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BUREAU OF AIR REGULATION

September 27, 2001

Mr. Clair Fancy, P.E.  
Chief Bureau of Air Regulation  
Florida Department of Environmental Protection  
111 South Magnolia Drive, Suite 4  
Tallahassee, Florida 32301

Via FedEx  
Airbill No. 7901 6911 7674

**RE: Tampa Electric Company – F.J. Gannon Station  
Title V Permit No. 0570040-014-AV  
Byproduct Beneficiation and Re-use**

*Project No. : 0570040-016-AC*

Dear Mr. Fancy:

This letter and the enclosed non-Prevention Significant Deterioration (PSD) permit application are provided to request permission to combust unmarketable byproduct materials generated at F.J. Gannon Station (Gannon Station). Tampa Electric Company (TEC) presently generates flyash and slag at its Gannon Station as byproducts of the combustion process. The majority of the byproducts that are generated during the combustion of coal at Gannon Station meet marketable terms and conditions and are sold to vendors for re-use. However, portions of the byproduct materials do not meet the vendor specifications and cannot be sold for re-use. These byproduct materials are often high in carbon content and easily beneficiated, making them usable in terms of energy and byproduct recovery. Instead of disposing the material as solid waste off-site, TEC is proposing to beneficiate the byproduct materials on-site and then reintroduce them back into the system for byproduct recovery to capture its remaining fuel value.

The byproduct beneficiation process is a wet process, which will minimize fugitive particulate matter (PM) emissions. Potential fugitive PM and PM<sub>10</sub> emissions are estimated to be less than the significant PM thresholds of 25 and 15 tons per year, respectively. Accordingly, the byproduct beneficiation process does not trigger PSD review. A non-PSD construction permit application is enclosed, so that the process can later be included in the Title V permit.

In addition to submitting this permit application, TEC would like to take this as an opportunity to have Unit ID No. 007 Combustion Turbine No. 1 removed from the Title V Operation Permit. This combustion turbine has been out of service for most of the year and will not be returned to service.

TAMPA ELECTRIC COMPANY  
P. O. BOX 111 TAMPA, FL 33601-0111

(813) 228-4111

AN EQUAL OPPORTUNITY COMPANY  
[HTTP://WWW.TAMPAELECTRIC.COM](http://www.tampaelectric.com)

CUSTOMER SERVICE:  
HILLSBOROUGH COUNTY (813) 223-0800  
OUTSIDE HILLSBOROUGH COUNTY 1 (888) 223-0800

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If you have any questions, please feel free to telephone Raiza Calderon or me at (813) 641-5261.

Sincerely,

*Karen A. Sheffield*

Karen A. Sheffield  
General Manager  
F.J. Gannon Station  
EP\br\RC105

Enclosure

c/enc: Mr. Jerry Campbell, EPCHC  
Ms. Alice Harman, EPCHC  
Mr. Jerry Kissel - FDEP SW  
Mr. Scott Sheplak, FDEP