

September 16, 2013

10389556A

Al Linero, PE  
Air Quality Division  
Department of Environmental Protection  
2600 Blair Stone Road,  
MS 5000  
Tallahassee, FL 32399-2400

**RE: REQUEST FOR EXTENSION OF PSD PERMIT EXPIRATION DATE  
EFS SHADY HILLS LLC; FACILITY ID NO. 1010373  
AIR PERMIT NO. 1010373-014-AC/PSD-FL-402A**

Dear Mr. Linero:

Pursuant to Rule 62-4.080(3), Florida Administrative Code (F.A.C.), EFS Shady Hills LLC (Shady Hills) requests the extension of Permit No. 1010373-014-AC, due to expire on July 31, 2015. The rule specifies that the request must be submitted to the Department in writing before the expiration date. However, in this case, the request is being made not only in advance of the permit expiration date, but before the lapse of 18 months from the permit issuance date (April 6, 2012), which is October 6, 2013.

Shady Hills was issued a PSD permit from the FDEP (Permit No. 1010373-014-AC, PSD-FL-402A) on April 6, 2012 for the installation of two additional simple cycle combustion turbine (CT) electric generators at the site. The Project intends to install a new generation of General Electric (GE) CTs, designated as GE 7FA.05s, with a nominal rating of 218 MW each.

It is our understanding that an extension would restart the 18 month commencement of construction timeline. As discussed during our phone call of July 16, 2013, this permit extension request is necessary because Shady Hills has not been able to commence construction due to EPA's permit processing schedule for the required greenhouse gas (GHG) PSD permit and a delay in securing an acceptable power purchase agreement for the two new units. As there is currently no way of knowing when a final permit will be received from EPA Region IV, Shady Hills requests that the PSD permit be revised to state that construction will commence within 18 months of issuance of the final GHG PSD permit by EPA. In addition, Shady Hills is requesting that the expiration date for the PSD permit be extended from July 31, 2015 to July 31, 2017.

In light of the new Tailoring Rule requirements, the GHGs emitted from the proposed project are subject to PSD review, including a BACT analysis for the GHGs. EPA Region IV is the permitting authority for the GHG-portion of the proposed Shady Hills expansion project under a Federal Implementation Plan (FIP) that became effective on December 30, 2010. On this date, EPA established a FIP authorizing EPA to issue GHG PSD permits in Florida for GHG-emitting sources. The GHG PSD application was submitted to the EPA on September 21, 2012. A summary of the GHG PSD permit processing timeline is as follows:

- The GHG PSD application was submitted to the EPA on September 21, 2012;
- Shady Hills received a Notice of Incompleteness letter from EPA on October 31, 2012;
- Shady Hills submitted a response letter to EPA on November 30, 2012;
- Shady Hills conducted a follow up call with EPA on March 13, 2013;

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**Golder Associates Inc.**  
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- Shady Hills submitted a letter to EPA with supplemental information on March 27, 2013;
- Shady Hills submitted an additional clarification letter on April 8, 2013;
- EPA issued a Notice of Application Completeness on April 11, 2013;
- EPA requested further clarification on June 24, 2013; and
- Shady Hills issued a letter response to EPA on July 26, 2013

It is also our understanding that Shady Hills will not need to re-visit the earlier BACT determinations for those pollutants that were subject to PSD review (i.e., NO<sub>x</sub>, PM and CO). However, it should be noted that a review of the BACT/RACT/LEAR Clearinghouse, as well as our project-specific conditions, indicate that the BACT derterminations would remain unchanged.

Finally, attached is the supporting application form with signed pages from the Authorized Representative and from the licensed PE of record.

If you have any questions, please contact me via telephone at (813) 287-1717 or Mr. Roy Belden at (203) 357-6820 or via electronic mail at [roy.belden@ge.com](mailto:roy.belden@ge.com).

Sincerely,

**GOLDER ASSOCIATES INC.**



Scott Osbourn, PE  
Associate and Practice Group Leader

Enclosure

cc: Kelley Boatwright, FDEP SW District, Air Permitting Section  
Roy Belden, EFS Shady Hills LLC  
Angela Morrison, Hopping Green & Sams, P.A.

**APPLICATION INFORMATION**

**Owner/Authorized Representative Statement**

**Complete if applying for an air construction permit or an initial FESOP.**

1. Owner/Authorized Representative Name : <b>Roy S. Belden, Authorized Signatory</b>
2. Owner/Authorized Representative Mailing Address. Organization/Firm: EFS Shady Hills LLC Street Address: 800 Long Ridge Road City: Stamford State: CT Zip Code: 06927
3. Owner/Authorized Representative Telephone Numbers. Telephone: (203) 357 -6820 ext. Fax: (203) 967-5116
4. Owner/Authorized Representative E-mail Address: roy.belden@ge.com
5. Owner/Authorized Representative Statement:  <i>I, the undersigned, am the owner or authorized representative of the corporation, partnership, or other legal entity submitting this air permit application. To the best of my knowledge, the statements made in this application are true, accurate and complete, and any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department.</i>  <p><u>Roy S. Belden</u> Signature</p> <p><u>9/12/13</u> Date</p>

# APPLICATION INFORMATION

## Professional Engineer Certification

1. Professional Engineer Name: <b>Scott H. Osbourn</b> Registration Number: <b>57557</b>
2. Professional Engineer Mailing Address... Organization/Firm: <b>Golder Associates Inc.**</b> Street Address: <b>5100 West Lemon St., Suite 208</b> City: <b>Tampa</b> State: <b>FL</b> Zip Code: <b>33609</b>
3. Professional Engineer Telephone Numbers... Telephone: <b>(813) 287-1717</b> ext. <b>53304</b> Fax: <b>(813) 287-1716</b>
4. Professional Engineer E-mail Address: <b>sosbourn@golder.com</b>
5. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i> <i>(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</i> <i>(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.</i> <i>(3) If the purpose of this application is to obtain a Title V air operation permit (check here <input type="checkbox"/>, if so), I further certify that each emissions unit described in this application for air permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance plan and schedule is submitted with this application.</i> <i>(4) If the purpose of this application is to obtain an air construction permit (check here <input checked="" type="checkbox"/>, if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here <input type="checkbox"/>, 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.</i> <i>(5) If the purpose of this application is to obtain an initial air operation permit or operation permit revision or renewal for one or more newly constructed or modified emissions units (check here <input type="checkbox"/>, 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.</i>  Signature:  Date: <u>9/13/13</u>  (seal)

\* Attach any exception to certification statement. \*\* Board of Professional Engineers Certificate of Authorization #01901670

