

# Florida Department of Environmental Protection

Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

June 10, 2010

*Sent via Electronic Mail*

[rdbishop@tecoenergy.com](mailto:rdbishop@tecoenergy.com)

Mr. Ronald D. Bishop, Director  
Tampa Electric Company (TECO)  
Big Bend Station  
P. O. Box 111  
Tampa, Florida 33601-0111

Re: Additional Information, File Number 0570039-045-AV  
Title V Air Operation Permit Revision Applications  
Big Bend Station  
Simple Cycle Combustion Turbine (SCCT) 4A and SCCT 4B Project  
Railcar Unloading System Project

Dear Mr. Bishop:

On May 18, 2010 and June 7, 2010, the Department received Title V air operation permit revision applications for the subject projects via Electronic Permit Submittal and Processing System (EPSAP). The Big Bend Station is located at Big Bend Road, North Ruskin in Hillsborough County, Florida.

In order to continue processing the application, the Department needs the additional information requested below. Should a response to any of the below items require new calculations, please submit the new calculations, assumptions, reference material and appropriate revised pages of the permit application form.

1. Are you requesting that both of the subject permit application projects be processed together?

Simple Cycle Combustion Turbine (SCCT) 4A and SCCT 4B a.k.a "Aeroderivative CT-Generator Unit" Project, Permit No. 0570039-040-AC, Emissions Unit Identification Numbers (E.U. ID Nos.) -041 and -042

2. What was the date this unit commenced operations?
3. Has the Combustion Turbine (CT) No. 1 been shutdown and removed from the site? If yes, what were the dates?
4. Are specific condition numbers III.37. and 38. of Permit No. 0570039-043-AC (amendment to Permit No. 0570039-040-AC), issued 08/20/2009, now obsolete?
5. Permit No. 0570039-040-AC, specific condition number III.7. required the manufacturer's performance curves to be submitted. I was unable to locate them on file with the Department; please provide.
6. In the permit revision application it was indicated that the "Procedures for Startup and Shutdown" had been previously submitted on 08/21/2008. I was unable to locate them on file with the Department; please provide. {In the EPSAP, see Section III. Emissions Unit Information, I. Emissions Unit Additional Information, Field 4., Procedures for Startup and Shutdown (Required ...)}.

Note: I found the initial Clean Air Interstate Rule (CAIR) and initial Acid Rain part permit applications on file with the Department. They both had been received on August 22, 2008 with the air construction permit application for Project No. 0570039-040-AC.

Railcar Unloading System Project, Permit No. 0570039-041-AC, E.U. ID No. -010

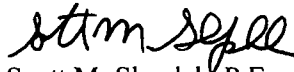
7. Have the required compliance tests been completed? The EPSAP field was blank. {In the EPSAP, see Section III. Emissions Unit Information, I. Emissions Unit Additional Information, Field 6., Compliance Demonstration Reports/Records Compliance Report}.
8. The specific requirements applicable to the emissions unit(s) under this project need to be identified. Specific condition number III.1. of Permit No. 0570039-041-AC cites NSPS 40 CFR Subpart Y, Coal Preparation Plants. On page 7 of 8 of the permit, the permitting note also cites NSPS 40 CFR Subpart Y. The EPSAP field was blank. {In the EPSAP, see Section III. Emissions Unit Information, I. Emissions Unit Additional Information, Field 1., Identification of Applicable Requirements . The instructions to the form on this item should be helpful.}.

The Department will resume processing the application after receipt of the requested information. Rule 62-4.050(3), Florida Administrative Code (F.A.C.) requires that all applications for a Department Title V air operation permit must be certified by a professional engineer (P.E.) registered in the State of Florida. This requirement also applies to responses to Department requests for additional information of an engineering nature. For any material changes to the application, please include a new certification statement by the responsible official (R.O.).

Rule 62-4.055(1), F.A.C. now requires applicants to respond to requests for information within **ninety (90)** days or provide a written request for an additional period of time to submit the information.

If you should have any questions, feel free to contact me by telephone at 850/921-9532 or by e-mail at [scott.sheplak@dep.state.fl.us](mailto:scott.sheplak@dep.state.fl.us).

Sincerely,



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

copy to: Mr. Byron T. Burrows, P.E., Manager-Air Programs EHS, TECO: [btburrows@tecoenergy.com](mailto:btburrows@tecoenergy.com)  
Ms. Julie Ward, Engineer-Air Programs EHS, TECO: [jmward@tecoenergy.com](mailto:jmward@tecoenergy.com)  
Ms. Diana M. Lee, P.E., EPCHC: [lee@epchc.org](mailto:lee@epchc.org)  
Ms. Cindy Zhang-Torres, P.E., DEP SWD: [zhang-torres@dep.state.fl.us](mailto:zhang-torres@dep.state.fl.us)  
Mr. Mike Halpin, P.E., DEP Siting: [michael.halpin@dep.state.fl.us](mailto:michael.halpin@dep.state.fl.us)  
Ms. Victoria Gibson, DEP BAR: [victoria.gibson@dep.state.fl.us](mailto:victoria.gibson@dep.state.fl.us) (for reading file)

**Friday, Barbara**

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**To:** rdbishop@tecoenergy.com  
**Cc:** Byron Burrows; jmward@tecoenergy.com; lee@epchc.org; Zhang-Torres; Halpin, Mike; Gibson, Victoria; Sheplak, Scott; Holtom, Jonathan  
**Subject:** Additional Information, File Number 0570039-045-AV - Tampa Electric Company - Big Bend Station  
**Attachments:** RonaldBishop0570039-045-AVTECOBigBendStationAdditionalInformation.pdf

Dear Sir/Madam:

Please send a "reply" message verifying receipt of the attached document(s); this may be done by selecting "Reply" on the menu bar of your e-mail software, *noting that you can view the documents*, and then selecting "Send". We must receive verification of receipt and your reply will preclude subsequent e-mail transmissions to verify receipt of the document(s).

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The document is in Adobe Portable Document Format (pdf). Adobe Acrobat Reader can be downloaded for free at the following internet site: <<http://www.adobe.com/products/acrobat/readstep.html>> .

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Thank you,

Barbara Friday  
Bureau of Air Regulation  
Division of Air Resource Management (DARM)  
(850)921-9524

## Friday, Barbara

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**From:** Bishop, Ron D. [rdbishop@tecoenergy.com]  
**To:** Friday, Barbara  
**Sent:** Thursday, June 10, 2010 1:20 PM  
**Subject:** Read: Additional Information, File Number 0570039-045-AV - Tampa Electric Company - Big Bend Station

Your message was read on Thursday, June 10, 2010 1:19:53 PM (GMT-05:00) Eastern Time (US & Canada).

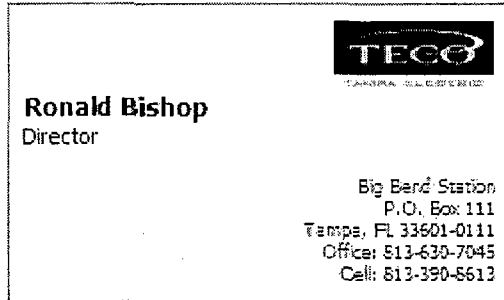
## Friday, Barbara

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**From:** Bishop, Ron D. [rdbishop@tecoenergy.com]  
**Sent:** Thursday, June 10, 2010 1:28 PM  
**To:** Friday, Barbara  
**Subject:** RE: Additional Information, File Number 0570039-045-AV - Tampa Electric Company - Big Bend Station  
**Attachments:** Ronald Bishop.vcf

Barbara, I opened and reviewed the attached document.

Thanks,



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**From:** Friday, Barbara [mailto:Barbara.Friday@dep.state.fl.us]  
**Sent:** Thursday, June 10, 2010 1:06 PM  
**To:** Bishop, Ron D.  
**Cc:** Burrows, Byron T.; Ward, Julie M.; lee@epchc.org; Zhang-Torres; Halpin, Mike; Gibson, Victoria; Sheplak, Scott; Holtom, Jonathan  
**Subject:** Additional Information, File Number 0570039-045-AV - Tampa Electric Company - Big Bend Station

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Barbara Friday  
Bureau of Air Regulation  
Division of Air Resource Management (DARM)  
(850)921-9524

*The Department of Environmental Protection values your feedback as a customer. DEP Secretary Michael W. Sole is committed to continuously assessing and improving the level and quality of services provided to you. Please take a few minutes to comment on the quality of service you received. Simply click on [this link to the DEP Customer Survey](#). Thank you in advance for completing the survey.*

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## Friday, Barbara

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**From:** Burrows, Byron T. [BTBurrows@tecoenergy.com]  
**To:** Friday, Barbara  
**Sent:** Thursday, June 10, 2010 1:29 PM  
**Subject:** Read: Additional Information, File Number 0570039-045-AV - Tampa Electric Company - Big Bend Station

Your message was read on Thursday, June 10, 2010 1:29:13 PM (GMT-05:00) Eastern Time (US & Canada).

## Friday, Barbara

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**From:** Ward, Julie M. [jward@tecoenergy.com]  
**To:** Friday, Barbara  
**Sent:** Thursday, June 10, 2010 1:20 PM  
**Subject:** Read: Additional Information, File Number 0570039-045-AV - Tampa Electric Company - Big Bend Station

Your message was read on Thursday, June 10, 2010 1:19:37 PM (GMT-05:00) Eastern Time (US & Canada).



## Friday, Barbara

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**From:** Ward, Julie M. [jmward@tecoenergy.com]  
**Sent:** Thursday, June 10, 2010 1:40 PM  
**To:** Friday, Barbara; Bishop, Ron D.  
**Cc:** Burrows, Byron T.; lee@epchc.org; Zhang-Torres; Halpin, Mike; Gibson, Victoria; Sheplak, Scott; Holtom, Jonathan  
**Subject:** RE: Additional Information, File Number 0570039-045-AV - Tampa Electric Company - Big Bend Station

Thank you. We have received the documents.

---

**From:** Friday, Barbara [mailto:Barbara.Friday@dep.state.fl.us]  
**Sent:** Thursday, June 10, 2010 1:06 PM  
**To:** Bishop, Ron D.  
**Cc:** Burrows, Byron T.; Ward, Julie M.; lee@epchc.org; Zhang-Torres; Halpin, Mike; Gibson, Victoria; Sheplak, Scott; Holtom, Jonathan  
**Subject:** Additional Information, File Number 0570039-045-AV - Tampa Electric Company - Big Bend Station

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Barbara Friday  
Bureau of Air Regulation  
Division of Air Resource Management (DARM)  
(850)921-9524

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**Friday, Barbara**

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**From:** Microsoft Exchange  
**To:** lee@epchc.org  
**Sent:** Thursday, June 10, 2010 1:06 PM  
**Subject:** Relayed: Additional Information, File Number 0570039-045-AV - Tampa Electric Company - Big Bend Station

**Delivery to these recipients or distribution lists is complete, but delivery notification was not sent by the destination:**

[lee@epchc.org](mailto:lee@epchc.org)

Subject: Additional Information, File Number 0570039-045-AV - Tampa Electric Company - Big Bend Station

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Sent by Microsoft Exchange Server 2007

## Friday, Barbara

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**From:** Lee, Diana [Lee@epchc.org]  
**To:** Friday, Barbara  
**Sent:** Thursday, June 10, 2010 3:02 PM  
**Subject:** Read: Additional Information, File Number 0570039-045-AV - Tampa Electric Company - Big Bend Station

Your message was read on Thursday, June 10, 2010 3:02:17 PM (GMT-05:00) Eastern Time (US & Canada).

**Friday, Barbara**

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**From:** Microsoft Exchange  
**To:** Sheplak, Scott  
**Sent:** Thursday, June 10, 2010 1:06 PM  
**Subject:** Delivered: Additional Information, File Number 0570039-045-AV - Tampa Electric Company - Big Bend Station

**Your message has been delivered to the following recipients:**

Sheplak, Scott

Subject: Additional Information, File Number 0570039-045-AV - Tampa Electric Company - Big Bend Station

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Sent by Microsoft Exchange Server 2007

## Friday, Barbara

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**From:** Sheplak, Scott  
**To:** Friday, Barbara  
**Sent:** Thursday, June 10, 2010 1:22 PM  
**Subject:** Read: Additional Information, File Number 0570039-045-AV - Tampa Electric Company - Big Bend Station

Your message was read on Thursday, June 10, 2010 1:21:47 PM (GMT-05:00) Eastern Time (US & Canada).

**Friday, Barbara**

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**From:** Microsoft Exchange  
**To:** Zhang-Torres; Halpin, Mike; Holtom, Jonathan; Gibson, Victoria  
**Sent:** Thursday, June 10, 2010 1:06 PM  
**Subject:** Delivered: Additional Information, File Number 0570039-045-AV - Tampa Electric Company - Big Bend Station

**Your message has been delivered to the following recipients:**

Zhang-Torres

Halpin, Mike

Holtom, Jonathan

Gibson, Victoria

Subject: Additional Information, File Number 0570039-045-AV - Tampa Electric Company - Big Bend Station

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Sent by Microsoft Exchange Server 2007

## Friday, Barbara

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**From:** Zhang-Torres  
**Sent:** Thursday, June 10, 2010 1:06 PM  
**To:** Friday, Barbara  
**Subject:** Out of Office: Additional Information, File Number 0570039-045-AV - Tampa Electric Company - Big Bend Station

I will be out of the office from June 10th thru July 8th. If you have any questions regarding air permitting, please contact Mr. Jim McDonald at [Jim.McDonald@dep.state.fl.us](mailto:Jim.McDonald@dep.state.fl.us)

Thanks.

## Friday, Barbara

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**From:** Zhang-Torres  
**To:** Friday, Barbara  
**Sent:** Monday, July 12, 2010 9:19 AM  
**Subject:** Read: Additional Information, File Number 0570039-045-AV - Tampa Electric Company - Big Bend Station

Your message was read on Monday, July 12, 2010 9:19:21 AM (GMT-05:00) Eastern Time (US & Canada).



## Friday, Barbara

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**From:** Halpin, Mike  
**Sent:** Thursday, June 10, 2010 1:17 PM  
**To:** Friday, Barbara  
**Subject:** Delivered: Additional Information, File Number 0570039-045-AV - TampaElectric Company - Big Bend Station  
**Attachments:** ATT00001

Your message was delivered to the recipient.

## Friday, Barbara

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**From:** Holtom, Jonathan  
**To:** Friday, Barbara  
**Sent:** Thursday, June 10, 2010 2:06 PM  
**Subject:** Read: Additional Information, File Number 0570039-045-AV - Tampa Electric Company - Big Bend Station

Your message was read on Thursday, June 10, 2010 2:05:35 PM (GMT-05:00) Eastern Time (US & Canada).

## Friday, Barbara

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**From:** Gibson, Victoria  
**To:** Friday, Barbara  
**Sent:** Thursday, June 10, 2010 1:08 PM  
**Subject:** Read: Additional Information, File Number 0570039-045-AV - Tampa Electric Company - Big Bend Station

Your message was read on Thursday, June 10, 2010 1:07:44 PM (GMT-05:00) Eastern Time (US & Canada).