



Via e:mail & U.S. Mail

January 20, 2012

Jeff Koerner – Chief
Bureau of Air Regulation
Division of Air Resources Management
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399

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DIVISION OF AIR
RESOURCE MANAGEMENT

RE: Status Update To FPL's BART-Eligible Units

Dear Mr. Koerner:

Since the 2002 declaration of FPL's BART-eligible units, recent facility changes have altered the composition of our BART-eligible fleet. At FDEP's request, FPL provides the following status update to its BART-eligible fleet:

The conversion of the Cape Canaveral Power Plant to a combined cycle natural gas-fired plant, The Cape Canaveral Energy Center, has removed the fossil steam boilers Cape Canaveral 1&2 from the population of BART-eligible Units. The new combined cycle gas-fired units employ Best Available Control Technology (BACT) as outlined in its Air Construction permit 0090006-0056-AC issued by the Department on July 23, 2009. The former fossil steam boilers, demolished on August 22, 2010 were permitted to burn 2.5% sulfur #6 fuel oil and natural gas. The conversion to highly efficient combined cycle technology using clean-burning natural gas will substantially reduce the visibility impairing emissions of SO₂, NO_x, and Particulate Matter from the site.


The conversion of the Riviera Power Plant to a combined cycle natural gas-fired plant, The Riviera Beach Energy Center, has removed the fossil steam boiler Riviera 4 from the population of BART-eligible Units. Unit 3 at Riviera was not BART-eligible due to its in-service date, but it too was demolished as part of the conversion. The new combined cycle gas-fired units employ Best Available Control Technology (BACT) as outlined in its Air Construction permit 0990042-006-AC issued by the Department on June 10, 2009. The former fossil steam boilers, demolished on June 19, 2011 were permitted to burn 2.5% sulfur #6 fuel oil and natural gas. The conversion to highly efficient combined cycle technology using clean-burning natural gas will substantially reduce the visibility impairing emissions of SO₂, NO_x, and Particulate Matter from the site.

The planned modernization of the Port Everglades Power Plant to a combined cycle natural gas-fired plant will further reduce FPL's BART-eligible fleet. The Port Everglades Energy Center, will remove the fossil steam boilers 3& 4 from the population of BART-eligible Units. Units 1&2 at Port Everglades were not BART-eligible due to their in-service dates, however, they too will be demolished as part of the modernization. The new combined cycle gas-fired units will employ Best Available Control Technology (BACT). The Site Certification Application and the Air Construction Permit Application for the Port

Everglades modernization are expected to be sent to the Department by the end of this month. The fossil steam boilers 1 through 4 are anticipated to be demolished in the first quarter of 2013 prior to the BART compliance deadline of December 31, 2013. The boilers were permitted to burn 2.5% sulfur #6 fuel oil and natural gas. The modernization to highly efficient combined cycle technology using clean-burning natural gas will substantially reduce the visibility impairing emissions of SO₂, NO_x, and Particulate Matter from the site.

These conversions/modernizations along with new unit installations such as the West County Energy Center, Turkey Point Unit 5, Manatee Unit 3, Martin Unit 8, the discontinued operation of Turkey Point 2 and limited operation of Turkey Point 1 have substantially reduced the emissions of visibility impairing pollutants to the Florida airshed in support of the Clean Air Visibility Rule goals.

If you have any questions, or require additional information, please call me at (561) 691-2877.



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Cc: Tom Rogers - FDEP