

Sheplak, Scott

- file -

From: Bradley, Chris [Chris.Bradley@pgnmail.com]
Sent: Friday, October 16, 2009 3:24 PM
To: Sheplak, Scott
Subject: Suwannee River Plant - CT Peaker Section Pre-draft

Scott –

Here are the requested and recommended changes to the CT peaker section pre-draft for the Suwannee River Plant you requested. If you have any questions, please contact me. Have a terrific weekend.

Best regards,

Chris Bradley
Sr. Environmental Specialist
Technical Services/EHSS Section-POG
Progress Energy Florida, Inc.
Telephone: 727.820.5962
Vnet No: 230.5962
Cell: 727.409.2477
Fax: 727.820.5229
E-mail: Chris.Bradley@pgnmail.com

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1. The "water-to-fuel" ratio for natural gas should read 0.370 instead of 0.380.
2. In the Table of Section III, insert (CTP) as follows:

 Combustion Turbine Peaking (CTP) Unit No. 1 (P-I)
3. In Condition B.2. – What is the process by which the "Manufacturer's curves approved by the Department for the heat input correction to other temperatures may be utilized to establish heat input rates over a range of temperatures for compliance determination."?
4. In the "Excess Emissions" the Permitting Note was removed. What was the basis for removing this permitting note?
5. In the "Emission Limitations and Standards " Section, an "averaging time " is applicable to Specific Condition(s) B.5. - B.7 and B.9. I don't believe an averaging time is applicable to Condition B.8. It may make more sense to rearrange these condition and renumbering; i.e., move B.8 so it follows B.9 and renumbering these two conditions. The opening sentence to this section would then read – "Unless otherwise specified, the averaging time(s) for Specific Condition(s) B.5. - B.8. are based on the specified averaging time of the applicable test method."
6. PEF requests that condition B.11 be removed from the permit.
7. In the "Custom Fuel Monitoring Schedule for Natural Gas", 2(a) reads – "Analysis for fuel

Sheplak, Scott

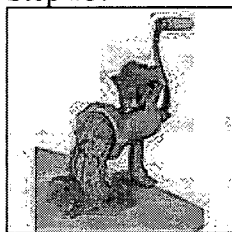
-f:k-

From: Sheplak, Scott
Sent: Friday, October 09, 2009 1:36 PM
To: 'Bradley, Chris'; 'Tom Davis'
Cc: Holtom, Jonathan
Subject: Title V Permit Renewal for Suwannee River Power Plant - Combustion Turbine Peaking Units (Simple Cycle units) - CAM Plan
Attachments: 1210003-007-AV CAM Plan version dated 10 07 2009 pre D P.pdf

Tracking:

Recipient	Delivery	Read
'Bradley, Chris'		
'Tom Davis'		
Holtom, Jonathan	Delivered: 10/9/2009 1:36 PM	Read: 10/9/2009 2:01 PM

Step #3.



I am working on the CAM Plan for the Combustion Turbine Peaking Units (Simple Cycle units) at Suwannee.

Follow up item:

Do you have the data used to support the indicator ranges in the CAM Plan proposed by you (the applicant), i.e., water-to-fuel ratios (target ratios)? The current ratios are shown in the table below I have copied from the attached pre-Draft/Proposed approved CAM Plan.

Fuel	target ratio values* (minimum water-to-fuel ratio)
Fuel Oil	0.570
Natural Gas	0.380

The proposed values should be based on current data, unless it has not changed or for some other reason. It seems a lot of applicants have been forgetting about relooking at the data in CAM Plans at the time of renewal.

Have a good weekend!

Sincerely,

Scott M. Sheplak, P.E.
 DEP - Title V Section
 Mail Station #5505
 2600 Blair Stone Road
 Tallahassee, FL 32399

Telephone 850/921-9532

10/19/2009

Sheplak, Scott

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From: Sheplak, Scott
Sent: Tuesday, November 03, 2009 12:18 PM
To: 'Oquendo.Ana@epamail.epa.gov'
Cc: 'Forney.Kathleen@epamail.epa.gov'
Subject: Public Notice notification for Draft/Proposed project - parallel review title V permit - Florida Power Corporation dba Progress Energy Florida, Inc. (PEF), Suwannee River Power Plant

We have received proof of publication for the following project:

1210003-007-AV
Florida Power Corporation dba Progress Energy Florida, Inc. (PEF), Suwannee River Power Plant

They published on 10/30/2009 therefore
Day 45 = 12/14/2009 (end of the USEPA Region 4 review period)
Day 55 = 12/24/2009 (Final permit by operation of law).

Sincerely,

Scott M. Sheplak, P.E.
State of Florida
Department of Environmental Protection
Mail Station #5505
2600 Blair Stone Road
Tallahassee, FL 32399

850/921-9532
Scott.Sheplak@dep.state.fl.us

Sheplak, Scott

- file -

From: Banks, Richard
Sent: Thursday, May 28, 2009 9:06 AM
To: Sheplak, Scott
Cc: Clark, Vincent
Subject: RE: Compliance Review of Title V Air Operation Permit Renewal Application

Scott,

There are no outstanding compliance or enforcement actions in relation to Florida Power Corporation (1210003).

From: Sheplak, Scott
Sent: Tuesday, May 26, 2009 12:00 PM
To: Banks, Richard
Subject: Compliance Review of Title V Air Operation Permit Renewal Application

Re: Compliance Review of Title V Air Operation Permit Renewal Application

Florida Power Corporation dba Progress Energy Florida, Inc. (PEF)
 Suwannee River Power Plant
Project No. 1210003-007-AV

On May 19, 2009, our office received the subject application via hard copy. The applicant indicated that they provided the NED office a copy. A copy of the application is in the process of being scanned.

Each applicant for a Title V permit is required to sign a certification of compliance. Each applicant is also required to report the compliance status of each emissions unit. Any non-compliance at the time of application and/or during the processing of the application requires a compliance plan to be submitted. The applicant certified compliance in this permit application.

Please review this facility's status with your compliance and enforcement staff. Please notify me via email or hard-copy **either**:

- a. there are no outstanding compliance or enforcement actions with this facility;
- or**
- b. the following outstanding compliance and enforcement issues exist (please list).

Please review the compliance status of this facility and send us your written comments within 30 days (**no later than June 20th**). Thank you for your support and have a great day!

Fuel Oil Emissions Calculator						
Type of fuel oil:	#6		Fuel oil density defaults			
			type	#/gallon		
	<enter>		#1, 2	6.83		
fuel oil density	8.33	#/gallon	#3	7.5		
usage (v)	1286.2	max gallons/hour	#4	7.75		
permitted hours	0	max hours/year	#5	8		
			#6	8.33		
usage (v)	0 max gallons/year					
usage (v)	11,267,000	actual gallons/year				
SO2 emissions						
	#/gallon	max #/hour	max TPY	TPY (based on actual gpy)		
max %S permitted	0	0.00	0.00	0.00		
Used oil calculations						
		Constituent emissions				
Constituent	ppm	#/gallon	max #/hour	max TPY	TPY (based on actual gpy)	
arsenic	5	0.00004165	0.05	0.00	0.23	0.234635275
cadmium	2	0.00001666	0.02	0.00	0.09	0.09385411
chromium	10	0.0000833	0.11	0.00	0.47	0.46927055
lead	100	0.000833	1.07	0.00	4.69	4.6927055
total halogens	1000	0.00833	10.71	0.00	46.93	46.927055
Total	1117	0.01	11.97	0.00	52.42	52.42
NOTES:						
usage (v) - "v" denotes volume.						
Assumptions:						
1) all constituents emitted uncontrolled; control device does not remove any.						
2) all constituents do not combine with product.						
3) all constituents released into air.						