



TAMPA ELECTRIC

May 23, 2011

Mr. Scott Sheplak  
Florida Department of Environmental Protection  
Division of Air Resource Management  
111 South Magnolia Drive, Suite 4  
Tallahassee, Florida 32301

Via FedEx  
Airbill No. 7947 8567 9527

RECEIVED  
MAY 24 2011  
BUREAU OF  
AIR REGULATION

Re: Tampa Electric Company  
Big Bend Power Station  
Permit No. 0570039-031-AC/0570039-045-AV  
Duct Split PSD Monitoring Report

Dear Mr. Sheplak:

Enclosed is the duct split PSD monitoring report for Big Bend Station. This report has been prepared in accordance with Condition A.14.2 in permit 0570039-031-AC. This condition requires Tampa Electric Company to report the combined emissions from Units 3 and 4 on annual basis for a period of 5 years commencing startup to demonstrate the duct improvements did not increase SO<sub>2</sub> emissions.

The table shows the SO<sub>2</sub> emission baseline and actual emissions through CY 2010. The data shows the actual emissions did not exceed the emission baseline and demonstrates compliance with Condition A.14.2.

Operating Units	SO <sub>2</sub> Actual Emissions Summary (tpy)			
	Baseline <sup>1</sup>	2008	2009	2010
Big Bend Units 3 & 4	7,305.4	5,601.4	6,586.1	5,412.8

<sup>1</sup>Baselines represents the maximum actual emissions for a 24 month consecutive period ending January 2007.

If you have any questions, please call me at (813) 228-4232.

Sincerely,

Robert A. Velasco, P.E., BCEE  
Senior Engineer  
Environmental, Health & Safety