



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

June 19, 2003

4APT-AEEB

Ms. Shelly Castro
Tampa Electric Company
6944 U.S. Highway 41 N
Apollo Beach, FL 33572

RECEIVED

JUN 23 2003

BUREAU OF AIR REGULATION

Dear Ms. Castro:

The Region 4 office of the U.S. Environmental Protection Agency (EPA) has completed its analysis of issues concerning measures to address Particulate Matter (PM) emissions required at the Big Bend Station under the Consent Decree, Civil Action No. 99-2524 CIV-T-23F (CD). This letter constitutes approval of two plans for control of particulate matter, as specified below.

The plan entitled *Big Bend Generating Station Best Operating Practices for Particulate Matter* (BOP Plan) dated September 2001 is approved. As indicated in paragraph 32A of the CD, Tampa Electric shall operate each Electrostatic Precipitator (ESP) in conformance with this plan and its recommendations within 60 days of the date of this letter.

After review of the revised study entitled *Big Bend Generating Station Best Available Control Technology for Particulate Matter* (BACT Analysis)¹, dated October 2002, and after consideration of various other written and verbal inputs, EPA hereby approves the activities specified in the BACT Analysis and listed, in part, below.

For Big Bend Units 1, 2 and 3:

- Best Available Control Technology (BACT) shall be the installation and operation of items required under Option 1, including Digital PC-based controls, balanced flow, and ash handling system upgrades
- emissions limits for particulate matter for each unit shall be 0.030 lbs/mmBtu as measured in the combined stacks using reference method 5b

¹The magnitude of potential measures that must be taken under the CD to control particulate matter as a result of the BACT Analysis is limited, as described in paragraph 32B of the CD.

For Big Bend Unit 4:

- BACT control technologies shall consist of the installation and operation of items listed in the BACT Analysis including PC-based controls and the ESPert monitoring system
- the emissions limits for particulate matter shall be 0.010 lbs/mmBtu as measured in the combined stack using reference method 5b

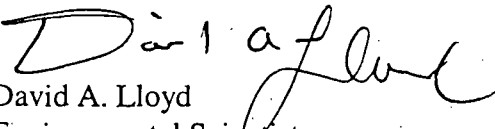
As specified in paragraph 32B of the CD, on or before May 1, 2004, Tampa Electric shall install all equipment and operate each ESP in accordance with the recommendations of the BACT Analysis.

Approval of the BOP Plan and BACT Analysis is subject to the following:

- inclusion of the requirements of the plans in the Title V permit, as called for in paragraph 32D of the CD; and
- implementation of procedures to allocate emissions to specific units using a common stack and to address the fact that units 3 and 4 have differing PM emissions limits, and inclusion of these procedures in the Title V permit

If there are any questions or concerns feel free to call me at (404) 562-9216.

Sincerely,


David A. Lloyd
Environmental Scientist
Air Enforcement Section

cc: Gerald Kissel, DEP
Greg Diangelo, DEP
Sterlin Woodard, HCEPC
Tom Mariani, EPA