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DIVISION OF AIR  
RESOURCE MANAGEMENT

February 29, 2012

Mr. Vince Clark, Environmental Specialist III  
Air Resource Management Program  
Northeast District Office  
Florida Department of Environmental Protection  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256-7590

Re: 2011 Annual Facility-Wide NOx Emission Report  
University of Florida Cogeneration Facility  
Florida Power Corporation d/b/a Progress Energy Florida, Inc.  
AC/PSD Permit No: 0010001-011-AC/PSD-FL-181B

Dear Mr. Clark:

Per Specific Condition 22.c of Air Construction (AC)/Prevention of Significant Deterioration (PSD) Permit No. 0010001-011-AC/PSD-FL-181B, Florida Power Corporation d/b/a Progress Energy Florida, Inc. (PEF) submits the NOx emission summary for the University of Florida Cogeneration facility (UF Cogen). Specific Condition 22.c of the reference AC/PSD permit reads as follows:

22.c. Before March 1<sup>st</sup> of 2012, the permittee shall submit a report to the Compliance Authority comparing the 2011 annual NOx emissions for the combustion turbine and duct burner to the estimated baseline actual emission of 114.5 tons/year and the PSD applicability trigger threshold of 154.50 tons/year (114.5 + 40.0 = 154.50 tons/year). This condition becomes obsolete after this reporting requirement is met.

**TABLE 1**  
**UF Cogen Annual NOx Emissions Comparison**

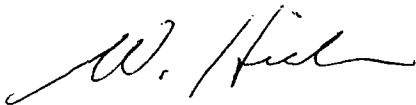
DEP-assigned Emission Unit (EU)	Emission Unit Description	2011 NOx Emissions (Tons/Year)	PSD Applicability Trigger Threshold (Tons/Year)
007 & 005	Combustion Turbine & Heat Recovery Steam Generator w/ Duct Burner	85.5	154.50

Vincent Clark, Air Program, DEP/NED  
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If you have any questions please contact Mr. Chris Bradley by telephone at (727) 820-5962 or via e-mail at [Chris.Bradley@pgnmail.com](mailto:Chris.Bradley@pgnmail.com).

*I, the undersigned, am the reasonable official as defined in Chapter 62-210.200, F.A.C. of the Title V source for which this document is being submitted. I hereby certify that, based on information and belief formed after reasonable inquiry, the statements and information in the attached documents are true, accurate, and complete.*

Sincerely,



Wilson B. Hicks, Jr., P.E.  
Plant Manager

cc: Mr. Jonathon Holtom, P.E, Office of Permitting & Compliance, DARM

bcc: Patty Nemeč, Plant EHSS Staff  
ESS Plant Files, PEF-903

Mr. Jonathan Holtom, P.E.  
Office of Permitting & Compliance  
Division of Air Resource Management  
Florida Department OF Environmental Protection  
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