



Via Airborne Express
Airbill No. 3730791971

December 18, 1997

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**BUREAU OF
AIR REGULATION**

Mr. Alvaro Linero, P. E.
Administrator Resource Review Section
Division of Air Resources Management
Florida Department of Environmental Protection
2600 Blair Stone Road - MS 5505
Tallahassee, FL 32399-2400

RE: Stanton Energy Center, Unit No. 2 (PA 81-14/SA1)

Dear Mr. Linero:

The Orlando Utilities Commission is requesting approval from the Department to conduct a "Test Burn Program" using a blend of petroleum coke and our normal coal at the Stanton Energy Center, Unit No. 2 (SEC-2). SEC-2 is a 474 MW, wall fired, dry bottom boiler that began commercial operation in June, 1996, and is equipped with the following pollution control equipment:

- * Selective Catalytic Reduction for NO_x control,
- * Electrostatic Precipitator for PM control, and
- * Wet Limestone Scrubber for SO₂ control.

For the trial burn, we will combust blends of 5%, 10%, 15%, and 20% petroleum coke having a sulfur content of 7% maximum. If 7% petroleum coke is not available for the trial burn, we intend to blend sufficient petroleum coke to obtain the equivalent 7% sulfur blends at 5, 10, 15, & 20 percent. We would like to conduct this trial burn beginning February 1, 1998 and continue for approximately 30 days. The Spring '98 outage for SEC-2 is scheduled during March which will allow us to examine the inside of the boiler immediately after the test to evaluate any effects from firing the blended fuel.

The testing will be conducted to evaluate the performance of the unit and emissions control equipment while firing the blend of pet coke and coal. We will initially test with lower percentage of pet coke/coal to assure emissions remain within permitted limits. We project the test will require the combustion of approximately 15,000 tons of pet coke during the testing period.

Mr. Alvaro Linero
December 18, 1997
Page 2

The data from the CEM system will be correlated to the percentage pet coke combusted to evaluate removal efficiencies.

Thank you for your consideration and please call me at 407/423-9141 if any further information is required.

Very truly yours,



Gregory A. DeMuth, Director
Environmental Division

GAD:rc

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cc: EPA
NPS
Orange Co.

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