

P.E. CERTIFICATION STATEMENT

PERMITTEE

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

Draft Permit No. 0570039-057-AC
Big Bend Station
Supplemental Materials Conveyor
Hillsborough County, Florida

PROJECT DESCRIPTION

This permit authorizes the construction of a supplemental material handling conveyor system (J3 Conveyor System) at the Big Bend Station. The J3 Conveyor System may be utilized to feed coal, coal blends, and supplemental coal additives. Heavy equipment, such as bull dozers or similar equipment, will advance coal, coal blends or supplemental coal additives to the grizzly in-feed hopper (FH-100 and FH-101, dozer operations and grizzly hopper fugitive emissions) from the south coal pile. The material is fed by the grizzly hopper onto a 72" covered belt conveyor (FH-101) and is then conveyed to a 54" covered belt conveyor (FH-102). Finally, the coal, or supplemental material, will be conveyed to a new enclosed hopper at the existing K feeders (FH-103) (which feed into the existing enclosed L1 and L2 conveyors). The combination of the grizzly hopper, the 72" belt conveyor and the 54" belt conveyor will be collectively referred to as the J3 Conveyors. All drop points within the new conveyor system will be completely enclosed with no regular emissions to the atmosphere. The fugitive particulate emissions from the proposed supplemental material handling conveyor system are less than 5 tons per year. The proposed conveyors will be enclosed and covered to minimize fugitive emissions during conveyance. This new emissions unit and associated emissions points are subject to applicable requirements of 40 CFR 60, Subpart Y - Standards of Performance for Coal Preparation Plants, adopted by reference in Rule 62-204.800(8) (b)22., F.A.C.; and, to Rule 62-296.320(4)(c), F.A.C., Unconfined Emissions of Particulate Matter. This emission unit and associated emissions points are also subject to the Hillsborough County Environmental Protection Commission (HCEPC) Rules, Chapter 1-3, Stationary Air Pollution Sources and Ambient Air Quality Standards; specifically Part 5, Rule 1-3.52, Visible Emissions. In addition, this new emission unit and associated emissions points are subject to applicable requirement of Rule 62-296.700 Reasonable Available Control Technology (RACT) and RACT Rule 62-296.711 Materials Handling, Sizing, Screening, Crushing and Grinding Operations; because Rule 1-3.51, Particulate Matter Emissions of the HCEPC requires new emissions units to be subject to the Department RACT rule.

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
Jonathan Holtom, P.E.
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(Date) 5/2/12

