIntosh Power Plant (City of Lakeland)
Seminole Power Plant (Seminole Electric Cooperative)
Crystal River Plant (Florida Power Corporation)

We will need to include these as attachments to the Draft Permits.
I'll give the originals to Barb for filing.

Tom

Will need special subsection B.
See Example from
Lakeland McIntosh 1050004-003-AV
SCH
7/21

Subsection B. This subsection addresses Acid Rain, Phase I.

{Permitting note: The U.S. EPA issues Acid Rain Phase I permit(s)}

The emissions unit listed below is regulated under Acid Rain Part, Phase I

E.U. ID No.	Brief Description
-006	Boiler - McIntosh Unit 3

The provisions of the federal Acid Rain, Phase I permit(s), including Early Election Plans for NO_X, govern(s) the above listed emissions unit(s) from the date of issuance of this Title V permit through December 31, 1999. The provisions of the Phase II permit govern(s) those emissions unit(s) from January 1, 2000 through the expiration date of this Title V permit. The Phase II permit governs all other affected units for the effective period of this permit.

B.1. The Phase I permit(s), including Early Election Plans for NO_X, issued by the U.S. EPA, is a part of this permit. The owners and operators of these Phase I acid rain unit(s) must comply with the standard requirements and special provisions set forth in the permit(s) listed below:
a. Phase I permit dated 03/27/97.
[Chapter 62-213, F.A.C.]

B.2. Comments, notes, and justifications: none

SEMINOLE ELECTRIC COOPERATIVE INCORPORATED

TELECOPIER COVER LETTER

Date: 7-16-97

Total Number of Pages including cover letter: 4

To: Ed Svec

Company: FDEP

Phone or Telecopier #: (850) 922-6979

From: Mike Roddy

If you do not receive all of the pages, please call copy room X1282.

Comments:

P.O. BOX 272000 • TAMPA, FLORIDA 33688-2000 • (813) 963-0994
• FAX (813) 264-7906 •

0698 Rev. 1/90

SEMINOLE ELECTRIC COOPERATIVE INCORPORATED

July 16, 1997

Mr. Ed Svec
Florida Department of Environmental Protection
Mail Station 5505
2600 Blairstone Rd.
Tallahassee, Fl 32399-2400

RE: Seminole Power Plant
Title V Operation Permit Application
Request for Additional Information

Dear Mr. Svec:

Based on our recent phone conversation I am faxing you D. Segment (Process/Fuel) Information forms for No.2 fuel oil usage. Please note that the calculations used for the forms were reviewed by Seminole Electric's P.E. of record (Mr. Tom Davis-ECT). A complete package will be sent to you within approximately 10 days and will include the following items:

- Application Contract Form
- Authorized Representative Form
- Professional Engineer Statement
- D. Segment (Process/Fuel) Information Forms for No.2 oil
- No. 2 Oil Analysis Sheet
- Used Oil Analysis Sheets (indicating "on-spec." compliance)

The above items will be sent in hard copy along with a disc to update the original application.

If you have any questions or require any additional information to be faxed prior to the complete package submittal, please give me a call at (813) 963-0994.

Sincerely,

Mike Roddy
Environmental Engineer

16313 NORTH DALE MABRY HIGHWAY • P.O. BOX 272000 • TAMPA, FLORIDA 33688-2000 • (813) 963-0994

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Steam Electric Generator No. 1

Segment Description and Rate : Segment 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : No. 2 fuel oil used for startups, flame stabilization, and reserve capacity.	
2. Source Classification Code (SCC) : 1-01-005-01	
3. SCC Units : Thousand Gallons Burned (all liquid fuels)	
4. Maximum Hourly Rate : 3.32	5. Maximum Annual Rate : 1,664.20
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 0.50	8. Maximum Percent Ash : 0.01
9. Million Btu per SCC Unit : 136	
10. Segment Comment :	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Steam Electric Generator No. 2

Segment Description and Rate : Segment 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : No. 2 fuel oil used for startups, flame stabilization, and reservere capacity.			
2. Source Classification Code (SCC) : 1-01-005-01			
3. SCC Units : Thousand Gallons Burned (all liquid fuels)			
4. Maximum Hourly Rate :	3.32	5. Maximum Annual Rate :	1,664.20
6. Estimated Annual Activity Factor :			
7. Maximum Percent Sulfur :	0.50	8. Maximum Percent Ash :	0.01
9. Million Btu per SCC Unit :	136		
10. Segment Comment :			

SEMINOLE ELECTRIC COOPERATIVE INCORPORATED

TELECOPIER COVER LETTER

Date: 8-4-97

Total Number of Pages including cover letter: 9

To: Ed Svec

Company: FDEP

Phone or Telecopier #: (850) 922-6979

From: Mike Reddy

If you do not receive all of the pages, please call copy room X1282.

Comments: Attached please find: Segment D. (Process/Fuel) forms:

1) Coal
2) Coal/Petcoke
3) No. 2 Fuel Oil
4) Used Oil

} for both Units 1 and 2

Complete update package including electronic version (ELSA version 1.2.1) will follow shortly. Any questions please call. (813) 963-0994

P.O. BOX 272000 • TAMPA, FLORIDA 33688-2000 • (813) 963-0994
• FAX (813) 264-7906 •

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Steam Electric Generator No. 1

Segment Description and Rate : Segment 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Coal burned in Unit No. 1			
2. Source Classification Code (SCC) : 1-01-002-02			
3. SCC Units : Tons Burned (all solid fuels)			
4. Maximum Hourly Rate :	342.00	5. Maximum Annual Rate :	2,991,749.00
6. Estimated Annual Activity Factor :			
7. Maximum Percent Sulfur :	4.30	8. Maximum Percent Ash :	13.00
9. Million Btu per SCC Unit :	21		
10. Segment Comment : Coal-fired unit. Coal sulfur content is a maximum of 4.3 weight %. Data provided in Fields 4, 5, and 9 based on a nominal coal heating value of 10,500 Btu/lb on an as-received basis and maximum heat input of 7,172 MMBtu/hr.			

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Steam Electric Generator No. 1

Segment Description and Rate : Segment 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Coal and petroleum coke burned in Unit No. 1			
2. Source Classification Code (SCC) : 1-01-002-02			
3. SCC Units : Tons Burned (all solid fuels)			
4. Maximum Hourly Rate :	319.00	5. Maximum Annual Rate :	2,792,299.00
6. Estimated Annual Activity Factor :			
7. Maximum Percent Sulfur :	5.10	8. Maximum Percent Ash :	9.40
9. Million Btu per SCC Unit :	23		
10. Segment Comment : Data provided in Fields 4, 5, 7, 8, and 9 based on a 70/30 weight percent blend of coal/petroleum coke on an as-received basis. Composite sulfur content in Field 7 is based on 4.3% S for coal and 7.0% S for petroleum coke. Data provided in Fields 4, 5, and 9 based on nominal coal and petroleum coke heating values of 10,500 and 13,000 Btu/lb, respectively, on an as-received basis.			

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Steam Electric Generator No. 1

Segment Description and Rate : Segment 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : On-spec used oil burned in Unit No. 1 for startups, flame stabilization, and reserve capacity.			
2. Source Classification Code (SCC) : 1-01-005-04			
3. SCC Units : Thousand Gallons Burned (all liquid fuels)			
4. Maximum Hourly Rate :	3.32	5. Maximum Annual Rate :	500.00
6. Estimated Annual Activity Factor :			
7. Maximum Percent Sulfur :	0.50	8. Maximum Percent Ash :	0.01
9. Million Btu per SCC Unit :	142		
10. Segment Comment : On-spec used oil used for startups, flame stabilization, emergency reserve capacity during statewide energy shortages, and limited supplemental load. SECI intends to initiate the utilization of up to 500,000 gallons per year of on-spec used oil (in lieu of No. 2 fuel oil) within the current permit cycle.			

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Steam Electric Generator No. 1

Segment Description and Rate : Segment 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : No. 2 fuel oil burned in Unit No. 1 for startups, flame stabilization, and reserve capacity.			
2. Source Classification Code (SCC) : 1-01-005-01			
3. SCC Units : Thousand Gallons Burned (all liquid fuels)			
4. Maximum Hourly Rate :	3.32	5. Maximum Annual Rate :	1,664.20
6. Estimated Annual Activity Factor :			
7. Maximum Percent Sulfur :	0.50	8. Maximum Percent Ash :	0.01
9. Million Btu per SCC Unit :	136		
10. Segment Comment : No. 2 fuel oil used for startups, flame stabilization, emergency reserve capacity during statewide energy shortages, and limited supplemental load. SECI intends to initiate the utilization of up to 500,000 gallons per year of on-spec used oil (in lieu of No. 2 fuel oil) within the current permit cycle.			

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Steam Electric Generator No. 2

Segment Description and Rate : Segment 1

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Coal burned in Unit No. 2			
2. Source Classification Code (SCC) : 1-01-002-02			
3. SCC Units : Tons Burned (all solid fuels)			
4. Maximum Hourly Rate :	342.00	5. Maximum Annual Rate :	2,991,749.00
6. Estimated Annual Activity Factor :			
7. Maximum Percent Sulfur :	4.30	8. Maximum Percent Ash :	13.00
9. Million Btu per SCC Unit :	21		
10. Segment Comment : Coal-fired unit. Coal sulfur content is a maximum of 4.3 weight %. Data provided in Fields 4, 5, and 9 based on a nominal coal heating value of 10,500 Btu/lb on an as-received basis and maximum heat input of 7,172 MMBtu/hr.			

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Steam Electric Generator No. 2

Segment Description and Rate : Segment 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Coal and petroleum coke burned in Unit No. 2			
2. Source Classification Code (SCC) : 1-01-002-02			
3. SCC Units : Tons Burned (all solid fuels)			
4. Maximum Hourly Rate :	319.00	5. Maximum Annual Rate :	2,792,299.00
6. Estimated Annual Activity Factor :			
7. Maximum Percent Sulfur :	5.10	8. Maximum Percent Ash :	9.40
9. Million Btu per SCC Unit :	23		

10. Segment Comment :

Data provided in Fields 4, 5, 7, 8, and 9 based on a 70/30 weight percent blend of coal/petroleum coke on an as-received basis. Composite sulfur content in Field 7 is based on 4.3% S for coal and 7.0% S for petroleum coke.

Data provided in Fields 4, 5, and 9 based on nominal coal and petroleum coke heating values of 10,500 and 13,000 Btu/lb, respectively, on an as-received basis.

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Steam Electric Generator No. 2

Segment Description and Rate : Segment 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : No. 2 fuel oil burned in Unit No. 2 for startups, flame stabilization, and reserve capacity.			
2. Source Classification Code (SCC) : 1-01-005-01			
3. SCC Units : Thousand Gallons Burned (all liquid fuels)			
4. Maximum Hourly Rate :	3.32	5. Maximum Annual Rate :	1,664.20
6. Estimated Annual Activity Factor :			
7. Maximum Percent Sulfur :	0.50	8. Maximum Percent Ash :	0.01
9. Million Btu per SCC Unit :	136		
10. Segment Comment : No. 2 fuel oil used for startups, flame stabilization, emergency reserve capacity during statewide energy shortages, and limited supplemental load. SECI intends to initiate the utilization of up to 500,000 gallons per year of on-spec used oil (in lieu of No. 2 fuel oil) within the current permit cycle.			

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Steam Electric Generator No. 2

Segment Description and Rate : Segment 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : On-spec used oil burned in Unit No. 2 for startups, flame stabilization, and reserve capacity.			
2. Source Classification Code (SCC) : 1-01-005-04			
3. SCC Units : Thousand Gallons Burned (all liquid fuels)			
4. Maximum Hourly Rate :	3.32	5. Maximum Annual Rate :	500.00
6. Estimated Annual Activity Factor :			
7. Maximum Percent Sulfur :	0.50	8. Maximum Percent Ash :	0.01
9. Million Btu per SCC Unit :	142		
10. Segment Comment : On-spec used oil used for startups, flame stabilization, emergency reserve capacity during statewide energy shortages, and limited supplemental load. SECI intends to initiate the utilization of up to 500,000 gallons per year of on-spec used oil (in lieu of No. 2 fuel oil) within the current permit cycle.			

SEMINOLE ELECTRIC COOPERATIVE INCORPORATED

TELECOPIER COVER LETTER

Date: 8-5-97

Total Number of Pages including cover letter: 3

To: Ed Svec

Company: FDEP

Phone or Telecopier #: (850) 922-6979

From: Mike Roddy

If you do not receive all of the pages, please call copy room X1282.

Comments:

D. Segment Info. for petcoke based on cond. of Cert. and PSD permits.

P.O. BOX 272000 • TAMPA, FLORIDA 33688-2000 • (813) 963-0994 • FAX (813) 264-7906 •

0698 *Rev. 1/90*

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 1

Steam Electric Generator No. 1

Segment Description and Rate : Segment 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Petroleum coke burned in Unit No. 1	
2. Source Classification Code (SCC) : 1-01-002-02	
3. SCC Units : Tons Burned (all solid fuels)	
4. Maximum Hourly Rate : 93.00	5. Maximum Annual Rate : 814,680.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 7.00	8. Maximum Percent Ash : 1.00
9. Million Btu per SCC Unit : 26	
10. Segment Comment : Data provided in Fields 4 and 5 based on PSD Permit No. PSD-FL-018(A) modification Item 6. and Conditions of Certification PA 78-10F modification Section 2.f.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section 2

Steam Electric Generator No. 2

Segment Description and Rate : Segment 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode) : Petroleum coke burned in Unit No. 2	
2. Source Classification Code (SCC) : 1-01-002-02	
3. SCC Units : Tons Burned (all solid fuels)	
4. Maximum Hourly Rate : 93.00	5. Maximum Annual Rate : 814,680.00
6. Estimated Annual Activity Factor :	
7. Maximum Percent Sulfur : 7.00	8. Maximum Percent Ash : 1.00
9. Million Btu per SCC Unit : 26	
10. Segment Comment : Data provided in Fields 4 and 5 based on PSD Permit No. PSD-FL-018(A) modification Item 6. and Conditions of Certification PA 78-10F modification Section 2.f.	

(FOR INTERNAL USE ONLY)

State of Florida summary checklist for initial Title V permit applications for 'existing' Title V Sources (cont'd)

II. Application logging.

ARMS Permit Number assigned 1070025-___-AV
logged into ARMS by initials _____ date ___/___/___

III. Initial distribution of application.

a. Disposition of 4 paper/electronic copies submitted:
   1- Clean originals to file? Y____ N____
   1- ____ District Y____ N____
   1- _____ County [affected local program]? Y____ N____
   1- Permit engineer(s) _____, _____

b. Disposition of electronic files submitted:
   copy placed onto PC? Y____ N____

c. Disposition of ELSA submitted:
   version used [circle]: 1.0 1.1 (1.2.1) 1.3 1.3a 1.3b
   Uploaded to EARS? Y V N____
   by E.S. date 7/12/96

d. Electronic information submitted previewed? Y____ N____ N/A____

Comment(s):_____

{this checklist was developed from Rule 62-213.420(1)(b)2., F.A.C. and DARM policy}

6/11/96
:\t5opgen\0_check\iapcheck.doc

(FOR INTERNAL USE ONLY)

State of Florida summary checklist for initial Title V permit applications for 'existing' Title V Sources

Facility Owner/Operator Name: Seminole Electric Cooperative, Inc.
Facility ID No.: 1 0 7 0 0 2 5 Site Name: Seminole Power Plant
County: Putnam
application receipt date 06/17/96

I. Preliminary scanning of application submitted.

a. Was application submitted to correct permitting authority? Y ✓ N____
b. Was an application filed? Y* ✓ N____
c. Was the application filed timely? Y* ✓ N____

d. Application format filed [check one].
Hard copy of official version of form? ____ ELSA? ✓ w/hardcopy attachments
A facsimile of official version of form? ____ Some combination? ____
version 1.2.1

e. 4 copies (paper/electronic) submitted? Y ✓ N____

f. Electronic diskettes protected/virus scanned/marked? Y ✓ N____ N/A____
by K.F. date 06/18/96

g. Entire hard copy of Section I. provided (Pages 1-8 of form)? Y ____ N ✓
Facility identified (Page 1)? [if not complete a Page 1] Y*____ [Attached____]
R.O. certification signed and dated (Page 2)? Y* ✓ N____
P.E. certification signed and dated (Page 7)? Y* ✓ N____

h. Any confidential information submitted? Y ____ N ✓
If yes, R.O. provided hard copy to us and EPA? Y*____ N____
If yes, hard copy locked up and note filed with application? Y*____ N____

i. Type of application filed.
TV application for 'existing' Title V Source only? Y ✓ N____
Any units subject to acid rain? Y ✓ N____

Note(s): [*] = mandatory.

Comment(s): 1070025 uploaded in EARS 7/12/96 P/Price

Reviewer's initials KF date 06/18/96 Concurrence initials ____ date __/__/__

Viruses Scanned
ykz
06/18/96

SEMINOLE ELECTRIC COOPERATIVE INCORPORATED

August 19, 1996

Mr. Michael Dunbar
Florida Department of Environmental Protection
7825 Baymeadows Way, Suite B200
Jacksonville, FL 32256-7590

Re: Putnam County - Stationary Air Emission Sources
Addendum to Compliance Report for May 15, 1996 Inspection

Dear Sir:

I want to thank you for your cooperation for agreeing to the wording change we requested for the above inspection. You are correct in the fact that the limestone unloading area is not mentioned in the State Site Certification. However, the limestone unloading area is permitted pursuant to the Seminole Plant Final Determination of a Proposed Air Pollution Source Pursuant to Environmental Protection Rules for the Prevention of Significant Deterioration, paragraph B., Item 2. Issued on August 13, 1979.

In addition, please find the attached list of Emissions Units from the Seminole Plant that are contained in the Title V Permit Application submitted to the FDEP on June 19, 1996. This list shows that both the limestone unloading and limestone handling and storage areas are addressed in the Title V Application.

If you have any questions on this information, please feel free to contact me.

Sincerely,

M. P. Opalinski
Director of Environmental Affairs

dc

Attachment

cc: Bruce Mitchell, FDEP
Brenda Shiver, SECI

RECEIVED
AUG 26 1996
BUREAU OF
AIR REGULATION

16313 NORTH DALE MABRY HIGHWAY • P.O. BOX 272000 • TAMPA, FLORIDA 33688-2000 • (813) 963-0994

Scope of Application

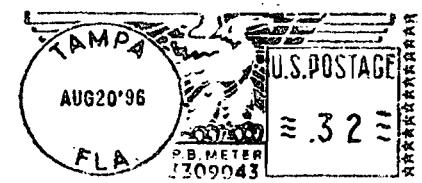
Emissions Unit ID	Description of Emissions Unit
001	Steam Electric Generator No. 1
002	Steam Electric Generator No. 2
No Id	Coal Handling and Storage
No Id	Limestone Unloading
No Id	Limestone Handling and Storage
No Id	FGD Sludge Stabilization
No Id	Railcar Maintenance

Scope of Application

Emissions Unit ID	Description of Emissions Unit
No Id	General Plant Fugitives

SEMINOLE ELECTRIC COOPERATIVE INCORPORATED

P.O. BOX 272000
TAMPA, FLORIDA 33688-2000



Mr. Bruce Mitchell
Florida Dept. of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399

FLORIDA

Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

April 25, 1997

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. M. P. Opalinski
Director of Environmental Affairs
Seminole Electric Cooperative Incorporated
16313 North Dale Mabry Highway
Tampa, Florida 33688

Re: Seminole Power Plants, Palatka, Units 1 and 2
Modification of Final Determination - PSD-FL-018(A), PA 78-10

Dear Mr. Opalinski:

The Department hereby amends the Conditions of Approval related to emissions, fuel use, recordkeeping and reporting in the subject Final Determination (dated August 13, 1979) pursuant to 40 CFR 52.21 - Prevention of Significant Deterioration (PSD Permit). The PSD permit is amended as follows:

D. FOR THE ELECTRIC UTILITY STEAM GENERATING UNITS WHEN BURNING COAL AND PETROLEUM COKE FUEL BLENDS

Stack emissions from Units 1 and 2 shall comply with the following conditions when burning blends of coal and petroleum coke:

Item 1 - Sulfur Dioxide (SO_2) Emissions

a) Unit 1:

$$E_{SO_2} = [(\%C_{HI} / 100) * (P_S) * (1 - (\%R_o / 100))] + [(1 - (\%C_{HI} / 100)) * (0.74 \text{ lb } SO_2 / \text{MMBtu})] \quad \text{(Eqn. 1)}$$

b) Unit 2:

$$E_{SO_2} = [(\%C_{HI} / 100) * (P_S) * (1 - (\%R_o / 100))] + [(1 - (\%C_{HI} / 100)) * (0.72 \text{ lb } SO_2 / \text{MMBtu})] \quad \text{(Eqn. 2)}$$

where:

E_{SO_2} = allowable SO_2 emission rate; pounds per million Btu heat input (lb SO_2/MMBtu), 30-day rolling average

$\%C_{HI}$ = percent of coal used on a heat input basis

P_S	= potential SO_2 combustion concentration (unwashed coal without emission control systems) as defined by NSPS Subpart Da; lb SO_2/MMBtu, 30-day rolling average
$\% R_o$	= overall percent SO_2 reduction from Equation 19-21 of EPA Reference Method 19. Per NSPS Subpart Da, $\% R_o$ must not be less than 90%, 30-day rolling average
0.74	= historical 2-year annual average SO_2 emission rate for Unit 1; lb/MMBtu
0.72	= historical 2-year annual average SO_2 emission rate for Unit 2; lb/MMBtu

Compliance with the lb/MMBtu heat input emission limitations and percent reduction requirement shall be determined on a 30-day rolling average basis.

Item 2 - Nitrogen Oxide Emissions

a) 0.60 lb/MMBtu heat input, and 35 percent of the potential combustion concentration (65 percent reduction). Compliance with the lb/MMBtu heat input emission limitation and percent reduction requirement shall be determined on a 30-day rolling average basis. Compliance with the 0.60 lb/MMBtu heat input emission limitation shall also constitute compliance with the 65 percent reduction requirement; and

b) 0.50 lb/MMBtu heat input determined on an annual average basis, when subject to the 40 CFR §76.8 Early Election Program for Group 1, Phase II Boilers or in any year when petcoke is burned.

Item 3 - Particulate Matter Emissions

0.03 lb/MMBtu heat input, and one percent of the potential combustion concentration (99 percent reduction). Compliance with the 0.03 lb/MMBtu heat input emission limitation shall also constitute compliance with the 99 percent reduction requirement.

Item 4 - Carbon Monoxide Emissions

The Permittee shall maintain and submit to the Department, on an annual basis for a period of five years from the date the units begin firing petroleum coke, test results demonstrating that the operational changes did not result in a significant emissions increase of the pollutant when compared to past emissions while firing coal. The carbon monoxide emissions shall be based on test results using EPA Method 10.

Item 5 - Sulfuric Acid Mist Emissions

The Permittee shall maintain and submit to the Department on an annual basis for a period of five years from the date the units begin firing petroleum coke, test results demonstrating that the operational changes did not result in a significant emissions increase of the pollutant when compared to past emissions while firing coal. The sulfuric acid mist emissions shall be based on test results using EPA Method 8.

Item 6 - Fuel Specifications

Fuels fired shall consist of coal and petroleum coke blends containing a maximum of 30 percent petroleum coke by weight. The maximum weight of the petroleum coke burned shall not exceed 186,000 pounds per hour (averaged over 24 hours). The petroleum coke sulfur content shall not exceed 7.0 percent by weight, dry basis.

Item 7 - Reporting and Recordkeeping

a) Documentation verifying that the coal and petroleum coke fuel blends combusted in Units 1 and 2 have not exceeded the 30 percent maximum petroleum coke by weight limit specified by Condition of Approval, Section D, Item 6 shall be maintained and submitted to the Department's Northeast District office with each annual report; and

b) The Permittee shall maintain and submit to the Department, on an annual basis for a period of five years from the date the units begin firing petroleum coke, data demonstrating that the operational change associated with the use of petroleum coke did not result in a significant emission increase pursuant to Rule 62-210.200(12)(d), F.A.C.

Item 8 - Handling of Petroleum Coke

All prior conditions of approval that address coal handling shall also apply to the handling of petroleum coke.

E. FOR THE ELECTRIC UTILITY STEAM GENERATING UNITS WHEN BURNING NO 2 FUEL OIL

Use of No. 2 fuel oil is authorized for startups, flame stabilization and required emergency electric reserve capacity. It is also authorized for normal continuous operation when coal quality, process conditions, and/or burner equipment prevent meeting demand with solid fuels only.

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

Sincerely,

Howard L. Rhodes, Director
Division of Air Resources
Management

HLR/sa/hh

Memorandum

Florida Department of
Environmental Protection

KLM

TO: Howard L. Rhodes

THRU: Clair Fancy
Al Linero 4/23

FROM: Syed Arif SA

DATE: April 23, 1997

SUBJECT: Seminole Electric Cooperative, Palatka Power Plant. PSD-FL-018(A)

Attached for your approval and signature is a letter that will amend permit number PSD-FL-018(A). The letter will allow co-firing of petroleum coke with coal and increased use of No. 2 fuel oil at its Palatka Power Plant Units No. 1 and 2 in Putnam County.

Seminole Electric will not experience any increases in sulfur dioxide emissions as a result of firing petcoke. The increases are avoided through increased scrubbing. No increases in nitrogen oxides will occur. Additional assurance is provided by Seminole's early opt-in commitment to meet a 0.50 pound per million NOx emission rate. Particulate emissions should be no higher, partly based on the lower ash levels in petcoke. Carbon Monoxide is not expected to increase. For reference, JEA demonstrated that good combustion practices can be adopted to minimize carbon monoxide formation. We believe Seminole will be able to accomplish the same level of control. Finally, we put in provisions which require Seminole to demonstrate for the next five years that firing petcoke does not in fact causes significant increases in any of the mentioned pollutant.

The public notice was published in the Palatka Daily News. No comments were submitted by the EPA, NPS or the public. The applicant submitted a comment concerning the petcoke usage rate with the coal. The applicant's comment was incorporated in the final permit.

I recommend your approval and signature.

List of Proposed Exempt Activities (Page 1 of 2)

Activity	Basis*
Brazing, soldering and welding	Rule 62-210.300(3)(a)16., F.A.C.
Parts cleaning and degreasing sta-tions	All cleaning conduct-ed at work stations with lids closed when not in use. Rule 62-213.430(6)(b)., F.A.C.
One or more emergency generators which are not subject to the Acid Rain Program and have total fuel consumption, in the aggregate, of 32,000 gallons per year or less of diesel fuel, 4,000 gallons per year or less of gasoline, and 4.4 million cubic feet per year or less of natural gas or propane, or an equivalent prorated amount if multiple fuels are used.	Rule 62-210.300(3)(a)20., F.A.C.
One or more heating units and general purpose internal combustion engines which are not subject to the Acid Rain Program and have total fuel consumption, in the aggregate, of 32,000 gallons per year or less of diesel fuel, 4,000 gallons per year or less of gasoline, and 4.4 million cubic feet per year or less of natural gas or propane, or an equivalent prorated amount if multiple fuels are used.	Rule 62-210.300(3)(a)21., F.A.C.
Storage tanks <550 gallons	Prior consensus with FDEP: Item 40, Title V Insignifi-cant Source Summary for Electric Power Plants. Rule 62-213.430(6)(b)., F.A.C.
Inorganic substance storage tanks >550 gallons	Prior consensus with FDEP: Item 41, Title V Insignifi-cant Source Summary for Sugar Cane Growers Rule 62-213.430(6)(b)., F.A.C.
No. 2 fuel oil storage tanks >550 gallons	Low volatility materials. Rule 62-213.430(6)(b)., F.A.C.
Laboratory equipment used exclusively for chemical or physical analyses	Rule 62-210.300(3)(a)15.,F.A.C.
Fire and safety equipment	Rule 62-210.300(3)(a)22.,F.A.C.
Turbine vapor extractor	Prior consensus with FDEP: Item 31, Title V Insignifi-cant Source Summary for Electric Power Plants Rule 62-213.430(6)(b)., F.A.C.
Sand blasting and abrasive grit blasting where temporary total enclosures are used to contain particulates	Prior consensus with FDEP: Item 39, Title V Insignifi-cant Source Summary for Electric Power Plants Rule 62-213.430(6)(b)., F.A.C.
Equipment used for steam cleaning	Rule 62-210.300(3)(a)10.,F.A.C.
Belt conveyors	Professional judgement (covered conveyors, wet material). Rule 62-213.430(6)(b)., F.A.C.
Vehicle refueling operations	Low refueling volumes Rule 62-213.430(6)(b)., F.A.C.
Vacuum pumps in laboratory operations	Rule 62-210.300(3)(a)9.,F.A.C.
Equipment used exclusively for space heating, other than boilers	Rule 62-210.300(3)(a)12.,F.A.C.
Surface coating operations utilizing 6.0 gallons per day or less, averaged monthly, of coatings	Rule 62-210.300(3)(a)23.,F.A.C.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF FINAL PERMIT MODIFICATION

In the Matter of an
Application for Permit Modification

Mr. M.P. Opalinski
Seminole Electric Cooperative Incorporated (SECI)
16313 North Dale Mabry Highway
Tampa, Florida 33688

DEP File No. PSD-FL-018(A)

Enclosed is a letter that modifies Permit Number PSD-FL-018(A). This letter allows co-firing of petroleum coke with coal and increased use of No. 2 fuel oil pursuant to 40 CFR 52.21-Prevention of Significant Deterioration (PSD permit). This permit modification is issued pursuant to Section 403, Florida Statutes.

Any party to this order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Legal Office; 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 (thirty) days from the date this Notice is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

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

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF FINAL PERMIT MODIFICATION (including the FINAL permit Modification) was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 4-30-97 to the person(s) listed:

Mr. M.P. Opalinski, SECI *
Mr. T.W. Davis, P.E., ECT
Mr. Brian Beals, EPA
Mr. John Bunyak, NPS
Mr. Hamilton Oven, DEP
Mr. Chris Kirts, NED

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52(7), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Kuri Fisher 4-30-97
(Clerk) (Date)

FINAL DETERMINATION

Seminole Electric Cooperative Incorporated

Modification of Permit No. PSD-FL-018(A)
Seminole Palatka Power Plant Units 1 and 2

An Intent to Issue an air construction permit modification for Seminole Electric Cooperative, Inc., Palatka Power Plant Units No. 1 & 2 located in Palatka, Putnam County, Florida was distributed on February 10, 1997. The Notice of Intent was published in the Palatka Daily News on February 18, 1997. Copies of the modification were available for public inspection at the Department offices in Jacksonville and Tallahassee.

No comments were submitted by the National Park Service or the U.S. Environmental Protection Agency. A comment was submitted by the applicant concerning the maximum weight of the petroleum coke that shall be burned. The Department concurs with the applicant's comment.

The final action of the Department will be to issue the permit modification as noted above.