



the southern electric system

May 20, 1991

Mr. Roosevelt Childress, Chief  
South Area Permits Unit  
United States Environmental Protection Agency  
Region IV  
345 Courtland Street, N.E.  
Atlanta, Georgia 30365

Dear Mr. Childress:

BASE/NEUTRAL ANALYTICAL RESULTS

Crist Plant NPDES FL0002275  
Scholz Plant NPDES FL0002283

In accordance with your May 6, 1991 letter, attached are the results of base/neutral analyses on ash pond discharge samples at the referenced plants.

As expected, all results are below detection levels. If you should have any questions, please do not hesitate to contact me.

Sincerely,

Michael F. Oaks  
Senior Environmental Affairs  
Specialist

rc/1088F

Attachment

cc: R. L. Allen  
M. L. Gilchrist  
C. R. Lee  
W. T. Lyford  
P. Parker  
J. O. Vick

Received on 05/29/91 B&D

LOG NO: M1-21153

Received: 06 MAY 91

Mr. Pat Parker  
Gulf Power Company, Scholz Plant  
Route 1, Box 234A  
Sneads, FL 32460

Purchase Order: B-91-000245

CC: Mr. Raymond Walden

## REPORT OF RESULTS

Page 1

| LOG NO                            | SAMPLE DESCRIPTION , LIQUID SAMPLES | SAMPLED BY |
|-----------------------------------|-------------------------------------|------------|
| 21153-1                           | Scholz Ashpond Discharge 05/02/91   | Client     |
| PARAMETER                         | 21153-1                             |            |
| Base Neutral Compounds            |                                     |            |
| Acenaphthene, ug/l                | <10                                 |            |
| Acenaphthylene, ug/l              | <10                                 |            |
| Anthracene, ug/l                  | <10                                 |            |
| Benzidine, ug/l                   | <80                                 |            |
| Benzo(a)Anthracene, ug/l          | <10                                 |            |
| Benzo(a)pyrene, ug/l              | <10                                 |            |
| 3,4-Benzofluoranthene, ug/l       | <10                                 |            |
| Benzo(g,h,i)perylene, ug/l        | <10                                 |            |
| Benzo (k) Fluoranthene, ug/l      | <10                                 |            |
| bis(2-Chloroethoxy) methane, ug/l | <10                                 |            |
| bis(2-Chloroethyl) ether, ug/l    | <10                                 |            |
| Bis(2-chloroisopropyl)ether, ug/l | <10                                 |            |
| bis(2-Ethylhexyl) phthalate, ug/l | <10                                 |            |
| 4-Bromophenyl-phenyl-ether, ug/l  | <10                                 |            |
| Butylbenzylphthalate, ug/l        | <10                                 |            |
| 2-Chloronaphthalene, ug/l         | <10                                 |            |
| 4-Chlorophenyl-phenyl ether, ug/l | <10                                 |            |
| Chrysene, ug/l                    | <10                                 |            |
| Dibenz(a,h)anthracene, ug/l       | <10                                 |            |
| 1,2-Dichlorobenzene, ug/l         | <10                                 |            |
| 1,3-Dichlorobenzene, ug/l         | <10                                 |            |
| 1,4-Dichlorobenzene, ug/l         | <10                                 |            |
| 3,3'-Dichlorobenzidine, ug/l      | <20                                 |            |

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|--------------------------------------------|-------------------------------------|------------|
| 21153-1                                    | Scholz Ashpond Discharge 05/02/91   | Client     |
| PARAMETER                                  | 21153-1                             |            |
| Diethylphthalate, ug/l                     | <10                                 |            |
| Dimethylphthalate, ug/l                    | <10                                 |            |
| Di-n-butylphthalate, ug/l                  | <10                                 |            |
| 2,4-Dinitrotoluene, ug/l                   | <10                                 |            |
| 2,6-Dinitrotoluene, ug/l                   | <10                                 |            |
| Di-n-octylphthalate, ug/l                  | <10                                 |            |
| 1,2-Diphenylhydrazine, ug/l                | <10                                 |            |
| Fluoranthene, ug/l                         | <10                                 |            |
| Fluorene, ug/l                             | <10                                 |            |
| Hexachlorobenzene, ug/l                    | <10                                 |            |
| Hexachlorobutadiene, ug/l                  | <10                                 |            |
| Hexachlorocyclopentadiene, ug/l            | <10                                 |            |
| Hexachloroethane, ug/l                     | <10                                 |            |
| Indeno (1,2,3-cd)pyrene, ug/l              | <10                                 |            |
| Isophorone, ug/l                           | <10                                 |            |
| Naphthalene, ug/l                          | <10                                 |            |
| Nitrobenzene, ug/l                         | <10                                 |            |
| N-Nitrosodimethylamine, ug/l               | <10                                 |            |
| N-Nitrosodi-N-Propylamine, ug/l            | <10                                 |            |
| N-Nitrosodiphenylamine/Diphenylamine, ug/l | <10                                 |            |
| Phenanthrene, ug/l                         | <10                                 |            |
| Pyrene, ug/l                               | <10                                 |            |
| 1,2,4-Trichlorobenzene, ug/l               | <10                                 |            |

# SL SAVANNAH LABORATORIES

& ENVIRONMENTAL SERVICES, INC.

900 Lakeside Drive • Mobile, Alabama 36693-5118 • (205) 666-6633 • Fax (205) 666-6696

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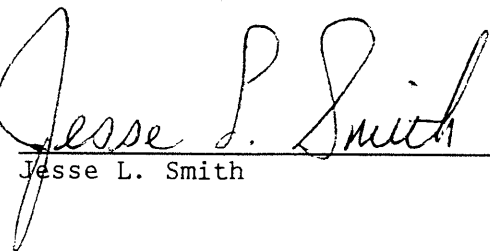
CC: Mr. Raymond Walden

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| LOG NO                           | SAMPLE DESCRIPTION , LIQUID SAMPLES | SAMPLED BY |
|----------------------------------|-------------------------------------|------------|
| 21153-1                          | Scholz Ashpond Discharge 05/02/91   | Client     |
| PARAMETER                        | 21153-1                             |            |
| Acid Extractable Organics        |                                     |            |
| 2-Chlorophenol, ug/l             | <10                                 |            |
| 2,4-Dichlorophenol, ug/l         | <10                                 |            |
| 2,4-Dimethylphenol, ug/l         | <10                                 |            |
| 4,6-Dinitro-2-methylphenol, ug/l | <50                                 |            |
| 2,4-Dinitrophenol, ug/l          | <50                                 |            |
| 2-Nitrophenol, ug/l              | <10                                 |            |
| 4-Nitrophenol, ug/l              | <50                                 |            |
| p-Chloro-m-cresol, ug/l          | <10                                 |            |
| Pentachlorophenol, ug/l          | <50                                 |            |
| Phenol, ug/l                     | <10                                 |            |
| 2,4,6-Trichlorophenol, ug/l      | <10                                 |            |

REFERENCE: EPA 40 CFR Part 136

  
Jesse L. Smith

ATTACHMENT B  
 Gulf Power Company - Scholz Generating Plant  
 NPDES Permit No. FL0002283  
 Ash Pond OSN 002

|                        | <u>AVERAGE</u> |             |             |             |                | <u>MAXIMUM</u> |             |             |             |                |
|------------------------|----------------|-------------|-------------|-------------|----------------|----------------|-------------|-------------|-------------|----------------|
|                        | <u>FLOW</u>    |             | <u>TSS</u>  |             | <u>O&amp;G</u> | <u>FLOW</u>    |             | <u>TSS</u>  |             | <u>O&amp;G</u> |
| <u>Waste Stream</u>    | <u>MGD</u>     | <u>mg/l</u> | <u>lb/d</u> | <u>mg/l</u> | <u>lb/d</u>    | <u>MGD</u>     | <u>mg/l</u> | <u>lb/d</u> | <u>mg/l</u> | <u>lb/d</u>    |
| Ash Sluice Water       | 0.5430         | 30.00       | 135.94      | 15.00       | 67.97          | 0.5430         | 100.00      | 453.13      | 20.00       | 90.63          |
| Bldg. & Yard Sumps     | 0.7200         | 30.00       | 180.25      | 15.00       | 90.13          | 0.7200         | 100.00      | 600.84      | 20.00       | 120.17         |
| Treated Metal Cleaning |                |             |             |             |                |                |             |             |             |                |
| Waste                  | 0.0000         | 30.00       | 0.00        | 15.00       | 0.00           | 0.0000         | 100.00      | 0.00        | 20.00       | 0.00           |
| Coal Pile Runoff       | 0.6000         | 0.00        | 0.00        | 0.00        | 0.00           | 0.6000         | 50.00       | 0.00        | 0.00        | 0.00           |
| Flow Weighted Limits   | 1.8630         | 20.34       | 316.19      | 10.17       | 158.10         | 1.8630         | 67.79       | 1053.97     | 13.56       | 210.80         |

The flow for coal pile runoff was calculated using a 10-year, 24-hour rainfall event of 7.5 inches falling over an area of 5.9 acres. A coefficient of runoff equal to 0.5 was assumed.