

P.E. CERTIFICATION STATEMENT

ERMITTEE

Tampa Electric Company (TEC)
P.O. Box 111
Tampa, Florida 33601-0111

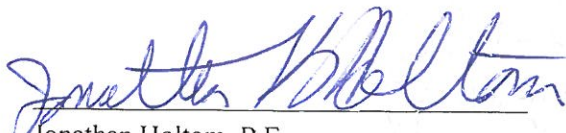
Draft Permit No. 0570039-053-AC
Big Bend Station
Minor Revisions
Hillsborough County, Florida

The project revises several specific conditions of the permits at this facility. The following permits for Boilers, Units 1, 2, 3 and 4 are revised: PSD-FL-040, 0570039-012-AC, 0570039-016-AC, 0570039-020-AC (amended by 0570039-026, -031, -036-AC), 0570039-022-AC (amended by 0570039-035-AC), 0570039-024-AC and 0570039-046-AC. In addition the permit for the simple cycle combustion turbines, Units 4A and 4B, is also revised (0570039-040-AC); and, the solid fuel crushing and blending activities contained in permit 0570039-048-AC. The following list briefly summarizes the revisions addressed by this project:

- *Boilers 1, 2, 3 and 4 (EU 001 through 004):* Reclassify the heat input rating for Unit 4 as "rated design" and not as an absolute limit on short term heat input.
- *Solid Fuel Yard (EU 010) – Conveyors L1 & L2 and M1 & M2 to Coal Bunkers (FH-59-062):* Removes these emission points as regulated units, since they are in an enclosed building, to allow for the removal of the annual testing requirement from the Title V air operation permit.
- *Fuel Blending Bin Rotoclones Collectors and Fuel Mill Rotoclones Collectors (EU 029 and 030) - Particulate Matter Testing:* Revises the permit language to use visible emissions testing instead of PM testing for these units as reasonable assurance of compliance with the intent of the PM RACT requirements. This revision will allow for the removal of the annual testing requirement from the Title V air operation permit.
- *Identification of Alternate Methods of Operation of the Boilers:* Establishes supplemental injection of different materials for boiler conditioning and energy recovery, as needed, as an allowable method of Operation.
- *Simple Cycle Combustion Turbines Emission Limits (SCCT) (EU 041 and 042):* Eliminates the numerical decimal figures to reflect 40 CFR, NSPS – Subpart KKKK standard limits for NO_x emissions.
- *Simple Cycle Combustion Turbines Data Exclusion Times (EU 041 and 042):* Increases the minutes allowed for the CEMS data exclusions time from 10 minutes to 15 minutes during a startup episode.
- *Facility Black Start Testing Provisions (EU 041 and 042):* Authorizes TECO to periodically simulate facility black start conditions as an allowable method of operation. Allows the exclusion of up to 8 hours of CEMS data that indicates excess emissions as a result of these periodic reliability tests.

This project is subject to the general preconstruction review requirements in Rule 62-212.300, Florida Administrative Code (F.A.C.) and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality. The Department's full review of the project and rationale for issuing the draft permit is provided in the Technical Evaluation and Preliminary Determination.

I HEREBY CERTIFY that the air pollution control engineering features described in the above referenced application and subject to the proposed permit conditions provide reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4 and 62-204 through 62-297. However, I have not evaluated and I do not certify any other aspects of the proposal (including, but not limited to, the electrical, civil, mechanical, structural, hydrological, geological, and meteorological features).


Jonathan Holtom, P.E. 7/9/12
Registration Number 52664 (Date)