Florida Department of

## **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



# Department of Environmental Protection

Ed Svec

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

Virginia B. Wetherell Secretary

FAX TRANSMITTAL SHEET
TO: Deletie Stamp - Legal ad Section
DATE: 9/18/97 PHONE: (904) 359-46
TOTAL NUMBER OF PAGES, INCLUDING COVER PAGE:
FROM: Darliala Douliell
DIVISION OF AIR RESOURCES MANAGEMENT
COMMENTS: Please call me to confirm
that you received this you -

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.



September 12, 1997

# RECEIVED

SEP 17 1997

BUREAU OF AIR REGULATION

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 following 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

Ed; 9/18/9)

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#### 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. Mg
_	

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.

Date

<sup>\*</sup> 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

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.

Emissions Unit Information Section1_		
Steam Electric Generator No. 1		
Segment Description and Rate: Segment	1	
Segment Description (Process/Fuel Type an Coal burned in Unit No. 1	d Associated Operating Method/M	lode) :
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.		

Emissions Unit Information Section 1			
Steam Electric Generator No. 1			
Segment Description and Rate : Segment	2		
1. Segment Description (Process/Fuel Type an	d Associated Operating Method/Mode):		
No. 2 fuel oil burned in Unit No. 1 for startups, fl	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 liq	uid 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.			

Emissions Unit Information Section 1		
Steam Electric Generator No. 1		
Segment Description and Rate : Segment	3	
1. Segment Description (Process/Fuel Type ar	nd Associated Operating Method/Mode):	
On-spec used oil burned in Unit No. 1 for startup	s, flame stabilization, and reserve capacity.	
2. Source Classification Code (SCC): 1-01-	-005-04	
3. SCC Units: Thousand Gallons Burned (all lice	quid fuels)	
4. Maximum Hourly Rate: 3.32	5. Maximum Annual Rate : 500.00	
4. Maximum Hourly Nate . 3.32	5. Maximum Annual Nate . 500.00	
6. Estimated Annual Activity Factor:		
7. Maximum Percent Sulfur: 0,50	8. Maximum Percent Ash: 0.01	
7. Maximum Percent Sullur . 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.		

Emissions Unit Information Section1		
Steam Electric Generator No. 1		
Segment Description and Rate: Segment	4	
Segment Description (Process/Fuel Type ar	nd 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 P Conditions of Certification PA 78-10F modifica	· · · · · · · · · · · · · · · · · · ·	ion Item 6. and

Emissions Unit Information Section 1		
Steam Electric Generator No. 1		
Segment Description and Rate: Segment5_		
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.		

Emissions Unit Information Section 2	-		
Steam Electric Generator No. 2			
Segment Description and Rate: Segment	Segment Description and Rate: Segmentl_		
1. Segment Description (Process/Fuel Type and	Associated Operating Method/Mode):		
Coal burned in Unit No. 2			
2. Source Classification Code (SCC): 1-01-0	02-02		
1			
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.			

3. SCC Units: Thousand Gallons Burned (all liquid fuels)		
6. Estimated Annual Activity Factor :		
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.		

Emissions Unit Information Section 2		
Steam Electric Generator No. 2		
Segment Description and Rate: Segment	3	
1. Segment Description (Process/Fuel Type an	d 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.		

Emissions Unit Information Section 2	<u>.</u>	
Steam Electric Generator No. 2		
Segment Description and Rate: Segment	4	
1. Segment Description (Process/Fuel Type and	d Associated Operating Method/Mode):	
Petroleum coke burned in Unit No. 2		
2. Source Classification Code (SCC): 1-01-0	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.		

Emissions Unit Information Section 2		
Steam Electric Generator No. 2		
Segment Description and Rate: Segment	5	
1. Segment Description (Process/Fuel Type and	d 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



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Product: Sx 10. :	HIGH SULFUR DIESEL TAJK 11 0 ST SDY, FL.	FUEL SX Desc.: AFTER ANASAZI CALLE CIEFF	3× 19T		
Sx Comp:	EV VoT	Wt Avg of			· · · · · · · · · · · · · · · · · · ·
01298	API Gravity				34.4
D93	Flash Point, PMCC.	F	_		154
D4294	Total Sulfur, Wt. %				
0445	Kinematic Viscosity	9 100F_ cSt	~		0.19 2.68
D445 /DZ	161 Kinematic Viscosity	@ 100F. SSU			34.4
0482	Ash, Wt. %	·			€0.002
D1500	ASTM Color				2,0
D1796	Water & Sediment, Vo	ol. %			0
0130	Copper Corrosion, 3	hrs @ 212F			IA
D611	Aniline Point, F				
D976	Cetane Index, calcu	lated	·············		44.2
IP21	Diesel Index, calcu				
D97	Pour Point, F	7.8090			-10
D2500	Cloud Point, F				+6
D613	Cetane No.				1,0
0974	Neut. No., mgKOH/g		·····	1	
0524	Carbon Residue, Ram	shottom. Wt. %			
D189	Carbon Residue, (10	* Reme \ Compage	Vt %	· · · · · · · · · · · · · · · · · · ·	0.02
D2274	Oxidation Stability		HU. 70		<u> </u>
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D3227	Mercaptan Sulfur. W			<u> </u>	
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D 1319	DEEFINS VOL. %				0.9
D 2276		SANT - MO/L			4.4
DYE CO		as for BBLS	<u>Technicia</u> Approved: Faxed/Rpi Date:		
SPTL - 10	18		ET.I.		
·	11.3	ppen			

# NORTH USED OIL TANK

HR. HIME PATRICK SEMINOLE ELECTRIC COOPERATIVE P.O. BOX 1577 PALATKA, FL 32178



ANALYTICAL REPORT

Page 1

U ...

Submission Number: 9701000205

Date Received: 01/15/97 Date Reported: 01/31/97 G(fent's P.O. Number:

Project Humber: Project Hamma Dil

Lab Sample Number: 9701203 1 Client Sample Number: 96-612 Date Sampled: 11/12/96 Sample Matrix: Off

Sample Description: NORTH USED OIL TANK

		Reporting			Date	Date	
Mathod	Analyte	Rodult G	Unit 4	Limit	Analyat	Analysesi	Properti
3040/7060	ARSENIC	<0.40	mg/kg	0.40	.394	01/30/97	
3040/7130	CARNIUM	<1.0	<b>ez/kg</b>	1.9		01/ <del>29/9</del> 7	
<b>፯/ፌሲ/ፖ</b> ነዋበ	C-HINE SHEET SHEET	·5.8	wg/kg	5.0	4	61,738,187	:
3040/7420	LEAG	<b>4-</b> 0	eg/kg	5.8		Q1 <i>/29/9</i> 7	
3040	DISSOLUTION PROCEDURE FOR METALS	0.000			Jis	01/29/97	

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

Respectfully submitted:

Founcis Y. House, Ph.D. Henry N. Ashby

Lab Director / President

FP 7230°F TOX 332

P.O. Box 468 • 8 East Tower Circle • Ormand Beach, Florida 32175-0488 (904) 672-5668 • Fax (904) 673-4001

JAN 31 '97 12:14

904 673 4001 PAGE.002

# SOUTH USED OIL TANK

MR. WALT BEAR SEMIMOLE ELECTRIC COOPERATIVE P.O. BOX 1577 PALATKA, FL 32178



ANALYTICAL REPORT

Page 1

Subsission Number: 9702000279

Client's P.O. Humber:

Date Received: 02/14/97 Date Reported: 03/13/97 Project Meber:

Project Wame: SQUTH USED OIL TANK

Lab Sample Munber: 9702279 1 Ctient Sample Munber: 97-101 Date Sampled: 02/14/97 Sample Matrix: 01L

Sample Bescription: SOUTH USED OIL TANK

				Reporti	A.	Dute	Date
Xethod	Analyte	Result Q	<b>Unit</b>	Limit	Analyst	Analyzed	Propered
3040/7060	ARSENIC (Total)	<0,45	mg/kg	9.40	18	02/19/97	:
3040/7130	CADMIUM (Total)	<b>≺1</b> _0	eg/kg	1.0	· AH	92/21/97	
3040/7190	CHROMIUM (Total)	⋖.0	mg/ke	5.0	166	03/12/97	
3040/7190	LEAD (Total)	<5.0	≈g/kg	5.0.	KA	QZ/21 <b>/97</b>	
3040	DISSOLUTION PROCEDURE FOR METALS	0_000			AM	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:

Erangia Y. Huma, Ph.D. / Benry N. Ashby

Lab Director / President

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

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## Owner/Authorized Representative or Responsible Official

1	37 1004 00 44 1 1 10 2 11 000 11
	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

<sup>\*</sup> 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 Signature

Attach an 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

C'type T

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.

Emissions Unit Information SectionI			
Steam Electric Generator No. 1			
Segment Description and Rate : Segment I			
Segment Description (Process/Fuel Type and Associated Operating Method/Mode):      Coal burned in Unit No. 1			
Coar burned in Olif 140. 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.			

Emissions Unit Information Section1_	
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 eshortages, and limited supplemental load.	energy
SECI intends to initiate the utilization of up to 500,000 gallons per year of on-spec used oil (in lie No. 2 fuel oil) within the current permit cycle.	u of

Emissions Unit Information Section1_				
Steam Electric Generator No. 1				
Segment Description and Rate: Segment 3				
1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode	<del>)</del> :			
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	0.00			
6. Estimated Annual Activity Factor :				
7. Maximum Percent Sulfur: 0.50 8. Maximum Percent Ash: 0.0	)1			
9. Million Btu per SCC Unit: 142				
10. Segment Comment :				
On-spec used oil used for startups, flame stabilization, emergency reserve capacity during stenergy shortages, and limited supplemental load.	tatewide			
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.				

Emissions Unit Information Section	1	
Steam Electric Generator No. 1		
Segment Description and Rate: Segr	ment <u>4</u>	
1. Segment Description (Process/Fuel Ty	ype 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 fuel	els)	
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 F Conditions of Certification PA 78-10F mo	PSD Permit No. PSD-FL-018(A) modificate odification Section 2.f.	tion Item 6. and

Emissions Unit Information Section 1				
Steam Electric Generator No. 1				
Segment Description and Rate : Segment	5			
1. Segment Description (Process/Fuel Type and A	Associated Operating Method/Mode):			
Coal and petroleum coke burned in Unit No. 1				
2. Source Classification Code (SCC): 1-01-002	2-02			
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	3. 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 on an as-received basis. Composite sulfur content in petroleum coke.	70/30 weight percent blend of coal/petroleum coken Field 7 is based on 4.3% S for coal and 7.0% S for			
Data provided in Fields 4, 5, and 9 based on nomina and 13,000 Btu/lb, respectively, on an as-received by				

Emissi	ions Unit Information Section 2	<u> </u>	
Steam 1	Electric Generator No. 2		
<u>Segme</u>	ent Description and Rate: Segment	1	
1. Se	gment Description (Process/Fuel Type ar	nd Associated Operating Method/l	Mode) :
Со	al burned in Unit No. 2		
2. So	urce Classification Code (SCC): 1-01-	002-02	
3. SC	C Units: Tons Burned (all solid fuels)		
4. Ma	ximum Hourly Rate : 342.00	5. Maximum Annual Rate :	2,991,749.00
6. Est	timated Annual Activity Factor :		
7. Ma	ximum Percent Sulfur : 4.30	8. Maximum Percent Ash :	13.00
9. Mill	lion Btu per SCC Unit : 21		
10. S	egment Comment :		
Co	pal-fired unit. Coal sulfur content is a maximu	m 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.			
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2
d Associated Operating Method/Mode):
ame stabilization, and reserve capacity.
005-01
uid fuels)
5. Maximum Annual Rate : 1,664.20
8. Maximum Percent Ash: 0.01
on, emergency reserve capacity during statewide energy
00,000 gallons per year of on-spec used oil (in lieu of

	lissions Unit information Section 2	_			
Ste	Steam Electric Generator No. 2				
<u>Se</u>	gment Description and Rate: Segment	3			
1.	Segment Description (Process/Fuel Type and	d 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): 1-01-0	005-04			
3.	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.				

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): 1-01-0	02-02
	·
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 Per Conditions of Certification PA 78-10F modification	rmit No. PSD-FL-018(A) modification Item 6. and on Section 2.f.

Emission	s Unit Information Sec	tion2_	_		
Steam Elec	etric Generator No. 2				
<u>Segment</u>	Description and Rate	: Segment	5		
1. Segm	ent Description (Proces	ss/Fuel Type and	d Associated Operating Method/N	Mode) :	
Coal a	nd petroleum coke burned	in Unit No. 2		•	
2. Source	e Classification Code (	SCC): 1-01-0	002-02		
3. SCC	Jnits: Tons Burned (a	ll solid fuels)			
4. Maxin	num Hourly Rate :	319.00	5. Maximum Annual Rate :	2,792,299.00	
6. Estim	ated Annual Activity Fa	ctor:			
7. Maxin	num Percent Sulfur :	5.10	8. Maximum Percent Ash:	9.40	
9. Millior	Btu per SCC Unit :	23			
10. Segi	nent Comment :				
on an	-		a 70/30 weight percent blend of coal t in Field 7 is based on 4.3% S for co	=	
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

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Product:	HIGH SULFUR DIESEL FUEL	_ \$x besc.:		× 19T		··
Sx ID.:	TAUK II O ST SAY, FL AFTER	ANASAZI				
	MEMOTED EX CALES	e person				
				·		
Sx Comp:	EV Vol Wt _	Avg of				
						201
01298	API Gravity					34.4
D93	Flash Point, PMCC, F					154
D4294	Total Sulfur, Wt. %					0.19
D445	Kinematic Viscosity 9 100	F, cSt				2.68
D445 /D3	LIF Kinematic Viscosity @ 100	F. SSU				34.4
0482	Ash, Wt. %				<del></del>	€0.002
D1500	ASTM Color					2,0
D1796	Water & Sediment, Vol. %					0
0130	Copper Corrosion, 3 hrs @	212 €				IA.
D611	Aniline Point, F	p. 0.				
	Cetane Index, calculated					44.2
0976	Discal Index, calculated	****				17.5
IP21	Diesel Index, calculated					
D97	Pour Point, F					-10
D2500	Cloud Point, F	<del></del>				+6
D613	Cetane No.			·		
0974	Neut. No., mgKOH/g					
D524	Carbon Residue, Ramsbotton	n, Wt. %				
D139	Carbon Residue, (10% 8tms)	[COMPASSON	<u> </u>	<u>,                                     </u>		0.02
D2274	Oxidation Stability, mg/10	)Om1				
Dupont/#		Pad Rat	ting		2	
	ASTM Color, after 90 min.					L3-6
D3227	Mercaptan Sulfur, Wt. %					
CPL/WPL	Haze Rating			*		
086	Distillation, % Recd/	F				
000	Ofstillation, a neco,					
	IBP 363 30	448	70	A-11-A	<b>50</b>	IDA ·
	IBP 363 30 _		70	547	_ <u>EP</u> _	680
	<u>5</u> <u>387</u> <u>40</u>	471	<u>80</u>	578	% Rec	99.0
	10 402 50	496	<u>90</u>	610	% Res	1.0
_	5 387 40 10 401 50 20 418 60	520	70 80 90 95	610	% Loss	<b>D</b>
D 1319	DLEFINS VOL. 1/0					
D 2276	PARTICULATE CONTANINANT -	4011				9.4
X 25 10	Live Her Pile Contractions					
	<b>-:</b>		Ţ	echnician:		
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SPTE - 17	DIB .		2		7.410	<del></del>
·	11.3 ppm					
	, ,					

### U . . .

## NORTH USED OIL TANK

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



AMALYTICAL REPORT

Page 1

Substanton Number: 9701000203 Date Recuived: 01/15/97 Date Reported: 01/31/97

Elfant's P.O. Number: Project Number: Project Haust GIL

Lab Sample Mumber: 9701203 1 Client Sample Humber: 96-612

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

Sample Description: NORTH USED OIL TANK

Method	Analyte	Recutt 0	Unf 1	Reportis Limit	Analyan Tanalyan	Date Analysed	Date Prepared
3040/7060	ARSENTC	¢0.40	#q/kg	0.40	.34	01/30/97	
3040/7130	CADMIUM	<1.0	<b>€</b> /kg	1.0	J¢	01/29/97	
<u> የሥህ/7198</u>	CHARTETTING	15.8	mg/kg	5.0	<b>32</b>	01/38/07	:
3040/7420	LEAG	۵.۵	ng/kg	5.8	.#	Q1/29/97	
3040	DIRECLUTION PROCEDURE FOR METALE	0.000			地	01/29/97	

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

Respectfully substitted:

ab Director / President

FP 7230°F TOX 332

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

JAN 31 '97 12:14

PHGE: 008

904 673 4001 PAGE.002

**EKOW SEWINOLE-HQ-2** 

## SOUTH USED OIL TANK

HR. WALT EGAR SENINGLE ELECTRIC COOPERATIVE P.O. BOX 1577 PALATKA, FL 32178



AMALYTICAL REPORT

Substission Number: 9702000279

Date Received: 02/14/97

Date Reported: 03/13/97

Client's P.O. Humber:

Project Number:

Project Wame: SOUTH USED OIL TANK

Lab Sample Number: 9702279 1 Client Sample Mumber: 97-101

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

Sample Beacription: STUTH USED OIL TANK

				Reportin	S.	Duta	Date
Xethod	Analyte	Result G	Unit	Limit	Analyst	Analyzed	Properad
3040/7060	ARSENIC (Total)	<0.45	mg/kg	9.40	18	02/19/97	:
3040/7130	CADMIUM (Fotal)	<1.Q	eg/kg	1.0	· AH	92/21/97	
3040/7190	CHROMIUM (Total)	⋖.0	ma/ke	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			AM	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:

Lab Director / President

P.O. Box 488 • 8 East Tower Circle • Ormand Beach, Florida 32175-0468 (904) 572-5668 • Fax (904) 573-4001

MAR 13 '97 17:42

PAGE . 887 904 573 4001

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#### 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.

Date

<sup>\*</sup> 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 E Date

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.

Emissions Unit Information Section1_					
Steam Electric Generator No. 1					
Segment Description and Rate : Segment	1				
1. Segment Description (Process/Fuel Type and	d Associated Operating Method/N	lode) :			
Coal burned in Unit No. 1					
2. Source Classification Code (SCC): 1-01-0	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.					

Emissions Unit Information Section1					
Steam Electric Generator No. 1					
Segment Description and Rate : Segment2_					
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.					

Emissions Unit Information SectionI				
Steam Electric Generator No. 1				
Segment Description and Rate: Segment 3				
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.				

missions Unit Information Section 1				
team Electric Generator No. 1				
egment Description and Rate : Segment 4				
. 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)				
Maximum Hourly Rate: 93.00 5. Maximum Annual Rate: 814,680.00				
5. Estimated Annual Activity Factor :				
7. Maximum Percent Sulfur: 7.00 8. Maximum Percent Ash: 1.00				
). Million Btu per SCC Unit: 26				
0. 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.				

Emissions Unit Information Section 1					
Steam Electric Generator No. 1					
Segment Description and Rate: Segment					
1. Segment Description (Process/Fuel Type ar	nd 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.					

Emissions Unit Information Section 2	_
Steam Electric Generator No. 2	
Segment Description and Rate: Segment	1
1. Segment Description (Process/Fuel Type and	d Associated Operating Method/Mode) :
Coal burned in Unit No. 2	
2. Source Classification Code (SCC): 1-01-0	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 maximur	n of 4.3 weight %.
Data provided in Fields 4, 5, and 9 based on a nor as-received basis and maximum heat input of 7,17	· · · · · · · · · · · · · · · · · · ·

Emissions Unit Information Section 2	_
Steam Electric Generator No. 2	
Segment Description and Rate : Segment	2
1. Segment Description (Process/Fuel Type and	d Associated Operating Method/Mode):
No. 2 fuel oil burned in Unit No. 2 for startups, fla	ume stabilization, and reserve capacity.
2. Source Classification Code (SCC): 1-01-0	
3. SCC Units: Thousand Gallons Burned (all liqu	uid 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 shortages, and limited supplemental load.	n, emergency reserve capacity during statewide energy
SECI intends to initiate the utilization of up to 50 No. 2 fuel oil) within the current permit cycle.	0,000 gallons per year of on-spec used oil (in lieu of
<u> </u>	

Emissions Unit Information Section 2	-
Steam Electric Generator No. 2	
Segment Description and Rate : Segment	3
1. Segment Description (Process/Fuel Type and	d 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): 1-01-0	005-04
3. SCC Units: Thousand Gallons Burned (all liqu	uid 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 energy shortages, and limited supplemental load.	tion, emergency reserve capacity during statewide
SECI intends to initiate the utilization of up to 50 No. 2 fuel oil) within the current permit cycle.	0,000 gallons per year of on-spec used oil (in lieu of

Emissions Unit Information Section 2	_	
Steam Electric Generator No. 2		
Segment Description and Rate: Segment	4	
1. Segment Description (Process/Fuel Type and	d Associated Operating Method/Mode) :	
Petroleum coke burned in Unit No. 2		
2. Source Classification Code (SCC): 1-01-0	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 Pe Conditions of Certification PA 78-10F modificati		and

_
5
d Associated Operating Method/Mode):
002-02
5. Maximum Annual Rate: 2,792,299.00
8. Maximum Percent Ash: 9.40
a 70/30 weight percent blend of coal/petroleum coke at in Field 7 is based on 4.3% S for coal and 7.0% S for
inal coal and petroleum coke heating values of 10,500 d 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**

AMIST	
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шш	n juuri				#2 / Diesel
		206 .	T7-04-007		m loan w
•		FILE NO: >	1704-000	LAB NO: 69	איניין דאנן פבבי
_	Rush	Retain :		Client: Agura	STEMBET
		Date Rcd:	413197	For :	<u> </u>
-	OT Apvd hrs.	Date Cmpito	1: 14 4 97	_ Contact:	
	11 . C . D	( - 0 · 0 · 0 · 0	2 1		
Product:	HIGH SULFUR DIESEL I TAUK II O ST JOY, FL AU	SX Desc.:	3x 19T		······
Sx ID. :	TANK 11 0 ST SAY, FL A	TER ANASAZI			<del></del>
	plented by	ALEB SPETT			
		Uh Aug af			
Sx Comp:	EV Vol	Wt Avg of			
	ADI Curuitu				34.4
01298	API Gravity		_		154
D93	Flash Point, PMCC, F	····	_		
D4294	Total Sulfur, Wt. 3	1005 -04	<u> </u>		0.19
D445	Kinematic Viscosity	100F, CST	-		2.68
D445 /02	F. Kinematic Viscosity	1001, 220			34.4
D482	Ash, Wt. %				40.002
D1500	ASTM Color		<u> </u>		2,0
D1796 D130	Water & Sediment, Vol	<u>. % </u>			
D130	Copper Corrosion, 3 h	rs 8 212 F			14
0611	Aniline Point, F				
D976	Cetane Index, calcula				44.2
IP21	Diesel Index, calcula	<u>ted                                    </u>			
D97	Pour Point, F				- 10
D2500	Cloud Point, F				+6
D613	Cetane No.				
0974	Neut. No., mgKOH/g				
0524	Carbon Residue, Ramst	ottom. Wt. %			
0189	Carbon Residue, (10%	BERGS) COMPADSON	Vt. %		0.02
D2274	Oxidation Stability,	ma/100m1			
Dupont/HE	. Oxidation Stability	Pad Rat	ina	2	
Dabailary	ASTN Color, after 90	min			3.6
D3227	Mercaptan Sulfur, Wt.				,
	Haze Rating	**		<del></del>	
CPL/WPL		, F			<del>·</del>
D86	Distillation, % Recd/				
	1/1	448			40.
	IBP 363 30	470	70 547	<u>EP</u> _	680
	<u>5</u> <u>387</u> <u>40</u>	471	<u>80</u> 578	EP % Rec	99.0
	IBP     363     30       5     387     40       10     901     50       20     418     60	496	70 80 90 95 610 95	<b>≉</b> Res	1.0
_	20 428 60	520	<u>95</u> 649	% Loss	<b>•</b>
D 1319	DEEFINS VOL. 1/0				0.9
	PARTICULATE CONTANINA	IT . mall.			4.4
D 2276	THE TICK CHIE CONTRACTOR	it - mg/L	4- V		
	<b>:</b>		<u>Technician</u>	) <b>:</b>	
			Approved:		
Duc -	STEAT 4.0 LAS	live BBUS	Faxed/Roto	to:	
•	ATENT 9.0 LAS	(	Date:	Time:	
SPTE - 10	IB .		27.75		
	11.3 ρ	¢2-			
	·				

#### U - --

## NORTH USED OIL TANK

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



ANALYTICAL REPORT

Page 1

Schmission Humber: 9701000203 Data Received: 01/15/97 Client's P.O. Number: Project Humber: Project Human Cil

Date Received: 01/15/97 Date Reported: 01/31/97

Lais Sample Number: 9701203 1 Cifenc Sample Number: 96-612 Date Sampled: 11/12/96 Sample Matrix: Oil

Sample Description: NORTH USED OIL TANK

			Reportir	4	Bate	Date
Analyte	Requit (	Unit	Limit	Analyat	Analyses	Ivapared
ARSBITC	40.40	#g/kg	0.48	.34	01/30/97	
CADMIUN	<1.0	<b>≈</b> z/kg	1.0		01/29/97	
CHREST SE	vS.0	mg/kg	5.8	1	61/38/67	:
LEAG	<b>4-</b> 5	ng/ku	5.8	.#	01/29/97	
DISCOLUTION PROCEDURE FOR METALS	0.000			Jib	01/29/97	
	ARSENTC CAUNIUM CHRISTING LENG	ARSENTC <0.40 CAUNIUM <1.0 CHRITETIE +5.6 LLAG	ARSENTC <0.40 mg/kg CADMIUM <1.0 mg/kg CHBTERTING +5.6 mg/kg LLENG -5.0 mg/kg	ARSENTC 40.40 mg/kg 0.40 capital 1.0 chirating 5.0 mg/kg 5.0 chirating 6.0 mg/kg 5.0 mg/kg 5.0 chirating 6.0 chirating 6	ARSENTC 40.40 mg/kg 0.40 JH CADMIUM <1.0 mg/kg 1.0 JB CHRITETIES +5.6 mg/kg 5.0 JR LLEAG 5.0 rg/kg 5.8 JB	ARSENTC 40.40 Mg/kg 0.40 JH 01/30/97 CADMIUM 41.0 Mg/kg 1.0 JB 01/29/97 CHBTENTIES 95.0 Mg/kg 5.0 JE 61/35/67 LEMS 5.0 Mg/kg 5.0 JE 01/29/97

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

Respectfully submitted:

Francis Y. Hummy, Ph.D. Herry N. Ashby

ab Director / President

FP 7230°F TOX 332

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

904 673 4001 PAGE.002

## SOUTH USED OIL TANK

## Best Available Copy

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



ANALYTICAL REPORT

wse 1

Substanted Number: 9702000279

Client's P.O. Humber:

Date Received: 02/14/97 Date Reported: 03/13/97 Project Number:

Project Wome: SOUTH USED OIL TANK

Lab Sample Munber: 9702279 1 Client Sample Number: 97-101 Date Sampled: 02/14/97 Sample Matrix: OIL

Sample Description: SCUTH USED OIL TANK

Reporting Dute Date Nethod Result 4 Unit Limit Analyst Analyce Analyzed Properties 3040/7060 ARSENIC (Total) <0.40 44 /kg 0.40 02/19/97 BL 3040/7130 CADMIUM (Notal) <1.0 mg/kg 1.0 AH 92/21/97 3040/7190 03/12/97 CHRONIUM (Total) ◆.0 5.0 me/ke 3040/7190 LEAD (Total) <5.0 5.0. 02/21/97 mg/kg KA 3040 DISSOLUTION PROCEDURE FOR METALS 0.000 02/21/97 ÄM

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

Respectfully submitted:

Erangta Y. Huma, Ph.D. / Renew H. Ashbu

Lab Director / President

P.O. Box 468 • 8 East Tower Circle • Ormand Beach, Florida 32175-0468 (904) 572-5868 • Fax (904) 573-4001

MAR 13 '97 17:42

PAGE: 009

904 573 400! PAGE.007

10 12 . 37 14:50 FROM SEMINOLE-HQ-2

Place Ela W/

## THE VAPPILLATOR INTEROFFICE MEMORANDUM

2 Bruce y Ed 5 Tue

Date:

10-Apr-1997 03:43pm EST

From:

Tom Cascio TAL

CASCIO T

Dept:

Air Resources Management

Tel No:

904/488-1344

10 addressees TO:

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) ---- 00/0006-001-AV St. Johns River Power Park (Jacksonville Electric Authority)\_\_\_\_\_0310001-001-AU 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 sperial subsection B. Esee Example from

Lakeland McIntosh 1050004-003-AUE

DRAFT Permit No.: 1050004-003-AV

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

#### <u>E.U.</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<sub>X</sub>, 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



### . TELECOPIER COVER LETTER

Total Number of Pages including cover letter:	·
To: Ed Svec	·
Company: FDEP	
Phone or Telecopier (850) 922-6979	7
From: Mike Roddy	
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Comments:	
	, ·
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P.O. BOX 272000 • TAMPA, FLORIDA 33686-2000 • (813) 963-0994 • FAX (813) 264-7904 •

# 0698 Rev. 1/90



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** 

Emissions Unit Information Se	ectioni	<b></b>	
Steam Electric Generator No. 1			
Segment Description and Rate	e: Segment		
1. Segment Description (Proce	ss/Fuel Type a	nd Associated Operating Method	(Alphode):
No. 2 fluel oil used for startups,	flame stabilizatio	on, and reserve capacity.	• '
2. Source Classification Code	(SCC): 1-01	-005-01	
3. SCC Units: Thousand Gall	ons Burned (all fa	quid fuels)	
4. Maximum Hourly Rate:	3.32	5. Maximum Annual Rate :	1,664,20
	,		
6. Estimated Annual Activity Fa	ictor:		
7. Maximum Percent Sulfur:	0,50	8. Maximum Percent Ash:	0.01
9. Million Btu per SCC Unit:	136		<del></del>
-			
10. Segment Comment :			
		<del></del>	

ill. Part 8 - 2

DEP Form No. 62-210.900(1) - Form

Emissions Unit Information Section

### D. SEGMENT (PROCESS/FUEL) INFORMATION

Steam Electric Generator No. 2		
Segment Description and Rate: Segment	nent 2	
1. Segment Description (Process/Fuel Typ	se and Associated Operating Method	(Mode):
No. 2 fuel oil used for startups, flame stabili	ization, and resevere capacity.	
2. Source Classification Code (SCC):	1-01-005-01	···
3. SCC Units: Thousand Gallons Burned (s	all liquid fuels)	<u>.</u>
4. Maximum Hourly Rate: 3.32	5. Maximum Annual Rate :	1,664.20
8. 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:		

III. Part 8 - 2

DEP Form No. 62-210.900(1) - Form



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BUREAU OF AIR REGULATION

#### TELECOPIER COVER LETTER

To: Company	Ed Sv. FDEP	s including cover letter: 9 2C (850) 922 -6979
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,	3) No. 2 F	

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# 0698 Rev. 1/90

Emissions	Unit information S	Section 1	<del>-</del>	
Steam Electri	ic Generator No. 1			
Segment D	escription and Ra	te : Segment	_1_	
1. Segmen	nt Description (Proc	ess/Fual Type ar	nd Associated Operating Method	/Mode):
Coal bur	ued in Unit No. 1			
2. Source	Classification Code	(SCC): 1-01	-002-02	
3. SCC Un	its: Tons Burned	(all solid fuels)		
4. Maximus	m Hourly Rate:	342,00	5. Maximum Annual Rate :	2,991,749.00
8. Estimate	ed Annual Activity i	factor:		
7. Maximu	m Porcent Sulfur :	4.30	8. Maximum Percent Ash :	13.00
9. Million B	tu per SCC Unit:	21		
Coal-fin	ed unit. Coal sulfur of ovided in Fields 4, 5, wed basis and medium	and 9 based on a no	ominal coal heating value of 10,500 l	Stu/ib on sm

M. Part 8 - 1

DEP Form No. 62-210.900(1) - Form

AUG 4 '97 13:38

352 332 6722 PAGE.002

FWI2210U2 OUT INTOWNED	ph section		
Steam Electric Generator No.	1		
Segment Description and	Rate: Segment	2	
1. Segment Description (	Process/Fuel Type and	Associated Operating Method	I/Mode) ;
Coal and petroleum coke	bursed in Unit No. 1		
2. Source Classification (	ode (SCC): 1-01-0	002-02	
3. SCC Units: Tons Bu	racd (all solid fuels)		
	:		
4. Maximum Hourly Rate	319.00	5. Maximum Annual Rate:	2,792,299.00
6. Estimated Annual Activ	ity Factor:		
7. Maximum Percent Sulfi	r: 5,10	8. Maximum Percent Ash:	9.40
9. Million Blu per SCC Un	t: 23		
10. Segment Communt :			
		a 70/30 weight percent blend of co in Field 7 is based on 4.3% S for c	
Data provided in Fields and 13,000 Btu/lb, respe		nal coal and petroleum coke heating basis.	g values of 10,500

III. Part B - 2

DEP Form No. 82-210.900(1) - Form

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## **Best Available Copy**

- · 08/01/07 FRI 16:53	PAT 352 332 6722	CD ECT GAINESVILLE	₩000
•	D. SEGMENT (PR	OCESS/FUEL) INFORMATION	
Parlandon a 1 la 14	1-4		
	Information Section		
Steam Electric Ger			
	iption and Rate: Segm	ern De and Associated Operating Method	dmanda) .
	1	artura, flame stabilization, and reserve or	
Corape men	ou builded in Cold 140. I has see	arenta, monte aminentament bed 1620146 (#	apacity.
2. Source Class	sification Code (SCC) :	1-01-005-04	
3. SCC Units :	Thousand Gallons Burned (	all liquid fuels;	
4. Mademum Ho	unty Rate : 3.32	5. Maximum Annual Rate :	500,00
6 Estimated As	nual Activity Factor:		
o. Esumened An			
7. Maximum Per	rcent Sulfur: 0.50	8. Maximum Percent Ash :	0.01
9. Million Sturpe	er SCC Unitt: 142		
10. Segment Co			
	oil wed the startuos florosts		₹008
08/01/97 FRI 16:82 FA	X 352 332 5722	CD BCT GAINESVILLE	<b>4</b> 2008
	D. SEGMENT (PRO	CESS/FUEL) INFORMATION	
Marianiana I laki ku			
	formation Section	1_	
Steam Electric Ocac		<b>1</b>	
	flor and Rate: Segme	and Associated Operating Method/	Maria's
		s, flamo stabilization, and reserve capuci	
140. 2 rust ou ou	area in One No. 1 for energy	a' manue officialistical etter leserae cobject	199.
2. Source Classif	fication Code (SCC): 1-	01-005-01	
3, SCC Units :	Thousand Onlions Hurned (a)	l liquid fisels)	
4. Maximum Hou	rly Rate: 3.32	5. Maximum Annual Rate :	1,664.20
6. Estimated Ann	ual Activity Factor:		
7. Maximum Perc		6. Maximum Percent Ash :	0.01
	cent Suffur: 0,50	6. MEXETALIN PERCENT ASIN :	
	ant Sumur: 0,50	o, maximum Percent Asn :	
9. Million Btu per		6. Mazerium Parcent Alin :	
9. Million Btu per		o, mezernin Percent Asn :	
9. Million Btu per	SCO Unit: 136	o, maximum Parcent Asn :	
10. Segment Com	SCO Unit: 136  nment: sed for startupe, flame stabilize	ation, emergency reserve capacity during	
10. Sogment Con No. 2 fuel all us shortages, and I	SCC Unit: 136  Imment: sed for startups, flame stabilization supplemental load.	ation, emergency reserve capacity during	statewide energy
10. Sogment Con No. 2 feet all us shortages, and I SECI intends to	SCC Unit: 136  Imment: sed for startups, flame stabilization supplemental load.	ation, energency reserve expecity during	statewide energy
10. Sogment Con No. 2 feet all us shortages, and I SECI intends to	SCC Unit: 136  nument:: sed fire startupe, flame stabilization of up by shittato the utilization of up to	ation, energency reserve expecity during	statewide energy
10. Sogment Con No. 2 feet all us shortages, and I SECI intends to	SCC Unit: 136  nument:: sed fire startupe, flame stabilization of up by shittato the utilization of up to	ation, energency reserve expecity during	statewide energy
10. Sogment Con No. 2 fuel all u shortages, and I SECI intends to No. 2 fuel oil) v	SCC Unit: 136  noment:  sed for stertupe, flame stabilization of up to imited supplemental load.  shitiato the utilization of up to within the surrent permit cycle  (ii. Part 6	ation, emergency reserve capacity durung o 500,000 gallons per year of on-spec use	statewide energy
10. Sogment Con No. 2 feet all us shortages, and I SECI intends to	SCC Unit: 136  noment:  sed for stertupe, flame stabilization of up to imited supplemental load.  shitiato the utilization of up to within the surrent permit cycle  (ii. Part 6	ation, emergency reserve capacity durung o 500,000 gallons per year of on-spec use	statewide energy

252 536 6760 PART SAS

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Emissions Unit Informati	on Section 2	-	
Steam Electric Generator No.	. 2		
Seament Description and	d Rate: Segment	1	
1. Segment Description (	Process/Fuel Type and	d Associated Operating Method	/Mode) :
Coal burned in Unit No.	2		
2. Source Classification	Code (SCC) : 1-01-0	002-02	
3. SCC Units: Tons Bu	rhed (all solid fucis)		
4. Maximum Hourly Rate	342.00	5. Maximum Annual Rate :	2,991,749.00
6. Estimated Annual Acti	vity Factor :		
7. Maximum Percent Sul	for: 4,30	8. Maximum Percent Ash :	13,00
9. Million Blu per SCC U	t: 21		
Data provided in Fields	fur content is a maximum 5, 5, and 9 based on a new eximum heat input of 7,12	minal coal heating value of 10,500 i	Etu/lb on an

III. Part 8 - 1

DEP Form No. 62-210.900(1) - Form

AUG 4 '97 13:39

352 332 6722 PAGE.004

# D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Informa	tion Section _	2	
Steam Electric Generator N	o. <del>2</del>		
Segment Description a	nd Rate: Segm	nent 2	
1. Segment Description	(Frocess/Fuel Typ	pe and Associated Operating Method	/Mode) :
Coal and petroloum col	se lumed in Unit No.	.2	
2. Source Classification	Code (SCC) :	1-01-002-02	
3. SCC Units : Tons E	turned (all solid finels	)	
4. Maximum Hourly Rat	e 319.00	5. Maximum Annual Rate :	2,792,299.00
6. Estimated Annual Ac	tivity Factor:		
7. Maximum Percent Su	Mur: 5,10	8. Maximum Percent Ash:	9.40
9. Million Btu per SCC L	Juit : 23		
10. Segment Comment	;		
		sed on a 70/30 weight percent blend of co- ontent in Field 7 is based on 4.3% S for e	
Data provided in Field and 13,000 Btu/lb, res		n nominal coal and petroleum coke heating serived basis.	g values of 10,500

III. Part 8 - 2

DEP Form No. 82-210.900(1) - Form

352 832 6722 PAGE.005

Emissions Unit Information Section

# D. SEGMENT (PROCESS/FUEL) INFORMATION

		_	
Steam Electric Generator No	2		
Segment Description and	i Rate: Segment		
1. Segment Description (	Process/Fuel Type an	d Associated Operating Method	(eboMV
No. 2 fuel oil burned in t	Init No. 2 for startups, fi	ame stabilization, and reserve capac	āty.
2. Source Classification (	Code (SCC): 1-01-	005-01	
3. SCC Units: Thousan	d Gallons Burned (211 liq	mid fuels)	
4. Maximum Hourly Rate	: 3.32	5. Maximum Annual Rate :	1,664.20
6. Estimated Annual Activ	ity Factor:		
7. Maximum Percent Sulf	ur: 0.50	8. Maximum Percent Ash :	0,01
9. Million Btu per SCC Ur	it: 136		
10. Segment Comment:			<u></u>
No. 2 fuel oil used for st shortages, and limited su		on, emergency reserve espacity durin	ng statewide energy
SECI intends to initiate to No. 2 fuel oil) within the	_	0,000 gallons per year of on-spec u	sed oil (in lieu of
			<u> </u>

III. Part 8 - 3

DEP Form No. 82-210.900(1) - Form

352 332 6722 PAGE.004

\*\* TOTAL PAGE. DDB \*\*

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# D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Informat	on Section 2
Steam Electric Generator No	. 2
Segment Description an	d 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: Thousa	d Gallons Burned (all liquid fuels)
4. Maximum Hourly Rate	: 3.32 5. Maximum Annual Rate ; 500.00
6. Estimated Annual Act	vity Factor:
7. Maximum Percent Sul	fur: 0.50 8. Maximum Percent Ash: 0.01
9. Million Btu per SCC U	nit : 142
energy shortages, and li	or startups, flame stabilization, emergency reserve capacity during statewide mitted supplemental load.  the utilization of up to 500,000 gallons per year of on-spec used oil (in tieu of

111. Part 8 - 4

DEP Form No. 82-210.900(1) - Form

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352 332 5722 PAGE.005



### TELECOPIER COVER LETTER

Date: 8-5-97
Total Number of Pages including cover letter:
To: Ed Suec
Company: FDEP
Phone or Telecopier #: (850) 922 - 6979
From: Mike Raddy

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

Comments: D. Segment Info.	-for petcoke	basel on	condict Cortiand
ethnog de4			

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: Segmen	nt	
Segment Description (Process/Fuel Type :     Petroleum coke burned in Unit No. 1	and Associated Operating Method	/Mode) :
2. Source Classification Code (SCC): 1-0	1-002-02	
3. SCC Units: Toes Burned (all solid fuels)		
4. Maximum Hourly Rate: 93.00	5. Maximum Annual Rate :	814,680.00
8. Estimated Annual Activity Factor:		
7. Maximum Percent Sulfur: 7.00	8. Maximum Percent Ash:	1.00
9. Million Btu per SCC Unit: 26		allingur, algebrager, alleg (1 gra
10. Segment Comment:  Data provided in Fields 4 and 5 based on PSD Conditions of Certification PA 78-10F modific		ion Item 6. and

III. Part 8 - 5 DEP Form No. 82-210.900(1) - Form

08/05/97 TUE 18:20 FAX 352 332 6722 CD ECT GAINESVILLE

**2003** 

### D. SEGMENT (PROCESS/FUEL) INFORMATION

Emissions Unit Information Section	2	
Steam Electric Generator No. 2		
Segment Description and Rate: Segme	ent <u>2</u>	
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 Eurned (all solid fucis)		<del></del>
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 PSE Conditions of Certification PA 78-10F modifi		ion Item 6. and

III. Part 8 - 5

DEP Form No. 62-210.900(1) - Form

#### (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 1 0 7 0 0 25 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
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: Seminoly Electric Cooperat	ive , Inc.	
Facility ID No.: 1070025 Site Name: Semina	1+ Power Plant	
County: Putnam		
application receipt date <u>ob / [7] 4b</u>	•	
I. Preliminary scanning of application submitted.		
a. Was application submitted to correct permitting authority?	Y	
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?  A facsimile of official version of form?  Some combi	V Whardcopy a	the
e. 4 copies (paper/electronic) submitted?	Y N	
f. Electronic diskettes protected/virus scanned/marked?  Y  by	NN/A K.7. date 06/18/16	
g. Entire hard copy of Section I. provided (Pages 1-8 of form)? Facility identified (Page 1)? [if not complete a Page 1] R.O. certification signed and dated (Page 2)? P.E. certification signed and dated (Page 7)?	Y N Y* [Attached] Y*_ N Y*_ N	
h. Any confidential information submitted?  If yes, R.O. provided hard copy to us and EPA?  If yes, hard copy locked up and note filed with application?	Y N Y* N Y* N	
i. Type of application filed.		
TV application for 'existing' Title V Source only?	Y V N N	
Any units subject to acid rain?	Y N	
 Note(s): [*] = mandatory.		
Comment(s): 1070025 uploaded in EARS 7/12,	186 Office	
<u> </u>		
Reviewer's initials 🄏 date 06/18/46 Concurrence	initials date /	/

Viruses Scanned

ykz

36/18/96

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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 <u>Final Determination of a Proposed Air Pollution Source Pursuant to Environmental Protection Rules for the Prevention of Significant Deterioration</u>, 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

# Scope of Application

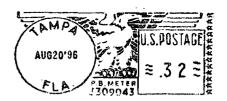
Emissions Unit ID	Description of Emissions Unit		
001	Steam Electric Generator No. 1		
002	Steam Electric Generator No. 2		
No Id	Coal Handling and Storage		
No Id	Limestone Unloading		
No Id	Limestone Handling and Storage		
No Id	FGD Sludge Stabilization	***	
No Id	Railcar Maintenance		

# **Scope of Application**

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

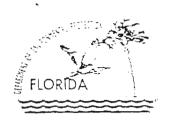


P.O. BOX 272000 TAMPA, FLORIDA 33688-2000



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

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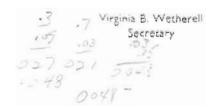


# Department of **Environmental Protection**

Lawton Chiles Governor

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

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 (70 · PS · PS)+ (30 · 874) and petroleum coke

Item 1 - Sulfur Dioxide (SO2) Emissions

2) Unit 1:

$$E_{SO_2} = [(\%C_{HI}/100) * (P_S) * (1 - (\%R_0/100))] + [(1 - (\%C_{HI}/100)) * (0.74 lb SO_2/MMBtu)]$$
 (Eqn. 1)

b) Unit 2:

$$E_{SO_2} = [(\%C_{HI}/100)*(P_S)*(1-(\%R_0/100))] +[(1-(\%C_{HI}/100))*(0.72 lb.SO_2/MMBbs)]$$
(Eqn. 2)

where:

= allowable SO2 emission rate; pounds per million Bin heat input (lb SO4/MMBtu), 30-day rolling average

= percent of coal used on a heat input basis

<sup>&</sup>quot;Protest, Conserve and Marage Florida's Environment and Maturial Resources"

Permit Modification No.: PSD-FL-018(A), PA 78-10

Page 2 of 3

$P_{S}$	= potential SO <sub>2</sub> combustion concentration (unwashed coal without emission control	
	systems) as defined by NSPS Subpart Da; lb SO2/MMBtu, 30-day rolling average	
% Ro	= overall percent SO <sub>2</sub> reduction from Equation 19-21 of EPA Reference Method 19.	
	Per NSPS Subpart Da, % Ro must not be less than 90%, 30-day rolling average	
0.74	= historical 2-year annual average SO <sub>2</sub> emission rate for Unit 1; lb/MMBtu	
0.72	= historical 2-year annual average SO <sub>2</sub> 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
- 0.50 Ib/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

Permit Modification No.: PSD-FL-C18(A), PA 78-10

Page 3 of 3

1

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

# Florida Department of Environmental Protection

TO:

Howard L. Rhodes

THRU:

Clair Fancy

Al Linero caf 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.

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 Turbine vapor extractor	Rule 62-210.300(3)(a)22.,F.A.C.  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 Belt conveyors	Rule 62-210.300(3)(a)10.,F.A.C.  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 Equipment used exclusively for space heating, other than boilers	Rule 62-210.300(3)(a)9.,F.A.C. 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 \*

Mir. 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.

#### 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.