



Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Colleen M. Castille
Secretary

March 27, 2006

CERTIFIED MAIL- Return Receipt Requested

Mr. Byron Burrows, P.E. BCEE
Manager- Air Programs
Environmental, Health, and Safety
Tampa Electric Company
P.O. Box 111
Tampa, FL 33601-0111

Re: Request to Conduct Performance Tests while firing syngas derived from Petcoke and Coal and Petcoke at Polk Power Station Unit 1

Dear Mr. Burrows,

The Department received your application on March 2, 2006, requesting permission to conduct performance tests while firing syngas derived from petcoke and coal and petcoke in Unit 1. At this time, the application is deemed incomplete. The following information is needed to process your application:

1. The facility states it will not be increasing any of its current emission standards. It also states the emissions from the combustion turbine (CT) and sulfuric acid plant (SAP) will not significantly increase emissions from the use of 100% petcoke which would trigger the Prevention of Significant Deterioration (PSD) significant emission rates as defined in 62-210.200 (Definitions), F.A.C. Provide the actual and potential emissions from the CT and SAP for each of the criteria pollutants and sulfuric acid mist (SAM) with the unit firing 60% petcoke/40% coal mix and 100% petcoke.
2. Explain why the baseline test will be firing up to 3.5% sulfur petcoke when all other testing will be firing up to 6% sulfur petcoke. What petcoke/coal mix does the plant typically use? What is the typical petcoke sulfur content?
3. Since 2001, the facility's average reported emissions for CO, NOx, lead, PM, SO2, VOC and SAM are 55, 557, .019, 47, 1065, 9, and 95 tpy respectively. Discuss any increases that may occur with 100% petcoke gasification.

Permits applicants are advised that Rule 62-4.055(1), F.A.C. requires applicants to respond to requests for information within 90 days. If you have any questions regarding this request for additional information, please contact Bobby Bull at Robert.Bull@dep.state.fl.us or (850) 921-9585.

Sincerely,

Jeffery F. Koerner
North Permitting Administrator

JFK/rlb
cc: Mara Nasca, DEP-SWD

"More Protection, Less Process"

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Mr. Byron Burrows
 Tampa Electric Company
 Post Office Box 111
 Tampa, Florida 33601-0111

2. Article Number

(Transfer from service label)

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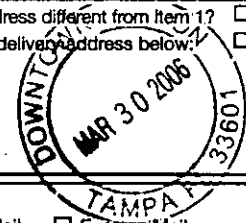
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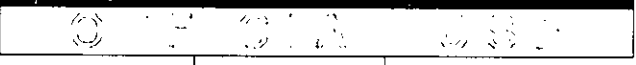
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