

P.E. CERTIFICATION STATEMENT

PERMITTEE

Progress Energy Florida, Inc.

Hines Energy Complex
7700 County Road 555
Bartow, Florida 33830

Permit No. 1050234-018-AC/PSD-FL-195E,
PSD-FL-296D, PSD-FL-330C, PSD-FL-342A
Facility 1050234
Hines Energy Complex
Air Construction Permit and Revision
Polk County, Florida

PROJECT DESCRIPTION


This Air Construction Revision Permit project is to incorporate additional operating conditions to the existing power blocks as requested by the applicant.

This facility has a total generating capacity of approximately 2,090 megawatts (MW) and is a major source of hazardous air pollutants (HAP). This facility consists of: four power blocks (1, 2, 3 and 4), each with two combined cycle combustion turbines (CT) with unfired heat recovery steam generators (HRSG); a 99 million British thermal unit per hour (MMBtu/hr) auxiliary boiler; two fuel oil storage tanks; and a diesel-fired emergency fire pump engine. Emissions from each CT and HRSG combination are vented through a single stack. The combustion turbines may fire fuel oil or natural gas. Nitrogen Oxide (NO_x) emissions are monitored by continuous emissions monitors (CEMS) for Power Block 1 and NO_x and Carbon Monoxide (CO) emissions are monitored by CEMS for Power Block 2, 3 and 4.

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 fully reviewed the application and concurs with the conditions as stated in this Air Construction Permit.

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 aspects of the proposal outside of my area of expertise (including, but not limited to, the electrical, mechanical, structural, hydrological, geological, and meteorological features).

This review was conducted by Kris Lanh, Engineering Specialist II under my responsible supervision.


Jonathan K. Holtom, P.E.
Registration Number: 0052664

Date: 4/5/12