

December 20, 1994

Mr. Hamilton S. Oven, P.E.
Administrator, Siting Coordination Office
Florida Dept. of Environmental Protection
3900 Commonwealth Blvd.
Tallahassee, FL 32399-3000



RE: Request to Conduct a Test Burn of Petroleum Coke/Bituminous Blend in St. Johns River Power Park's (SJRPP) Unit #1, Site Certification No. PA 81-13 and PSD-FL-010.

Dear Mr. Oven:

Pursuant to your December 13, 1994 telephone conversation with Jay Worley, SJRPP Sr. Environmental Engineer, SJRPP requests to conduct a petroleum coke/bituminous coal mixture test burn commencing February 01, 1995. The test burn is anticipated to be completed by March 03, 1994 in order to inspect operational equipment during the scheduled Unit 1 outage which commences March 04, 1995.

Approximately 10,000 tons of petroleum coke will be mixed with bituminous coal to achieve mixtures up to 20% petroleum coke. Please refer to Attachment A for an example of the analytical data for the type of petroleum coke SJRPP intends to test burn.

Please contact Jay Worley at (904) 751-7729 if you have any questions or require any additional information regarding this request.

Very truly yours,

Richard Breitmoser, P.E.
Division Chief
Environmental Affairs Division

RB/JAW/pct

xc: C. Fancy, FDEP
E. Frey, FDEP
W. Tutt, RESD
J. Worley, SJRPP

ATTACHMENT A

American Council of Independent Laboratories
American Society for Testing and Materials
Hampton Roads Maritime Association
National Fire Protection Association
Marine Chemist Association



December 8, 1994

Sample of: TYPICAL 4" X 0 PETROLEUM COKE;
AMOCO - YORKTOWN, VIRGINIA
From: Louisiana Carbon
Date Sampled: Week of December 4, 1994

Quality "As Received"	"As Received" Guaranteed Quality
Heat Content (Btu/lb)	14000 minimum
Hardgrove Grindability	60 minimum
Proximate Analysis (% by weight)	
Volatile Matter	12 - 13.5
Fixed Carbon	75 - 79
Ash	0.75 maximum
Moisture	10 maximum
Ultimate Analysis (% by weight)	
Carbon	89.50 DCB
Hydrogen	4.00 DCB
Sulphur	4.00 As Received
Oxygen	4.25 DCB
Nitrogen	1.45 DCB
Chlorine	<0.01

Respectfully submitted,

by Robert F. Lanier
Robert F. Lanier



611 HOWMET DRIVE
HAMPTON, VIRGINIA 23661
(804) 826-5310 FAX: (804) 827-1366

Hampton Roads Testing Laboratories, Inc.



December 12, 1994

Sample of: TYPICAL 4" X 0 PETROLEUM COKE;
ANOCO - YORKTOWN, VIRGINIA
From: Louisiana Carbon
Date Sampled: Week of December 4, 1994

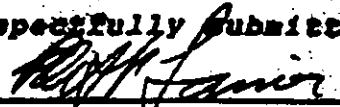
PETROLEUM COKE
MINERAL ANALYSIS OF ASH
DRY BASIS

Mineral	Percent
Calcium Oxide	2.4 - 3.0
Magnesium Oxide	0.5 - 1.0
Potassium Oxide	0.4 - 0.9
Iron Oxide	4.0 - 6.0
Sodium Oxide	0.7 - 1.2
Aluminium Oxide	6.5 - 10.0
Silicon Dioxide	16.0 - 22.0
Titanium Dioxide	0.3 - 0.8
Manganese Dioxide	0.04 - 0.09

METAL DETERMINATION
OF PETROLEUM COKE

Vanadium 1400 - 2000 ppm
Nickel 200 - 350 ppm

Respectfully Submitted,

by 
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Marathon Roads Testing Laboratories, Inc.