Preliminary Report on Coal Pile, Coal Pile Runoff Basins, and Ash Basins at the Savannah River Site: Effects on Groundwater

by

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**PRELIMINARY REPORT
ON
COAL PILE, COAL PILE RUNOFF BASINS
AND
ASH BASINS at the
SAVANNAH RIVER SITE:
EFFECTS on GROUNDWATER**

December 1989

**Westinghouse Savannah River Company
Power Engineering Department
Building 777-10A**

EXECUTIVE SUMMARY

The coal piles at Savannah River Site should be studied and a site assessment conducted. Power Engineering recommends the addition of four monitor wells at each active coal pile and also an EP TOX test on coal from each active coal pile.

Analytical data from previous studies exist for the coal pile runoff basins. Results from monitor wells indicate elevated levels of sulfate, iron, nickel, total organic carbon, chromium, cadmium, lead, arsenic, and selenium. Preliminary results of soil analyses at each coal pile runoff basin are included in this report.

Only two ash basins at SRS have monitor wells (D- and K-Area). Recommendations are made to install monitor wells at the other three active ash basins and piles (A-, H-, and P-Areas).

ABSTRACT

Coal storage piles, their associated coal pile runoff basins and ash basins could potentially have adverse environmental impacts, especially on groundwater. This report presents and summarizes SRS groundwater and soil data that have been compiled. Also, a result of research conducted on the subject topics, discussions from noted experts in the field are cited. Recommendations are made for additional monitor wells to be installed and site assessments to be conducted.

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INTRODUCTION

Unlined coal piles have been known to negatively impact surface waters and groundwater (Cross, 1981; Davis and Boegly, 1981; Huntington, 1981; Anderson, et al., 1976). Cross (1986, p. 35) stated "...the existence of a coal pile means there is either a water pollution problem or a water treatment problem". Even though it has been known for some time that coal pile leachate (runoff) is a potentially serious problem, the situation in general has not been well studied (Anderson, W. C. and Youngstrom, M. P., 1976; Davis and Boegly, 1981). The Savannah River Site has five active coal piles which have been in continuous use for 35 to 37 years and four inoperative coal piles which operated for 12 to 32 years. Table 1 lists the coal pile area in acres, average storage in tons, and years of operation for each area. Between 1978 and 1981 Coal Pile Runoff Containment Basins (CPRCB) were installed at SRS to collect the surface runoff from the coal piles (Bledsoe, H. W., 1989). Table 2 lists the area in acres, capacity in cubic feet, status, and date of construction for each coal pile runoff basin. Power Engineering is currently evaluating (through use of existing data) the impacts of these coal piles and coal pile runoff basins on the groundwaters and soils at SRS and, also, recommends that more in depth studies be initiated.

Residue from the burning of coal includes bottom ash and fly ash. Fly ash is the material which enters the flue gas stream and is usually trapped with dust collectors or electrostatic precipitators (Adriano, D. C., et al., 1980; Page, A. L., et al., 1979). The other type of residue is the bottom ash, which is ash and slag remaining in the fire box (Adriano, D. C., et al., 1980; Page, A. L., et al., 1979). Adriano et al. (1980, p. 333) state that, "Since coal residues contain potentially hazardous substances, improper handling and disposal could cause undesirable environmental effects." This report attempts to summarize some of the available information concerning coal piles, coal pile runoff basins, and ash basins at SRS, as well as make recommendations for future studies.

SOURCE OF CONTAMINATION (RESEARCH MATERIAL)

Coal piles contain varying amounts of metal sulfides, primarily iron disulfide minerals such as pyrite and marcasite (Wachter, R. A. and Blackwood, T. R., 1978). Exposure to atmospheric moisture (rain) and oxygen results in the oxidation of metal sulfides to sulfates which combine with water to form sulfuric acid and ferric compounds (Wachter, R. A. and Blackwood, T. R., 1978; Cross, F. L., 1981; Huntington, R. L., 1981). The sulfuric acid is able to leach many elements out of coal which may infiltrate to groundwater or be carried with runoff waters (Cross, F. L., 1981; Davis and Boegly, 1981). Evaporation of surface water during warm weather concentrates the acids, and the acid generation rate is at a maximum during this time (Huntington, R. L., 1981). Bacteria that grow within the coal pile are also known to produce significant quantities of sulfuric acid (Bledsoe, H. W., 1989).

Fly ash contains every naturally occurring element, and land disposal tends to allow many elements to become mobile and enter into the groundwater (Page, A. L., et al., 1979; Adriano, D. C., et al. 1980). Physical and chemical weathering of the ash occurs during storage in ash basins, allowing increased leaching of soluble materials, especially under moist conditions (Adriano, D. C., et al., 1980; Page, A. L., et al., 1979).

TYPES OF CONTAMINATION (RESEARCH MATERIAL)

Coal pile runoff waters are known to contain pollutants due to the leaching phenomena discussed above. High concentrations of inorganic and organic pollutants have been documented (Davis and Boegly, 1981; Wachter, R. A. and Blackwood, T. R., 1978). In general elevated levels of Al (aluminum), NH_3 (ammonia), As (arsenic), chlorides, Cr (chromium), Cu (copper), Fe (iron), Mn (manganese), P (phosphorous), Pb (lead), sulfates, TDS (total dissolved solids), Zn (zinc) and low pH values are found in coal pile runoff water (Anderson, W. C. and Youngstrom, M. P., 1976; Davis and Boegly, 1981; Huntington, R. L., 1981; Cross, F. L., 1981). Table 3 is a compilation of typical values for these parameters measured in coal pile runoff waters.

Coal and fly ash contain every naturally occurring element (Page, A. L., et al., 1979). Adriano, et al. (1980, p.334) state, "Because of their elevated trace element concentrations, coal ashes are considered a potentially hazardous substance; this makes assessments of possible environmental impacts from coal and its resultant residues essential."

Volatile elements such as Hg (mercury), Se (selenium), Sb (antimony), As (arsenic), Cl (chlorine), F (fluorine), and I (iodine) are, in general, greatly enriched in fly ash (Page, A. L., et al., 1979). The trace elements As (arsenic), Hg (mercury), Cd (cadmium), Sn (tin), Sb (antimony), Pb (lead), Zn (zinc), Tl (thallium), Ag (silver), and Bi (bismuth) are significantly more mobile in the environment after combustion than in the raw coal itself (Page, A. L., et al., 1979). In general, trace element concentrations increase as the ash particle size decreases (Page, A. L., et al., 1979; Adriano, D. C., et al., 1980). A significant number of trace elements are available for leaching to the environment from coal fly ash.

STUDIES CONDUCTED AT SAVANNAH RIVER SITE

Coal Piles

The coal piles at Savannah River Site have not been specifically studied with regard to their impact on the groundwater and/or soils. No soil or groundwater samples have been collected from beneath any coal piles at SRS. Also, there are no groundwater monitoring wells around any of the coal piles at SRS. D-Area has two coal pile runoff basin monitoring wells (DCB-6 and DCB-7) that are located downgradient from and close to the 484-D coal pile. Sampling of these two monitor wells began during 4th quarter 1987. Groundwater samples collected from these wells show elevated levels of sulfate, iron, chromium, cadmium, and possibly arsenic and lead. The pollutants found in these wells are almost certainly influenced by the coal pile. However, it cannot be determined whether the impact is mainly from the coal pile or the runoff basin.

Coal Pile Runoff Basins

The coal pile runoff basins have been investigated much more extensively than the coal piles. Each of the existing coal pile runoff basins (A, C, D, F, H, K, and P-Area) have had monitor wells surrounding the basins since 1986. Figures 1- 5 show the locations of the coal pile runoff basins in relation to the five active coal piles and the monitor wells surrounding each basin.

Power Engineering had samples of A, D, and P-Area coal pile runoff water collected and analyzed in December 1978 and March 1979. These results are found in Appendices A-5, B-5 and E-5 respectively. Analysis of these results indicate a number of parameters which were out of the primary and secondary drinking water standard range. The coal pile runoff water

to each active coal pile runoff basin was analyzed in October 1985. Table 4 shows the results of these analyses compared to DWS (drinking water standards) and EP TOX (Extraction Procedure Toxicity). The results were compared to EP TOX, apparently, as a first approximation as to what would be expected from an EP TOX test of coal. The similarity being leaching of material from the coal by an acid solution and analysis of the extract or runoff. Sampling of these runoff waters indicated low pH values and elevated concentrations of sulfate, total dissolved solids (TDS), cadmium, iron, and manganese.

Power Engineering had soil samples collected and analyzed from beneath all coal pile runoff basins in June 1988. Preliminary results of these soil samples are presented in Appendices A-E. Additional time to study this data is required before Power Engineering can make any interpretations regarding any possible soil contamination. Preliminary assesment of this data indicates no significantly elevated parameters.

A-Area Coal Pile Runoff Basin

Appendix A-1 lists the quarterly results (1stQ 1986-4thQ 1988) from ACB monitor wells (ACB-1A to ACB-4A) and indicates no parameters above drinking water standards. Of all the coal pile runoff basin monitor wells A-Area has the wells with constituents closest to background.

Water elevation and flow direction are presented in Appendix A-2. In general the groundwater flow direction appears to be northeast. This would suggest that monitor well ACB-1A should show the most elevated levels of the constituents graphed in Appendix A-3. However, monitor well ACB-3A has the more elevated level of constituents, perhaps indicating that the direction of groundwater flow is not accurately determined.

Soil analyses from the A-Area coal pile runoff basin are presented in Appendix A-4.

Appendix A-5 shows the results of the A-Area coal pile runoff waters. arsenic, chromium, iron, selenium, cadmium, sulfate and pH were all found to be out of range for primary or secondary drinking water standards. In addition, elevated levels of dissolved solids, vanadium, copper, nickel, and zinc are noted.

D-Area Coal Pile Runoff Basin

) Appendix B-1 lists quarterly results (1stQ 1986-4thQ 1988) from DCB monitor wells (DCB-1A to DCB 5A and DCB-6 to DCB-16). A number of parameters above drinking water standards have been detected. Sulfate, iron, chromium, cadmium, lead, nickel, arsenic and selenium are significantly elevated. DCB-1A is the well with the most elevated constituents, including sulfate, iron, nickel, total organic carbon, chromium, cadmium, lead, and selenium.

Water elevation and flow direction are presented in Appendix B-2. The groundwater flow is generally toward the west. DCB-1A has been affected by both the coal pile and the coal pile runoff basin. Other wells nearby should show similar impact, but they do not. The reason is probably due to the complicated geology in D-Area. Shallow, discontinuous confining layers partition the aquifers in this region complicating flow patterns (personal communication, C. Carlson, 1989). The graphs in Appendix B-3 clearly show the contamination of DCB-1A as the worst case, with DCB-14 or DCB-12 arguably the second most affected well. Well DCB-14 is scheduled to be removed and replaced with a new monitor well due to improper installation.

Appendix B-4 shows the locations where the D-Area coal pile runoff containment basin soil samples were collected and the results of the analyses.

Appendix B-5 shows the results of the D-Area coal pile runoff waters. arsenic, chromium, iron, selenium, sulfate and pH were all found to be out of range for primary or secondary drinking water standards. In addition, elevated levels of dissolved solids, vanadium, copper, nickel, and zinc are noted.

H-Area Coal Pile Runoff Basin

Appendix C-1 lists quarterly results (1stQ 1986-4thQ 1988) from HCB monitor wells (HCB-1 to HCB 4). A number of parameters above drinking water standards have been detected. Sulfate, iron, cadmium and lead are significantly elevated. Monitor well HCB-2 has the highest concentration of measured constituents.

Water elevation and flow direction are indicated in Appendix C-2. Groundwater flow appears to be northeast. Groundwater flow in this direction should result in HCB-1 or HCB-4 showing the most elevated levels of measured constituents. However, from the graphs in Appendix C-3 clearly show that HCB-2 has the worst water quality. This indicates that the direction of groundwater flow is different than it appears to be or there is another source upgradient from the HCB monitor wells that is resulting in an environmental impact.

Appendix C-4 shows the locations where the H-Area coal pile runoff containment basin soil samples were collected and the results of the analyses.

K-Area Coal Pile Runoff Basin

Appendix D-1 lists quarterly results (1stQ 1986-4thQ 1988) from KCB monitor wells (KCB-1 to KCB 4). Sulfate is the only parameter above drinking water standards detected. The highest sulfate values are found in KCB-3. Barium levels are also elevated in KCB-3, but are not close to drinking water standards.

Water elevation and flow direction are depicted in Appendix D-2. Groundwater flow is generally northwest, toward KCB-3. The graphs in Appendix D-3 indicate that in general, KCB-3 has the poorest water quality of the KCB wells.

Appendix D-4 shows the locations where the K-Area coal pile runoff containment basin soil samples were collected and the results of the analyses.

P-Area Coal Pile Runoff Basin

Appendix E-1 lists quarterly results (1stQ 1986-4thQ 1988) from PCB monitor wells (PCB-1A to PCB 4A). A number of parameters above drinking water standards have been detected. Sulfate, iron, nickel, chromium, cadmium, and lead are significantly elevated. Monitoring well PCB-3A has the most elevated constituents.

Water elevation and flow direction are indicated in Appendix D-2. Groundwater flow appears to be west to southwest. Groundwater flow in this direction should result in PCB-2A or PCB-3A having the largest impact. This is supported by the graphs presented in Appendix E-3, which show DCB-3A with higher concentrations of selected constituents.

Appendix E-4 shows the locations where the P-Area coal pile runoff containment basin soil samples were collected and the results of the analyses.

Appendix A-5 shows the results of the A-Area coal pile runoff waters. arsenic, chromium, iron, selenium, sulfate and pH were all found to be out of range for primary or secondary drinking water standards. In addition, elevated levels of dissolved solids, vanadium, copper, nickel, and zinc are noted.

Ash Basins

The ash basins at Savannah River Site have been studied in more detail than either the coal piles or the coal pile runoff basins. Table 5 lists the identification number, description, years of operation, and size or capacity of each ash pile or basin. D and K-Area are the only two ash basins with a monitor well network. Power Engineering had samples of D, H, and P-Area ash basin effluent water collected and analyzed in July and August 1978. The samples were analyzed for a very limited suite of characteristics, however, the pH, sulfate, suspended solids and total dissolved solids indicated no values outside of expected or acceptable ranges. The results of these analyses are presented in Appendix F-9.

Power Engineering has had samples of ash collected and tested for numerous parameters including EP TOX tests on some samples from A, D, H, K, and P-Areas, August 1989; P-Area ash summer 1984; D-Area ash, 1985; 288-1F, February 1989, and A and H-Areas, May and June, 1989. Power Operations had the soil beneath the D-Area ash basin collected and analyzed in 1989 (Appendix F-1).

The D-Area ash basin and ash basin settling ponds have been extensively studied by the Savannah River Ecology Laboratory (references listed in Table 6). A 1988 DOE report (DOE/SR/15170-2, 1988) finds significant release and mobilization of trace contaminants from D-Area ash. This report conducted laboratory experiments to verify the release and mobilization of trace pollutants within the ash. Groundwater sampling indicated concentrations of As and Mn above primary drinking water standards.

A-Area Ash Basin

EP Toxicity testing of A-Area ash in August 1983 (Appendix F-4) found no constituents exceeding the test limits. A-Area ash was tested for EP Toxicity, PAH, and VOC in June 1989 (Appendix F-8). Results of this testing indicated an elevated level of benzene. However, subsequent testing in July 1989 indicated no elevated level of benzene. Elevated levels of benzene are uncharacteristic for ash and it is felt that the samples were contaminated by sampling equipment or in the laboratory (memo: D. R. Earnhart to E. A. Campbell, August 1, 1989, EPD-PED-890695).

D-Area Ash Basin

This is by far the most heavily studied ash basin at the Savannah River Site. EP Toxicity testing of D-Area ash in August 1983 (Appendix F-4) found no constituents exceeding the test limits. Additional EP Toxicity testing of D-Area fly ash in 1985 found Manganese to be slightly higher than the test limit (Appendix F-6).

F-Area Ash Basin

Appendix F-7 shows the results of the analysis of F-Area ash and soil cored and tested in 1989. These results need to be compared to background soil types for the same soil series the ash basin is located. Preliminary screening of the data indicates possible elevated levels of arsenic, barium, iron, nickel, and manganese.

H-Area Ash Basin

EP Toxicity testing of H-Area ash in August 1983 (Appendix F-4) found no constituents exceeding the test limits. H-Area ash was tested for EP Toxicity, PAH, and VOC in June 1989 (Appendix F-8). Results of this testing indicated elevated levels of benzene. However, subsequent testing in July 1989 indicated no elevated level of benzene. Elevated levels of benzene are uncharacteristic for ash and it is felt that the samples were contaminated by sampling equipment or in the laboratory (memo: D. R. Earnhart to E. A. Campbell, August 1, 1989, EPD-PED-890695). Plans are currently underway to retest H-Area ash and include a test for anthracene.

K-Area Ash Basin

Quarterly groundwater testing of K-Area ash basin monitoring wells (KAB) indicate iron as the only constituent above drinking water standards (Appendix F-2). Water elevation and maps of flow direction are presented in Appendix D-2. Groundwater flow appears to be northwest however, graphs in Appendix F-3 show no consistent pattern of affected water quality. Well KAB-4 would be expected to show the most impact but this is not the case, indicating that this ash basin is not impacting the groundwater or that the flow direction or movement of contamination may be more complicated.

EP Toxicity testing of K-Area ash in August 1983 (Appendix F-4) found no constituents exceeding the test limits.

P-Area Ash Basin

EP Toxicity testing of P-Area ash in August 1983 (Appendix F-4) found no constituents exceeding the test limits. Additional EP Toxicity testing in the summer of 1984 found no analysis above the test limits (Appendix F-5).

COAL REJECTS

Coal rejects are simply any and all material rejected or spilled out of the coal crusher or mill. Pieces of coal, rock, and metal which are not crushable are classified as reject coal. Coal rejects are disposed in the D-Area ash basin. EP Toxicity testing of these coal rejects found concentrations of sulfate, iron, and manganese above the EPA Secondary Maximum Contaminant Levels (Appendix F-6). The coal reject area near the D-Area ash basin is being studied by SREL and will be investigated by the RCRA Facility Investigation (RFI) program.

CONCLUSIONS

In general, coal piles, coal pile runoff basins, and ash basins show some degree of effect on groundwater quality. The low pH water produced in coal piles and ash basins can mobilize many elements which migrate through the soil resulting in an impact to the environment.

Additional study is required to identify the magnitude and significance of the impact to the environment from the operation of coal piles, coal pile runoff basins and ash basins. Initial studies should utilize the available information as well as the installation of monitor wells around the remaining ash basins and all of the active coal pile runoff basins. Once the groundwater flow directions and the shallow stratigraphy under the coal piles have been determined a detailed sampling and site characterization study can be implemented. The results of these investigations will determine the remediation, if any, required.

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FIGURES

A-AREA

FIGURE 1.

D-AREA

H-AREA

FIGURE 3.

K-AREA

FIGURE 4.

P-AREA

POWER
HOUSE

COAL
PILE

ASH
BASIN

0 300
FEET

←
PLANT NORTH

FIGURE 5.

TABLES

TABLE 1

COAL STORAGE PILES

<u>Location</u>	<u>Area (acres)</u>	<u>Average Storage (tons)</u>		<u>Years in operation</u>
		<u>1986</u>	<u>1989</u>	
A-Area	1.0	10,000	7,500	1952 to present
C-Area	0.5	3,600*	—	1954 to 1984
D-Area	8.9	144,000	60,000	1952 to present
F-Area	1.4	10,000	—	1953 to 1985
H-Area	1.3	12,000	6,500	1954 to present
K-Area	2.0	16,000	22,000	1954 to present
P-Area	2.6	15,800	17,500	1953 to present
L-Area	2.5	—	—	1953 to 1968
R-Area	2.5	—	—	1952 to 1964

*From 1983 to 1985 coal pile contained less than 1,000 tons.

(from Bledsoe, H. W., 1989 and personal communication with B. Bradey, Power Operations).

TABLE 2

COAL PILE RUNNOFF CONTAINMENT BASINS				
<u>Location</u>	<u>Area</u>	<u>Maximum Capacity</u>	<u>Status</u>	<u>Date Const.</u>
A Area	1.4 Acres	190,000 ft ³	Open	1978
C Area	0.7 Acre	110,000 ft ³	Open	1981
D Area	12.5 Acres	1,360,000 ft ³	Open	1978
F Area	2 Acres	454,600 ft ³	Open	1981
H Area	1.3 Acres	240,000 ft ³	Open	1981
K Area	2 Acres	365,600 ft ³	Open	1981
P Area	2 Acres	345,000 ft ³	Open	1981
L Area	—	—	—	—
R Area	—	—	—	—

(from Bledsoe, H.W., 1989)

TABLE 3

Coal Pile Runoff Water

	Random samples	coal pile runoff weighted by region	Typical coal pile runoff	EPA medium level	EPA 90% worst case	11 U.S. Plants	Ithica, NY coal pile	SRS study (ave) Oct-85
Acidity			(10-27800)	10.25	27810		2.562(0.375-8.25)	751
Aluminum			(825-1200)	1200	1200			105.27
Antimony	6.1	4.6						
Arsenic	11.5	15.7						0.0378
Cadmium	0.07	0.002						0.021
Chloride	0.7	0.27	(20-480)		481			
Chromium	0.01	0.004		0.3	15.7	2.74(0-15.7)	2.6(0.1-7.5)	0.1195
Copper	0.6	0.08	(1.6-3.9)	1.8	3.4	2.1(1.6-3.4)	1.69(0.1-6.1)	0.792
Cyanide	0.5	<0.001						
Iron	236	39	(0.4-2.0)	0.9	4700	10.8(0.06-93000)	1144(10-5250)	308.6
Lead	0.1	0.06						0.0044
Manganese	6.7	0.69	(90-180)					11.56
Mercury	0.005	<0.001						0.000185
Nickel	2.5	3.1						1.763
Nitrate	1303	1436	(0.3-2.3)	1.8	2.25			
pH	5.43	6.78	(2.8-7.8)	3	2.1	(2.1-7.8)	(2.2-5.8)	2.87
Selenium	21.3	19.9						0.0084
Sulfate	1505	401	(130-20000)	5231	21920	6.88(133-21920)		2067
Total diss. solids	1710	754	(700-44000)	5800	44050	12600(247-44050)	11745(9332-14948)	3116
Total organic carbon	234	280						
Total suspend. solids	1651	1551	(20-3300)	610	3302			327
Zinc	8.5	0.8	(0.006-23.0)	1.6	23	5.89(0.006-23)	5.9(2.4-26.0)	2.51
	Wachter and Blackwood 1978 p. 39	Wachter and Blackwood 1978 p. 41	Cross, F. L., 1981 p. 35	Cross, F. L., 1981 p. 36	Cross, F. L., 1981 p. 36	Davis and Boegly, 1981 p. 128	Anderson and Youngstrom 1976 p.1242	SRS October, 1985

All analyses reported as mg/L except for pH.
Parentheses indicate range of values.

Table 4

Parameter	SC and Federal DWS	EP Tox.	A Area	C Area	D Area	H Area	K Area	P Area
pH	6.5-8.5		2.66*	4.42*	2.26*	2.63*	2.71*	2.54*
Cond (µmho/cm)	NA		1316	195	7440	1868	1760	2830
Sulfate (mg/L)	250		376*	40.6	8460*	885*	891*	1750*
TSS (mg/L)			15	27	54	5	1172	690
TDS (mg/L)	500		557*	130	12400*	1205*	1186*	3217*
Phenols (mg/L)	NA		0.002	<0.006	0.001	0.001	0.004	0.002
Acidity (mg/L)			135	50	3335	320	280	384
Al (mg/L)			27.4	2.61	398	30.9	48.7	124
Ag (mg/L)	0.05	5.0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
As (mg/L)	0.05	5.0	<0.001	0.0034	0.135*	0.0382	0.0311	0.0182
Ba (mg/L)	1.0	100	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Be (mg/L)	NA		0.0093	0.0011	0.031	0.0187	0.0139	0.0205
Cd (mg/L)	0.010	1.0	<0.006	<0.006	0.074*	0.011*	0.018*	0.012*
Cu (mg/L)	1.0		0.209	0.169	2.23*	0.644	0.487	1.01*
Cr (mg/L)	0.05	5.0	<0.02	<0.02	0.329*	0.073	0.099	0.176
Fe (mg/L)	0.3		16.1*	2.31*	1450*	102*	145*	136*
Hg (mg/L)	0.002	0.2	.00001	.00024	.00015	.0001	.00036	.00025
Mn (mg/L)	0.05		0.691*	1.52*	59.0*	2.08*	2.28*	3.78*
Mg (mg/L)			5.96	1.72	308	19.2	11.6	29.9
Ni (mg/L)	NA		<0.05	<0.05	7.90	0.628	0.687	1.26
Pb (mg/L)	0.05	5.0	0.0027	0.0149	0.0025	<0.001	0.003	0.0021
Se (mg/L)	0.01	1.0	0.0075	0.0017	0.0063	0.0180*	0.0071	0.0095
Zn (mg/L)	5.0		0.411	0.03	14.1	0.164	0.183	0.194

* indicates values above SC and/or Federal Drinking Water Standards.

Table 5

SUMMARY of ASH BASINS and PILES

<u>Identification</u>	<u>Description</u>	<u>Years of Operation</u>	<u>Area</u>
188- C	pile	1954-1976	2.7 acres
188- 1C	pile	1976-1978	1.25 acres
188-2C	pile	1978-1984	400 x 300 feet
188-K	basin	1954 - present	11.5 acres
188-L	basin	1953-1968	18.4 acres
188-P	basin	1953- present	700 x 800 feet
188-R	basin	1953-1964	11 acres
288-F	basin	1953-1985	1000 x 300 feet
288-1F	basin	mid 1970's (<1 year)	550 x 300 feet
288-H	basin	1954- present	12.5 acres
488-D	basin	1952-1977	1700 x 1000 feet
488-1D	basin	1977- present	1700 x 1075 feet
488-2D	basin	1980- present	1550 x 425 feet
788-A	pile	1952-1979	300 x 500 feet
788-2A	pile	1979-present	200 x 280 feet

source: personal communication D. R. Earnhart

TABLE 6

Summary of Savannah River Ecology Laboratory (SREL)
Publications Related to D Area Coal Ash Systems

- Alberts, J.J., M.C. Newman and D.W. Evans. 1985. Seasonal variations of trace elements in dissolved and suspended loads for coal ash ponds and pond effluents. *Water Air Soil Pollut.* 26:111-128.
- Alberts, J.J., M.F. Weber and D.W. Evans. In press. The effect of pH and contact time on the concentration of As(III) and As(V) in coal ash systems. *Environ. Technol. Lett.*
- Babcock, M.F., D.W. Evans and J.J. Alberts. 1983. Comparative uptake and translocation of trace elements from coal ash by *Typha latifolia*. *Sci. of the Total Environ.* 28:203-214.
- Cherry, D.S. and R.K. Guthrie. 1977. Toxic metals in surface waters from coal ash. *Water Resour. Bull.* 13(6):1227-1236.
- Cherry, D.S. and R.K. Guthrie. 1978. Mode of elemental dissipation from ash basin effluent. *Water Air Soil Pollut.* 9:403-412.
- Cherry, D.S. and R.K. Guthrie. 1979. The uptake of chemical elements from coal ash and settling basin effluent by primary producers II. relation between concentrations in ash deposits and tissues of grasses growing on the ash. *Sci. of the Total Environ.* 13:27-31.
- Cherry, D.S., R.K. Guthrie, F.F. Sherberger, and S.R. Larrick. 1979. The influence of coal ash and thermal discharges upon the distribution and bioaccumulation of aquatic invertebrates. *Hydrobiologia* 62(3):257-267.
- Cherry, D.S., S. R. Larrick, R.K. Guthrie, E. M. Davis and F.F. Sherberger. 1979. Recovery of invertebrate and vertebrate populations in a coal ash stressed drainage system. *J. Fish Res. Board Can.* 36:1089-1096.
- Evans, D.W. and J.P. Giesy, Jr.. 1978. Trace metal concentrations in a stream-swamp system receiving coal ash effluent. *IN: Ecology and Coal Resource Development*, M.K. Wali (ed.), National Association of Environmental Professionals, Washington, DC, 2:782-790.
- Evans, D.W., J.G. Wiener and J.H. Horton. 1980. Trace element inputs from a coal burning power plant to adjacent terrestrial and aquatic environments. *J. Air Pollut. Control Assoc.* 30(5):567-573.
- Guthrie, R.K. and D.S. Cherry. 1979. Trophic level accumulation of heavy metals in a coal ash basin drainage system. *Water Resour. Bull.* 15(1):244-248.

TABLE 6 continued

- Guthrie, R.K. and D.S. Cherry. 1979. The uptake of chemical elements from coal ash and settling basin effluent by primary producers I. relative concentrations in predominant plants. *Sci. of the Total Environ.* 12:217-222.
- Guthrie, R.K. and D.S. Cherry. 1976. Pollutant removal from coal-ash basin effluent. *Water Resour. Bull.* 12(5):889-902.
- Guthrie, R.K., F.L. Singleton and D.S. Cherry. 1977. Aquatic bacterial populations and heavy metals--II. influence of chemical content of aquatic environments on bacterial uptake of chemical elements. *Water Res.* 11:643-646.
- Newman, M.C., J.J. Alberts and V.A. Greenhut. 1985. Geochemical factors complicating the use of Aufwuchs to monitor bioaccumulation of arsenic, cadmium, chromium, copper and zinc. *Water Res.* 19(9):1157-1165.
- Rodgers, J.H., Jr., D.S. Cherry and R.K. Guthrie. 1978. Cycling of elements in duckweed (*Lemna perpusilla*) in an ash settling basin and swamp drainage system. *Water Res.* 12:765-770.
- Skinner, S.P., J.B. Gentry and J.P. Giesy, Jr.. 1978. Cadmium dynamics in terrestrial food webs of a coal ash basin. *IN: Environmental Chemistry and Cycling Processes*, D.C. Adriano and I.L. Brisbin, Jr. (eds.). DOE Symposium Series 45, CONF-760429, National Technical Information Service, Springfield, VA, pp. 658-672.
- Wiener, J.G.. 1979. Aerial inputs of cadmium, copper, lead, and manganese into a freshwater pond in the vicinity of a coal-fired power plant. *Water Air Soil Pollut.* 12:343-353.

APPENDIX A

A-AREA

APPENDIX A-1

**QUARTERLY GROUNDWATER DATA
from A-AREA COAL PILE RUNOFF BASIN
ACB MONITOR WELLS**

A-AREA COAL PILE RUNOFF BASIN MONITOR WELLS

[illegible]

A-AREA COAL PILE RUNOFF BASIN MONITOR WELLS

	Water Elevation(ft)	Water Depth (feet)	pH	Specific Cond. (UMHO)	Sulfate (UG/L)	Iron (UG/L)	TOC (UG/L)	Nickel (UG/L)	Chromium (UG/L)	Arsenic (UG/L)	Barium (UG/L)	Cadmium (UG/L)	Lead (UG/L)	Mercury (UG/L)	Selenium (UG/L)	Silver (UG/L)	Endrin (UG/L)	Lindane (UG/L)	Methoxychloric (UG/L)	Toxaphene (UG/L)
DW Stand.			6.5-8.5		250000	300			50	50	1000	10	50	2	10	50	0.2	4	100	5
RCRA(AIX)								50	70	500	20	40	40	2	750	70	0.1			
SRS Bkgd.			5.2-6.3	50	5-10000	25		<4.0	<4.0	<1.0	25	<2.0	10 to 15	<0.20	<2.0	<2.0			2	2
ACB-3A																				
1/86	243.70	104.6	5.10	27	5000	21	-1000													
2/86	243.30	105	5.10	28									5	-0.2						
3/86	242.04	106.28	5.40	29	-5000		-1000							-0.2						
4/86	241.45	106.85	4.30	32																
1/87	240.56	107.74	4.50	91	28000	49	-1000		4	2	7	2	5	0.71	2	2				
2/87	241.93	106.37	5.40	110																
3/87	242.47	105.83	5.20	147	47500		-1000							0.88						
4/87	241.36	106.94	5.70	160																
1/88	240.52	107.78	5.50	77	20000									0.24						
2/88	240.08	108.22	5.20	76	22400	69														
3/88	239.48	108.82	5.10	129										-0.2						
4/88	238.91	109.39	5.20	188																
1/89	238.15	110.15	4.90	166	58700									-0.2						
ACB-4A																				
1/86	243.69	115.4	4.00	26	-5000	18	-1000													
2/86	243.49	115.6	4.80	27									8	0.9						
3/86			5.10	30	-5000		-1000							0.57						
4/86	243.69	115.4	4.00	31																
1/87	232.54	126.55	4.50	41	-3000	23	-1000		4	2	4	2	20	0.34	2	2				
2/87	237.46	121.63	4.90	29																
3/87	240.30	118.79	4.80	30	5700		-1000							0.49						
4/87	241.80	117.29	5.40	33																
1/88	241.19	117.9	4.80	25	-5000									0.58						
2/88	240.61	118.48	5.10	50	7400	30														
3/88	240.27	118.82	5.10	137										0.41						
4/88	239.62	119.47	5.10	231																
1/89	238.50	120.6	5.10	162	55000									-0.2						

APPENDIX A-2

QUARTERLY WATER ELEVATIONS for ACB WELLS

ACB WELL SERIES WATER ELEVATION

A-AREA

1ST Q 1988

coal
pile

power
house

A-AREA

1st Q 1987

coal pile power house

1ST Q 1986

A-AREA

APPENDIX A-3

**GRAPHS of QUARTERLY DATA
for ACB WELLS**

**pH
SULFATE
SPECIFIC CONDUCTIVITY
IRON**

ACB WELL SERIES SULFATE

ACB WELL SERIES SPECIFIC CONDUCTIVITY

APPENDIX A-4

ANALYSIS of ACB SOILS

**A-AREA
COAL PILE RUNOFF BASIN
(ACPRB)**

ACPRB1 -R	Rinsate
-01	0-0.75 feet
-02	0-2
-03	2-4
-04	4-6
-05	6-8
-06	8-10

ACPRB2 -R	Rinsate
-01	0-0.75 feet
-02	0-2
-03	2-4
-04	4-6
-05	6-8
-06	8-10
-07	10-13
-08	13-16
-09	16-20

ACPRB3 -R	Rinsate
-01	0-0.75 feet
-02	0-2
-03	2-4
-04	4-6
-05	6-8
-06	8-10
-07	10-13
-08	13-16
-09	16-20

D6807012.WK1

SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method #	Modifier	Result	Units	??
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	MEC6D8	X9		99	PER	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	PBF9	X9		99	PER	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	12DCD4	X9		102	PER	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	CH3CL	X9	LT	13	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	CH3BR	X9	LT	13	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	C2H3CL	X9	LT	13	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	C2H3CL	X9	LT	13	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	CH2CL2	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	ACET	X9	LT	13	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	CS2	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	11MCE	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	118CLE	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	120CLE	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	CHCL3	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	120CLE	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	HEX	X9	LT	13	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	111TCE	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	CCL4	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	VINYLA	X9	LT	13	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	BROCLM	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	120CLP	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	T13DCP	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	TRELE	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	BROCLM	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	112TCE	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	C6H6	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	130CPC	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	2CLEVE	X9	LT	13	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	CHMR3	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	THEZPE	X9	LT	13	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	ZHIDME	X9	LT	13	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	ACROLN	X9	LT	660	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	ACRYLO	X9	LT	130	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	CCL3F	X9	LT	13	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	TCLEE	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	TCLEA	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	MEC6H5	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	CLC6H5	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	ETC6H5	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	STYR	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	XYLEN	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	CCL2F2	X9	LT	13	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	ACETN	X9	LT	13	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	IODOME	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	HEACRY	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	DBM	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	ISOB	X9	LT	13	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	12DBE	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	2TCLEA	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	123CPR	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	DBCP	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	2CH13B	X9	LT	130	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	AYLCL	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	T14DCB	X9	LT	7	USKG	
ACPRB	3	1	071188	072688	1200	WA	8807 012 001	PRONIT	X9	LT	7	USKG	
ACPRB	3	1	071188	080488	1200	WA	8807 012 001	TEPP	X9	LT	44	USKG	
ACPRB	3	1	071188	080488	1200	WA	8807 012 001	THN2	X9	LT	44	USKG	
ACPRB	3	1	071188	080488	1200	WA	8807 012 001	PHDRAT	X9	LT	9.1	USKG	
ACPRB	3	1	071188	080488	1200	WA	8807 012 001	STPP	X9	LT	44	USKG	
ACPRB	3	1	071188	080488	1200	WA	8807 012 001	DISFTN	X9	LT	9.1	USKG	
ACPRB	3	1	071188	080488	1200	WA	8807 012 001	DINET	X9	LT	44	USKG	
ACPRB	3	1	071188	080488	1200	WA	8807 012 001	PRTHNM	X9	LT	9.1	USKG	
ACPRB	3	1	071188	080488	1200	WA	8807 012 001	PRTHM	X9	LT	9.1	USKG	
ACPRB	3	1	071188	080488	1200	WA	8807 012 001	FAMP	X9	LT	87	USKG	
ACPRB	3	1	071188	080488	1200	WA	8807 012 001	TEPP	X9	LT	44	USKG	
ACPRB	3	1	071188	080488	1200	WA	8807 012 001	THN2	X9	LT	44	USKG	
ACPRB	3	1	071188	080488	1200	WA	8807 012 001	PHDRAT	X9	LT	9.1	USKG	
ACPRB	3	1	071188	080488	1200	WA	8807 012 001	STPP	X9	LT	44	USKG	
ACPRB	3	1	071188	080488	1200	WA	8807 012 001	DISFTN	X9	LT	9.1	USKG	
ACPRB	3	1	071188	080488	1200	WA	8807 012 001	DINET	X9	LT	44	USKG	

D8807012.WK1

SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method #	Modifier	Result	Units	??	Di
ACPRB	3	1	071188	080488	1200	WA	8807 012 001	PRTHNM	X9		106	PER		
ACPRB	3	1	071188	080488	1200	WA	8807 012 001	PRTHN	X9	LT	9.1	UGKG		
ACPRB	3	1	071188	080488	1200	WA	8807 012 001	FAMP	X9	LT	87	UGKG		
ACPRB	3	1	071188	080488	1200	WA	8807 012 001	DIAZ	X9		109	PER		
ACPRB	3	1	071188	080888	1200	WA	8807 012 001	CTCDD	X9		62	PER		
ACPRB	3	1	071188	080888	1200	WA	8807 012 001	COCDD	X9		70	PER		
ACPRB	3	1	071188	080888	1200	WA	8807 012 001	TCDD	X9	LT	0.04	NGG		
ACPRB	3	1	071188	080888	1200	WA	8807 012 001	PDBPD	X9	LT	0.04	NGG		
ACPRB	3	1	071188	080888	1200	WA	8807 012 001	TCDF	X9	LT	0.04	NGG		
ACPRB	3	1	071188	080888	1200	WA	8807 012 001	PDBDF	X9	LT	0.05	NGG		
ACPRB	3	1	071188	080888	1200	WA	8807 012 001	CTCDD	X9		55	PER		
ACPRB	3	1	071188	080888	1200	WA	8807 012 001	COCDD	X9		13	PER		
ACPRB	3	1	071188	080888	1200	WA	8807 012 001	TCDD	X9		85	PER		
ACPRB	3	1	071188	080888	1200	WA	8807 012 001	PDBPD	X9	LT	0.31	NGG		
ACPRB	3	1	071188	080888	1200	WA	8807 012 001	TCDF	X9	LT	0.09	NGG		
ACPRB	3	1	071188	080888	1200	WA	8807 012 001	PDBDF	X9	LT	0.09	NGG		
ACPRB	3	1	071188	091188	1200	WA	8807 012 001	ALPHAG	9W		7	PCIG		4
ACPRB	3	1	071188	091188	1200	WA	8807 012 001	BETAG	9W		6	PCIG		4
ACPRB	3	1	071188	081888	1200	WA	8807 012 001	TOTRAD	9Y		3.7	PCIG		0.6
ACPRB	3	1	071188	090288	1200	WA	8807 012 001	TRITIUM	9Y		0.7	PCIM		0.6
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	MEC6D8	2J		102	PER		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	PBFB	2J		106	PER		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	12DCD4	2J		105	PER		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	CH3CL	2J	LT	12	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	CH3BR	2J	LT	12	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	C2H3CL	2J	LT	12	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	C2H5CL	2J	LT	12	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	CH2CL2	2J	LT	6	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	11DCE	2J	LT	6	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	11DCLE	2J	LT	6	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	T12DCE	2J	LT	6	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	CHCL3	2J	LT	6	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	12DCLE	2J	LT	6	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	111TCE	2J	LT	6	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	CCL4	2J	LT	6	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	BRDCLM	2J	LT	6	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	12DCLP	2J	LT	6	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	T13DCP	2J	LT	6	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	TRCLE	2J	LT	6	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	DBRCLM	2J	LT	6	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	112TCE	2J	LT	6	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	C6H6	2J	LT	6	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	13DCPC	2J	LT	6	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	2CLEVE	2J	LT	12	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	CHBR3	2J	LT	6	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	TCLEE	2J	LT	6	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	TCLEA	2J	LT	6	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	MEC6H5	2J	LT	6	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	CLC6H5	2J	LT	6	UGKG		
ACPRB	3	2	071188	072588	1200	WA	8807 012 003	ETC6H5	2J	LT	6	UGKG		
ACPRB	3	2	071188	091188	1200	WA	8807 012 003	ALPHAG	9W		19	PCIG		7
ACPRB	3	2	071188	091188	1200	WA	8807 012 003	BETAG	9W		10	PCIG		4
ACPRB	3	2	071188	081888	1200	WA	8807 012 003	TOTRAD	9Y		9	PCIG		0.8
ACPRB	3	2	071188	090288	1200	WA	8807 012 003	TRITIUM	9Y		0.7	PCIM		0.4
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	MEC6D8	2J		101	PER		
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	PBFB	2J		105	PER		
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	12DCD4	2J		106	PER		
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	CH3CL	2J	LT	12	UGKG		
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	CH3BR	2J	LT	12	UGKG		
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	C2H3CL	2J	LT	12	UGKG		
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	C2H5CL	2J	LT	12	UGKG		
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	CH2CL2	2J	LT	6	UGKG		
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	11DCE	2J	LT	6	UGKG		
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	11DCLE	2J	LT	6	UGKG		
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	T12DCE	2J	LT	6	UGKG		
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	CHCL3	2J	LT	6	UGKG		
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	12DCLE	2J	LT	6	UGKG		
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	111TCE	2J	LT	6	UGKG		
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	CCL4	2J	LT	6	UGKG		
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	BRDCLM	2J	LT	6	UGKG		

08807012.WK1

SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method	#	Modifier	Result	Units	??
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	12DCLP	2J		LT	6	USKG	
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	T13DCP	2J		LT	6	USKG	
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	TRCLE	2J		LT	6	USKG	
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	DBRCLM	2J		LT	6	USKG	
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	112TCE	2J		LT	6	USKG	
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	C6H6	2J		LT	6	USKG	
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	13DCPC	2J		LT	6	USKG	
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	2CLEVE	2J		LT	12	USKG	
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	CHBR3	2J		LT	6	USKG	
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	TCLEE	2J		LT	6	USKG	
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	TCLEA	2J		LT	6	USKG	
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	MEC6H5	2J		LT	6	USKG	
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	CLC6H5	2J		LT	6	USKG	
ACPRB	3	3	071188	072588	1200	WA	8807 012 004	ETC6H5	2J		LT	6	USKG	
ACPRB	3	3	071188	091188	1200	WA	8807 012 004	ALPHAG	9W			20	PCIG	7
ACPRB	3	3	071188	091688	1200	WA	8807 012 004	BETAG	9W			13	PCIG	2
ACPRB	3	3	071188	081988	1200	WA	8807 012 004	TOTRAD	9Y			8.2	PCIG	0.8
ACPRB	3	3	071188	090288	1200	WA	8807 012 004	TRITIU	9Y			0.5	PCIN	0.4
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	MEC6D8	2J			100	PER	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	PBFB	2J			104	PER	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	12DCD4	2J			106	PER	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	CH3CL	2J		LT	12	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	CH3BR	2J		LT	12	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	C2H3CL	2J		LT	12	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	C2H5CL	2J		LT	12	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	CH2CL2	2J		LT	6	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	11DCE	2J		LT	6	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	11DCLE	2J		LT	6	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	T12DCE	2J		LT	6	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	CHCL3	2J		LT	6	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	12DCLE	2J		LT	6	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	111TCE	2J		LT	6	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	CCL4	2J		LT	6	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	BRDCLM	2J		LT	6	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	12DCLP	2J		LT	6	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	T13DCP	2J		LT	6	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	TRCLE	2J		LT	6	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	DBRCLM	2J		LT	6	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	112TCE	2J		LT	6	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	C6H6	2J		LT	6	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	13DCPC	2J		LT	6	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	2CLEVE	2J		LT	12	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	CHBR3	2J		LT	6	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	TCLEE	2J		LT	6	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	TCLEA	2J		LT	6	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	MEC6H5	2J		LT	6	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	CLC6H5	2J		LT	6	USKG	
ACPRB	3	4	071188	072588	1200	WA	8807 012 005	ETC6H5	2J		LT	6	USKG	
ACPRB	3	4	071188	091188	1200	WA	8807 012 005	ALPHAG	9W			17	PCIG	7
ACPRB	3	4	071188	091188	1200	WA	8807 012 005	BETAG	9W			8	PCIG	4
ACPRB	3	4	071188	081988	1200	WA	8807 012 005	TOTRAD	9Y			9	PCIG	0.8
ACPRB	3	4	071188	090288	1200	WA	8807 012 005	TRITIU	9Y		B	0.7	PCIN	0.4
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	MEC6D8	2J			101	PER	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	PBFB	2J			106	PER	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	12DCD4	2J			106	PER	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	CH3CL	2J		LT	12	USKG	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	CH3BR	2J		LT	12	USKG	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	C2H3CL	2J		LT	12	USKG	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	C2H5CL	2J		LT	12	USKG	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	CH2CL2	2J		LT	6	USKG	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	11DCE	2J		LT	6	USKG	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	11DCLE	2J		LT	6	USKG	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	T12DCE	2J		LT	6	USKG	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	CHCL3	2J		LT	6	USKG	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	12DCLE	2J		LT	6	USKG	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	111TCE	2J		LT	6	USKG	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	CCL4	2J		LT	6	USKG	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	BRDCLM	2J		LT	6	USKG	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	12DCLP	2J		LT	6	USKG	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	T13DCP	2J		LT	6	USKG	

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SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method	#	Modifier	Result	Units	??
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	TRCLE	2J		LT	6	UGKG	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	DBRCLM	2J		LT	6	UGKG	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	112TCE	2J		LT	6	UGKG	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	C6H6	2J		LT	6	UGKG	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	13DCPC	2J		LT	6	UGKG	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	2CLEVE	2J		LT	12	UGKG	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	CHBR3	2J		LT	6	UGKG	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	TCLEE	2J		LT	6	UGKG	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	TCLEA	2J		LT	6	UGKG	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	MEC6H5	2J		LT	6	UGKG	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	CLC6H5	2J		LT	6	UGKG	
ACPRB	3	5	071188	072588	1200	WA	8807 012 006	ETC6H5	2J		LT	6	UGKG	
ACPRB	3	5	071188	091188	1200	WA	8807 012 006	ALPHAG	9W			13	PCIG	
ACPRB	3	5	071188	091188	1200	WA	8807 012 006	BETAG	9W			10	PCIG	
ACPRB	3	5	071188	081988	1200	WA	8807 012 006	TOTRAD	9Y			8.7	PCIG	
ACPRB	3	5	071188	090288	1200	WA	8807 012 006	TRITIU	9Y			0.7	PCIM	0.8
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	MEC6D8	2J			101	PER	0.4
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	PBFB	2J			105	PER	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	12DCD4	2J			107	PER	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	CH3CL	2J		LT	12	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	CH3BR	2J		LT	12	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	C2H3CL	2J		LT	12	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	C2H5CL	2J		LT	12	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	CH2CL2	2J		LT	6	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	11DCE	2J		LT	6	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	11DCLE	2J		LT	6	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	T12DCE	2J		LT	6	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	CHCL3	2J		LT	6	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	12DCLE	2J		LT	6	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	111TCE	2J		LT	6	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	CCL4	2J		LT	6	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	BRDCLM	2J		LT	6	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	12DCLP	2J		LT	6	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	T13DCP	2J		LT	6	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	TRCLE	2J		LT	6	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	DBRCLM	2J		LT	6	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	112TCE	2J		LT	6	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	C6H6	2J		LT	6	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	13DCPC	2J		LT	6	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	2CLEVE	2J		LT	12	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	CHBR3	2J		LT	6	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	TCLEE	2J		LT	6	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	TCLEA	2J		LT	6	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	MEC6H5	2J		LT	6	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	CLC6H5	2J		LT	6	UGKG	
ACPRB	3	6	071188	072588	1200	WA	8807 012 007	ETC6H5	2J		LT	6	UGKG	
ACPRB	3	6	071188	091188	1200	WA	8807 012 007	ALPHAG	9W			13	PCIG	6
ACPRB	3	6	071188	091188	1200	WA	8807 012 007	BETAG	9W			7	PCIG	4
ACPRB	3	6	071188	081888	1200	WA	8807 012 007	TOTRAD	9Y			7.4	PCIG	0.8
ACPRB	3	6	071188	090288	1200	WA	8807 012 007	TRITIU	9Y			0.5	PCIM	0.3
ACPRB	3	7	071288	091188	1200	WA	8807 012 008	ALPHAG	9W			16	PCIG	7
ACPRB	3	7	071288	091688	1200	WA	8807 012 008	BETAG	9W			11	PCIG	2
ACPRB	3	7	071288	081888	1200	WA	8807 012 008	TOTRAD	9Y			5.7	PCIG	0.7
ACPRB	3	7	071288	090288	1200	WA	8807 012 008	TRITIU	9Y			0.4	PCIM	0.3
ACPRB	3	8	071288	091188	1200	WA	8807 012 009	ALPHAG	9W			13	PCIG	6
ACPRB	3	8	071288	091188	1200	WA	8807 012 009	BETAG	9W			7	PCIG	4
ACPRB	3	8	071288	081888	1200	WA	8807 012 009	TOTRAD	9Y			5.2	PCIG	0.7
ACPRB	3	8	071288	090288	1200	WA	8807 012 009	TRITIU	9Y			0	PCIM	0.4
ACPRB	3	9	071288	091488	1200	WA	8807 012 010	ALPHAG	9W			16	PCIG	6
ACPRB	3	9	071288	091488	1200	WA	8807 012 010	BETAG	9W			5	PCIG	4
ACPRB	3	9	071288	081888	1200	WA	8807 012 010	TOTRAD	9Y			5.4	PCIG	0.7
ACPRB	3	9	071288	090288	1200	WA	8807 012 010	TRITIU	9Y			0.7	PCIM	0.3
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	MEC6D8	X9			101	PER	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	PBFB	X9			101	PER	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	12DCD4	X9			101	PER	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	CH3CL	X9		LT	14	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	CH3BR	X9		LT	14	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	C2H3CL	X9		LT	14	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	C2H5CL	X9		LT	14	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	CH2CL2	X9		LT	7	UGKG	

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SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method	#	Modifier	Result	Units	??
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	ACET	X9		LT	14	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	CS2	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	11DCE	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	11DCLE	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	12DCLE	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	CHCL3	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	12DCLE	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	MEK	X9		LT	14	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	111TCE	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	CCL4	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	VIMYLA	X9		LT	14	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	BRDCLM	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	12DCLP	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	T13DCP	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	TRCLE	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	BRDCLM	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	112TCE	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	CAN6	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	13DCPC	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	2CLEVE	X9		LT	14	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	CHBR3	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	4NE2PE	X9		LT	14	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	2HXONE	X9		LT	14	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	ACROLN	X9		LT	680	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	ACRYLO	X9		LT	140	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	CCL3F	X9		LT	14	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	TCLEE	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	TCLEA	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	NEC6H5	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	CLC6H5	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	ETC6H5	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	STYR	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	KYLEN	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	CCL2F2	X9		LT	14	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	ACETN	X9		LT	14	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	IODOME	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	NEACRY	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	DBN	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	ISOB	X9		LT	14	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	12DBE	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	2TCLEA	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	123CPR	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	DBCP	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	2CH13B	X9		LT	140	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	AYLCL	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	T14DCB	X9		LT	7	UGKG	
ACPRB	1	1	071288	072688	1200	WA	8807 012 012	PROMIT	X9		LT	7	UGKG	
ACPRB	1	1	071288	080488	1200	WA	8807 012 012	TEPP	X9		LT	45	UGKG	
ACPRB	1	1	071288	080488	1200	WA	8807 012 012	THN7	X9		LT	45	UGKG	
ACPRB	1	1	071288	080488	1200	WA	8807 012 012	PHORAT	X9		LT	9.6	UGKG	
ACPRB	1	1	071288	080488	1200	WA	8807 012 012	STPP	X9		LT	45	UGKG	
ACPRB	1	1	071288	080488	1200	WA	8807 012 012	DISFTN	X9		LT	9.6	UGKG	
ACPRB	1	1	071288	080488	1200	WA	8807 012 012	DINET	X9		LT	45	UGKG	
ACPRB	1	1	071288	080488	1200	WA	8807 012 012	PRTHNM	X9		LT	9.6	UGKG	
ACPRB	1	1	071288	080488	1200	WA	8807 012 012	PRTHN	X9		LT	9.6	UGKG	
ACPRB	1	1	071288	080488	1200	WA	8807 012 012	FAMP	X9		LT	91	UGKG	
ACPRB	1	1	071288	080888	1200	WA	8807 012 012	CTCDD	X9			62	PER	
ACPRB	1	1	071288	080888	1200	WA	8807 012 012	COCDD	X9			25	PER	
ACPRB	1	1	071288	080888	1200	WA	8807 012 012	TCDD	X9		LT	0.07	N66	
ACPRB	1	1	071288	080888	1200	WA	8807 012 012	PDBPD	X9		LT	0.12	N66	
ACPRB	1	1	071288	080888	1200	WA	8807 012 012	TCDF	X9		LT	0.28	N66	
ACPRB	1	1	071288	080888	1200	WA	8807 012 012	PDBDF	X9		LT	0.28	N66	
ACPRB	1	1	071288	091488	1200	WA	8807 012 012	ALPHAG	9W			16	PC16	
ACPRB	1	1	071288	091488	1200	WA	8807 012 012	BETAG	9W			6	PC16	
ACPRB	1	1	071288	081888	1200	WA	8807 012 012	TOTRAD	9Y			7	PC16	
ACPRB	1	1	071288	090288	1200	WA	8807 012 012	TRITIU	9Y			1.3	PC1M	
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	NEC6D8	2J			102	PER	
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	PBFB	2J			106	PER	
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	12DCD4	2J			106	PER	
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	CH3CL	2J		LT	12	UGKG	

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SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method #	Modifier	Result	Units	??	D
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	CH3BR	2J	LT	12	UGK6		
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	C2H3CL	2J	LT	12	UGK6		
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	C2H5CL	2J	LT	12	UGK6		
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	CH2CL2	2J		9	UGK6		
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	11DCE	2J	LT	6	UGK6		
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	11DCL	2J	LT	6	UGK6		
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	T12DCE	2J	LT	6	UGK6		
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	CHCL3	2J	LT	6	UGK6		
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	12DCL	2J	LT	6	UGK6		
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	111TCE	2J	LT	6	UGK6		
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	CCL4	2J	LT	6	UGK6		
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	BRDCLM	2J	LT	6	UGK6		
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	12DCLP	2J	LT	6	UGK6		
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	T13DCP	2J	LT	6	UGK6		
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	TRCLE	2J	LT	6	UGK6		
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	DBRCLM	2J	LT	6	UGK6		
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	112TCE	2J	LT	6	UGK6		
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	C6H6	2J	LT	6	UGK6		
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	13DCPC	2J	LT	6	UGK6		
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	2CLEVE	2J	LT	12	UGK6		
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	CHBR3	2J	LT	6	UGK6		
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	TCLEE	2J	LT	6	UGK6		
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	TCLEA	2J	LT	6	UGK6		
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	MEC6H5	2J	LT	6	UGK6		
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	CLC6H5	2J	LT	6	UGK6		
ACPRB	1	2	071288	072588	1200	WA	8807 012 013	ETC6H5	2J	LT	6	UGK6		
ACPRB	1	2	071288	091488	1200	WA	8807 012 013	ALPHA6	9W		16	PC16	5	
ACPRB	1	2	071288	091488	1200	WA	8807 012 013	BETA6	9W		8	PC16	4	
ACPRB	1	2	071288	081888	1200	WA	8807 012 013	TOTRAD	9Y		6	PC16	0.7	
ACPRB	1	2	071288	090288	1200	WA	8807 012 013	TRITIU	9Y		0.8	PC1H	0.4	
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	MEC6D8	2J		101	PER		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	PBFB	2J		102	PER		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	12DCD4	2J		102	PER		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	CH3CL	2J	LT	12	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	CH3BR	2J	LT	12	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	C2H3CL	2J	LT	12	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	C2H5CL	2J	LT	12	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	CH2CL2	2J	LT	6	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	11DCE	2J	LT	6	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	11DCL	2J	LT	6	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	T12DCE	2J	LT	6	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	CHCL3	2J	LT	6	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	12DCL	2J	LT	6	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	111TCE	2J	LT	6	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	CCL4	2J	LT	6	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	BRDCLM	2J	LT	6	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	12DCLP	2J	LT	6	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	T13DCP	2J	LT	6	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	TRCLE	2J	LT	6	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	DBRCLM	2J	LT	6	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	112TCE	2J	LT	6	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	C6H6	2J	LT	6	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	13DCPC	2J	LT	6	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	2CLEVE	2J	LT	12	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	CHBR3	2J	LT	6	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	TCLEE	2J	LT	6	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	TCLEA	2J	LT	6	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	MEC6H5	2J	LT	6	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	CLC6H5	2J	LT	6	UGK6		
ACPRB	1	3	071288	072688	1200	WA	8807 012 014	ETC6H5	2J	LT	6	UGK6		
ACPRB	1	3	071288	091488	1200	WA	8807 012 014	ALPHA6	9W		18	PC16	6	
ACPRB	1	3	071288	091488	1200	WA	8807 012 014	BETA6	9W		7	PC16	4	
ACPRB	1	3	071288	081888	1200	WA	8807 012 014	TOTRAD	9Y		9.9	PC16	0.8	
ACPRB	1	3	071288	090288	1200	WA	8807 012 014	TRITIU	9Y		0	PC1H	0.4	
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	MEC6D8	2J		100	PER		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	PBFB	2J		103	PER		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	12DCD4	2J		101	PER		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	CH3CL	2J	LT	12	UGK6		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	CH3BR	2J	LT	12	UGK6		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	C2H3CL	2J	LT	12	UGK6		

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SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method #	Modifier	Result	Units	??	D
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	C2H5CL	2J	LT	12	UGKG		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	CH2CL2	2J	LT	6	UGKG		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	11DCE	2J	LT	6	UGKG		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	11DCLE	2J	LT	6	UGKG		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	T12DCE	2J	LT	6	UGKG		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	CHCL3	2J	LT	6	UGKG		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	12DCLE	2J	LT	6	UGKG		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	111TCE	2J	LT	6	UGKG		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	CCL4	2J	LT	6	UGKG		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	BRDCLM	2J	LT	6	UGKG		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	12DCLP	2J	LT	6	UGKG		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	T13DCP	2J	LT	6	UGKG		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	TRCLE	2J	LT	6	UGKG		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	DBRCLM	2J	LT	6	UGKG		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	112TCE	2J	LT	6	UGKG		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	C6H6	2J	LT	6	UGKG		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	13DCPC	2J	LT	6	UGKG		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	2CLEVE	2J	LT	12	UGKG		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	CHBR3	2J	LT	6	UGKG		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	TCLEE	2J	LT	6	UGKG		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	TCLEA	2J	LT	6	UGKG		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	MEC6H5	2J	LT	6	UGKG		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	CLC6H5	2J	LT	6	UGKG		
ACPRB	1	4	071288	072688	1200	WA	8807 012 015	ETC6H5	2J	LT	6	UGKG		
ACPRB	1	4	071288	091488	1200	WA	8807 012 015	ALPHAG	9W		19	PCIG	8	
ACPRB	1	4	071288	091488	1200	WA	8807 012 015	BETAG	9W		6	PCIG	4	
ACPRB	1	4	071288	081888	1200	WA	8807 012 015	TOTRAD	9Y		8.3	PCIG	0.8	
ACPRB	1	4	071288	090288	1200	WA	8807 012 015	TRITIU	9Y		0.8	PCIM	0.4	
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	MEC6D8	2J		101	PER		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	PBFB	2J		100	PER		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	12DCD4	2J		104	PER		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	CH3CL	2J	LT	12	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	CH3BR	2J	LT	12	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	C2H3CL	2J	LT	12	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	C2H5CL	2J	LT	12	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	CH2CL2	2J	LT	6	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	11DCE	2J	LT	6	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	11DCLE	2J	LT	6	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	T12DCE	2J	LT	6	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	CHCL3	2J	LT	6	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	12DCLE	2J	LT	6	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	111TCE	2J	LT	6	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	CCL4	2J	LT	6	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	BRDCLM	2J	LT	6	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	12DCLP	2J	LT	6	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	T13DCP	2J	LT	6	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	TRCLE	2J	LT	6	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	DBRCLM	2J	LT	6	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	112TCE	2J	LT	6	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	C6H6	2J	LT	6	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	13DCPC	2J	LT	6	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	2CLEVE	2J	LT	12	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	CHBR3	2J	LT	6	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	TCLEE	2J	LT	6	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	TCLEA	2J	LT	6	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	MEC6H5	2J	LT	6	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	CLC6H5	2J	LT	6	UGKG		
ACPRB	1	5	071288	072688	1200	WA	8807 012 016	ETC6H5	2J	LT	6	UGKG		
ACPRB	1	5	071288	091488	1200	WA	8807 012 016	ALPHAG	9W		25	PCIG	8	
ACPRB	1	5	071288	091488	1200	WA	8807 012 016	BETAG	9W		6	PCIG	4	
ACPRB	1	5	071288	081888	1200	WA	8807 012 016	TOTRAD	9Y		8.5	PCIG	0.8	
ACPRB	1	5	071288	090288	1200	WA	8807 012 016	TRITIU	9Y		0.4	PCIM	0.4	
ACPRB	1	6	071288	072688	1200	WA	8807 012 017	MEC6D8	2J		98	PER		
ACPRB	1	6	071288	072688	1200	WA	8807 012 017	PBFB	2J		101	PER		
ACPRB	1	6	071288	072688	1200	WA	8807 012 017	12DCD4	2J		103	PER		
ACPRB	1	6	071288	072688	1200	WA	8807 012 017	CH3CL	2J	LT	12	UGKG		
ACPRB	1	6	071288	072688	1200	WA	8807 012 017	CH3BR	2J	LT	12	UGKG		
ACPRB	1	6	071288	072688	1200	WA	8807 012 017	C2H3CL	2J	LT	12	UGKG		
ACPRB	1	6	071288	072688	1200	WA	8807 012 017	C2H5CL	2J	LT	12	UGKG		
ACPRB	1	6	071288	072688	1200	WA	8807 012 017	CH2CL2	2J	LT	6	UGKG		

SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

[illegible][illegible]

D8807012.WK1

SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method #	Modifier	Result	Units	??
ACPRB		1	6 071288	072688	1200	WA	8807 012 017	TRCLE	2J		112	PER	
ACPRB		1	6 071288	072688	1200	WA	8807 012 017	DBRCLM	2J	LT	6	UGKG	
ACPRB		1	6 071288	072688	1200	WA	8807 012 017	112TCE	2J	LT	6	UGKG	
ACPRB		1	6 071288	072688	1200	WA	8807 012 017	C6H6	2J		108	PER	
ACPRB		1	6 071288	072688	1200	WA	8807 012 017	13DCPC	2J	LT	6	UGKG	
ACPRB		1	6 071288	072688	1200	WA	8807 012 017	2CLEVE	2J	LT	12	UGKG	
ACPRB		1	6 071288	072688	1200	WA	8807 012 017	CHBR3	2J	LT	6	UGKG	
ACPRB		1	6 071288	072688	1200	WA	8807 012 017	TCLEE	2J	LT	6	UGKG	
ACPRB		1	6 071288	072688	1200	WA	8807 012 017	TCLEA	2J	LT	6	UGKG	
ACPRB		1	6 071288	072688	1200	WA	8807 012 017	MEC6H5	2J		106	PER	
ACPRB		1	6 071288	072688	1200	WA	8807 012 017	CLC6H5	2J		124	PER	
ACPRB		1	6 071288	072688	1200	WA	8807 012 017	ETC6H5	2J	LT	6	UGKG	
ACPRB		1	6 071288	091488	1200	WA	8807 012 017	ALPMAG	9W		26	PC16	9
ACPRB		1	6 071288	091488	1200	WA	8807 012 017	BETAG	9W		10	PC16	4
ACPRB		1	6 071288	081888	1200	WA	8807 012 017	TOTRAD	9Y		10.1	PC16	0.9
ACPRB		1	6 071288	090288	1200	WA	8807 012 017	TRITIUM	9Y		0.5	PC1M	0.4
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	MEC6H5	2J		100	PER	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	PBF	2J		102	PER	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	12DCD4	2J		103	PER	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	CH3CL	2J	LT	10	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	CH3BR	2J	LT	10	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	C2H3CL	2J	LT	10	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	C2H5CL	2J	LT	10	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	CH2CL2	2J	LT	5	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	11DCE	2J	LT	5	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	11DCLE	2J	LT	5	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	T12DCE	2J	LT	5	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	CHCL3	2J	LT	5	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	12DCLE	2J	LT	5	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	111TCE	2J	LT	5	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	CCL4	2J	LT	5	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	BRDCLM	2J	LT	5	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	12DCLP	2J	LT	5	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	T13DCP	2J	LT	5	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	TRCLE	2J	LT	5	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	DBRCLM	2J	LT	5	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	112TCE	2J	LT	5	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	C6H6	2J	LT	5	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	13DCPC	2J	LT	5	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	2CLEVE	2J	LT	10	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	CHBR3	2J	LT	5	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	TCLEE	2J	LT	5	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	TCLEA	2J	LT	5	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	MEC6H5	2J	LT	5	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	CLC6H5	2J	LT	5	UGL	
TRIPB	LA	NK	071288	072788	1200	WA	8807 012 018	ETC6H5	2J	LT	5	UGL	
MBLK			080888	080888	1200	WA	88WD793 MB1	CTCDD	X9		79	PER	
MBLK			080888	080888	1200	WA	88WD793 MB1	COCD	X9		90	PER	
MBLK			080888	080888	1200	WA	88WD793 MB1	TCDD	X9	LT	0.08	NGG	
MBLK			080888	080888	1200	WA	88WD793 MB1	PDBPD	X9	LT	0.08	NGG	
MBLK			080888	080888	1200	WA	88WD793 MB1	TCDF	X9	LT	0.34	NGG	
MBLK			080888	080888	1200	WA	88WD793 MB1	PDBDF	X9	LT	0.34	NGG	
SBLK			080888	080888	1200	WA	88WD793 MB1	CTCDD	X9		100	PER	
SBLK			080888	080888	1200	WA	88WD793 MB1	COCD	X9		113	PER	
SBLK			080888	080888	1200	WA	88WD793 MB1	TCDD	X9		93	PER	
SBLK			080888	080888	1200	WA	88WD793 MB1	PDBPD	X9	LT	0.02	NGG	
SBLK			080888	080888	1200	WA	88WD793 MB1	TCDF	X9	LT	0.03	NGG	
SBLK			080888	080888	1200	WA	88WD793 MB1	PDBDF	X9	LT	0.03	NGG	
MBLK			072588	072588	1200	WA	88WMA725 MB1	MEC6H5	2J		99	PER	
MBLK			072588	072588	1200	WA	88WMA725 MB1	PBF	2J		101	PER	
MBLK			072588	072588	1200	WA	88WMA725 MB1	12DCD4	2J		98	PER	
MBLK			072588	072588	1200	WA	88WMA725 MB1	CH3CL	2J	LT	10	UGKG	
MBLK			072588	072588	1200	WA	88WMA725 MB1	CH3BR	2J	LT	10	UGKG	
MBLK			072588	072588	1200	WA	88WMA725 MB1	C2H3CL	2J	LT	10	UGKG	
MBLK			072588	072588	1200	WA	88WMA725 MB1	C2H5CL	2J	LT	10	UGKG	
MBLK			072588	072588	1200	WA	88WMA725 MB1	CH2CL2	2J	LT	5	UGKG	
MBLK			072588	072588	1200	WA	88WMA725 MB1	11DCE	2J	LT	5	UGKG	
MBLK			072588	072588	1200	WA	88WMA725 MB1	11DCLE	2J	LT	5	UGKG	
MBLK			072588	072588	1200	WA	88WMA725 MB1	T12DCE	2J	LT	5	UGKG	
MBLK			072588	072588	1200	WA	88WMA725 MB1	CHCL3	2J	LT	5	UGKG	

SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method #	Modifier	Result	Units	??
MBLK			072588	1200		WA	88WMA725 MB1	12DCLE	2J	LT	5	UGKG	
MBLK			072588	1200		WA	88WMA725 MB1	111TCE	2J	LT	5	UGKG	
MBLK			072588	1200		WA	88WMA725 MB1	CCL4	2J	LT	5	UGKG	
MBLK			072588	1200		WA	88WMA725 MB1	BRDCLM	2J	LT	5	UGKG	
MBLK			072588	1200		WA	88WMA725 MB1	12DCLP	2J	LT	5	UGKG	
MBLK			072588	1200		WA	88WMA725 MB1	T13DCP	2J	LT	5	UGKG	
MBLK			072588	1200		WA	88WMA725 MB1	TRCLE	2J	LT	5	UGKG	
MBLK			072588	1200		WA	88WMA725 MB1	DBRCLM	2J	LT	5	UGKG	
MBLK			072588	1200		WA	88WMA725 MB1	112TCE	2J	LT	5	UGKG	
MBLK			072588	1200		WA	88WMA725 MB1	C6H6	2J	LT	5	UGKG	
MBLK			072588	1200		WA	88WMA725 MB1	13DCPC	2J	LT	5	UGKG	
MBLK			072588	1200		WA	88WMA725 MB1	2CLEVE	2J	LT	10	UGKG	
MBLK			072588	1200		WA	88WMA725 MB1	CHBR3	2J	LT	5	UGKG	
MBLK			072588	1200		WA	88WMA725 MB1	TCLEE	2J	LT	5	UGKG	
MBLK			072588	1200		WA	88WMA725 MB1	TCLEA	2J	LT	5	UGKG	
MBLK			072588	1200		WA	88WMA725 MB1	MEC6H5	2J	LT	5	UGKG	
MBLK			072588	1200		WA	88WMA725 MB1	CLC6H5	2J	LT	5	UGKG	
MBLK			072588	1200		WA	88WMA725 MB1	ETC6H5	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	MEC6D8	2J		100	PER	
MBLK			072688	1200		WA	88WMA726 MB1	PBFB	2J		101	PER	
MBLK			072688	1200		WA	88WMA726 MB1	12DCD4	2J		101	PER	
MBLK			072688	1200		WA	88WMA726 MB1	CH3CL	2J	LT	10	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	CH3BR	2J	LT	10	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	C2H3CL	2J	LT	10	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	C2H5CL	2J	LT	10	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	CH2CL2	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	11DCE	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	11DCL	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	T12DCE	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	CHCL3	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	12DCLE	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	111TCE	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	CCL4	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	BRDCLM	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	12DCLP	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	T13DCP	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	TRCLE	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	DBRCLM	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	112TCE	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	C6H6	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	13DCPC	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	2CLEVE	2J	LT	10	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	CHBR3	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	TCLEE	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	TCLEA	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	MEC6H5	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	CLC6H5	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA726 MB1	ETC6H5	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA725 MB1	MEC6D8	2J		100	PER	
MBLK			072688	1200		WA	88WMA725 MB1	PBFB	2J		98	PER	
MBLK			072688	1200		WA	88WMA725 MB1	12DCD4	2J		102	PER	
MBLK			072688	1200		WA	88WMA725 MB1	CH3CL	2J	LT	10	UGKG	
MBLK			072688	1200		WA	88WMA725 MB1	CH3BR	2J	LT	10	UGKG	
MBLK			072688	1200		WA	88WMA725 MB1	C2H3CL	2J	LT	10	UGKG	
MBLK			072688	1200		WA	88WMA725 MB1	C2H5CL	2J	LT	10	UGKG	
MBLK			072688	1200		WA	88WMA725 MB1	CH2CL2	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA725 MB1	11DCE	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA725 MB1	11DCL	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA725 MB1	T12DCE	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA725 MB1	CHCL3	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA725 MB1	12DCLE	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA725 MB1	111TCE	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA725 MB1	CCL4	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA725 MB1	BRDCLM	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA725 MB1	12DCLP	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA725 MB1	T13DCP	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA725 MB1	TRCLE	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA725 MB1	DBRCLM	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA725 MB1	112TCE	2J	LT	5	UGKG	
MBLK			072688	1200		WA	88WMA725 MB1	C6H6	2J	LT	5	UGKG	

D8807048.WK1

SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method #	Modifier	Result	Units	???
ACPRB		3	7 071388	091588	1200	WA	8807 048 001	ALPHAG	9W		22	PC16	8
ACPRB		3	7 071388	091588	1200	WA	8807 048 001	BETAS	9W		11	PC16	4
ACPRB		3	7 071388	082488	1200	WA	8807 048 001	TOTRAD	9Y		7.8	PC16	0.8
ACPRB		3	7 071388	091188	1200	WA	8807 048 001	TRITIUM	9Y		0	PC16	0.6
ACPRB		3	8 071388	091588	1200	WA	8807 048 002	ALPHAG	9W		27	PC16	10
ACPRB		3	8 071388	091588	1200	WA	8807 048 002	BETAS	9W		8	PC16	4
ACPRB		3	8 071388	082488	1200	WA	8807 048 002	TOTRAD	9Y		8.9	PC16	0.8
ACPRB		3	8 071388	091188	1200	WA	8807 048 002	TRITIUM	9Y		0	PC16	0.4
ACPRB		3	9 071388	091588	1200	WA	8807 048 003	ALPHAG	9W		10	PC16	5
ACPRB		3	9 071388	091688	1200	WA	8807 048 003	BETAS	9W		9	PC16	2
ACPRB		3	9 071388	082488	1200	WA	8807 048 003	TOTRAD	9Y		5.3	PC16	0.7
ACPRB		3	9 071388	091188	1200	WA	8807 048 003	TRITIUM	9Y		0.4	PC16	0.3
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	MEC6D8	2J		101	PER	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	PBFB	2J		100	PER	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	12DCD4	2J		112	PER	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	CH3CL	2J	LT	10	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	CH3BR	2J	LT	10	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	C2H3CL	2J	LT	10	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	C2H5CL	2J	LT	10	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	CH2CL2	2J	B	18	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	11DCE	2J	LT	5	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	11DCE	2J	LT	5	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	11DCE	2J	LT	5	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	CHCL3	2J		7	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	12DCE	2J	LT	5	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	111TCE	2J	LT	5	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	CCL4	2J	LT	5	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	BRDCLM	2J	LT	5	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	12DCLP	2J	LT	5	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	T13DCP	2J	LT	5	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	TRCLE	2J	LT	5	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	DBRCLM	2J	LT	5	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	112TCE	2J	LT	5	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	C6H6	2J	LT	5	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	2CLEVE	2J	LT	10	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	CHBR3	2J	LT	5	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	TCLEE	2J	LT	5	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	TCLEA	2J	LT	5	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	MEC6H5	2J	LT	5	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	CLC6H5	2J	LT	5	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	ETC6H5	2J	LT	5	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	13DCLB	2J	LT	5	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	12DCLB	2J	LT	5	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	14DCLB	2J	LT	5	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	CCL3F	2J	LT	5	UGL	
TRIPB	LA	NK	071488	072388	1200	WA	8807 048 004	CCL2F2	2J	LT	10	UGL	
ACPRB		2	1 071488	072388	1200	WA	8807 048 005	MEC6D8	X9		128	PER	
ACPRB		2	1 071488	072388	1200	WA	8807 048 005	PBFB	X9		90	PER	
ACPRB		2	1 071488	072388	1200	WA	8807 048 005	12DCD4	X9		122	PER	
ACPRB		2	1 071488	072388	1200	WA	8807 048 005	CH3CL	X9		14	UGK6	
ACPRB		2	1 071488	072388	1200	WA	8807 048 005	CH3BR	X9	LT	14	UGK6	
ACPRB		2	1 071488	072388	1200	WA	8807 048 005	C2H3CL	X9	LT	14	UGK6	
ACPRB		2	1 071488	072388	1200	WA	8807 048 005	C2H5CL	X9	LT	14	UGK6	
ACPRB		2	1 071488	072388	1200	WA	8807 048 005	CH2CL2	X9	B	24	UGK6	
ACPRB		2	1 071488	072388	1200	WA	8807 048 005	ACET	X9	B	67	UGK6	
ACPRB		2	1 071488	072388	1200	WA	8807 048 005	CS2	X9	LT	7	UGK6	
ACPRB		2	1 071488	072388	1200	WA	8807 048 005	11DCE	X9	LT	7	UGK6	
ACPRB		2	1 071488	072388	1200	WA	8807 048 005	11DCE	X9	LT	7	UGK6	
ACPRB		2	1 071488	072388	1200	WA	8807 048 005	12DCE	X9	LT	7	UGK6	
ACPRB		2	1 071488	072388	1200	WA	8807 048 005	CHCL3	X9	LT	7	UGK6	
ACPRB		2	1 071488	072388	1200	WA	8807 048 005	12DCE	X9	LT	7	UGK6	
ACPRB		2	1 071488	072388	1200	WA	8807 048 005	MEK	X9	LT	14	UGK6	
ACPRB		2	1 071488	072388	1200	WA	8807 048 005	111TCE	X9	LT	7	UGK6	
ACPRB		2	1 071488	072388	1200	WA	8807 048 005	CCL4	X9	LT	7	UGK6	
ACPRB		2	1 071488	072388	1200	WA	8807 048 005	VINYL	X9	LT	14	UGK6	
ACPRB		2	1 071488	072388	1200	WA	8807 048 005	BRDCLM	X9	LT	7	UGK6	
ACPRB		2	1 071488	072388	1200	WA	8807 048 005	12DCLP	X9	LT	7	UGK6	
ACPRB		2	1 071488	072388	1200	WA	8807 048 005	T13DCP	X9	LT	7	UGK6	
ACPRB		2	1 071488	072388	1200	WA	8807 048 005	TRCLE	X9	LT	7	UGK6	
ACPRB		2	1 071488	072388	1200	WA	8807 048 005	DBRCLM	X9	LT	7	UGK6	

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SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method	#	Modifier	Result	Units	???
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	112TCE	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	C6H6	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	13DCPC	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	2CLEVE	X9		LT	14	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	CHBR3	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	4ME2PE	X9		LT	14	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	2HXONE	X9		LT	14	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	ACROLN	X9		LT	14	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	ACRYLO	X9		LT	14	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	CCL3F	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	TCLEE	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	TCLEA	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	MEC6H5	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	CLC6H5	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	ETC6H5	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	STYR	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	XYLEN	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	CCL2F2	X9		LT	14	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	ACETN	X9		LT	28	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	10DOME	X9		LT	14	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	MEACRY	X9		LT	28	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	DBM	X9		LT	14	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	ISOB	X9		LT	28	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	12DBE	X9		LT	28	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	2TCLEA	X9		LT	14	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	123CPR	X9		LT	14	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	DBCP	X9		LT	28	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	2CH13B	X9		LT	140	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	AYLCL	X9		LT	28	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	T14DCB	X9		LT	70	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	PRONIT	X9		LT	140	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	MEC6DB	X9			121	PER	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	P8FB	X9			87	PER	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	12DCD4	X9			126	PER	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	CH3CL	X9		LT	14	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	CH3BR	X9		LT	14	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	C2H3CL	X9		LT	14	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	C2H5CL	X9		LT	14	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	CH2CL2	X9		B	25	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	ACET	X9		B	51	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	CS2	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	11DCE	X9			93	PER	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	11DCLE	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	12DCLE	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	CHCL3	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	12DCLE	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	MEK	X9		LT	14	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	111TCE	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	CCL4	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	VINYLA	X9		LT	14	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	BRDCLN	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	12DCLP	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	T13DCP	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	TRCLE	X9			71	PER	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	DBRCLM	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	112TCE	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	C6H6	X9			106	PER	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	13DCPC	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	2CLEVE	X9		LT	14	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	CHBR3	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	4ME2PE	X9		LT	14	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	2HXONE	X9		LT	14	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	ACROLN	X9		LT	14	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	ACRYLO	X9		LT	14	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	CCL3F	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	TCLEE	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	TCLEA	X9		LT	7	UGKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	MEC6H5	X9			116	PER	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	CLC6H5	X9			100	PER	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	ETC6H5	X9		LT	7	UGKG	

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SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method	Modifier	Result	Units	???
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	STYR	X9	LT	7	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	XYLEN	X9	LT	7	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	CCL2F2	X9	LT	14	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	ACETN	X9	LT	28	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	IODOME	X9	LT	14	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	NEACRY	X9	LT	28	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	DBM	X9	LT	14	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	ISOB	X9	LT	28	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	12DBE	X9	LT	28	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	2TCLEA	X9	LT	14	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	123CPR	X9	LT	14	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	DBCP	X9	LT	28	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	2CHI3B	X9	LT	140	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	AYLCL	X9	LT	28	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	T14DCB	X9	LT	70	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	PRONIT	X9	LT	140	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	NEC6DB	X9		113	PER	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	PBF3	X9		84	PER	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	12DCD4	X9		119	PER	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	CH3CL	X9	LT	14	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	CH3BR	X9	LT	14	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	C2H3CL	X9	LT	14	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	C2H5CL	X9	LT	14	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	CH2CL2	X9	B	25	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	ACET	X9	B	23	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	CS2	X9	LT	7	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	11DCE	X9		76	PER	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	11DCLE	X9	LT	7	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	12DCLE	X9	LT	7	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	CHCL3	X9	LT	7	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	12DCLE	X9	LT	7	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	MEK	X9	LT	14	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	11ITCE	X9	LT	7	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	CCL4	X9	LT	7	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	VINYLA	X9	LT	14	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	BRDCLM	X9	LT	7	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	12DCLP	X9	LT	7	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	T13DCP	X9	LT	7	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	TRCLE	X9		72	PER	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	DBRCLM	X9	LT	7	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	112TCE	X9	LT	7	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	C6H6	X9		108	PER	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	13DCPC	X9	LT	7	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	2CLEVE	X9	LT	14	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	CHBR3	X9	LT	7	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	4ME2PE	X9	LT	14	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	2HXIONE	X9	LT	14	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	ACROLN	X9	LT	14	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	ACRYLO	X9	LT	14	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	CCL3F	X9	LT	7	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	TCLEE	X9	LT	7	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	TCLEA	X9	LT	7	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	NEC6H5	X9		114	PER	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	CLC6H5	X9		104	PER	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	ETC6H5	X9	LT	7	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	STYR	X9	LT	7	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	XYLEN	X9	LT	7	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	CCL2F2	X9	LT	14	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	ACETN	X9	LT	28	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	IODOME	X9	LT	14	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	NEACRY	X9	LT	28	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	DBM	X9	LT	14	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	ISOB	X9	LT	28	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	12DBE	X9	LT	28	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	2TCLEA	X9	LT	14	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	123CPR	X9	LT	14	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	DBCP	X9	LT	28	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	2CHI3B	X9	LT	140	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	AYLCL	X9	LT	28	USKG	
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	T14DCB	X9	LT	70	USKG	

D8807048.WK1

 ANNAH RIVER PLANT
 SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method #	Modifier	Result	Units	???	Dil
ACPRB	2	1	071488	072388	1200	WA	8807 048 005	PRONIT	X9	LT	140	UGKG		
ACPRB	2	1	071488	080888	1200	WA	8807 048 005	24D	X9	LT	280	UGKG		
ACPRB	2	1	071488	080888	1200	WA	8807 048 005	SILVEX	X9	LT	140	UGKG		
ACPRB	2	1	071488	080888	1200	WA	8807 048 005	245T	X9	LT	140	UGKG		
ACPRB	2	1	071488	080888	1200	WA	8807 048 005	24D	X9	LT	280	UGKG		
ACPRB	2	1	071488	080888	1200	WA	8807 048 005	SILVEX	X9	LT	140	UGKG		
ACPRB	2	1	071488	080888	1200	WA	8807 048 005	245T	X9	LT	140	UGKG		
ACPRB	2	1	071488	080888	1200	WA	8807 048 005	24D	X9		91	PER		
ACPRB	2	1	071488	080888	1200	WA	8807 048 005	SILVEX	X9		113	PER		
ACPRB	2	1	071488	080888	1200	WA	8807 048 005	245T	X9		104	PER		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	TEPP	X9	LT	46	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	THNZ	X9	LT	46	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	PHORAT	X9	LT	9.7	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	STPP	X9	LT	46	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	DISFTN	X9	LT	9.7	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	DINET	X9	LT	46	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	PRTHNM	X9	LT	9.7	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	PRTHN	X9	LT	9.7	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	FAMP	X9	LT	93	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	TEPP	X9	LT	46	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	THNZ	X9	LT	46	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	PHORAT	X9	LT	9.7	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	STPP	X9	LT	46	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	DISFTN	X9	LT	9.7	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	DINET	X9	LT	46	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	PRTHNM	X9	LT	9.7	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	PRTHN	X9	LT	9.7	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	FAMP	X9	LT	93	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	TEPP	X9	LT	46	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	THNZ	X9	LT	46	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	PHORAT	X9	LT	9.7	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	STPP	X9	LT	46	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	DISFTN	X9	LT	9.7	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	DINET	X9	LT	46	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	PRTHNM	X9		111	PER		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	PRTHN	X9	LT	9.7	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	FAMP	X9	LT	93	UGKG		
ACPRB	2	1	071488	080588	1200	WA	8807 048 005	DIAZ	X9		161	PER		
ACPRB	2	1	071488	080488	1200	WA	8807 048 005	CTCDD	X9		93	PER		
ACPRB	2	1	071488	080488	1200	WA	8807 048 005	COCDD	X9		85	PER		
ACPRB	2	1	071488	080488	1200	WA	8807 048 005	TCDD	X9	LT	0.02	NGG		
ACPRB	2	1	071488	080488	1200	WA	8807 048 005	PDBPD	X9	LT	0.02	NGG		
ACPRB	2	1	071488	080488	1200	WA	8807 048 005	TCDF	X9	LT	0.03	NGG		
ACPRB	2	1	071488	080488	1200	WA	8807 048 005	PDBDF	X9	LT	0.03	NGG		
ACPRB	2	1	071488	080488	1200	WA	8807 048 005	CTCDD	X9		74	PER		
ACPRB	2	1	071488	080488	1200	WA	8807 048 005	COCDD	X9		81	PER		
ACPRB	2	1	071488	080488	1200	WA	8807 048 005	TCDD	X9	LT	0.01	NGG		
ACPRB	2	1	071488	080488	1200	WA	8807 048 005	PDBPD	X9	LT	0.01	NGG		
ACPRB	2	1	071488	080488	1200	WA	8807 048 005	TCDF	X9	LT	0.02	NGG		
ACPRB	2	1	071488	080488	1200	WA	8807 048 005	PDBDF	X9	LT	0.02	NGG		
ACPRB	2	1	071488	080488	1200	WA	8807 048 005	CTCDD	X9		101	PER		
ACPRB	2	1	071488	080488	1200	WA	8807 048 005	COCDD	X9		98	PER		
ACPRB	2	1	071488	080488	1200	WA	8807 048 005	TCDD	X9		86	PER		
ACPRB	2	1	071488	080488	1200	WA	8807 048 005	PDBPD	X9	LT	0.02	NGG		
ACPRB	2	1	071488	080488	1200	WA	8807 048 005	TCDF	X9	LT	0.05	NGG		
ACPRB	2	1	071488	080488	1200	WA	8807 048 005	PDBDF	X9	LT	0.05	NGG		
ACPRB	2	1	071488	091588	1200	WA	8807 048 005	ALPHAG	9W		16	PCIG		6
ACPRB	2	1	071488	091588	1200	WA	8807 048 005	BETAG	9W		5	PCIG		4
ACPRB	2	1	071488	082488	1200	WA	8807 048 005	TOTRAD	9Y		7.9	PCIG		0.8
ACPRB	2	1	071488	091188	1200	WA	8807 048 005	TRITIU	9Y		0	PCIM		1.1
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	MEC6D8	2J		104	PER		
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	PRFB	2J		106	PER		
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	120CD4	2J		118	PER		
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	CH3CL	2J	LT	11	UGKG		
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	CH3BR	2J	LT	11	UGKG		
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	C2H3CL	2J	LT	11	UGKG		
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	C2H5CL	2J	LT	11	UGKG		
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	CH2CL2	2J	B	17	UGKG		
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	11DCE	2J	LT	6	UGKG		
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	11DCE	2J	LT	6	UGKG		

DB80704B.WK1

SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method #	Modifier	Result	Units	???
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	T12DCE	2J	LT	6	UGKG	
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	CHCL3	2J	LT	6	UGKG	
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	12DCLE	2J	LT	6	UGKG	
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	111TCE	2J	LT	6	UGKG	
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	CCL4	2J	LT	6	UGKG	
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	BRDCLM	2J	LT	6	UGKG	
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	12DCLP	2J	LT	6	UGKG	
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	T13DCP	2J	LT	6	UGKG	
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	TRCLE	2J	LT	6	UGKG	
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	DBRCLM	2J	LT	6	UGKG	
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	112TCE	2J	LT	6	UGKG	
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	C6H6	2J	LT	6	UGKG	
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	2CLEVE	2J	LT	11	UGKG	
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	CHBR3	2J	LT	6	UGKG	
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	TCLEE	2J	LT	6	UGKG	
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	TCLEA	2J	LT	6	UGKG	
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	NEC6H5	2J	LT	6	UGKG	
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	CLC6H5	2J	LT	6	UGKG	
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	ETC6H5	2J	LT	6	UGKG	
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	13DCLB	2J	LT	6	UGKG	
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	12DCLB	2J	LT	6	UGKG	
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	14DCLB	2J	LT	6	UGKG	
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	CCL3F	2J	LT	6	UGKG	
ACPRB	2	2	071488	072388	1200	WA	8807 048 007	CCL2F2	2J	LT	11	UGKG	
ACPRB	2	2	071488	091588	1200	WA	8807 048 007	ALPHA6	9W		14	PC16	6
ACPRB	2	2	071488	091588	1200	WA	8807 048 007	BETA6	9W		12	PC16	4
ACPRB	2	2	071488	082488	1200	WA	8807 048 007	TOTRAD	9Y		8.1	PC16	0.8
ACPRB	2	2	071488	091188	1200	WA	8807 048 007	TRITIU	9Y		0	PC1M	0.3
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	NEC6D8	2J		103	PER	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	PBFB	2J		110	PER	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	12DCD4	2J		119	PER	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	CH3CL	2J	LT	12	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	CH3BR	2J	LT	12	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	C2H3CL	2J	LT	12	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	C2H5CL	2J	LT	12	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	CH2CL2	2J	B	18	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	11DCE	2J	LT	6	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	11DCLE	2J	LT	6	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	T12DCE	2J	LT	6	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	CHCL3	2J	LT	6	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	12DCLE	2J	LT	6	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	111TCE	2J	LT	6	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	CCL4	2J	LT	6	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	BRDCLM	2J	LT	6	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	12DCLP	2J	LT	6	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	T13DCP	2J	LT	6	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	TRCLE	2J	LT	6	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	DBRCLM	2J	LT	6	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	112TCE	2J	LT	6	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	C6H6	2J	LT	6	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	2CLEVE	2J	LT	12	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	CHBR3	2J	LT	6	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	TCLEE	2J	LT	6	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	TCLEA	2J	LT	6	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	NEC6H5	2J	LT	6	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	CLC6H5	2J	LT	6	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	ETC6H5	2J	LT	6	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	13DCLB	2J	LT	6	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	12DCLB	2J	LT	6	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	14DCLB	2J	LT	6	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	CCL3F	2J	LT	6	UGKG	
ACPRB	2	3	071488	072388	1200	WA	8807 048 008	CCL2F2	2J	LT	12	UGKG	
ACPRB	2	3	071488	091588	1200	WA	8807 048 008	ALPHA6	9W		16	PC16	6
ACPRB	2	3	071488	091588	1200	WA	8807 048 008	BETA6	9W		12	PC16	4
ACPRB	2	3	071488	082488	1200	WA	8807 048 008	TOTRAD	9Y		7.9	PC16	0.8
ACPRB	2	3	071488	091188	1200	WA	8807 048 008	TRITIU	9Y		0	PC1M	0.3
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	NEC6D8	2J		95	PER	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	PBFB	2J		100	PER	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	12DCD4	2J		105	PER	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	CH3CL	2J	LT	12	UGKG	

D8807048.WK1

JAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method	Modifier	Result	Units	???
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	CH3BR	2J	LT	12	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	C2H3CL	2J	LT	12	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	C2H5CL	2J	LT	12	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	CH2CL2	2J	B	17	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	11DCE	2J	LT	6	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	11DCE	2J	LT	6	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	T12DCE	2J	LT	6	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	CHCL3	2J	LT	6	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	12DCE	2J	LT	6	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	111TCE	2J	LT	6	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	CCL4	2J	LT	6	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	BRDCLM	2J	LT	6	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	12DCLP	2J	LT	6	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	T13DCP	2J	LT	6	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	TRCLE	2J	LT	6	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	DBRCLM	2J	LT	6	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	112TCE	2J	LT	6	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	C6H6	2J	LT	6	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	2CLEVE	2J	LT	12	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	CHBR3	2J	LT	6	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	TCLEE	2J	LT	6	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	TCLEA	2J	LT	6	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	MEC6H5	2J	LT	6	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	CLC6H5	2J	LT	6	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	ETC6H5	2J	LT	6	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	13DCLB	2J	LT	6	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	12DCLB	2J	LT	6	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	14DCLB	2J	LT	6	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	CCL3F	2J	LT	6	UGK6	
ACPRB	2	4	071488	072388	1200	WA	8807 048 009	CCL2F2	2J	LT	12	UGK6	
ACPRB	2	4	071488	091588	1200	WA	8807 048 009	ALPHA6	9W		30	PC16	8
ACPRB	2	4	071488	091588	1200	WA	8807 048 009	BETA6	9W		8	PC16	4
ACPRB	2	4	071488	082488	1200	WA	8807 048 009	TOTRAD	9Y		9.4	PC16	0.9
ACPRB	2	4	071488	091188	1200	WA	8807 048 009	TRITIU	9Y		0	PC16	0.3
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	MEC6D8	2J		102	PER	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	PBF6	2J		104	PER	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	12DCD4	2J		113	PER	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	CH3CL	2J	LT	12	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	CH3BR	2J	LT	12	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	C2H3CL	2J	LT	12	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	C2H5CL	2J	LT	12	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	CH2CL2	2J	B	17	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	11DCE	2J	LT	6	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	11DCE	2J	LT	6	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	T12DCE	2J	LT	6	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	CHCL3	2J	LT	6	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	12DCE	2J	LT	6	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	111TCE	2J	LT	6	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	CCL4	2J	LT	6	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	BRDCLM	2J	LT	6	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	12DCLP	2J	LT	6	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	T13DCP	2J	LT	6	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	TRCLE	2J	LT	6	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	DBRCLM	2J	LT	6	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	112TCE	2J	LT	6	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	C6H6	2J	LT	6	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	2CLEVE	2J	LT	12	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	CHBR3	2J	LT	6	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	TCLEE	2J	LT	6	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	TCLEA	2J	LT	6	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	MEC6H5	2J	LT	6	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	CLC6H5	2J	LT	6	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	ETC6H5	2J	LT	6	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	13DCLB	2J	LT	6	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	12DCLB	2J	LT	6	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	14DCLB	2J	LT	6	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	CCL3F	2J	LT	6	UGK6	
ACPRB	2	5	071488	072388	1200	WA	8807 048 010	CCL2F2	2J	LT	12	UGK6	
ACPRB	2	5	071488	091588	1200	WA	8807 048 010	ALPHA6	9W		19	PC16	8
ACPRB	2	5	071488	091588	1200	WA	8807 048 010	BETA6	9W		9	PC16	4

Facility	Core	Sample#	Date	Analysis Date	Time	Lab	Lab I.D.	Test	Method & Modifier	Result	Units
ACPRB		2	5 071488	082488	1200	MA	8807 048 010	TORAD	9Y	12 PC16	1
ACPRB		2	5 071488	091188	1200	WA	8807 048 010	TR11U	9Y	0 PC1M	0.3
MBLK				072388	1200	NA	88V80099	MB1	MEC4D8	107 PER	
MBLK				072388	1200	NA	88V80099	MB1	PBF8	115 PER	
MBLK				072388	1200	NA	88V80099	MB1	CH3CL	10 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	CH3BR	10 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	C2H3CL	10 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	C2H5CL	10 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	CH2CL2	29 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	CS2	73 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	11BC	5 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	11PCLE	5 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	12DCLE	5 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	CHCL3	5 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	12DCLE	5 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	MEX	5 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	11ITTE	10 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	CEL4	5 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	VINYL	10 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	BROCLM	5 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	12DCLP	5 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	113DCP	5 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	TRCLE	5 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	DRECLM	5 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	112TCE	5 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	CMH6	5 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	13DCPC	5 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	ZCLEVE	10 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	CHBR3	5 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	4MEZPE	10 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	ZHXONE	10 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	ACRDLN	10 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	ACRYLO	10 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	CCL3F	5 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	TCLEE	5 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	TCLEA	5 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	MECAH5	5 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	CLCAM5	5 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	ETCAM5	5 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	STYR	5 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	XYLEN	5 UGK6	
MBLK				072388	1200	NA	88V80099	MB1	CCLZF2	10 UGK6	
MBLK				072388							

D8807094.WK1

SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method #	Modifier	Result	Units	??
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	MEC6B8	2J		96	PER	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	PBFB	2J		106	PER	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	12DCB4	2J		121	PER	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	CH3CL	2J	LT	12	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	CH3BR	2J	LT	12	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	C2H3CL	2J	LT	12	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	C2H3CL	2J	LT	12	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	CH2CL2	2J	B	21	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	11DCE	2J	LT	6	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	11DCLE	2J	LT	6	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	T12DCE	2J	LT	6	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	CHCL3	2J	LT	6	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	12DCLE	2J	LT	6	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	111TCE	2J	LT	6	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	CCL4	2J	LT	6	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	BRDCLM	2J	LT	6	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	12DCLP	2J	LT	6	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	T13DCP	2J	LT	6	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	TRCLE	2J	LT	6	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	DBRCLM	2J	LT	6	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	112TCE	2J	LT	6	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	C6H6	2J	LT	6	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	13DCPC	2J	LT	6	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	2CLEVE	2J	LT	12	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	CHBR3	2J	LT	6	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	TCLEE	2J	LT	6	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	TCLEA	2J	LT	6	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	MEC6H5	2J	LT	6	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	CLC6H5	2J	LT	6	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	ETC6H5	2J	LT	6	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	13DCLB	2J	LT	6	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	12DCLB	2J	LT	6	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	14DCLB	2J	LT	6	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	CCL3F	2J	LT	6	USKG	
ACPRB	2	6	071588	072888	1200	WA	8807 094 001	CCL2F2	2J	LT	12	USKG	
ACPRB	2	6	071588	091488	1200	WA	8807 094 001	ALPHA6	9W		26	PCIG	9
ACPRB	2	6	071588	091488	1200	WA	8807 094 001	BETAG	9W		5	PCIG	4
ACPRB	2	6	071588	082488	1200	WA	8807 094 001	TOTRAD	9Y		8.1	PCIG	0.8
ACPRB	2	6	071588	091188	1200	WA	8807 094 001	TRITIUM	9Y		0	PCIM	0.4
ACPRB	2	7	071588	091488	1200	WA	8807 094 002	ALPHA6	9W		10	PCIG	7
ACPRB	2	7	071588	091488	1200	WA	8807 094 002	BETAG	9W		14	PCIG	4
ACPRB	2	7	071588	082488	1200	WA	8807 094 002	TOTRAD	9Y		5.3	PCIG	0.7
ACPRB	2	7	071588	091188	1200	WA	8807 094 002	TRITIUM	9Y		0.3	PCIM	0.3
ACPRB	2	8	071588	091488	1200	WA	8807 094 003	ALPHA6	9W		10	PCIG	4
ACPRB	2	8	071588	091488	1200	WA	8807 094 003	BETAG	9W		5	PCIG	4
ACPRB	2	8	071588	082488	1200	WA	8807 094 003	TOTRAD	9Y		4.2	PCIG	0.6
ACPRB	2	8	071588	091188	1200	WA	8807 094 003	TRITIUM	9Y		0.6	PCIM	0.3
ACPRB	2	9	071588	091488	1200	WA	8807 094 004	ALPHA6	9W		10	PCIG	4
ACPRB	2	9	071588	091988	1200	WA	8807 094 004	BETAG	9W		3	PCIG	2
ACPRB	2	9	071588	082488	1200	WA	8807 094 004	TOTRAD	9Y		3.1	PCIG	0.6
ACPRB	2	9	071588	091188	1200	WA	8807 094 004	TRITIUM	9Y		0.5	PCIM	0.3

APPENDIX A-5

COAL PILE RAINFALL RUNOFF ANALYSIS

TABLE III

ANALYSES FOR COAL PILE RAINFALL RUNOFF
SPECIFIED BY PTM-24

Titration curve	Total arsenic
pH	Total cadmium
Suspended solids	Total chromium
Total dissolved solids	Total copper
Total sulfate	Total iron
Total Kjeldahl nitrogen	Total lead
Total Nitrate nitrogen	Total nickel
Total Phosphate	Total selenium
Total Mercury	Total zinc

TABLE IV

SUMMARY OF COAL PILE RAINFALL RUNOFF ANALYSES
(Dates Sampled: 12/1/78 and 12/4/78)

Parameter	A Area		P Area		D Area	
	1	2	1	2	1	2
pH	2.80	3.35	2.56	3.78	2.57	3.08
Susp. Solids, mg/l	25	3	218	5	10	30
Dissolved Solids, mg/l	5,440	553	700	350	660	480
Total Sulfate, mg/l	442.5	4275	4825	275	4600	360
Total Kjeldahl/N mg/l	.45	.56	.90	.39	.79	.28
Total Nitrate N mg/l	.7	1.0	.8	.6	0.7	0.5
Total Phosphate, mg/l	0.4	<0.3	.5	<.3	<0.3	<0.3
Total Mercury, µg/l	<.2	<.2	<.2	<.2	<.2	<.2
Total Arsenic, µg/l	2000	20	1000	<10	350	15
Total Cadmium, µg/l	10	<10	10	<10	10	<10
Total Chromium, µg/l	375	55	450	25	400	40
Total Vanadium, µg/l	750	125	1500	100	1500	100
Total Copper, µg/l	1600	80	2000	30	1000	45
Total Iron, µg/l	500,000	25,000	700,000	1500	280,000	17,500
Total Lead, µg/l	<10	<10	<10	<10	<10	<10
Total Nickel, µg/l	8000	750	3000	250	3000	500
Total Selenium, µg/l	60	<10	90	<10	75	<10
Total Zinc, µg/l	7000	1000	10,000	500	15,000	500

Note: 1 sampled near influent, 2 sampled near effluent

TABLE V

A-AREA COAL PILE RAINFALL RUNOFF
Sampled 3/23/79

Parameter	8:45 AM	9:45 AM	12:45 PM
pH	2.42	2.41	2.49
Suspended Solids, mg/l	44.6	15.8	39.4
Dissolved Solids, mg/l	14,400	18,700	9,700
Total Sulfate, mg/l	7,100	8,400	4,900
Total Kjeldahl N, mg/l	1.01	1.38	0.02
Total Nitrate N, mg/l	4.9	10.6	58.9
Total Phosphate, mg/l	10.0	14.6	8.6
Total Mercury, µg/l	0.3	<0.2	<0.2
Total Arsenic, µg/l	3400	4300	1280
Total Cadmium, µg/l	13	26	13
Total Chromium, µg/l	1050	1200	500
Total Vanadium, µg/l	100	86	64
Total Copper, µg/l	2500	4600	1500
Total Iron, µg/l	1,320,000	1,200,000	1,000,000
Total Lead, µg/l	<10	<10	<10
Total Nickel, µg/l	4400	5600	3400
Total Selenium, µg/l	<10	<10	<10
Total Zinc, µg/l	10,000	12,000	9,0000

APPENDIX B

D-AREA

APPENDIX B-1

**QUARTERLY GROUNDWATER DATA
from D-AREA COAL PILE RUNOFF BASIN
DCB MONITOR WELLS**

D-AREA COAL PILE RUNOFF and ASH BASIN MONITOR WELLS

	Water Elevation(ft)	Water Depth (feet)	pH	Specific Cond. (UMHO)	Sulfate (UG/L)	Iron (UG/L)	TOC (UG/L)	Nickel (UG/L)	Chromium (UG/L)	Arsenic (UG/L)	Barium (UG/L)	Cadmium (UG/L)	Lead (UG/L)	Mercury (UG/L)	Selenium (UG/L)	Silver (UG/L)	Endrin (UG/L)	Lindane (UG/L)	Methoxychlor (UG/L)	Toxaphene (UG/L)
DW Stand.			6.5-8.5		250000	300			50	50	1000	10	50	2	10	50	0.2	4	100	5
RCRA(AIX)								50	70	500	20	40	40	2	750	70	0.1		2	2
SRS Bkgd.			5.2-6.3	50	5-10000	25		<4.0	<4.0	<1.0	25	<2.0	10 to 15	<0.20	<2.0	<2.0				
DCB-1A																				
1/86	115.90	11.20	2.70	3880	4500000	151000	5000		125			26	101							
2/86	114.70	12.40	2.70	3440				1420			11			-0.2	4	39				
3/86	114.65	12.45	2.60	5200	4680000		8000	2990	232			46	-50	0.74	7					
4/86	113.85	13.25	2.70	5500																
1/87	116.84	10.26	2.40	9400	7840000	1690000	7000	7020	196	2	9	-80	310	-0.2	6	15				
2/87	115.61	11.49	2.40	7250																
3/87	114.74	12.36	2.90	6950	4160000	420000	6000	3520	97			28	8	0.51	4	10				
4/87	114.26	12.84	2.30	5310																
1/88	114.12	12.98	2.40	4930	4280000	107000	4700	1420	202		13	37	-6	0.36	27	13				
2/88	114.51	12.59	2.40	4800	4243000	214000														
3/88	114.35	12.75	1.80	5100	3590000	198000		1030	30	-20		23	36	-0.2	-2	-2				
4/88	113.94	13.16	2.10	5940																
1/89	113.73	13.37	2.60	4600	3176000	23500	4100	1630	12	277	21	17	-6	0.2	-2	6				
Negative sign (-) denotes less than (<)																				
DCB-2A																				
1/86	125.60	8.70	4.40	40	-5000	112	-1000		-4			-2	-10							
2/86	124.10	10.20	4.90	38				4			24			-0.2	-2	-2				
3/86	123.30	11.00	4.70	45	3000		-1000	6	-4			-2	28	-0.2	-2					
4/86	122.27	12.03	3.90	50																
1/87	125.36	8.94	4.90	49	-5000	248	1500	-4	-4	-2	29	-2	8	-0.2	-2	-2				
2/87	125.76	8.54	4.90	47																
3/87	124.04	10.26	5.50	52	-5000	24	-1000	-4	-4			-2	20	-0.2	-2	-2				
4/87	123.19	11.11	5.00	44																
1/88	123.10	11.20	5.90	52	-5000	20	-1000	9	-4		28	-2	18	-0.2	-2	-2				
2/88	123.13	11.17	5.00	43	-5000	1000														
3/88	123.03	11.27	4.60	46	9200	117		-4	-4	-2		-2	75	-0.2	-2	-2				
4/88	122.68	11.62	4.70	54																
1/89	122.13	12.17	4.90	50	-5000	41	-1000	12	-4	-2	27	-2	21	-0.2	-2	-2				

D-AREA COAL PILE RUNOFF and BASIN MONITOR WELLS

	Water Elevation(ft)	Water Depth (feet)	pH	Specific Cond. (UMHO)	Sulfate (UG/L)	Iron (UG/L)	TOC (UG/L)	Nickel (UG/L)	Chromium (UG/L)	Arsenic (UG/L)	Barium (UG/L)	Cadmium (UG/L)	Lead (UG/L)	Mercury (UG/L)	Selenium (UG/L)	Silver (UG/L)	Endrin (UG/L)	Lindane (UG/L)	Methoxychlor (UG/L)	Toxaphene (UG/L)
DW Stand			6.5-8.5		250000	300			50	50	1000	10	50	2	10	50	0.2	4	100	5
RCRA(AIX)								50	70	500	20	40	40	2	750	70	0.1		2	2
SRS Bkwd.			5.2-8.3	50	5-10000	25		<4.0	<4.0	<1.0	25	<2.0	10 to 15	<0.20	<2.0	<2.0				
DCB-3A																				
1/86	121.50	11.50	4.30	80	34000	61	-1000		-4			-2	-10							
2/86	119.70	13.30	4.90	55				-4			37			-0.2	-2	-2				
3/86	119.17	13.83	4.90	68	12000		-1000	-4	-4			-2	8	-0.2	-2					
4/86	118.48	14.52	4.30	61																
1/87	122.23	10.77	5.00	122	23500	97	1600	-4	-4	-2	82	2	-6	-0.2	-2	-2				
2/87	121.24	11.76	5.10	81																
3/87	120.03	12.97	4.90	64	10000	304	1900	-4	-4			-2	7	-0.2	-2	-2				
4/87	119.09	13.91	5.10	69																
1/88	118.91	14.09	5.20	62	12000	81	3100	-4	-4		32	-2	-6	-0.2	-2	-2				
2/88	119.06	13.94	5.20	53	9300	521														
3/88	118.66	14.34	4.70	136	33600	580		26	-4	-2		-2	21	-0.2	-2	-2				
4/88	118.54	14.46	4.90	94																
1/89	119.07	13.93	4.80	81	16000	80	-5000	-50	-50	-5	-100	-10	-100	-0.2	-10	-10				
DCB-4A																				
1/86	119.10	10.40	4.30	400	290000	49	-1000		-4			1	-10							
2/86	118.50	11.00	4.60	380				30			122			-0.2	-2	-2				
3/86	118.50	11.00	4.10	580	190000		-1000	62	-4			-2	16	-0.2	3					
4/86	117.46	12.04	4.30	741																
1/87	119.33	10.17	4.30	570	260000	136	1000	47	-4	-2	197	-2	7	-0.2	-2	-2				
2/87	119.41	10.09	4.40	575																
3/87	118.47	11.03	4.20	760	406000	83	1400	119	-4			3	13	-0.2	-2	-2				
4/87	118.23	11.27	4.20	824																
1/88	117.94	11.56	4.30	448	1110000	11	-1000	90	9		52	3	10	0.65	-2	2				
2/88	118.22	11.28	4.40	490	371000	245														
3/88	116.80	12.70	4.30	445	275000	544		114	-4	-2		3	27	-0.2	-2	-2				
4/88	117.98	11.52	4.00	830																
1/89	117.61	11.89	4.40	595	326000	243	-1000	191	-4	9	60	2	10	-0.2	-2	-2				

D-AREA COAL PILE RUNOFF and ASH BASIN MONITOR WELLS

	Water Elevation(ft)	Water Depth (feet)	pH	Specific Cond. (UMHO)	Sulfate (UG/L)	Iron (UG/L)	TOC (UG/L)	Nickel (UG/L)	Chromium (UG/L)	Arsenic (UG/L)	Barium (UG/L)	Cadmium (UG/L)	Lead (UG/L)	Mercury (UG/L)	Selenium (UG/L)	Silver (UG/L)	Endrin (UG/L)	Undane (UG/L)	Methoxychlc (UG/L)	Toxaphene (UG/L)
DW Stand.			6.5-8.5		250000	300			50	50	1000	10	50	2	10	50	0.2	4	100	5
RCRA(AIX)								50	70	500	20	40	40	2	750	70	0.1			
SRS Bkgd.			5.2-6.3	50	5-100000	25		<4.0	<4.0	<1.0	25	<2.0	10 to 15	<0.20	<2.0	<2.0				
DCB-5A																				
1/86	119.10	3.80	5.00	348	203000	416	-1000		-4			-1	18							
2/86	117.90	5.00	5.30	340				31			51			-0.2	-2	3				
3/86	118.13	4.77	4.90	400	243000		-1000	45	-4			-2	11	0.26	-2					
4/86	117.71	5.19	4.60	480																
1/87	119.49	3.41	4.70	585	244000	8740	1000	105	-4	-2	50	-2	22	-0.2	-2	-2				
2/87	119.16	3.74	5.30	540																
3/87	118.55	4.35	5.80	580	235000	546	1400	85	-4			-2	-6	-0.2	-2	-2				
4/87	117.91	4.99	5.10	577																
1/88	117.50	5.40	5.10	518	250000	39	1000	53	-4		46	-2	-6	0.33	-2	2				
2/88	117.91	4.99	5.20	490	232000	48														
3/88	117.83	5.07	5.20	505	213000	56		53	-4	-2		-2	18	-0.2	-2	-2				
4/88	117.47	5.43	4.90	606																
1/89	116.94	5.96	5.00	545	258000	75	-1000	53	-4	-2	40	-2	7	-0.2	-2	4				
DCB-6																				
1/86																				
2/86																				
3/86																				
4/86																				
1/87																				
2/87																				
3/87																				
4/87	115.60	17.60	3.60	4100	2700000	99100	5400		488	-2	20	-2	-6	-0.2	-2	11	-1	-0.5	-5	-10
1/88	115.52	17.68	3.20	3330	3120000	31000	3100	778	176	-2	18	16	18	0.48	-2	10				
2/88	115.55	17.63	3.30	3450	2864000	73600	3100		60	150	18	20	22	0.38	-2	10				
3/88	115.65	17.55	2.50	3800	2950000	17100	3700	481	174	10	16	12	31	-0.2	-2	2				
4/88	114.72	18.48	3.30	3700																
1/89	114.86	18.34	3.50	3400	2337000	26700	2800	2040	2760	70	15	8	54	-0.2	2	-2				

D-AREA COAL PILE RUNOFF and ASH BASIN MONITOR WELLS

	Water Elevation (ft)	Water Depth (feet)	pH	Specific Cond. (UMHO)	Sulfate (UG/L)	Iron (UG/L)	TOC (UG/L)	Nickel (UG/L)	Chromium (UG/L)	Arsenic (UG/L)	Barium (UG/L)	Cadmium (UG/L)	Lead (UG/L)	Mercury (UG/L)	Selenium (UG/L)	Silver (UG/L)	Endrin (UG/L)	Lindane (UG/L)	Methoxychlor (UG/L)	Toxaphene (UG/L)
DW Stand.		6.5-8.5			250000	300			50	50	1000	10	50	2	10	50	0.2	4	100	5
RCRA(AIX)								50	70	500	20	40	40	2	750	70	0.1		2	2
SRS Bkgd.		5.2-6.3		50	5-10000	25		<4.0	<4.0	<1.0	25	<2.0	10 to 15	<0.20	<2.0	<2.0				
DCB-7																				
1/86																				
2/86																				
3/86																				
4/86																				
1/87																				
2/87																				
3/87																				
4/87	116.80	16.00	3.40	1608	1120000	21100	2400		4	15	24	4	-6	0.28	-2	3	-0.1	-0.05	-0.5	-1
1/88	116.50	16.30	2.90	1870	1005000	37500	1300	634	223	-2	35	17	-6	0.29	-2	5				
2/88	116.65	16.15	2.90	2300	1238000	71600	3700		26	-2	21	14	14	0.35	-2	6				
3/88	116.80	16.00	2.40	4700	2950000	373000	2200	1370	6	-2	24	31	63	-0.2	-2	8				
4/88	115.78	17.02	3.20	1860																
1/89	115.97	16.83	3.40	1870	1268000	44400	1500	828	340	115	24	7	-6	-0.2	-2	-2				
DCB-8																				
1/86																				
2/86																				
3/86																				
4/86																				
1/87																				
2/87																				
3/87																				
4/87	124.38	12.42	5.30	40	-5000	70	1600		-4	-2	14	-2	-6	-0.2	-2	-2	-0.1	-0.05	-0.5	-1
1/88	124.34	12.46	6.50	42	-5000	28	-1000	6	-4	-2	14	-2	-6	-0.2	-2	-2				
2/88	124.44	12.36	5.00	34	-5000	56	-1000		-4	-2	16	-2	-6	-0.2	-2	-2				
3/88	124.36	12.44	5.20	37	-5000	115	-1000	-4	-4	-2	14	-2	-6	-0.2	-2	-2				
4/88	123.87	12.93	4.70	55																
1/89	123.47	13.33	4.90	42	-5000	83	-1000	5	-4	-2	16	-2	-6	-0.2	-2	-2				

D-AREA COAL PILE RUNOFF and BASIN MONITOR WELLS

	Water Elevation(ft)	Water Depth (feet)	pH	Specific Cond. (UMHO)	Sulfate (UG/L)	Iron (UG/L)	TOC (UG/L)	Nickel (UG/L)	Chromium (UG/L)	Arsenic (UG/L)	Barium (UG/L)	Cadmium (UG/L)	Lead (UG/L)	Mercury (UG/L)	Selenium (UG/L)	Silver (UG/L)	Endrin (UG/L)	Lindane (UG/L)	Methoxychlor (UG/L)	Toxaphene (UG/L)
DW Stand.		6.5-8.5			250000	300			50	50	1000	10	50	2	10	50	0.2	4	100	5
RCRA(AIX)								50	70	500	20	40	40	2	750	70	0.1		2	2
SRS Bkgd.		5.2-6.3		50	5-10000	25		<4.0	<4.0	<1.0	25	<2.0	10 to 15	<0.20	<2.0	<2.0				
DCB-9																				
1/86																				
2/86																				
3/86																				
4/86																				
1/87																				
2/87																				
3/87																				
4/87	113.64	8.66	3.30	2020	1080000	18500	2400		15	30	22	4	-6	0.89	-2	6	-0.1	-0.05	-0.5	-1
1/88	113.62	8.68	3.10	1981	1220000	8140	1300	548	65	-2	21	14	-6	0.98	-2	7				
2/88	113.81	8.49	3.40	1480	838000	3900	1300		17	-2	32	8	26	0.79	-2	5				
3/88	113.80	8.70	3.40	1400	792000	198	1500	330	-4	10	32	8	23	0.36	-2	26				
4/88	112.88	9.42	3.70	1395																
1/89	114.03	8.27	3.30	1698	1600000	1700	-5000	440	-50	-5	-100	-10	-100	0.5	-20	-10				
DCB-10																				
1/86																				
2/86																				
3/86																				
4/86																				
1/87																				
2/87																				
3/87																				
4/87	113.99	9.01	2.60	3580	1540000	77000	3200		76	24	13	7	-6	-0.2	-2	6	-0.1	-0.05	-0.5	-1
1/88	113.68	10.22	2.60	2950	2050000	30500	2700	1950	226	-10	10	24	-6	-0.2	-2	9				
2/88	114.06	9.84	2.70	3600	3102000	42600	4400		107	249	13	28	-6	-0.2	-2	10				
3/88	114.05	9.85	2.40	6100	4670000	286000	10500	6710	854	175	11	42	52	-0.2	-2	4				
4/88	112.77	11.13	2.40	5900																
1/89	112.95	10.95	2.40	5200	4056000	249000	4900	2650	794	184	30	18	-60	-0.2	-2	3				

D-AREA COAL PILE RUNOFF and ASH BASIN MONITOR WELLS

	Water Elevation(ft)	Water Depth (feet)	pH	Specific Cond. (UMHO)	Sulfate (UG/L)	Iron (UG/L)	TOC (UG/L)	Nickel (UG/L)	Chromium (UG/L)	Arsenic (UG/L)	Barium (UG/L)	Cadmium (UG/L)	Lead (UG/L)	Mercury (UG/L)	Selenium (UG/L)	Silver (UG/L)	Endrin (UG/L)	Lindane (UG/L)	Methoxychlc (UG/L)	Tozaphene (UG/L)
DW Stand.			6.5-8.5		250000	300		50	50	1000	10	50	2	10	50	0.2	4	100	5	
RCRA(AIX)								50	70	500	20	40	40	2	750	70	0.1		2	2
SRS Bkgd.			5.2-6.3	50	5-100000	25		<4.0	<4.0	<1.0	25	<2.0	10 to 15	<0.20	<2.0	<2.0				
DCB-11																				
1/86																				
2/86																				
3/86																				
4/86																				
1/87																				
2/87																				
3/87																				
4/87	120.83	9.77	5.40	4680	2827000	172000	2400		200	3	48	32	20	-0.2	-2	9	-0.1	-0.05	-0.5	-1
1/88	121.02	9.58	3.80	5040	4800000	803000	4700	89	45	19	32	9	71	-0.2	-2	12				
2/88	120.91	9.69	5.60	4800	4010000	482000	-1000		-4	14	28	11	37	-0.2	-2	10				
3/88	120.97	9.63	3.50	4800	2950000	375000	1400	70	-4	-2	21	7	39	-0.2	-2	13				
4/88	120.25	10.35	5.40	3770																
1/89	119.64	10.96	3.40	4500	2906000	286000	-1000	91	11	8	87	-20	57	-0.2	-2	-2				
DCB-12																				
1/86																				
2/86																				
3/86																				
4/86																				
1/87																				
2/87																				
3/87																				
4/87	108.64	8.26	6.50	83	5000	25	3800		-4	-2	49	-2	-6	-0.2	-2	-0.1	-0.05	-0.5	-1	
1/88	109.05	7.85	3.70	638	2900000	180	2500	40	21	31	56	6	-64	-0.2	-2					
2/88	108.56	8.34	4.20	150	30000	146	-1000		-4	-2	71	-2	-6	-0.2	-2					
3/88	108.69	8.21	4.00	590	282000	126	4200	28	-4	-2	80	-2	32	-0.2	-2					
4/88	108.37	8.53	3.70	1200																
1/89	108.50	8.40	3.60	995	815000	585	7800	61	-4	79	38	-2	-6	0.22	-2	-2				

D-AREA COAL PILE RUNOFF and ASH BASIN MONITOR WELLS

	Water Elevation(ft)	Water Depth (feet)	pH	Specific Cond. (UMHO)	Sulfate (UG/L)	Iron (UG/L)	TOC (UG/L)	Nickel (UG/L)	Chromium (UG/L)	Arsenic (UG/L)	Barium (UG/L)	Cadmium (UG/L)	Lead (UG/L)	Mercury (UG/L)	Selenium (UG/L)	Silver (UG/L)	Endrin (UG/L)	Lindane (UG/L)	Methoxychlor (UG/L)	Toxaphene (UG/L)
DW Stand.			6.5-8.5		250000	300			50	50	1000	10	50	2	10	50	0.2	4	100	5
RCRA(AIX)								50	70	500	20	40	40	2	750	70	0.1		2	2
SRS Bkgd.			5.2-6.3	50	5-100000	25		<4.0	<4.0	<1.0	25	<2.0	10 to 15	<0.20	<2.0	<2.0				
DCB-13																				
1/86																				
2/86																				
3/86																				
4/86																				
1/87																				
2/87																				
3/87																				
4/87																				
1/88																				
2/88																				
3/88																				
4/88	130.30		5.40	270	24600	21200	4500		-4	4	336	-2	-6	-0.2	-2	-2	-0.1	-0.05	-0.5	-1
1/89			5.90	380	54000	5700	5200	10	-4	7	440	-2	-6	-0.2	-2	-2				
DCB-14																				
1/86																				
2/86																				
3/86																				
4/86																				
1/87																				
2/87																				
3/87																				
4/87																				
1/88																				
2/88																				
3/88																				
4/88	109.69	20.31	4.20	7100	5999000	706000	8400		18	2	-4	-2	19	-0.2	-2	14	-0.1	-0.05	-0.5	-1
1/89	109.31	20.09	4.20	6700	6169000	4070000	10700	577	6	26	55	-20	220	-0.2	-2	3				

D-AREA COAL PILE RUNOFF and KENT BASIN MONITOR WELLS

	Water Elevation(ft)	Water Depth (feet)	pH	Specific Cond. (UMHO)	Sulfate (UG/L)	Iron (UG/L)	TOC (UG/L)	Nickel (UG/L)	Chromium (UG/L)	Asenic (UG/L)	Barium (UG/L)	Cadmium (UG/L)	Lead (UG/L)	Mercury (UG/L)	Selenium (UG/L)	Silver (UG/L)	Endrin (UG/L)	Lindane (UG/L)	Methoxychic (UG/L)	Toxaphene (UG/L)
DW Sand			6.5-8.3		250000	300			50	50	1000	10	50	2	10	50	0.2	4	100	5
ACHA(AX)									70	500	20	40	40	2	750	70	0.1		2	
SRS Bkgd			5.2-6.3	50	5-100000	25		<4.0	<4.0	<1.0	25	<2.0	10 to 15	<0.20	<2.0	<2.0				
DCB-15																				
1/86																				
2/86																				
3/86																				
4/86																				
1/87																				
2/87																				
3/87																				
4/87																				
1/88																				
2/88																				
3/88																				
4/88	108.01	19.89	5.50	350	112000	14800	1000		4	2	84	2	47	0.2	2	2	0.1	0.05	0.5	1
1/89	107.88	19.72	5.00	325	123000	3350	2000	20	19	2	76	2	85	0.2	2	2				
DCB-16																				
1/86																				
2/86																				
3/86																				
4/86																				
1/87																				
2/87																				
3/87																				
4/87																				
1/88																				
2/88																				
3/88																				
4/88	110.29	18.11	6.80	840	156000	8230	1000		4	2	74	2	6	0.2	2	2	0.1	0.05	0.5	1
1/89	109.91	17.60	6.80	780	172000	8520	3400	4	4	2	72	2	6	0.2	2	2				

APPENDIX B-2

QUARTERLY WATER ELEVATIONS for DCB WELLS

DCB WELL SERIES WATER ELEVATION

D-AREA MONITORING WELLS

4th Q 1988

D-AREA

3rd Q 1988

D-AREA MONITORING WELLS

2nd Q 1988

D-AREA MONITORING WELLS

1st Q 1988

D-AREA MONITORING WELLS

1ST Q 1987

APPROXIMATE GROUNDWATER
FLOW DIRECTION

POWER
HOUSE

DCB 12

DCB 14

DCB 15

DCB 11

488-D
OLD BASIN

DCB 16

488-4D
OLD BASIN

DCB 9

DCB 6

COAL
PILE

DCB 1A

116.84

DCB 7

488-2D
SECONDARY ASH
DISPOSAL BASIN

DCB 13

DCB 10

DCB 8

488-1D
PRIMARY ASH
DISPOSAL BASIN

125.36

DCB 2A

COAL PILE
RUNOFF
BASIN

DCB 5A
119.49

DCB 4A
119.33

DCB 3A
122.23

PLANT NORTH

0 500
FEET

116

119

122

125

D-AREA MONITORING WELLS

1st Q 1986

APPROXIMATE GROUNDWATER
FLOW DIRECTION

POWER
HOUSE

DCB 12

DCB 14

DCB 15

488-D
OLD BASIN

DCB 11

DCB 16

488-4D
OLD BASIN

DCB 9

DCB 6

COAL
PILE

DCB 1A
115.90

DCB 7

488-2D
SECONDARY ASH
DISPOSAL BASIN

DCB 13

DCB 10

DCB 8

488-1D
PRIMARY ASH
DISPOSAL BASIN

125.00

DCB 2A

COAL PILE
RUNOFF
BASIN

119.10
DCB 5A

119.10
DCB 4A

121.50
DCB 3A

124

APPENDIX B-3

**GRAPHS of QUARTERLY DATA
for DCB WELLS**

**pH
SULFATE
SPECIFIC CONDUCTIVITY
IRON**

DCB WELL SERIES SULFATE

DCB WELL SERIES SPECIFIC CONDUCTIVITY

APPENDIX B-4

**ANALYSIS of D-AREA
COAL PILE RUNOFF CONTAINMENT BASIN
SOILS**

**D-AREA
COAL PILE RUNOFF BASIN
(DCPRB)**

DCPRB1 -R	Rinsate
-01	Surface soil sample
-02	0-2 feet
-03	2-4
-04	4-6
-05	6-8
-06	8-10
-07	10-13
 DCPRB2 -R	 Rinsate
-01	Surface soil sample
-02	0-2 feet
-03	2-4
-04	4-6
 DCPRB3 -R	 Rinsate
-01	Surface soil sample
-02	0-2 feet
-03	2-4
-04	4-6
 DCPRB4 -R	 Rinsate
-01	Surface soil sample
-02	0-2 feet
-03	2-4
-04	4-6

SAVANNAH RIVER PLANT
AREA COAL PILE RUNOFF BASIN
CONSTITUENTS EXCEEDING BACKGROUND

Core	Sample#	Test	Result	Units	EXCEEDS BACKGROUND
3	5	111TCE	6	UGKG	YES
1	5	111TCE	9	UGKG	YES
1	7	111TCE	17	UGKG	YES
1	1	111TCE	40	UGKG	YES
4	3	111TCE	15	UGKG	YES
2	1	111TCE	11	UGKG	YES
3	2	111TCE	6	UGKG	YES
4	2	111TCE	17	UGKG	YES
3	3	111TCE	6	UGKG	YES
3	4	111TCE	19	UGKG	YES
1	4	111TCE	17	UGKG	YES
1	3	111TCE	14	UGKG	YES
1	1	2MENAP	1300	UGKG	YES
4	4	ALPHA6	7	PC164.00	
2	2	ALPHA6	7	PC164.00	
1	6	ALPHA6	6	PC164.00	
1	1	ALPHA6	17	PC16	
3	1	ALPHA6	9	PC165.00	
4	3	ALPHA6	8	PC164.00	
1	5	ALPHA6	15	PC165.00	
3	4	ALPHA6	4	PC164.00	
3	5	ALPHA6	5	PC164.00	
3	2	ALPHA6	5	PC163.00	
3	3	ALPHA6	4	PC163.00	
1	3	ALPHA6	9	PC164.00	
2	1	ALPHA6	10	PC165.00	
1	4	ALPHA6	11	PC165.00	
4	1	ALPHA6	7	PC163.00	
4	2	ALPHA6	15	PC169.00	
1	7	ALPHA6	9	PC165.00	
2	3	ALPHA6	6	PC163.00	
4	2	ALPHA6	17	PC165.00	
4	1	ANTRC	860	UGKG	YES
1	1	ANTRC	1100	UGKG	YES
2	3	BA	105	MGKG	YES
3	5	BETAG	5	PC163.00	
4	4	BETAG	9	PC164.00	
1	6	BETAG	10	PC164.00	
1	7	BETAG	9	PC164.00	
4	2	BETAG	12	PC164.00	
2	1	BETAG	11	PC164.00	
2	3	BETAG	7	PC164.00	
2	2	BETAG	6	PC164.00	
3	1	BETAG	8	PC164.00	
3	4	BETAG	12	PC164.00	
3	3	BETAG	6	PC163.00	
4	3	BETAG	4	PC164.00	
1	5	BETAG	6	PC164.00	
1	4	BETAG	11	PC164.00	
1	1	BETAG	9	PC164.00	
4	1	BETAG	7	PC164.00	
1	2	BETAG	9	PC164.00	
1	3	BETAG	11	PC164.00	
3	2	BETAG	8	PC164.00	
4	0	CR	26.5	UGL	
2	0	CR	43.2	UGL	
3	3	CR	10.1	MGKG	
1	1	DIBZFU	540	UGKG	YES
2	1	F	7.4	MGKG	
2	1	F	7.5	MGKG	
1	1	FANT	510	UGKG	YES
4	1	FANT	1800	UGKG	YES
2	0	FE	11000	UGL	
4	0	FE	5400	UGL	
1	0	FE	4330	UGL	
1	1	FLRENE	670	UGKG	YES
4	3	MN	6.6	MGKG	
2	1	MN	27.7	MGKG	
2	0	MN	71.4	UGL	

SAVANNAH RIVER PLANT
 AREA COAL FLE RUNOFF BASIN
 CONSTITUENTS EXCEEDING BACKGROUND

Core	Sample#	Test	Result	Units	EXCEEDS BACKGROUND
4	4	MN	6.7	MGKG	
3	1	MN	29.9	MGKG	
2	2	MN	29.2	MGKG	
3	5	MN	5.4	MGKG	
2	3	MN	35.2	MGKG	
1	7	MN	18.8	MGKG	
1	1	MN	15	MGKG	
1	4	MN	14.8	MGKG	
3	3	MN	9.1	MGKG	
1	5	MN	27.4	MGKG	
1	3	MN	11.8	MGKG	
1	6	MN	18	MGKG	
4	2	MN	4.5	MGKG	
3	4	MN	6.3	MGKG	
4	0	MN	34.7	UGL	
3	2	MN	6.3	MGKG	
1	2	MN	12.5	MGKG	
1	0	MN	33.1	UGL	
1	1	NAP	780	UGKG	YES
4	3	NI	11.7	MGKG	YES
2	1	NI	14.5	MGKG	YES
4	1	PCP	3500	UGKG	YES
2	1	PHANTR	910	UGKG	YES
4	1	PHANTR	2200	UGKG	YES
1	1	PHANTR	2400	UGKG	YES
4	1	PYR	860	UGKG	YES
1	1	PYR	500	UGKG	YES
3	2	SB	9.9	MGKG	
1	6	TOTRAD	4.9	PC160.60	
2	3	TOTRAD	3.3	PC160.50	
3	2	TOTRAD	2.7	PC160.50	
3	5	TOTRAD	3.8	PC160.50	
4	2	TOTRAD	1.9	PC160.50	
3	3	TOTRAD	1.8	PC160.40	
2	1	TOTRAD	5.5	PC160.70	
1	3	TOTRAD	4.5	PC160.60	
1	4	TOTRAD	8.8	PC160.80	
1	7	TOTRAD	3.5	PC160.50	
1	1	TOTRAD	7.6	PC160.80	
1	5	TOTRAD	6.8	PC160.80	
4	4	TOTRAD	5.6	PC160.70	
4	3	TOTRAD	6.2	PC160.70	
4	1	TOTRAD	4.3	PC160.60	
2	2	TOTRAD	4.4	PC160.60	
3	4	TOTRAD	4.4	PC160.60	
1	2	TOTRAD	10	PC161.00	
3	1	TRITIU	55	PCIM3.00	
3	2	TRITIU	25	PCIM2.00	
4	1	TRITIU	31	PCIM2.00	
1	6	TRITIU	45	PCIM3.00	
2	1	TRITIU	50	PCIM3.00	
1	5	TRITIU	66	PCIM3.00	
1	3	TRITIU	45	PCIM3.00	
1	1	TRITIU	24	PCIM2.00	
2	3	TRITIU	140	PCIM10.0	
3	5	TRITIU	53	PCIM3.00	
4	2	TRITIU	32	PCIM2.00	
4	4	TRITIU	47	PCIM3.00	
1	4	TRITIU	52	PCIM3.00	
4	3	TRITIU	29	PCIM2.00	
2	2	TRITIU	93	PCIM3.00	
1	7	TRITIU	42	PCIM3.00	
3	3	TRITIU	31	PCIM3.00	
1	2	TRITIU	37	PCIM3.00	
3	4	TRITIU	28	PCIM2.00	
4	1	V	12.5	MGKG	
1	1	V	26.7	MGKG	
3	2	V	12.2	MGKG	
4	0	ZM	27.7	UGL	

SAVANNAH RIVER PLANT
D AREA COAL PILE RUNOFF BASIN
CONSTITUENTS EXCEEDING BACKGROUND

Core	Sample#	Test	Result	Units	EXCEEDS BACKGROUND
-2	0	ZN	64.2	UGL	

AVANNAH RIVER PLANT
J AREA COAL FLE RUNOFF BASIN
ALL DETECTED CONSTITUENTS

DCPRB-1

Core	Sample#	Test	Result	Units
1	0	FE	4330	UGL
1	0	MN	33.1	UGL
1	1	111TCE	40	UGKG
1	1	2MENAP	1300	UGKG
1	1	ALPHAG	17	PCIG
1	1	ANTRC	1100	UGKG
1	1	AS	6.1	MGKG
1	1	BA	49	MGKG
1	1	BETAG	9	PCIG4.00
1	1	CR	15.1	MGKG
1	1	CU	5.1	MGKG
1	1	DIBZFU	540	UGKG
1	1	FANT	510	UGKG
1	1	FE	15500	MGKG
1	1	FLRENE	670	UGKG
1	1	MN	15	MGKG
1	1	NAP	780	UGKG
1	1	PHANTR	2400	UGKG
1	1	PYR	500	UGKG
1	1	TOTRAD	7.6	PCIG0.80
1	1	TRITIUM	24	PCIM2.00
1	1	V	26.7	MGKG
1	1	ZN	21.7	MGKG
1	2	ALPHAG	17	PCIG5.00
1	2	AS	7.2	MGKG
1	2	BETAG	9	PCIG4.00
1	2	CR	8.2	MGKG
1	2	CU	5.3	MGKG
1	2	FE	14500	MGKG
1	2	MN	12.5	MGKG
1	2	TOTRAD	10	PCIG1.00
1	2	TRITIUM	37	PCIM3.00
1	2	ZN	10.8	MGKG
1	3	111TCE	14	UGKG
1	3	ALPHAG	9	PCIG4.00
1	3	AS	5.8	MGKG
1	3	BETAG	11	PCIG4.00
1	3	CR	17.7	MGKG
1	3	FE	18300	MGKG
1	3	MN	11.8	MGKG
1	3	PB	5.7	MGKG
1	3	TOTRAD	4.5	PCIG0.60
1	3	TRITIUM	45	PCIM3.00
1	3	ZN	9.4	MGKG
1	4	111TCE	17	UGKG
1	4	ALPHAG	11	PCIG5.00
1	4	AS	5.5	MGKG
1	4	BETAG	11	PCIG4.00
1	4	CR	15.3	MGKG
1	4	CU	6.3	MGKG
1	4	FE	12600	MGKG
1	4	MN	14.8	MGKG
1	4	PB	2.8	MGKG
1	4	TOTRAD	8.8	PCIG0.80
1	4	TRITIUM	52	PCIM3.00
1	4	ZN	10.3	MGKG
1	5	111TCE	9	UGKG
1	5	ALPHAG	15	PCIG5.00
1	5	BETAG	6	PCIG4.00
1	5	CR	20.4	MGKG
1	5	FE	19600	MGKG
1	5	MN	27.4	MGKG
1	5	PB	3.3	MGKG
1	5	TOTRAD	6.8	PCIG0.80
1	5	TRITIUM	66	PCIM3.00
1	5	ZN	20.6	MGKG
1	6	ALPHAG	6	PCIG4.00
1	6	BA	48.8	MGKG
1	6	BETAG	10	PCIG4.00

4 RIVER PLANT
LOAL FILE RUNOFF BASIN
ALL SELECTED CONSTITUENTS

Core	Sample#	Test	Result	Units
1	6	CR	10.1	MGKG
1	6	FE	4210	MGKG
1	6	MN	18	MGKG
1	6	PB	3	MGKG
1	6	TOTRAD	4.9	PC160.60
1	6	TRITIUM	45	PC1M3.00
1	6	ZN	16.8	MGKG
1	7	111TCE	17	UGKG
1	7	ALPHAG	9	PC165.00
1	7	BETAG	9	PC164.00
1	7	CR	7.5	MGKG
1	7	FE	9550	MGKG
1	7	MN	18.8	MGKG
1	7	PB	1.4	MGKG
1	7	TOTRAD	3.5	PC160.50
1	7	TRITIUM	42	PC1M3.00
1	7	ZN	18	MGKG
2	0	CR	43.2	UGL
2	0	FE	11000	UGL
2	0	MN	71.4	UGL
2	0	ZN	64.2	UGL
2	1	111TCE	11	UGKG
2	1	ALPHAG	10	PC165.00
2	1	BETAG	11	PC164.00
2	1	CR	8.2	MGKG
2	1	F	7.4	MGKG
2	1	F	7.5	MGKG
2	1	FE	19100	MGKG
2	1	MN	27.7	MGKG
2	1	NI	14.5	MGKG
2	1	PB	3.2	MGKG
2	1	PHANTR	910	UGKG
2	1	TOTRAD	5.5	PC160.70
2	1	TRITIUM	50	PC1M3.00
2	1	ZN	13.6	MGKG
2	2	ALPHAG	7	PC164.00
2	2	BA	40.3	MGKG
2	2	BETAG	6	PC164.00
2	2	CR	7.6	MGKG
2	2	FE	11700	MGKG
2	2	MN	29.2	MGKG
2	2	PB	2.4	MGKG
2	2	TOTRAD	4.4	PC160.60
2	2	TRITIUM	93	PC1M3.00
2	2	ZN	10.5	MGKG
2	3	ALPHAG	6	PC163.00
2	3	BA	105	MGKG
2	3	BETAG	7	PC164.00
2	3	CR	11.6	MGKG
2	3	FE	21200	MGKG
2	3	MN	35.2	MGKG
2	3	PB	2.1	MGKG
2	3	TOTRAD	3.3	PC160.50
2	3	TRITIUM	140	PC1M10.0
2	3	ZN	17.9	MGKG
2	1	ALPHAG	9	PC165.00
2	1	BETAG	8	PC164.00
2	1	CR	7.9	MGKG
2	1	FE	11800	MGKG
2	1	MN	29.9	MGKG
2	1	PB	1.4	MGKG
2	1	TRITIUM	55	PC1M3.00
2	1	ZN	12.3	MGKG
2	2	111TCE	6	UGKG
2	2	ALPHAG	5	PC163.00
2	2	BETAG	8	PC164.00
2	2	CR	9.6	MGKG
2	2	FE	6060	MGKG
2	2	MN	6.3	MGKG

DCPRB-2

SAVANNAH RIVER PLANT
REA COAL PILE RUNOFF BASIN
ALL DETECTED CONSTITUENTS

Core	Sample#	Test	Result	Units
3	2	PB	1.6	MSKG
3	2	SB	9.9	MSKG
3	2	TOTRAD	2.7	PC160.50
3	2	TRITIU	25	PCIN2.00
3	2	V	12.2	MSKG
3	2	ZN	6.3	MSKG
3	3	111TCE	6	USKG
3	3	ALPHAG	4	PC163.00
3	3	BETAG	6	PC163.00
3	3	CR	10.1	MSKG
3	3	FE	5140	MSKG
3	3	MN	9.1	MSKG
3	3	NH	10.4	MSKG
3	3	PB	1.3	MSKG
3	3	TOTRAD	1.8	PC160.40
3	3	TRITIU	31	PCIN3.00
3	3	ZN	7.9	MSKG
3	4	111TCE	19	USKG
3	4	ALPHAG	4	PC164.00
3	4	BETAG	12	PC164.00
3	4	CR	9	MSKG
3	4	FE	4980	MSKG
3	4	MN	6.3	MSKG
3	4	PB	1.6	MSKG
3	4	TOTRAD	4.4	PC160.60
3	4	TRITIU	28	PCIN2.00
3	4	ZN	9.7	MSKG
3	5	111TCE	6	USKG
3	5	ALPHAG	5	PC164.00
3	5	BETAG	5	PC163.00
3	5	CR	10.1	MSKG
3	5	FE	5450	MSKG
3	5	MN	5.4	MSKG
3	5	TOTRAD	3.8	PC160.50
3	5	TRITIU	53	PCIN3.00
3	5	ZN	7.1	MSKG
4	0	CR	26.5	UGL
4	0	FE	5400	UGL
4	0	MN	34.7	UGL
4	0	ZN	27.7	UGL
4	1	ALPHAG	7	PC163.00
4	1	ANTRC	860	USKG
4	1	BETAG	7	PC164.00
4	1	CR	6.7	MSKG
4	1	FANT	1800	USKG
4	1	FE	7040	MSKG
4	1	PB	1.6	MSKG
4	1	PCP	3500	USKG
4	1	PHANTR	2200	USKG
4	1	PYR	860	USKG
4	1	TOTRAD	4.3	PC160.60
4	1	TRITIU	31	PCIN2.00
4	1	V	12.5	MSKG
4	1	ZN	5.6	MSKG
4	2	111TCE	17	USKG
4	2	ALPHAG	15	PC169.00
4	2	BETAG	12	PC164.00
4	2	CR	10.1	MSKG
4	2	FE	5080	MSKG
4	2	MN	4.5	MSKG
4	2	PB	1.7	MSKG
4	2	TOTRAD	1.9	PC160.50
4	2	TRITIU	32	PCIN2.00
4	2	ZN	6.3	MSKG
4	3	111TCE	15	USKG
4	3	ALPHAG	8	PC164.00
4	3	BETAG	4	PC164.00
4	3	CR	9.2	MSKG
4	3	FE	5700	MSKG

SAVANNAH RIVER PLANT
D AREA COAL PILE RUNOFF BASIN
ALL DETECTED CONSTITUENTS

Core	Sample#	Test	Result	Units
4	3	MN	6.6	MGKG
4	3	NI	11.7	MGKG
4	3	PB	1.8	MGKG
4	3	TOTRAD	6.2	PC160.70
4	3	TRITIU	29	PC12.00
4	3	ZN	12.6	MGKG
4	4	ALPHA6	7	PC164.00
4	4	BETA6	9	PC164.00
4	4	CR	9.9	MGKG
4	4	FE	8230	MGKG
4	4	MN	6.7	MGKG
4	4	TOTRAD	5.6	PC160.70
4	4	TRITIU	47	PC123.00
4	4	ZN	6.1	MGKG

APPENDIX B-5

COAL PILE RAINFALL RUNOFF ANALYSIS

TABLE III

ANALYSES FOR COAL PILE RAINFALL RUNOFF
SPECIFIED BY PTM-24

Titration curve	Total arsenic
pH	Total cadmium
Suspended solids	Total chromium
Total dissolved solids	Total copper
Total sulfate	Total iron
Total Kjeldahl nitrogen	Total lead
Total Nitrate nitrogen	Total nickel
Total Phosphate	Total selenium
Total Mercury	Total zinc

TABLE IV

SUMMARY OF COAL PILE RAINFALL RUNOFF ANALYSES
(Dates Sampled: 12/1/78 and 12/4/78)

Parameter	A Area		P Area		D Area	
	1	2	1	2	1	2
pH	2.80	3.35	2.56	3.78	2.57	3.08
Susp. Solids, mg/l	25	3	218	5	10	30
Dissolved Solids, mg/l	5,440	553	700	350	660	480
Total Sulfate, mg/l	442.5	4275	4825	275	4600	360
Total Kjeldahl/N mg/l	.45	.56	.90	.39	.79	.28
Total Nitrate N mg/l	.7	1.0	.8	.6	0.7	0.5
Total Phosphate, mg/l	0.4	<0.3	.5	<.3	<0.3	<0.3
Total Mercury, µg/l	<.2	<.2	<.2	<.2	<.2	<.2
Total Arsenic, µg/l	2000	20	1000	<10	350	15
Total Cadmium, µg/l	10	<10	10	<10	10	<10
Total Chromium, µg/l	375	55	450	25	400	40
Total Vanadium, µg/l	750	125	1500	100	1500	100
Total Copper, µg/l	1600	80	2000	30	1000	45
Total Iron, µg/l	500,000	25,000	700,000	1500	280,000	17,500
Total Lead, µg/l	<10	<10	<10	<10	<10	<10
Total Nickel, µg/l	8000	750	3000	250	3000	500
Total Selenium, µg/l	60	<10	90	<10	75	<10
Total Zinc, µg/l	7000	1000	10,000	500	15,000	500

Note: 1 sampled near influent, 2 sampled near effluent

APPENDIX C

H-AREA

APPENDIX C-1

**QUARTERLY GROUNDWATER DATA
from H-AREA COAL PILE RUNOFF BASIN
HCB MONITOR WELLS**

H-AREA COAL PILE RUNOFF BASIN MONITOR WELLS

	Water Depth (feet)	pH	Specific Cond. (UMHO)	Sulfate (UG/L)	Iron (UG/L)	TOC (UG/L)	Nickel (UG/L)	Chromium (UG/L)	Arsenic (UG/L)	Barium (UG/L)	Cadmium (UG/L)	Lead (UG/L)	Mercury (UG/L)	Selenium (UG/L)	Silver (UG/L)	Endrin (UG/L)	Lindane (UG/L)	Methoxychloro (UG/L)	Toxaphene (UG/L)
DW Stand	6.5-8.5			250000	300			50	50	1000	10	50	2	10	50	0.2	4	100	5
RCRA(AIX)							50	70	500	20	40	40	2	750	70	0.1		2	
SRS Bldg	5.2-6.3		50	5-10000	25		<4.0	<4.0	<1.0	25	<2.0	10 to 15	<0.20	<2.0	<2.0				
HCB-1																			
1/86	20.10	4.20	41	-5000	53	-1000					-1								
2/86	23.70	4.70	37							30		15							
3/86	22.07	4.70	49	3000		6400													
4/86	20.29	4.20	58																
1/87	15.95	4.70	60	6000	40	1000		-4	-2	38	-2	20	-0.2	-2	3				
2/87	18.02	4.80	61																
3/87	18.76	5.40	55	-5000	48	-1000						10							
4/87	17.05	4.90	59																
1/88	17.41	4.80	51	-5000	29	-1000				48	-2	14	-0.2		-2				
2/88	17.99	4.90	51	-5000	154														
3/88	17.90	4.40	49	7990	115						-2	11							
4/88	18.33	4.40	55																
1/89	18.48	4.30	55	-5000	38	-1000		-4	-4	50	-2	8	-0.2	-2	-2				
HCB-2																			
1/86	19.40	3.60	680	520000	139	3000					4								
2/86	25.30	3.80	310							8		15							
3/86	23.38	2.80	2900	2260000		5000													
4/86	16.77	3.50	721																
1/87	10.45	4.10	240	150000	147	-1000		-4	-2	78	-2	32	-0.2	-2	-2				
2/87	13.27	3.80	580																
3/87	13.89	4.20	1450	760000	3700	3800						54							
4/87	14.46	3.00	2080																
1/88	14.97	3.30	1650	1050000	780	2400				33	16	-6	-0.2		5				
2/88	15.70	2.60	3700	2552000	138000														
3/88	15.58	2.80	2300	1440000	4110						15	81							
4/88	16.24	2.80	1758																
1/89	16.38	2.90	1858	271000	1150	2000		17	46	22	5	36	-0.2	21	-2				

H-AREA COAL PILE RUNOFF BASIN MONITOR WELLS

	Water Depth (feet)	pH	Specific Cond. (UMHO)	Sulfate (UG/L)	Iron (UG/L)	TOC (UG/L)	Nickel (UG/L)	Chromium (UG/L)	Arsenic (UG/L)	Barium (UG/L)	Cadmium (UG/L)	Lead (UG/L)	Mercury (UG/L)	Selenium (UG/L)	Silver (UG/L)	Endrin (UG/L)	Lindane (UG/L)	Methoxychlor (UG/L)	Toxaphene (UG/L)
DW Stand.	6.5-8.5			250000	300			50	50	1000	10	50	2	10	50	0.2	4	100	5
RCRA(AIX)							50	70	500	20	40	40	2	750	70	0.1		2	2
SRS Bldg.	5.2-6.3		50	5-10000	25		<4.0	<4.0	<1.0	25	<2.0	10 to 15	<0.20	<2.0	<2.0				
HC8-3																			
1/86	13.90	3.50	37	-5000	92	-1000					-1								
2/86	13.00	4.00	30							24		29							
3/86	16.20	6.50	46	-5000		-1000													
4/86	12.13	3.80	40																
1/87	7.38	4.70	41	-3000	41	-1000		-4	-2	21	-2	15	0.49	-2	3				
2/87	8.08	4.60	38																
3/87	9.49	5.20	40	-5000	96	-1000						16							
4/87	9.66	4.60	46																
1/88	9.96	4.70	32	-5000	31	1200				24	-2	13	-0.2		-2				
2/88	10.40	4.60	32	-5000	138														
3/88	10.34	4.00	35	-5000	38						-2	12							
4/88	10.69	4.20	74																
1/89	10.80	4.10	65	-5000	289	-1000		-4	-2	26	-2	16	-0.2	-2	-2				
HC8-4																			
1/86	17.30	3.90	51	10000	57	-1000					-1								
2/86	20.70	4.70	37							32		14							
3/86	20.08	4.50	44	-5000		-1000													
4/86	16.50	4.30	95																
1/87	11.52	4.60	110	77000	26	-1000		-4	-2	32	-2	7	-0.2	-2	-2				
2/87	12.59	4.90	102																
3/87	13.89	4.60	76	10000	52	1300						-6							
4/87	14.33	4.70	68																
1/88	14.58	4.70	71	106000	130	-1000				43	-2	-6	-0.2		-2				
2/88	15.05	4.60	56	8400	329														
3/88	15.00	4.20	57	12600	54						-2	-6							
4/88	15.43	4.30	61																
1/89	15.35	4.20	62	7100	49	-1000		-4	-2	35	-2	8	-0.2	-2	-2				

APPENDIX C-2

QUARTERLY WATER ELEVATIONS for HCB WELLS

H-AREA

1ST Q 1986

H-AREA

1ST Q 1987

1" Q 1988

H-AREA

APPENDIX C-3

**GRAPHS of QUARTERLY DATA
for HCB WELLS**

**pH
SULFATE
SPECIFIC CONDUCTIVITY
IRON**

HCB WELL SERIES SULFATE

APPENDIX C-4

ANALYSIS of HCB SOILS

**H-AREA
COAL PILE RUNOFF BASIN
(HCPRB)**

HCPRB1 -R	Rinsate
-01	0-0.75 feet
-02	0-2
-03	2-4
-04	4-6
-05	6-8
-06	8-10
-07	10-13
-08	13-16
-09	16-18

HCPRB2 -R	Rinsate
-01	0-0.75 feet
-02	0-2
-03	2-4
-04	4-6
-05	6-8
-06	8-10
-07	10-13
-08	13-16

HCPRB3 -R	Rinsate
-01	0-0.75 feet
-02	0-2
-03	2-4
-04	4-6
-05	6-8
-06	8-10
-07	10-13
-08	13-14.5

SAVANNAH RIVER PLANT
H AREA COAL PILE RUNOFF BASIN
ALL DETECTED CONSTITUENTS

Core	Sample#	Test	Result	Units
1	1	2MENAP	940	UGKG
1	1	ACET	16	UGKG
1	1	ALPHAG	24	PCIG
1	1	AS	22.1	MGKG
1	1	BETAG	6	PCIG
1	1	CH2CL2	20	UGKG
1	1	CR	11	MGKG
1	1	CU	13.6	MGKG
1	1	FE	20200	MGKG
1	1	MN	10.3	MGKG
1	1	NAP	540	UGKG
1	1	NO3	0.79	MGKG
1	1	PB	7.1	MGKG
1	1	PHANTR	690	UGKG
1	1	PO4	157	MGKG
1	1	SE	2.3	MGKG
1	1	SN	21.4	MGKG
1	1	SO4	391	MGKG
1	1	TOTRAD	6.5	PCIG
1	1	TRITIUM	8.1	PCIM
1	1	V	35.6	MGKG
1	1	ZN	11.3	MGKG
1	2	ALPHAG	27	PCIG
1	2	BETAG	8	PCIG
1	2	CH2CL2	17	UGKG
1	2	CR	8	MGKG
1	2	CU	8.2	MGKG
1	2	FE	19000	MGKG
1	2	MN	6.6	MGKG
1	2	NO3	1	MGKG
1	2	PB	6.6	MGKG
1	2	PO4	21.3	MGKG
1	2	SO4	106	MGKG
1	2	TOTRAD	8.1	PCIG
1	2	TRITIUM	10	PCIM
1	2	ZN	10.8	MGKG
1	3	ALPHAG	17	PCIG
1	3	BETAG	13	PCIG
1	3	CH2CL2	13	UGKG
1	3	CR	27.8	MGKG
1	3	CU	11.6	MGKG
1	3	FE	24300	MGKG
1	3	MN	7.8	MGKG
1	3	NO3	0.41	MGKG
1	3	PB	13.9	MGKG
1	3	PO4	10.9	MGKG
1	3	SN	24	MGKG
1	3	SO4	80.3	MGKG
1	3	TOTRAD	8.9	PCIG
1	3	TRITIUM	6.8	PCIM
1	3	U	25.6	MGKG
1	3	ZN	14.2	MGKG
1	4	ALPHAG	31	PCIG
1	4	BETAG	17	PCIG
1	4	CH2CL2	13	UGKG
1	4	CR	35.7	MGKG
1	4	CU	8.6	MGKG
1	4	FE	29000	MGKG
1	4	MN	12.5	MGKG
1	4	NO3	0.4	MGKG
1	4	PB	29	MGKG
1	4	PO4	13.1	MGKG
1	4	SN	28.8	MGKG
1	4	SO4	102	MGKG
1	4	TOTRAD	5.6	PCIG
1	4	TRITIUM	6.8	PCIM
1	4	ZN	12.5	MGKG
1	5	ALPHAG	14	PCIG
1	5	BA	50.1	MGKG

SAVANNAH RIVER PLANT
H AREA COAL PILE RUNOFF BASIN
ALL DETECTED CONSTITUENTS

Core	Sample#	Test	Result	Units
1	5	BETAG	13	PC16
1	5	CH2CL2	17	UGKG
1	5	CR	12.5	MGKG
1	5	CU	11.5	MGKG
1	5	FE	21700	MGKG
1	5	MN	37.2	MGKG
1	5	NI	16.7	MGKG
1	5	NO3	0.58	MGKG
1	5	PB	15.6	MGKG
1	5	PO4	14.7	MGKG
1	5	SN	23.4	MGKG
1	5	TOTRAD	9.6	PC16
1	5	TRITIUM	3.6	PC1M
1	5	ZN	22.7	MGKG
1	6	ALPHAG	21	PC16
1	6	BA	54.7	MGKG
1	6	BETAG	19	PC16
1	6	CH2CL2	14	UGKG
1	6	CR	7.3	MGKG
1	6	FE	3320	MGKG
1	6	MN	16.3	MGKG
1	6	NI	14	MGKG
1	6	NO3	0.41	MGKG
1	6	PB	5.9	MGKG
1	6	TOTRAD	8.8	PC16
1	6	TRITIUM	1.9	PC1M
1	6	ZN	19.5	MGKG
1	7	ALPHAG	21	PC16
1	7	BA	70.3	MGKG
1	7	BETAG	23	PC16
1	7	CR	12.5	MGKG
1	7	CU	7.5	MGKG
1	7	FE	5550	MGKG
1	7	MN	29.1	MGKG
1	7	NI	20.7	MGKG
1	7	NO3	0.42	MGKG
1	7	PB	6.6	MGKG
1	7	PO4	9.8	MGKG
1	7	TOTRAD	7.9	PC16
1	7	TRITIUM	0	PC1M
1	7	ZN	27	MGKG
1	8	ALPHAG	18	PC16
1	8	BA	79.7	MGKG
1	8	BETAG	16	PC16
1	8	CR	11.6	MGKG
1	8	CU	10.8	MGKG
1	8	F	5.1	MGKG
1	8	FE	12000	MGKG
1	8	MN	50.1	MGKG
1	8	NI	11.6	MGKG
1	8	NO3	0.43	MGKG
1	8	PB	6.8	MGKG
1	8	PO4	14.6	MGKG
1	8	PO4	11.2	MGKG
1	8	SN	20.7	MGKG
1	8	TOTRAD	8	PC16
1	8	TRITIUM	1.1	PC1M
1	8	ZN	38.1	MGKG
1	9	ALPHAG	18	PC16
1	9	BA	60	MGKG
1	9	BETAG	21	PC16
1	9	CR	7.9	MGKG
1	9	CU	8.2	MGKG
1	9	F	5.2	MGKG
1	9	FE	7810	MGKG
1	9	MN	41.3	MGKG
1	9	NI	10	MGKG
1	9	NO3	0.25	MGKG
1	9	PB	5.5	MGKG

SAVANNAH RIVER PLANT
H AREA COAL PILE RUNOFF BASIN
ALL DETECTED CONSTITUENTS

Core	Sample#	Test	Result	Units
1	9	PO4	17.2	MGKG
1	9	TOTRAD	7.2	PCIG
1	9	TRITIU	0.7	PCIM
1	9	ZN	27.6	MGKG
2	1	ACET	21	UGKG
2	1	ACET	21	UGKG
2	1	ALPHAG	9	PCIG
2	1	AS	8.8	MGKG
2	1	BA	48.8	MGKG
2	1	BETAG	9	PCIG
2	1	CH2CL2	18	UGKG
2	1	CH2CL2	18	UGKG
2	1	CR	16.4	MGKG
2	1	CU	8.1	MGKG
2	1	FE	15200	MGKG
2	1	MN	13	MGKG
2	1	NI	9.2	MGKG
2	1	NO3	0.12	MGKG
2	1	PB	4	MGKG
2	1	PO4	40.1	MGKG
2	1	SN	19.5	MGKG
2	1	SO4	230	MGKG
2	1	TOTRAD	7.6	PCIG
2	1	TRITIU	4.3	PCIM
2	1	V	36.1	MGKG
2	1	ZN	7	MGKG
2	2	ALPHAG	12	PCIG
2	2	BETAG	8	PCIG
2	2	CH2CL2	20	UGKG
2	2	CH2CL2	22	UGKG
2	2	CR	5.6	MGKG
2	2	FE	1840	MGKG
2	2	MN	3.6	MGKG
2	2	NO3	0.23	MGKG
2	2	PB	4.2	MGKG
2	2	PO4	30.1	MGKG
2	2	SO4	150	MGKG
2	2	TOTRAD	8.5	PCIG
2	2	TRITIU	3.2	PCIM
2	2	ZN	4.8	MGKG
2	3	ALPHAG	19	PCIG
2	3	BETAG	13	PCIG
2	3	CH2CL2	18	UGKG
2	3	CR	15.7	MGKG
2	3	CU	8.2	MGKG
2	3	FE	13900	MGKG
2	3	MN	8.8	MGKG
2	3	NI	9.7	MGKG
2	3	NO3	0.21	MGKG
2	3	PB	7	MGKG
2	3	SO4	223	MGKG
2	3	TOTRAD	8.8	PCIG
2	3	TRITIU	16	PCIM
2	3	ZN	11	MGKG
2	4	ALPHAG	26	PCIG
2	4	BETAG	16	PCIG
2	4	CH2CL2	17	UGKG
2	4	CR	8	MGKG
2	4	CU	8.1	MGKG
2	4	FE	9810	MGKG
2	4	MN	8.7	MGKG
2	4	NO3	0.4	MGKG
2	4	PB	9.7	MGKG
2	4	PO4	15	MGKG
2	4	SO4	215	MGKG
2	4	SO4	218	MGKG
2	4	TOTRAD	8.5	PCIG
2	4	TRITIU	11	PCIM
2	4	U	43.5	MGKG

SAVANNAH RIVER PLANT
H AREA COAL PILE RUNOFF BASIN
ALL DETECTED CONSTITUENTS

Core	Sample#	Test	Result	Units
2	4	ZN	9.6	MGKG
2	5	ALPHAG	25	PCIG
2	5	BETAG	16	PCIG
2	5	CR	4.5	MGKG
2	5	FE	1600	MGKG
2	5	MN	6	MGKG
2	5	NI	12.6	MGKG
2	5	PB	3.9	MGKG
2	5	PO4	5.2	MGKG
2	5	SO4	147	MGKG
2	5	TOTRAD	13	PCIG
2	5	TRITIUM	11	PCIN
2	5	ZN	4.3	MGKG
2	6	ALPHAG	20	PCIG
2	6	CH2CL2	18	UGKG
2	6	CR	3.6	MGKG
2	6	FE	2860	MGKG
2	6	MN	7.6	MGKG
2	6	NO3	0.24	MGKG
2	6	PB	7.4	MGKG
2	6	PO4	5.1	MGKG
2	6	SO4	146	MGKG
2	6	TOTRAD	9	PCIG
2	6	TRITIUM	11	PCIN
2	6	ZN	5.7	MGKG
2	7	ALPHAG	19	PCIG
2	7	BA	39.4	MGKG
2	7	BETAG	19	PCIG
2	7	CR	6.5	MGKG
2	7	CU	6.9	MGKG
2	7	FE	4670	MGKG
2	7	MN	12	MGKG
2	7	NI	9.3	MGKG
2	7	PB	7.6	MGKG
2	7	PO4	24.8	MGKG
2	7	SO4	139	MGKG
2	7	TOTRAD	8.9	PCIG
2	7	TRITIUM	13	PCIN
2	7	ZN	13.3	MGKG
2	8	ALPHAG	20	PCIG
2	8	BETAG	20	PCIG
2	8	CR	5.5	MGKG
2	8	CU	5.9	MGKG
2	8	FE	9870	MGKG
2	8	MN	17.1	MGKG
2	8	NO3	0.25	MGKG
2	8	PB	9.3	MGKG
2	8	PO4	10	MGKG
2	8	TOTRAD	6	PCIG
2	8	TRITIUM	11	PCIN
2	8	ZN	10.5	MGKG
2	8	BETAG	22	PCIG
3	1	ALPHAG	19	PCIG
3	1	AS	6.1	MGKG
3	1	BA	62.2	MGKG
3	1	BETAG	19	PCIG
3	1	CH2CL2	20	UGKG
3	1	CR	13.4	MGKG
3	1	CU	9	MGKG
3	1	FE	13500	MGKG
3	1	MN	15.5	MGKG
3	1	NI	11.5	MGKG
3	1	PB	11	MGKG
3	1	PO4	77	MGKG
3	1	PO4	90.3	MGKG
3	1	SO4	398	MGKG
3	1	TOTRAD	7	PCIG
3	1	TRITIUM	8.3	PCIN
3	1	V	38.6	MGKG

SAVANNAH RIVER PLANT
H AREA COAL PILE RUNOFF BASIN
ALL DETECTED CONSTITUENTS

Core	Sample#	Test	Result	Units
3	1	ZN	9.5	MGKG
	2	ALPHAG	22	PCIG
	2	BA	65.2	MGKG
	2	BETAG	9	PCIG
	2	CH2CL2	14	UGKG
	2	CR	24.2	MGKG
	2	CU	5.7	MGKG
	2	FE	9920	MGKG
	2	MN	26.6	MGKG
	2	NI	14.4	MGKG
	2	NO3	0.23	MGKG
	2	PB	4.4	MGKG
	2	PO4	18.9	MGKG
	2	SO4	286	MGKG
	2	TOTRAD	8.3	PCIG
	2	TRITIU	12	PCIM
	2	ZN	10.2	MGKG
	3	ALPHAG	17	PCIG
	3	BETAG	5	PCIG
	3	CH2CL2	17	UGKG
	3	CR	6.8	MGKG
	3	FE	25100	MGKG
	3	MN	96.4	MGKG
	3	NI	10	MGKG
	3	NO3	0.56	MGKG
	3	PB	5.3	MGKG
	3	SN	24.8	MGKG
	3	SO4	178	MGKG
	3	TOTRAD	7.2	PCIG
	3	TRITIU	13	PCIM
	3	U	53.9	MGKG
	3	ZN	11.5	MGKG
4	4	ALPHAG	20	PCIG
	4	BA	131	MGKG
	4	BETAG	8	PCIG
	4	CH2CL2	13	UGKG
	4	CR	6.1	MGKG
	4	FE	5140	MGKG
	4	MN	886	MGKG
	4	NO3	0.22	MGKG
	4	PB	4.1	MGKG
	4	PO4	14.8	MGKG
	4	SO4	86.8	MGKG
	4	TOTRAD	10	PCIG
	4	TRITIU	7.1	PCIM
	5	ALPHAG	16	PCIG
	5	BETAG	7	PCIG
	5	CH2CL2	18	UGKG
	5	CR	4.3	MGKG
	5	FE	6970	MGKG
	5	MN	89.5	MGKG
	5	NO3	0.34	MGKG
	5	PB	2.6	MGKG
	5	PO4	20.3	MGKG
	5	TOTRAD	5.6	PCIG
	5	TRITIU	8.6	PCIM
	5	ZN	4.9	MGKG
	6	ALPHAG	10	PCIG
	6	BA	45.7	MGKG
	6	BETAG	5	PCIG
	6	CH2CL2	13	UGKG
	6	CR	4.9	MGKG
	6	FE	14800	MGKG
	6	MN	249	MGKG
	6	NO3	0.7	MGKG
	6	PE	3.3	MGKG
	6	PO4	16.8	MGKG
	6	TOTRAD	3.9	PCIG
	6	TRITIU	13	PCIM

SAVANNAH RIVER PLANT
H AREA COAL PILE RUNOFF BASIN
ALL DETECTED CONSTITUENTS

Core	Sample#	Test	Result	Units
3	6	ZN	5.5	MGKG
3	7	ALPHA6	11	PC16
3	7	BA	75.6	MGKG
3	7	BETA6	7	PC16
3	7	CR	2.6	MGKG
3	7	FE	6170	MGKG
3	7	MN	387	MGKG
3	7	NO3	0.28	MGKG
3	7	PB	6.8	MGKG
3	7	PO4	17.2	MGKG
3	7	SO4	45.1	MGKG
3	7	TOTRAD	3.2	PC16
3	7	TRITIUM	15	PC1M
3	7	ZN	6	MGKG
3	8	ALPHA6	6	PC16
3	8	BETA6	4	PC16
3	8	CR	5.4	MGKG
3	8	FE	12100	MGKG
3	8	MN	189	MGKG
3	8	NI	12.9	MGKG
3	8	NO3	1	MGKG
3	8	PB	5.7	MGKG
3	8	PO4	5.6	MGKG
3	8	PO4	13.9	MGKG
3	8	TOTRAD	2.6	PC16
3	8	TRITIUM	12	PC1M
3	8	ZN	5.5	MGKG

SAVANNAH RIVER PLANT
H AREA COAL PILE RUNOFF BASIN
CONSTITUENTS DETECTED ABOVE BACKGROUND

Core	Sample#	Test	Result	Units	EXCEEDS BACKGROUND
1	1	ZMENAP	940	UGKG	YES
2	1	ACET	21	UGKG	YES
1	1	ACET	16	UGKG	YES
2	1	ACET	21	UGKG	YES
3	8	ALPHAG	6	PCIG	
1	9	ALPHAG	18	PCIG	
3	1	ALPHAG	19	PCIG	
2	4	ALPHAG	26	PCIG	
2	5	ALPHAG	25	PCIG	
2	6	ALPHAG	20	PCIG	
1	8	ALPHAG	18	PCIG	
2	7	ALPHAG	19	PCIG	
3	2	ALPHAG	22	PCIG	
2	1	ALPHAG	9	PCIG	
1	2	ALPHAG	27	PCIG	
1	1	ALPHAG	24	PCIG	
1	7	ALPHAG	21	PCIG	
1	3	ALPHAG	17	PCIG	
1	6	ALPHAG	21	PCIG	
2	3	ALPHAG	19	PCIG	
3	3	ALPHAG	17	PCIG	
3	6	ALPHAG	10	PCIG	
1	5	ALPHAG	14	PCIG	
2	8	ALPHAG	20	PCIG	
3	4	ALPHAG	20	PCIG	
2	2	ALPHAG	12	PCIG	
3	7	ALPHAG	11	PCIG	
3	5	ALPHAG	16	PCIG	
1	4	ALPHAG	31	PCIG	
1	1	AS	22.1	MGKG	YES
3	4	BETAG	8	PCIG	
2	7	BETAG	19	PCIG	
3	3	BETAG	5	PCIG	
1	5	BETAG	13	PCIG	
3	7	BETAG	7	PCIG	
3	5	BETAG	7	PCIG	
1	3	BETAG	13	PCIG	
2	3	BETAG	13	PCIG	
3	8	BETAG	4	PCIG	
3	6	BETAG	5	PCIG	
1	1	BETAG	6	PCIG	
1	8	BETAG	16	PCIG	
1	2	BETAG	8	PCIG	
3	2	BETAG	9	PCIG	
2	2	BETAG	8	PCIG	
2	8	BETAG	20	PCIG	
1	9	BETAG	21	PCIG	
2	5	BETAG	16	PCIG	
2	4	BETAG	16	PCIG	
2	1	BETAG	9	PCIG	
3	1	BETAG	19	PCIG	
1	6	BETAG	19	PCIG	
2	6	BETAG	22	PCIG	
1	4	BETAG	17	PCIG	
1	7	BETAG	23	PCIG	
3	1	CH2CL2	20	UGKG	YES
2	6	CH2CL2	18	UGKG	YES
1	1	CH2CL2	20	UGKG	YES
1	3	CH2CL2	13	UGKG	YES
1	4	CH2CL2	13	UGKG	YES
2	2	CH2CL2	20	UGKG	YES
3	2	CH2CL2	14	UGKG	YES
2	1	CH2CL2	18	UGKG	YES
1	2	CH2CL2	17	UGKG	YES
3	3	CH2CL2	17	UGKG	YES
3	6	CH2CL2	13	UGKG	YES
1	5	CH2CL2	17	UGKG	YES
2	3	CH2CL2	18	UGKG	YES
2	1	CH2CL2	18	UGKG	YES

SAVANNAH RIVER PLANT
H AREA COAL PILE RUNOFF BASIN
CONSTITUENTS DETECTED ABOVE BACKGROUND

Core	Sample#	Test	Result	Units	EXCEEDS BACKGROUND
1	6	CH2CL2	14	UGKG	YES
2	2	CH2CL2	22	UGKG	YES
3	4	CH2CL2	13	UGKG	YES
2	4	CH2CL2	17	UGKG	YES
3	5	CH2CL2	18	UGKG	YES
1	8	F	5.1	MGKG	
1	9	F	5.2	MGKG	
2	3	MN	8.8	MGKG	
1	9	MN	41.3	MGKG	
2	1	MN	13	MGKG	
2	2	MN	3.6	MGKG	
3	5	MN	89.5	MGKG	
3	7	MN	387	MGKG	
2	6	MN	7.6	MGKG	
3	6	MN	249	MGKG	
2	8	MN	17.1	MGKG	
3	3	MN	96.4	MGKG	
1	7	MN	29.1	MGKG	
2	7	MN	12	MGKG	
2	5	MN	6	MGKG	
1	4	MN	12.5	MGKG	
1	3	MN	7.8	MGKG	
1	5	MN	37.2	MGKG	
1	2	MN	6.6	MGKG	
3	8	MN	189	MGKG	
3	1	MN	15.5	MGKG	
2	4	MN	8.7	MGKG	
1	8	MN	50.1	MGKG	
3	2	MN	26.6	MGKG	
1	6	MN	16.3	MGKG	
1	1	MN	10.3	MGKG	
3	4	MN	886	MGKG	
1	1	NAP	540	UGKG	YES
1	6	NI	14	MGKG	YES
1	7	NI	20.7	MGKG	YES
3	8	NI	12.9	MGKG	YES
3	1	NI	11.5	MGKG	YES
1	5	NI	16.7	MGKG	YES
2	5	NI	12.6	MGKG	YES
3	2	NI	14.4	MGKG	YES
1	8	NI	11.6	MGKG	YES
2	3	NO3	0.21	MGKG	
3	7	NO3	0.28	MGKG	
3	3	NO3	0.56	MGKG	
1	4	NO3	0.4	MGKG	
1	7	NO3	0.42	MGKG	
2	8	NO3	0.25	MGKG	
2	4	NO3	0.4	MGKG	
2	6	NO3	0.24	MGKG	
2	1	NO3	0.12	MGKG	
3	5	NO3	0.34	MGKG	
1	1	NO3	0.79	MGKG	
3	4	NO3	0.22	MGKG	
1	3	NO3	0.41	MGKG	
1	6	NO3	0.41	MGKG	
1	5	NO3	0.58	MGKG	
3	2	NO3	0.23	MGKG	
3	6	NO3	0.7	MGKG	
2	2	NO3	0.23	MGKG	
1	2	NO3	1	MGKG	
1	9	NO3	0.25	MGKG	
3	8	NO3	1	MGKG	
1	8	NO3	0.43	MGKG	
1	1	PHANTR	690	UGKG	YES
2	1	PO4	40.1	MGKG	
3	2	PO4	18.9	MGKG	
3	5	PO4	20.3	MGKG	
3	8	PO4	13.9	MGKG	
2	4	PO4	15	MGKG	

SAVANNAH RIVER PLANT
H AREA COAL PILE RUNOFF BASIN
CONSTITUENTS DETECTED ABOVE BACKGROUND

Core	Sample#	Test	Result	Units	EXCEEDS BACKGROUND
1	7	P04	9.8	MGKG	
3	4	P04	14.8	MGKG	
3	7	P04	17.2	MGKG	
2	7	P04	24.8	MGKG	
1	4	P04	13.1	MGKG	
1	9	P04	11.2	MGKG	
2	6	P04	5.1	MGKG	
1	8	P04	14.6	MGKG	
2	8	P04	10	MGKG	
1	2	P04	21.3	MGKG	
3	6	P04	16.8	MGKG	
2	5	P04	5.2	MGKG	
3	1	P04	90.3	MGKG	
1	1	P04	157	MGKG	
3	8	P04	5.6	MGKG	
2	2	P04	30.1	MGKG	
1	9	P04	17.2	MGKG	
3	1	P04	77	MGKG	
1	5	P04	14.7	MGKG	
1	3	P04	10.9	MGKG	
1	1	SE	2.3	MGKG	
1	8	SN	20.7	MGKG	
2	1	SN	19.5	MGKG	
1	1	SN	21.4	MGKG	
1	5	SN	23.4	MGKG	
1	3	SN	24	MGKG	
1	4	SN	28.8	MGKG	
3	3	SN	24.8	MGKG	
3	1	S04	398	MGKG	
2	6	S04	146	MGKG	
3	7	S04	45.1	MGKG	
1	1	S04	391	MGKG	
2	4	S04	215	MGKG	
1	2	S04	106	MGKG	
2	1	S04	230	MGKG	
1	3	S04	80.3	MGKG	
2	4	S04	218	MGKG	
2	2	S04	150	MGKG	
3	2	S04	286	MGKG	
1	4	S04	102	MGKG	
3	3	S04	178	MGKG	
2	5	S04	147	MGKG	
3	4	S04	86.8	MGKG	
2	3	S04	223	MGKG	
2	7	S04	139	MGKG	
3	1	TOTRAD	7	PCIG	
3	8	TOTRAD	2.6	PCIG	
2	2	TOTRAD	8.5	PCIG	
3	7	TOTRAD	3.2	PCIG	
1	8	TOTRAD	8	PCIG	
1	2	TOTRAD	8.1	PCIG	
1	5	TOTRAD	9.6	PCIG	
1	1	TOTRAD	6.5	PCIG	
2	1	TOTRAD	7.6	PCIG	
2	7	TOTRAD	8.9	PCIG	
2	3	TOTRAD	8.8	PCIG	
3	5	TOTRAD	5.6	PCIG	
2	6	TOTRAD	9	PCIG	
3	3	TOTRAD	7.2	PCIG	
1	7	TOTRAD	7.9	PCIG	
1	9	TOTRAD	7.2	PCIG	
3	6	TOTRAD	3.9	PCIG	
1	4	TOTRAD	5.6	PCIG	
1	3	TOTRAD	8.9	PCIG	
3	2	TOTRAD	8.3	PCIG	
3	4	TOTRAD	10	PCIG	
2	5	TOTRAD	13	PCIG	
2	8	TOTRAD	6	PCIG	
2	4	TOTRAD	8.5	PCIG	

SAVANNAH RIVER PLANT
H AREA COAL PILE RUNOFF BASIN
CONSTITUENTS DETECTED ABOVE BACKGROUND

Core	Sample#	Test	Result	Units	EXCEEDS BACKGROUND
1	6	TOTRAD	8.8	PCIG	
2	1	TRITIU	4.3	PCIM	
2	4	TRITIU	11	PCIM	
1	4	TRITIU	6.8	PCIM	
2	5	TRITIU	11	PCIM	
1	6	TRITIU	1.9	PCIM	
3	4	TRITIU	7.1	PCIM	
1	3	TRITIU	6.8	PCIM	
3	7	TRITIU	15	PCIM	
3	1	TRITIU	8.3	PCIM	
2	6	TRITIU	11	PCIM	
1	2	TRITIU	10	PCIM	
2	2	TRITIU	3.2	PCIM	
2	7	TRITIU	13	PCIM	
3	8	TRITIU	12	PCIM	
1	8	TRITIU	1.1	PCIM	
3	5	TRITIU	8.6	PCIM	
3	2	TRITIU	12	PCIM	
1	1	TRITIU	8.1	PCIM	
2	8	TRITIU	11	PCIM	
3	3	TRITIU	13	PCIM	
1	7	TRITIU	0	PCIM	
2	3	TRITIU	16	PCIM	
1	9	TRITIU	0.7	PCIM	
3	6	TRITIU	13	PCIM	
1	5	TRITIU	3.6	PCIM	
1	3	U	25.6	MGKG	
2	4	U	43.5	MGKG	
3	3	U	53.9	MGKG	
2	1	V	36.1	MGKG	
1	1	V	35.6	MGKG	
3	1	V	38.6	MGKG	
1	8	ZN	38.1	MGKG	YES

APPENDIX D

K-AREA

APPENDIX D-1

**QUARTERLY GROUNDWATER DATA
from K-AREA COAL PILE RUNOFF BASIN
KCB MONITOR WELLS**

K-AREA COAL PILE RUNOFF BASIN MONITOR WELLS

	Water Depth (feet)	pH	Specific Cond. (UMHO)	Sulfate (UG/L)	Iron (UG/L)	TOC (UG/L)	Nickel (UG/L)	Chromium (UG/L)	Arsenic (UG/L)	Barium (UG/L)	Cadmium (UG/L)	Lead (UG/L)	Mercury (UG/L)	Selenium (UG/L)	Silver (UG/L)	Endrin (UG/L)	Lindane (UG/L)	Methoxychloro (UG/L)	Toxaphene (UG/L)
DW Stand	6.5-8.5			250000	300			50	50	1000	10	50	2	10	50	0.2	4	100	5
RCRA(AIX)							50	70	500	20	40	40	2	750	70	0.1		2	2
SRS Bkgd	5.2-6.3		50	5-10000	25		<4.0	<4.0	<1.0	25	<2.0	10 to 15	<0.20	<2.0	<2.0				
KCB-1																			
1/86	54.60	4.70	80	26000	57	-1000													
2/86	54.90	4.60	80							-10					-2				
3/86	51.65	5.10	98	43000		1600													
4/86	52.15	4.60	120																
1/87	52.02	5.10	140	32500	15	-1000		-4	-2	18	-2	8	-0.2	2	-2				
2/87	50.14	5.30	135																
3/87	48.36	5.40	32	88300		4300													
4/87	49.81	5.20	217																
5/87	50.53	5.10	240	88000	4					30		8		-2					
2/88	50.92	5.40	325	108000	219														
3/88	52.24	5.10	320	100000															
4/88	52.60	5.20	349																
1/89	53.90	5.30	362	132000	54					30		-6		3					
KCB-2																			
1/88	50.00	4.60	47	8000	286	-1000													
2/88	49.60	4.60	50							-10					-2				
3/88	47.88	4.80	54	15000		2000													
4/86	47.22	4.20	66																
1/87	48.07	4.80	87	17000	66	1000		-4	-2	4	-2	7	-0.2	-2	-2				
2/87	46.19	4.90	59																
3/87	44.59	4.30	51	6690		1100													
4/87	45.21	4.50	48																
1/88	46.65	4.70	44	-5000	110					12		9		-2					
2/88	47.29	4.80	42	-5000	270														
3/88	48.73	4.40	46	5400															
4/88	49.04	4.30	56																
1/89	50.08	4.30	78	5800	237					14		18		-2					

K-AREA COAL PILE RUNOFF BASIN MONITOR WELLS

DW Stand	6:5-8:5	250000	300	TOC	Nickel	Chromium	Arsenic	Barium	Cadmium	Lead	Mercury	Selenium	Silver	Endrin	Lindane	Methoxychlor	Toxaphene
Water Depth	Specific Cond	Sulfate	Iron	Iron	Iron	Iron	Iron	Iron	Iron	Iron	Iron	Iron	Iron	Iron	Iron	Iron	Iron
(feet)	(UMHO)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
1/86	44.60	3.80	148	55000	186	-1000	40	-2									
2/86	44.30	4.10	130	52000		3000											
3/86	42.38	4.20	165														
4/86	41.96	4.00	140	197000	120	1000											
1/87	42.28	4.10	440														
2/87	40.52	4.10	580	236000		1200											
4/87	40.02	4.00	488														
3/87	39.58	4.00	440														
1/88	41.28	4.00	495	250000	62												
2/88	41.78	4.00	605	291000	59												
3/88	43.28	3.80	610	-5000													
4/88	43.48	3.70	640														
1/89	44.85	3.80	688	393000	117												
KCB-4																	
1/86	49.90	4.70	232	110000	54	-1000											
2/86	48.38	4.80	300	130000		3000											
3/86	47.48	5.70	375	112000	59	1000											
1/87	47.48	5.70	375														
2/87	45.85	5.80	355														
3/87	44.80	4.90	390	89300		-1000											
4/87	45.40	6.20	566														
1/88	45.92	6.40	370	102000	12												
2/88	46.45	6.50	330	76500	-4												
3/88	47.70	6.50	350	74000													
4/88	47.84	6.50	385														
1/89	49.24	6.70	388	90700	39												

APPENDIX D-2

**QUARTERLY WATER ELEVATIONS
for KCB and KAB WELLS**

K-AREA

1ST Q 1986

K-AREA

1ST Q 1987

1ST Q 1988

K-AREA

APPENDIX D-3

**GRAPHS of QUARTERLY DATA
for KCB WELLS**

**pH
SULFATE
SPECIFIC CONDUCTIVITY
IRON**

KCB WELL SERIES SULFATE

KCB WELL SERIES SPECIFIC CONDUCTIVITY

KCB WELL SERIES IRON

APPENDIX D-4

ANALYSIS of KCB SOILS

**K-AREA
COAL PILE RUNOFF BASIN
(KCPRB)**

KCPRB1	-R	Rinsate
	-01	0-0.75 feet
	-02	0-2
	-03	2-4
	-04	4-6
	-05	6-8
	-06	8-10
	-07	10-13
	-08	13-16
	-09	16-20

KPRB2	-R	Rinsate
	-01	0-0.75 feet
	-02	0-2
	-03	2-4
	-04	4-6
	-05	6-8
	-06	8-10
	-07	10-13

KPRB3	-R	Rinsate
	-01	0-0.75
	-02	0-2
	-03	2-4
	-04	4-6
	-05	6-8
	-06	8-10
	-09	16-20

SAVANNAH RIVER PLANT
 AREA COAL PILE RUNOFF BASIN
 ALL DETECTED CONSTITUENTS

Core	Sample#	Test	Result	Units
1	0	CR	17.2	UGL
1	1	4CL3C	760	UGKG
1	1	AG	500	UGL
1	1	AG	1.9	MGKG
1	1	ALPHAG	9	PCIG
1	1	AS	500	UGL
1	1	BA	1000	UGL
1	1	BETAG	6	PCIG
1	1	CD	100	UGL
1	1	CD	9.4	MGKG
1	1	CR	12.4	MGKG
1	1	CR	500	UGL
1	1	CU	12.6	MGKG
1	1	HG	0.2	UGL
1	1	HG	0.13	MGKG
1	1	NI	7.5	MGKG
1	1	NO3	0.66	MGKG
1	1	PB	500	UGL
1	1	PDBPD	0.08	MGKG
1	1	SE	1	MGKG
1	1	SULFID	0.33	MGKG
1	1	TOTRAD	1.5	PCIG
1	1	TRITIUM	1.2	PCIM
1	1	U	187	MGKG
1	1	V	37.2	MGKG
1	1	ZN	5	MGKG
1	2	ALPHAG	13	PCIG
1	2	BA	40.7	MGKG
1	2	BETAG	0	PCIG
1	2	CD	1	MGKG
1	2	CR	6.6	MGKG
1	2	CYN	1.1	MGKG
1	2	F	4.4	MGKG
1	2	FE	7910	MGKG
1	2	HA	1020	MGKG
1	2	NO3	0.57	MGKG
1	2	SE	1	MGKG
1	2	SO4	263	MGKG
1	2	TOTRAD	1.9	PCIG
1	2	TRITIUM	1.7	PCIM
1	2	U	204	MGKG
1	2	ZN	8.1	MGKG
1	3	ALPHAG	5	PCIG
1	3	AS	2.1	MGKG
1	3	BA	41.7	MGKG
1	3	BETAG	6	PCIG
1	3	CD	1	MGKG
1	3	CU	9.2	MGKG
1	3	MN	11.5	MGKG
1	3	PB	2.7	MGKG
1	3	TOTRAD	2.5	PCIG
1	3	TRITIUM	4.9	PCIM
1	3	ZN	6.4	MGKG
1	4	AG	2.2	MGKG
1	4	ALPHAG	5	PCIG
1	4	AS	2.9	MGKG
1	4	BA	44.4	MGKG
1	4	BETAG	5	PCIG
1	4	CR	10.8	MGKG
1	4	CYN	1.2	MGKG
1	4	F	4.8	MGKG
1	4	HG	0.12	MGKG
1	4	NI	8.9	MGKG
1	4	NO3	1.7	MGKG
1	4	PO4	96.1	MGKG
1	4	TOTRAD	2.5	PCIG
1	4	TRITIUM	2.2	PCIM
1	4	U	222	MGKG
1	4	ZN	6.6	MGKG

SAVANNAH RIVER PLANT
K AREA COAL PILE RUNOFF BASIN
ML DETECTED CONSTITUENTS

Core	Sample#	Test	Result	Units
1	5	AS	1.9	MSKG
1	5	ALPHAG	2	PCIG
1	5	AS	1.9	MSKG
1	5	BETAG	6	PCIG
1	5	CD	0.97	MSKG
1	5	FE	2010	MSKG
1	5	NA	974	MSKG
1	5	SE	0.97	MSKG
1	5	SO4	92.8	MSKG
1	5	TOTRAD	1.7	PCIG
1	5	TRITIUM	2	PCIM
1	5	U	195	MSKG
1	5	ZN	8.2	MSKG
1	6	AS	1.8	MSKG
1	6	ALPHAG	6	PCIG
1	6	ALPHAG	6	PCIG
1	6	BA	39.6	MSKG
1	6	BETAG	11	PCIG
1	6	BETAG	7	PCIG
1	6	CU	7.8	MSKG
1	6	F	4.4	MSKG
1	6	MM	25.1	MSKG
1	6	PB	2.7	MSKG
1	6	PO4	106	MSKG
1	6	SE	0.91	MSKG
1	6	SO4	243	MSKG
1	6	TOTRAD	2.2	PCIG
1	6	TOTRAD	2	PCIG
1	6	TRITIUM	2.4	PCIM
1	6	TRITIUM	3	PCIM
1	6	U	183	MSKG
1	7	AS	1.6	MSKG
1	7	CR	4.4	MSKG
1	7	HG	0.11	MSKG
1	7	NI	6.3	MSKG
1	7	NO3	0.57	MSKG
1	7	PB	1.8	MSKG
1	7	PO4	110	MSKG
1	7	SE	0.79	MSKG
1	7	SO4	173	MSKG
1	7	U	158	MSKG
1	7	ZN	6	MSKG
1	8	AS	2.3	MSKG
1	8	ALPHAG	8	PCIG
1	8	BETAG	6	PCIG
1	8	CD	1.1	MSKG
1	8	FE	9260	MSKG
1	8	NI	9.1	MSKG
1	8	PB	2.8	MSKG
1	8	PO4	139	MSKG
1	8	PO4	151	MSKG
1	8	TOTRAD	1.6	PCIG
1	8	TRITIUM	2.7	PCIM
1	9	ALPHAG	12	PCIG
1	9	BA	40.6	MSKG
1	9	BETAG	5	PCIG
1	9	CU	9.1	MSKG
1	9	CYN	1.1	MSKG
1	9	F	4.9	MSKG
1	9	NO3	0.56	MSKG
1	9	SO4	209	MSKG
1	9	TOTRAD	2.6	PCIG
1	9	TRITIUM	1.7	PCIM
1	9	ZN	8.4	MSKG
2	0	CR	65.2	UGL
2	0	PB	5.6	UGL
2	1	AS	50.6	MSKG
2	1	BZEPH	1200	UGKG
2	1	BA	74.5	MSKG

SAVANNAH RIVER PLANT
AREA COAL PILE RUNOFF BASIN
ALL DETECTED CONSTITUENTS

Core	Sample#	Test	Result	Units
2	1	BBZP	810	UGK6
2	1	CR	13.6	MGK6
2	1	CU	21.5	MGK6
2	1	FE	19200	MGK6
2	1	MN	16.9	MGK6
2	1	NI	14.6	MGK6
2	1	PB	25.3	MGK6
2	1	PO4	229	MGK6
2	1	PO4	248	MGK6
2	1	SN	45	MGK6
2	1	SO4	269	MGK6
2	1	V	36.2	MGK6
2	1	ZN	16.8	MGK6
2	2	CU	5.6	MGK6
2	2	FE	3620	MGK6
2	2	MN	6.1	MGK6
2	2	PB	2.8	MGK6
2	2	PO4	77.7	MGK6
2	2	SO4	91.3	MGK6
2	2	ZN	12.6	MGK6
2	3	CR	2.8	MGK6
2	3	CU	7.4	MGK6
2	3	FE	2820	MGK6
2	3	MN	20	MGK6
2	3	PB	3	MGK6
2	3	PO4	32.3	MGK6
2	3	SO4	82.5	MGK6
2	3	ZN	11.2	MGK6
2	4	AS	5.2	MGK6
2	4	CR	3.4	MGK6
2	4	CU	7.8	MGK6
2	4	FE	4410	MGK6
2	4	MN	11.9	MGK6
2	4	PB	5.1	MGK6
2	4	PO4	99.4	MGK6
2	4	SO4	105	MGK6
2	4	ZN	11.5	MGK6
2	5	AS	5.6	MGK6
2	5	CR	3.2	MGK6
2	5	CU	7.3	MGK6
2	5	FE	3990	MGK6
2	5	MN	11.5	MGK6
2	5	PB	4.7	MGK6
2	5	PO4	51.2	MGK6
2	5	SO4	134	MGK6
2	5	ZN	9.4	MGK6
2	6	CR	2.3	MGK6
2	6	CU	6.1	MGK6
2	6	FE	2050	MGK6
2	6	MN	7.8	MGK6
2	6	NI	11.4	MGK6
2	6	PB	2.2	MGK6
2	6	PO4	29.5	MGK6
2	6	SO4	72.3	MGK6
2	6	ZN	6.9	MGK6
2	7	AS	4.3	MGK6
2	7	CR	6.3	MGK6
2	7	FE	3650	MGK6
2	7	MN	8.1	MGK6
2	7	NI	12.3	MGK6
2	7	PB	3	MGK6
2	7	PO4	29.4	MGK6
2	7	SO4	74.7	MGK6
2	7	ZN	11.7	MGK6
3	0	CR	40	UGL
3	1	CR	9.2	MGK6
3	1	FE	6960	MGK6
3	1	MN	10.2	MGK6
3	1	NO3	0.67	MGK6

SAVANNAH RIVER PLANT
K AREA COAL PILE RUNOFF BASIN
ALL DETECTED CONSTITUENTS

Core	Sample#	Test	Result	Units
1	1	PB	3.8	MG/G
	1	PO4	33.4	MG/G
	1	SO4	81	MG/G
	1	V	22.6	MG/G
	1	ZN	8.3	MG/G
	2	CR	32.1	MG/G
	2	FE	21600	MG/G
	2	MN	13.9	MG/G
	2	PB	4.6	MG/G
	2	PO4	51.4	MG/G
	2	SO4	43	MG/G
	2	ZN	11	MG/G
	3	CR	9.9	MG/G
	3	FE	3900	MG/G
	3	MN	3.4	MG/G
	3	PB	2.3	MG/G
	3	PO4	12.5	MG/G
	3	ZN	8.1	MG/G
	4	CR	12.8	MG/G
	4	FE	4390	MG/G
2	4	MN	8.3	MG/G
	4	NO3	0.58	MG/G
	4	PB	3.8	MG/G
	4	PO4	30.9	MG/G
	4	PO4	13.1	MG/G
	4	ZN	10.4	MG/G
	5	CR	12.4	MG/G
	5	FE	4230	MG/G
	5	MN	4.9	MG/G
	5	NO3	0.66	MG/G
	5	PB	2.3	MG/G
	5	PO4	13.5	MG/G
	5	ZN	14.8	MG/G
	6	CR	6.8	MG/G
	6	FE	1460	MG/G
	6	MN	11.2	MG/G
	6	NO3	0.84	MG/G
	6	PB	2.5	MG/G
	6	PO4	12.9	MG/G
	6	ZN	9.1	MG/G
3	7	CR	3.5	MG/G
	7	FE	944	MG/G
	7	MN	6.7	MG/G
	7	NO3	1.4	MG/G
	7	PB	2.6	MG/G
	7	PO4	6.6	MG/G
	7	ZN	6.2	MG/G
	8	CR	13	MG/G
	8	FE	24400	MG/G
	8	MN	16.5	MG/G
	8	NO3	2.3	MG/G
	8	PB	1.9	MG/G
	8	PO4	18.4	MG/G
	8	ZN	5.1	MG/G
	9	ACET	23	UG/G
	9	ALPHA6	5	PCIG
	9	BETA6	3	PCIG
	9	CR	3.7	MG/G
	9	CU	6.7	MG/G
	9	FE	7920	MG/G
4	9	MN	4.9	MG/G
	9	NO3	2	MG/G
	9	PO4	18.5	MG/G
	9	TOTRAD	0.8	PCIG
5	9	TRITIUM	3.9	PCIM

SAVANNAH RIVER PLANT
K AREA COAL PILE RUNOFF BASIN
CONSTITUENTS DETECTED ABOVE BACKGROUND

Core	Sample#	Test	Result	Units	EXCEEDS BACKGROUND	CODE	CONSTITUENT	BACKGROUND
1	0	CR	17.2	UGL		4CL3C	3-METHYL-4-CHLOROPHENOL	0
1	1	4CL3C	760	UGKG	YES	ACET	ACETONE	0
1	1	AG	1.9	MGKG	YES	AG	SILVER	0.76
1	1	AG	500	UGL		ALPHAG	GROSS ALPHA	NA
1	1	ALPHAG	9	PCIG		AS	ARSENIC	9
1	1	AS	500	UGL		B2EHP	BIS(2-ETHYLHEXYL) PHTHALATE	0
1	1	BA	1000	UGL		BA	BARIUM	104
1	1	BETAG	6	PCIG		BBZP	BUTYLBENZYL PHTHALATE	0
1	1	CD	100	UGL		BETAG	NONVOLATILE BETA	NA
1	1	CD	9.4	MGKG		CD	CADMIUM	0.6
1	1	CR	500	UGL		CO	COBALT	NA
1	1	HG	0.13	MGKG	YES	CR	CHROMIUM	44
1	1	HG	0.2	UGL		CU	COPPER	21
1	1	NO3	0.66	MGKG		CYN	CYANIDE	0
1	1	PB	500	UGL		F	FLUORIDE	NA
1	1	PDBPD	0.08	MGG	YES	FE	IRON	44151
1	1	SE	1	MGKG		HG	MERCURY	0.1
1	1	SULFID	0.33	MGKG		MN	MANGANESE	NA
1	1	TOTRAD	1.5	PCIG		NA	SODIUM	380
1	1	TRITIUM	1.2	PCIM		NI	NICKEL	11
1	1	U	187	MGKG		NO3	NITRATE AS NITROGEN	NA
1	1	V	37.2	MGKG		PB	LEAD	34
1	2	ALPHAG	13	PCIG		PDBPD	POLYCHLORINATED DI-BENZO-P-DIOXINS	0
1	2	BETAG	0	PCIG		PO4	PHOSPHATE	NA
1	2	CD	1	MGKG	YES	SE	SELENIUM	NA
1	2	CYN	1.1	MGKG	YES	SN	TIN	NA
1	2	F	4.4	MGKG		SO4	SULFATE	NA
1	2	NA	1020	MGKG	YES	SULFID	SULFIDE	NA
1	2	NO3	0.57	MGKG		TOTRAD	TOTAL RADIUM	NA
1	2	SE	1	MGKG		TRITIUM	TRITIUM	NA
1	2	SO4	263	MGKG		U	URANIUM	NA
1	2	TOTRAD	1.9	PCIG		V	VANADIUM	NA
1	2	TRITIUM	1.7	PCIM		ZN	ZINC	31
1	2	U	204	MGKG				
1	3	ALPHAG	5	PCIG				
1	3	BETAG	6	PCIG				
1	3	CD	1	MGKG	YES			
1	3	MN	11.5	MGKG				
1	3	TOTRAD	2.5	PCIG				
1	3	TRITIUM	4.9	PCIM				
1	4	AG	2.2	MGKG	YES			
1	4	ALPHAG	5	PCIG				
1	4	BETAG	5	PCIG				
1	4	CYN	1.2	MGKG	YES			
1	4	F	4.8	MGKG				
1	4	HG	0.12	MGKG	YES			
1	4	NO3	1.7	MGKG				
1	4	PO4	96.1	MGKG				
1	4	TOTRAD	2.5	PCIG				
1	4	TRITIUM	2.2	PCIM				
1	4	U	222	MGKG				
1	5	AG	1.9	MGKG	YES			
1	5	ALPHAG	2	PCIG				
1	5	BETAG	6	PCIG				
1	5	CD	0.97	MGKG	YES			
1	5	NA	974	MGKG	YES			
1	5	SE	0.97	MGKG				
1	5	SO4	92.8	MGKG				
1	5	TOTRAD	1.7	PCIG				
1	5	TRITIUM	2	PCIM				
1	5	U	195	MGKG				
1	6	AG	1.8	MGKG	YES			
1	6	ALPHAG	6	PCIG				
1	6	ALPHAG	6	PCIG				
1	6	BETAG	7	PCIG				
1	6	BETAG	11	PCIG				
1	6	F	4.4	MGKG				
1	6	MN	25.1	MGKG				
1	6	PO4	106	MGKG				

NA- NO BACKGROUND AVAILABLE

SAVANNAH RIVER PLANT
K AREA COAL PILE RUNOFF BASIN
CONSTITUENTS DETECTED ABOVE BACKGROUND

Core	Sample#	Test	Result	Units	EXCEEDS BACKGROUND	CODE	CONSTITUENT	BACKGROUND
1	6	SE	0.91	MGKG				
1	6	SO4	243	MGKG				
1	6	TOTRAD	2.2	PCIG				
1	6	TOTRAD	2	PCIG				
1	6	TRITIU	3	PCIM				
1	6	TRITIU	2.4	PCIM				
1	6	U	183	MGKG				
1	7	H6	0.11	MGKG	YES			
1	7	NO3	0.57	MGKG				
1	7	PO4	110	MGKG				
1	7	SE	0.79	MGKG				
1	7	SO4	173	MGKG				
1	7	U	158	MGKG				
1	8	AS	2.3	MGKG	YES			
1	8	ALPHAG	8	PCIG				
1	8	BETAG	6	PCIG				
1	8	CD	1.1	MGKG	YES			
1	8	PO4	139	MGKG				
1	8	PO4	151	MGKG				
1	8	TOTRAD	1.6	PCIG				
1	8	TRITIU	2.7	PCIM				
1	9	ALPHAG	12	PCIG				
1	9	BETAG	5	PCIG				
1	9	CYN	1.1	MGKG	YES			
1	9	F	4.9	MGKG				
1	9	NO3	0.56	MGKG				
1	9	SO4	209	MGKG				
1	9	TOTRAD	2.6	PCIG				
1	9	TRITIU	1.7	PCIM				
2	0	CR	65.2	UGL				
2	0	PB	5.6	UGL				
2	1	AS	50.6	MGKG	YES			
2	1	B2EHP	1200	UGKG	YES			
2	1	BBZP	810	UGKG	YES			
2	1	CU	21.5	MGKG	YES			
2	1	MN	16.9	MGKG				
2	1	NI	14.6	MGKG	YES			
2	1	PO4	248	MGKG				
2	1	PO4	229	MGKG				
2	1	SN	45	MGKG				
2	1	SO4	269	MGKG				
2	1	V	36.2	MGKG				
2	2	MN	6.1	MGKG				
2	2	PO4	77.7	MGKG				
2	2	SO4	91.3	MGKG				
2	3	MN	20	MGKG				
2	3	PO4	32.3	MGKG				
2	3	SO4	82.5	MGKG				
2	4	MN	11.9	MGKG				
2	4	PO4	99.4	MGKG				
2	4	SO4	105	MGKG				
2	5	MN	11.5	MGKG				
2	5	PO4	51.2	MGKG				
2	5	SO4	134	MGKG				
2	6	MN	7.8	MGKG				
2	6	NI	11.4	MGKG	YES			
2	6	PO4	29.5	MGKG				
2	6	SO4	72.3	MGKG				
2	7	MN	8.1	MGKG				
2	7	NI	12.3	MGKG	YES			
2	7	PO4	29.4	MGKG				
2	7	SO4	74.7	MGKG				
3	0	CR	40	UGL				
3	1	MN	10.2	MGKG				
3	1	NO3	0.67	MGKG				
3	1	PO4	33.4	MGKG				
3	1	SO4	81	MGKG				
3	1	V	22.6	MGKG				
3	2	MN	13.9	MGKG				

SAVANNAH RIVER PLANT
K AREA COAL PILE RUNOFF BASIN
CONSTITUENTS DETECTED ABOVE BACKGROUND

Core	Sample#	Test	Result	Units	EXCEEDS BACKGROUND	CODE	CONSTITUENT	BACKGROUND
3	2	PO4	51.4	MGKG				
3	2	SO4	43	MGKG				
3	3	NN	3.4	MGKG				
3	3	PO4	12.5	MGKG				
3	4	NN	8.3	MGKG				
3	4	NO3	0.58	MGKG				
3	4	PO4	30.9	MGKG				
3	4	PO4	13.1	MGKG				
3	5	NN	4.9	MGKG				
3	5	NO3	0.66	MGKG				
3	5	PO4	13.5	MGKG				
3	6	NN	11.2	MGKG				
3	6	NO3	0.84	MGKG				
3	6	PO4	12.9	MGKG				
3	7	NN	6.7	MGKG				
3	7	NO3	1.4	MGKG				
3	7	PO4	6.6	MGKG				
3	8	NN	16.5	MGKG				
3	8	NO3	2.3	MGKG				
3	8	PO4	18.6	MGKG				
3	9	ACET	23	UGKG	YES			
3	9	ALPHAG	5	PCIG				
3	9	BETAG	3	PCIG				
3	9	NN	4.9	MGKG				
3	9	NO3	2	MGKG				
3	9	PO4	18.5	MGKG				
3	9	TOTRAD	0.8	PCIG				
3	9	TRITIUM	3.9	PCIN				

APPENDIX E

P-AREA

APPENDIX E-1

**QUARTERLY GROUNDWATER DATA
from P-AREA COAL PILE RUNOFF BASIN
PCB MONITOR WELLS**

P-AREA COAL PILE RUNOFF BASIN MONITOR WELLS

	Water Depth (feet)	pH	Specific Cond. (UMHO)	Sulfate (UG/L)	Iron (UG/L)	TOC (UG/L)	Nickel (UG/L)	Chromium (UG/L)	Arsenic (UG/L)	Barium (UG/L)	Cadmium (UG/L)	Lead (UG/L)	Mercury (UG/L)	Selenium (UG/L)	Silver (UG/L)	Endrin (UG/L)	Lindane (UG/L)	Methoxycho (UG/L)	Toxaphene (UG/L)
DW Stand.	6.5-8.5			250000	300			50	50	1000	10	50	2	10	50	0.2	4	100	5
RCRA(AIX)							50	70	500	20	40	40	2	750	70	0.1			
SRS Bgd.	5.2-8.3	50	5-10000	25			<4.0	<4.0	<1.0	25	<2.0	10 to 15	<0.20	<2.0	<2.0			2	2
PCB-1A																			
1/86	19.30	5.20	125	-5000	108	1000					-2	-10							
2/86	19.60	4.70	138					-4		27			-0.2	-2	-2				
3/86	21.01	4.60	90	20000		-1000	-4				-2	-5							
4/86	21.50	4.60	105																
1/87	18.77	4.80	181	5500	52	2000	22	-4	-2	50	-2	23	-0.2	-2	-2				
2/87	18.04	4.00	530																
3/87	19.67	4.10	142	20000	960	41000	5	-4			-2	-6							
4/87	19.88	4.70	114																
1/88	21.46	4.80	150	42000	824	1000	21	-4			-2	19		-2					
2/88	21.77	4.30	210	48900	955														
3/88	22.35	4.50	90	18200	1300	-1000	-4	-4			-2	8		-2					
4/88	26.23	4.80	98																
1/89	28.17	4.80	82	17800	1450	1100	5	-4			-2	7		-2					
PCB-2A																			
1/86	20.50	4.00	39	-5000	482	-1000					-2	16							
2/86	20.70	4.90	46					-4		10			-0.2	-2	-2				
3/86	22.36	4.80	53	-3000		1000	-4				-2	9							
4/86	23.02	4.50	66																
1/87	19.00	5.50	51	5000	60	2000	-4	-4	-2	10	-2	15	-0.2	-2	-2				
2/87	19.01	4.70	47																
3/87	20.54	4.10	58	-5000	580	3000	-4	-4			-2	9		-2					
4/87	22.25	5.40	55																
1/88	22.53	4.80	51	-5000	620	-1000	5	-4			-2	-6		-2					
2/88	22.88	5.10	48	-5000	2950														
3/88	23.57	4.70	53	8900	156	1200	-4	-4			-2	9		-2					
4/88	26.74	4.70	63																
1/89	28.70	4.50	57	-5000	116	1800	-4	-4			-2	-6		-2					

P-AREA COAL PILE RUNOFF BASIN MONITOR WELLS

	Water Depth (feet)	pH	Specific Cond. (UMHO)	Sulfate (UG/L)	Iron (UG/L)	TOC (UG/L)	Nickel (UG/L)	Chromium (UG/L)	Arsenic (UG/L)	Barium (UG/L)	Cadmium (UG/L)	Lead (UG/L)	Mercury (UG/L)	Selenium (UG/L)	Silver (UG/L)	Endrin (UG/L)	Lindane (UG/L)	Methoxychlor (UG/L)	Toxaphene (UG/L)
DW Stand	6.5-8.5			250000	300			50	50	1000	10	50	2	10	50	0.2	4	100	5
RCRA(AIX)							50	70	500	20	40	40	2	750	70	0.1		2	2
SRS Bkgd	5.2-6.3		50	5-10000	25		<4.0	<4.0	<1.0	25	<2.0	10 to 15	<0.20	<2.0	<2.0				
PCB-3A																			
1/86	19.30	3.80	410	410000	120	1000					-2	42							
2/86	20.50	3.80	580					4		28			-0.2	8	-2				
3/86	21.85	3.40	1400	1440000		3000	858				19	-5							
4/86	22.21	3.40	1950																
1/87	18.68	3.90	1300	831000	335	2700	488	30	-2	20	9	-6	-0.2	11	-2				
2/87	15.29	3.40	1450																
3/87	19.87	3.40	1395	700000	1720	21000	393	21			12	62		2					
4/87	20.81	3.50	952																
1/88	21.67	3.80	685	408000	374	-1000	193	18			8	20		-2					
2/88	21.74	3.70	1310	1058000	221														
3/88	22.95	3.30	1810	1440000	2750	2900	498	40			16	36		3					
4/88	26.68	3.30	1435																
1/89	27.28	3.30	1489	1299000	1050	2100	466	19				-6		5					
PCB-4A																			
1/86	25.40	3.70	82	-5000	340	-1000					-2	14							
2/86	25.60	4.10	72					-4		10			-0.2	-2	-2				
3/86	27.21	4.30	72	15000		-1000	5				-2	93							
4/86	27.69	3.60	95																
1/87	24.17	4.60	79	7000	22	2100	9	-4	-2	8	-2	46	-0.2	-2	-2				
2/87	23.82	3.90	110																
3/87	25.05	3.90	190	32000	110	9000	16	-4			5	42		-2					
4/87	25.47	4.20	97																
1/88	27.25	4.20	77	13000	185	-1000	18	-4			-2	52		-2					
2/88	27.74	4.30	93	21900	569														
3/88	28.25	3.70	250	80000	216	1200	61	6			-2	73		-2					
4/88	31.03	3.90	170																
1/89	32.74	3.90	91	20300	68	1300	10	-4			-2	16		-2					

APPENDIX E-2

QUARTERLY WATER ELEVATIONS for PCB WELLS

P-AREA

1ST Q 1988

POWER
HOUSE

COAL
PILE

ASH
BASIN

1ST Q 1987

P-AREA

P-AREA

1ST Q 1986

POWER
HOUSE

COAL
PILE

ASH
BASIN

APPENDIX E-3

**GRAPHS of QUARTERLY DATA
for PCB WELLS**

**pH
SULFATE
SPECIFIC CONDUCTIVITY
IRON**

PCB WELL SERIES SULFATE

PCB WELL SERIES IRON

APPENDIX E-4

ANALYSIS of PCB SOILS

**P-AREA
COAL PILE RUNOFF BASIN
(PCPRB)**

PCPRB1 -R	Rinsate
-01	0-0.75 feet
-02	0-2
-03	2-4
-04	4-6
-05	6-8
-06	8-10
-07	10-13
-08	13-16
-09	16-20

PCPRB2 -R	Rinsate
-01	0-0.75 feet
-02	0-2
-03	2-4
-04	4-6
-05	6-8
-06	8-10
-07	10-13
-08	13-16
-09	16-20

PCPRB3 -R	Rinsate
-01	0-0.75 feet
-02	0-2
-03	2-4
-04	4-6
-05	6-8
-06	8-10
-07	10-13
-08	13-16
-09	16-20

	Qrc	Sample #				Test	mod	Result	Units
PCPRB	1	1 071988	072888	1200	WA	8807 094 005 MEC688	X9	135	PER
PCPRB	1	1 071988	072888	1200	WA	8807 094 005 PBF8	X9	84	PER
PCPRB	1	1 071988	072888	1200	WA	8807 094 005 12DCB4	X9	127	PER
PCPRB	1	1 071988	072888	1200	WA	8807 094 005 CH3CL	X9 LT	13	UGKG
PCPRB	1	1 071988	072888	1200	WA	8807 094 005 CH3BR	X9 LT	13	UGKG
PCPRB	1	1 071988	072888	1200	WA	8807 094 005 C2H3CL	X9 LT	13	UGKG
PCPRB	1	1 071988	072888	1200	WA	8807 094 005 C2H5CL	X9 LT	13	UGKG
PCPRB	1	1 071988	072888	1200	WA	8807 094 005 CH2CL2	X9 B	29	UGKG
PCPRB	1	1 071988	072888	1200	WA	8807 094 005 ACET	X9 B	44	UGKG
PCPRB	1	1 071988	072888	1200	WA	8807 094 005 CS2	X9 LT	6	UGKG
PCPRB	1	1 071988	072888	1200	WA	8807 094 005 11DCE	X9 LT	6	UGKG
PCPRB	1	1 071988	072888	1200	WA	8807 094 005 11DCE	X9 LT	6	UGKG
PCPRB	1	1 071988	072888	1200	WA	8807 094 005 12DCE	X9 LT	6	UGKG
PCPRB	1	1 071988	072888	1200	WA	8807 094 005 CHCL3	X9 LT	6	UGKG
PCPRB	1	1 071988	072888	1200	WA	8807 094 005 12DCE	X9 LT	6	UGKG
PCPRB	1	1 071988	072888	1200	WA	8807 094 005 MEK	X9 LT	13	UGKG
PCPRB	1	1 071988	072888	1200	WA	8807 094 005 111TCE	X9 LT	6	UGKG
PCPRB	1	1 071988	072888	1200	WA	8807 094 005 CCL4	X9 LT	6	UGKG
PCPRB	1	1 071988	072888	1200	WA	8807 094 005 VINYL	X9 LT	13	UGKG

D8807094.WK1

SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method	#	Modifier	Result	Units	??
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	BRDCLM	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	12DCLP	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	T13DCP	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	TRCLE	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	DBRCLM	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	112TCE	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	C6H6	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	13DCPC	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	2CLEVE	X9		LT	13	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	CHBR3	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	4ME2PE	X9		LT	13	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	2HXOME	X9		LT	13	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	ACROLN	X9		LT	13	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	ACRYLO	X9		LT	13	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	CCL3F	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	TCLEE	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	TCLEE	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	MEC6H5	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	CLC6H5	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	ETC6H5	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	STYR	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	XYLEN	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	CCL2F2	X9		LT	13	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	ACETN	X9		LT	26	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	10DOME	X9		LT	13	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	NEACRY	X9		LT	26	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	DBM	X9		LT	13	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	ISOB	X9		LT	26	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	12DBE	X9		LT	26	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	2TCLEA	X9		LT	13	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	123CPR	X9		LT	13	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	DBCP	X9		LT	26	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	2CH13B	X9		LT	130	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	AYLCL	X9		LT	26	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	T14DCB	X9		LT	65	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	PRONIT	X9		LT	130	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	MEC6D8	X9			121	PER	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	PBF3	X9			83	PER	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	12DCD4	X9			121	PER	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	CH3CL	X9		LT	13	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	CH3BR	X9		LT	13	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	C2H3CL	X9		LT	13	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	C2H5CL	X9		LT	13	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	CH2CL2	X9		B	27	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	ACET	X9		B	28	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	CS2	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	110CE	X9			82	PER	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	110CLE	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	120CLE	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	CHCL3	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	12DCLE	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	MEK	X9		LT	13	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	111TCE	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	CCL4	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	VINYLA	X9		LT	13	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	BRDCLM	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	12DCLP	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	T13DCP	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	TRCLE	X9			72	PER	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	DBRCLM	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	112TCE	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	C6H6	X9			108	PER	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	13DCPC	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	2CLEVE	X9		LT	13	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	CHBR3	X9		LT	6	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	4ME2PE	X9		LT	13	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	2HXOME	X9		LT	13	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	ACROLN	X9		LT	13	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	ACRYLO	X9		LT	13	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	CCL3F	X9		LT	6	UGKG	

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SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method	#	Modifier	Result	Units
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	TCLEE	X9		LT	6	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	TCLEA	X9		LT	6	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	MEC6H5	X9			120	PER
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	CLC6H5	X9			102	PER
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	ETC6H5	X9		LT	6	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	STYR	X9		LT	6	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	XYLEN	X9		LT	6	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	CCL2F2	X9		LT	13	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	ACETN	X9		LT	26	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	IODOHE	X9		LT	13	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	MEACRY	X9		LT	26	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	DBM	X9		LT	13	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	ISOB	X9		LT	26	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	12DBE	X9		LT	26	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	2TCLEA	X9		LT	13	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	123CPR	X9		LT	13	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	DBCP	X9		LT	26	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	2CH13B	X9		LT	130	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	AYLCL	X9		LT	26	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	T14DCB	X9		LT	63	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	PRONIT	X9		LT	130	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	MEC6D8	X9			162	PER
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	P8FB	X9			64	PER
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	12DCD4	X9			126	PER
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	CH3CL	X9		LT	13	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	CH3BR	X9		LT	13	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	C2H3CL	X9		LT	13	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	C2H5CL	X9		LT	13	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	CH2CL2	X9		B	34	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	ACET	X9		B	30	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	CS2	X9		LT	6	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	11DCE	X9			86	PER
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	11DCE	X9		LT	6	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	12DCE	X9		LT	6	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	CHCL3	X9		LT	6	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	12DCE	X9		LT	6	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	MEK	X9		LT	13	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	111TCE	X9		LT	6	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	CCL4	X9		LT	6	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	VINYLA	X9		LT	13	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	BROCLM	X9		LT	6	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	12DCLP	X9		LT	6	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	T13DCP	X9		LT	6	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	TRCLE	X9			62	PER
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	DBRCLM	X9		LT	6	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	112TCE	X9		LT	6	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	C6H6	X9			122	PER
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	13DCPC	X9		LT	6	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	2CELEVE	X9		LT	13	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	CHBR3	X9		LT	6	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	4ME2PE	X9		LT	13	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	2HXONE	X9		LT	13	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	ACRODM	X9		LT	13	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	ACRYLO	X9		LT	13	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	CCL3F	X9		LT	6	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	TCLEE	X9		LT	6	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	TCLEA	X9		LT	6	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	MEC6H5	X9			154	PER
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	CLC6H5	X9			102	PER
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	ETC6H5	X9		LT	6	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	STYR	X9		LT	6	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	XYLEN	X9		LT	6	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	CCL2F2	X9		LT	13	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	ACETN	X9		LT	26	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	IODOHE	X9		LT	13	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	MEACRY	X9		LT	26	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	DBM	X9		LT	13	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	ISOB	X9		LT	26	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	12DBE	X9		LT	26	UGKG
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	2TCLEA	X9		LT	13	UGKG

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SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method	Modifier	Result	Units	??
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	123CPR	X9	LT	13	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	DBCP	X9	LT	26	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	2CH13B	X9	LT	130	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	AYLCL	X9	LT	26	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	T14DCB	X9	LT	65	UGKG	
PCPRB	1	1	071988	072888	1200	WA	8807 094 005	PRONIT	X9	LT	130	UGKG	
PCPRB	1	1	071988	081188	1200	WA	8807 094 005	24D	X9	LT	130	UGKG	
PCPRB	1	1	071988	081188	1200	WA	8807 094 005	SILVEX	X9	LT	66	UGKG	
PCPRB	1	1	071988	081188	1200	WA	8807 094 005	24ST	X9	LT	66	UGKG	
PCPRB	1	1	071988	081188	1200	WA	8807 094 005	24D	X9	LT	130	UGKG	
PCPRB	1	1	071988	081188	1200	WA	8807 094 005	SILVEX	X9	LT	66	UGKG	
PCPRB	1	1	071988	081188	1200	WA	8807 094 005	24ST	X9	LT	66	UGKG	
PCPRB	1	1	071988	080888	1200	WA	8807 094 005	TEPP	X9	LT	44	UGKG	
PCPRB	1	1	071988	080888	1200	WA	8807 094 005	THMZ	X9	LT	44	UGKG	
PCPRB	1	1	071988	080888	1200	WA	8807 094 005	PHORAT	X9	LT	9.2	UGKG	
PCPRB	1	1	071988	080888	1200	WA	8807 094 005	STPP	X9	LT	44	UGKG	
PCPRB	1	1	071988	080888	1200	WA	8807 094 005	DISFTN	X9	LT	9.2	UGKG	
PCPRB	1	1	071988	080888	1200	WA	8807 094 005	DINET	X9	LT	44	UGKG	
PCPRB	1	1	071988	080888	1200	WA	8807 094 005	PRTHNM	X9	LT	9.2	UGKG	
PCPRB	1	1	071988	080888	1200	WA	8807 094 005	PRTHN	X9	LT	9.2	UGKG	
PCPRB	1	1	071988	080888	1200	WA	8807 094 005	FAMP	X9	LT	87	UGKG	
PCPRB	1	1	071988	080588	1200	WA	8807 094 005	CTCDD	X9		64	PER	
PCPRB	1	1	071988	080588	1200	WA	8807 094 005	CDCDD	X9		48	PER	
PCPRB	1	1	071988	080588	1200	WA	8807 094 005	TCDD	X9	LT	0.14	NSG	
PCPRB	1	1	071988	080588	1200	WA	8807 094 005	PDBPD	X9	LT	0.19	NSG	
PCPRB	1	1	071988	080588	1200	WA	8807 094 005	PDBDF	X9	LT	0.6	NSG	
PCPRB	1	1	071988	091488	1200	WA	8807 094 005	ALPHAG	9W		12	PCIG	
PCPRB	1	1	071988	091488	1200	WA	8807 094 005	BETAG	9W		12	PCIG	
PCPRB	1	1	071988	082488	1200	WA	8807 094 005	TOTRAD	9Y		6.6	PCIG	
PCPRB	1	1	071988	091188	1200	WA	8807 094 005	TRITIU	9Y		2.3	PCIM	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	MEC6D8	2J		105	PER	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	PBFB	2J		97	PER	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	12DCD4	2J		119	PER	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	CH3CL	2J	LT	12	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	CH3BR	2J	LT	12	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	C2H3CL	2J	LT	12	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	C2H5CL	2J	LT	12	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	CH2CL2	2J	B	22	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	11DCE	2J	LT	6	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	11DCL2	2J	LT	6	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	112DCE	2J	LT	6	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	CHCL3	2J	LT	6	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	12DCL2	2J	LT	6	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	111TCE	2J	LT	6	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	CCL4	2J	LT	6	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	BRDCLM	2J	LT	6	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	12DCLP	2J	LT	6	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	T13DCP	2J	LT	6	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	TRCLE	2J	LT	6	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	DBRCLM	2J	LT	6	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	112TCE	2J	LT	6	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	C6H6	2J	LT	6	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	13DCPC	2J	LT	6	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	2CLEVE	2J	LT	12	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	CHBR3	2J	LT	6	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	TCLEE	2J	LT	6	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	TCLEA	2J	LT	6	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	MEC6H5	2J	LT	6	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	CLC6H5	2J	LT	6	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	ETC6H5	2J	LT	6	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	13DCLB	2J	LT	6	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	12DCLB	2J	LT	6	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	14DCLB	2J	LT	6	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	CCL3F	2J	LT	6	UGKG	
PCPRB	1	2	071988	072888	1200	WA	8807 094 007	CCL2F2	2J	LT	12	UGKG	
PCPRB	1	2	071988	091588	1200	WA	8807 094 007	ALPHAG	9W		14	PCIG	
PCPRB	1	2	071988	091588	1200	WA	8807 094 007	BETAG	9W		8	PCIG	
PCPRB	1	2	071988	082488	1200	WA	8807 094 007	TOTRAD	9Y		11	PCIG	
PCPRB	1	2	071988	091188	1200	WA	8807 094 007	TRITIU	9Y		2.7	PCIM	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	MEC6D8	2J		93	PER	

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SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method #	Modifier	Result	Units	??
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	PBFB	2J		105	PER	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	12DCD4	2J		122	PER	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	CH3CL	2J	LT	12	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	CH3BR	2J	LT	12	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	C2H3CL	2J	LT	12	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	C2H5CL	2J	LT	12	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	CH2CL2	2J	B	28	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	11DCE	2J	LT	6	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	11DCE	2J	LT	6	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	T12DCE	2J	LT	6	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	CHCL3	2J	LT	6	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	12DCE	2J	LT	6	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	111TCE	2J	LT	6	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	CCL4	2J	LT	6	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	BRDCLM	2J	LT	6	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	12DCLP	2J	LT	6	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	T13DCP	2J	LT	6	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	TRCLE	2J	LT	6	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	DBRCLM	2J	LT	6	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	112TCE	2J	LT	6	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	C6H6	2J	LT	6	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	13DCPC	2J	LT	6	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	2CLEVE	2J	LT	12	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	CHBR3	2J	LT	6	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	TCLEE	2J	LT	6	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	TCLEA	2J	LT	6	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	MEC6H5	2J	LT	6	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	CLC6H5	2J	LT	6	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	ETC6H5	2J	LT	6	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	13DCLB	2J	LT	6	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	12DCLB	2J	LT	6	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	14DCLB	2J	LT	6	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	CCL3F	2J	LT	6	UGKG	
PCPRB	1	3	071988	072888	1200	WA	8807 094 008	CCL2F2	2J	LT	12	UGKG	
PCPRB	1	3	071988	091588	1200	WA	8807 094 008	ALPHA6	9W		16	PCIG	
PCPRB	1	3	071988	091588	1200	WA	8807 094 008	BETA6	9W		5	PCIG	
PCPRB	1	3	071988	082488	1200	WA	8807 094 008	TOTRAD	9Y		4.8	PCIG	
PCPRB	1	3	071988	091188	1200	WA	8807 094 008	TRITIU	9Y		2.1	PCIM	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	MEC6DB	2J		93	PER	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	PBFB	2J		106	PER	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	12DCD4	2J		119	PER	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	CH3CL	2J	LT	12	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	CH3BR	2J	LT	12	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	C2H3CL	2J	LT	12	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	C2H5CL	2J	LT	12	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	CH2CL2	2J	B	23	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	11DCE	2J	LT	6	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	11DCE	2J	LT	6	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	T12DCE	2J	LT	6	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	CHCL3	2J	LT	6	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	12DCE	2J	LT	6	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	111TCE	2J	LT	6	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	CCL4	2J	LT	6	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	BRDCLM	2J	LT	6	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	12DCLP	2J	LT	6	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	T13DCP	2J	LT	6	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	TRCLE	2J	LT	6	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	DBRCLM	2J	LT	6	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	112TCE	2J	LT	6	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	C6H6	2J	LT	6	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	13DCPC	2J	LT	6	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	2CLEVE	2J	LT	12	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	CHBR3	2J	LT	6	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	TCLEE	2J	LT	6	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	TCLEA	2J	LT	6	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	MEC6H5	2J	LT	6	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	CLC6H5	2J	LT	6	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	ETC6H5	2J	LT	6	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	13DCLB	2J	LT	6	UGKG	
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	12DCLB	2J	LT	6	UGKG	

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SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method	#	Modifier	Result	Units	??	D
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	14DCLB	2J		LT	6	UGKG		
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	CCL3F	2J		LT	6	UGKG		
PCPRB	1	4	071988	072888	1200	WA	8807 094 009	CCL2F2	2J		LT	12	UGKG		
PCPRB	1	4	071988	092188	1200	WA	8807 094 009	ALPHA6	9W			6	PCIG	2	
PCPRB	1	4	071988	092188	1200	WA	8807 094 009	BETA6	9W			3	PCIG	2	
PCPRB	1	4	071988	082488	1200	WA	8807 094 009	TOTRAD	9Y			3	PCIG	0.5	
PCPRB	1	4	071988	091188	1200	WA	8807 094 009	TRITIUM	9Y			2.3	PCIM	0.5	
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	NEC608	2J			105	PER		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	PBFB	2J			107	PER		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	12DCD4	2J			124	PER		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	CH3CL	2J		LT	11	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	CH3BR	2J		LT	11	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	C2H3CL	2J		LT	11	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	C2H5CL	2J		LT	11	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	CH2CL2	2J		B	24	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	11DCE	2J		LT	6	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	11DCL	2J		LT	6	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	T12DCE	2J		LT	6	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	CHCL3	2J		LT	6	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	12DCL	2J		LT	6	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	111TCE	2J		LT	6	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	CCL4	2J		LT	6	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	BRDCLM	2J		LT	6	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	12DCLP	2J		LT	6	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	T13DCP	2J		LT	6	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	TRCLE	2J		LT	6	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	DBRCLM	2J		LT	6	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	112TCE	2J		LT	6	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	C6H6	2J		LT	6	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	13DCPC	2J		LT	6	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	2CLEVE	2J		LT	11	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	CHBR3	2J		LT	6	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	TCLEE	2J		LT	6	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	TCLEA	2J		LT	6	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	NEC6H5	2J		LT	6	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	CLC6H5	2J		LT	6	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	ETC6H5	2J		LT	6	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	13DCLB	2J		LT	6	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	12DCLB	2J		LT	6	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	14DCLB	2J		LT	6	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	CCL3F	2J		LT	6	UGKG		
PCPRB	1	5	071988	071988	1200	WA	8807 094 010	CCL2F2	2J		LT	11	UGKG		
PCPRB	1	5	071988	092188	1200	WA	8807 094 010	ALPHA6	9W			9	PCIG	3	
PCPRB	1	5	071988	092188	1200	WA	8807 094 010	BETA6	9W			4	PCIG	2	
PCPRB	1	5	071988	082488	1200	WA	8807 094 010	TOTRAD	9Y			2.3	PCIG	0.5	
PCPRB	1	5	071988	091188	1200	WA	8807 094 010	TRITIUM	9Y			1.6	PCIM	0.4	
PCPRB	1	6	071988	072888	1200	WA	8807 094 011	NEC608	2J			97	PER		
PCPRB	1	6	071988	072888	1200	WA	8807 094 011	PBFB	2J			105	PER		
PCPRB	1	6	071988	072888	1200	WA	8807 094 011	12DCD4	2J			124	PER		
PCPRB	1	6	071988	072888	1200	WA	8807 094 011	CH3CL	2J		LT	11	UGKG		
PCPRB	1	6	071988	072888	1200	WA	8807 094 011	CH3BR	2J		LT	11	UGKG		
PCPRB	1	6	071988	072888	1200	WA	8807 094 011	C2H3CL	2J		LT	11	UGKG		
PCPRB	1	6	071988	072888	1200	WA	8807 094 011	C2H5CL	2J		LT	11	UGKG		
PCPRB	1	6	071988	072888	1200	WA	8807 094 011	CH2CL2	2J		B	24	UGKG		
PCPRB	1	6	071988	072888	1200	WA	8807 094 011	11DCE	2J		LT	6	UGKG		
PCPRB	1	6	071988	072888	1200	WA	8807 094 011	11DCL	2J		LT	6	UGKG		
PCPRB	1	6	071988	072888	1200	WA	8807 094 011	T12DCE	2J		LT	6	UGKG		
PCPRB	1	6	071988	072888	1200	WA	8807 094 011	CHCL3	2J		LT	6	UGKG		
PCPRB	1	6	071988	072888	1200	WA	8807 094 011	12DCL	2J		LT	6	UGKG		
PCPRB	1	6	071988	072888	1200	WA	8807 094 011	111TCE	2J		LT	6	UGKG		
PCPRB	1	6	071988	072888	1200	WA	8807 094 011	CCL4	2J		LT	6	UGKG		
PCPRB	1	6	071988	072888	1200	WA	8807 094 011	BRDCLM	2J		LT	6	UGKG		
PCPRB	1	6	071988	072888	1200	WA	8807 094 011	12DCLP	2J		LT	6	UGKG		
PCPRB	1	6	071988	072888	1200	WA	8807 094 011	T13DCP	2J		LT	6	UGKG		
PCPRB	1	6	071988	072888	1200	WA	8807 094 011	TRCLE	2J		LT	6	UGKG		
PCPRB	1	6	071988	072888	1200	WA	8807 094 011	DBRCLM	2J		LT	6	UGKG		
PCPRB	1	6	071988	072888	1200	WA	8807 094 011	112TCE	2J		LT	6	UGKG		
PCPRB	1	6	071988	072888	1200	WA	8807 094 011	C6H6	2J		LT	6	UGKG		
PCPRB	1	6	071988	072888	1200	WA	8807 094 011	13DCPC	2J		LT	6	UGKG		
PCPRB	1	6	071988	072888	1200	WA	8807 094 011	2CLEVE	2J		LT	11	UGKG		

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SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method #	Modifier	Result	Units	??	D
PCPRB		1	6 071988	072888	1200	WA	8807 094 011	CHBR3	2J	LT	6 UGKG			
PCPRB		1	6 071988	072888	1200	WA	8807 094 011	TCLEE	2J	LT	6 UGKG			
PCPRB		1	6 071988	072888	1200	WA	8807 094 011	TCLEA	2J	LT	6 UGKG			
PCPRB		1	6 071988	072888	1200	WA	8807 094 011	MEC6H5	2J	LT	6 UGKG			
PCPRB		1	6 071988	072888	1200	WA	8807 094 011	CLC6H5	2J	LT	6 UGKG			
PCPRB		1	6 071988	072888	1200	WA	8807 094 011	ETC6H5	2J	LT	6 UGKG			
PCPRB		1	6 071988	072888	1200	WA	8807 094 011	13DCLB	2J	LT	6 UGKG			
PCPRB		1	6 071988	072888	1200	WA	8807 094 011	12DCLB	2J	LT	6 UGKG			
PCPRB		1	6 071988	072888	1200	WA	8807 094 011	14DCLB	2J	LT	6 UGKG			
PCPRB		1	6 071988	072888	1200	WA	8807 094 011	CCL3F	2J	LT	6 UGKG			
PCPRB		1	6 071988	072888	1200	WA	8807 094 011	CCL2F2	2J	LT	11 UGKG			
PCPRB		1	6 071988	091588	1200	WA	8807 094 011	ALPHA6	9W		5 PCIG		4	
PCPRB		1	6 071988	091588	1200	WA	8807 094 011	BETA6	9W		8 PCIG		4	
PCPRB		1	6 071988	082488	1200	WA	8807 094 011	TOTRAD	9Y		3.8 PCIG		0.6	
PCPRB		1	6 071988	091188	1200	WA	8807 094 011	TRITIUM	9Y		2.7 PCIM		0.5	
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	MEC6D8	2J		104 PER			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	PBFB	2J		103 PER			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	12DCD4	2J		121 PER			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	CH3CL	2J	LT	10 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	CH3BR	2J	LT	10 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	C2H3CL	2J	LT	10 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	C2H5CL	2J	LT	10 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	CH2CL2	2J	B	21 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	11DCE	2J	LT	5 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	11DCE	2J	LT	5 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	T12DCE	2J	LT	5 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	CHCL3	2J		6 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	12DCE	2J	LT	5 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	111TCE	2J	LT	5 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	CCL4	2J	LT	5 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	BRDCLM	2J	LT	5 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	12DCLP	2J	LT	5 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	T13DCP	2J	LT	5 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	TRCLE	2J	LT	5 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	DBRCLM	2J	LT	5 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	112TCE	2J	LT	5 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	C6H6	2J	LT	5 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	13DCPC	2J	LT	5 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	2CLEVE	2J	LT	10 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	CHBR3	2J	LT	5 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	TCLEE	2J	LT	5 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	TCLEA	2J	LT	5 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	MEC6H5	2J	LT	5 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	CLC6H5	2J	LT	5 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	ETC6H5	2J	LT	5 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	13DCLB	2J	LT	5 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	12DCLB	2J	LT	5 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	14DCLB	2J	LT	5 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	CCL3F	2J	LT	5 UGL			
TRIPB	LA	NK	071988	072888	1200	WA	8807 094 012	CCL2F2	2J	LT	10 UGL			
PCPRB		1	7 071988	091588	1200	WA	8807 094 013	ALPHA6	9W		7 PCIG		4	
PCPRB		1	7 071988	091588	1200	WA	8807 094 013	BETA6	9W		5 PCIG		4	
PCPRB		1	7 071988	082488	1200	WA	8807 094 013	TOTRAD	9Y		3 PCIG		0.5	
PCPRB		1	7 071988	091188	1200	WA	8807 094 013	TRITIUM	9Y		3.8 PCIM		0.5	
PCPRB		1	8 072088	091588	1200	WA	8807 094 014	ALPHA6	9W		8 PCIG		4	
PCPRB		1	8 072088	091588	1200	WA	8807 094 014	BETA6	9W		5 PCIG		4	
PCPRB		1	8 072088	082488	1200	WA	8807 094 014	TOTRAD	9Y		2.1 PCIG		0.4	
PCPRB		1	8 072088	091188	1200	WA	8807 094 014	TRITIUM	9Y		3 PCIM		0.5	
PCPRB		1	9 072088	091588	1200	WA	8807 094 015	ALPHA6	9W		6 PCIG		4	
PCPRB		1	9 072088	091588	1200	WA	8807 094 015	BETA6	9W		7 PCIG		4	
PCPRB		1	9 072088	082488	1200	WA	8807 094 015	TOTRAD	9Y		1.9 PCIG		0.4	
PCPRB		1	9 072088	091188	1200	WA	8807 094 015	TRITIUM	9Y		3.5 PCIM		0.5	
NBLK				080588	1200	WA	88WD851 MB1	CTCDD	X9		52 PER			
NBLK				080588	1200	WA	88WD851 MB1	COCDD	X9		62 PER			
NBLK				080588	1200	WA	88WD851 MB1	TCDD	X9	LT	0.32 NSG			
NBLK				080588	1200	WA	88WD851 MB1	PDBPD	X9	LT	0.32 NSG			
NBLK				080588	1200	WA	88WD851 MB1	PDBDF	X9	LT	0.31 NSG			
SBLK				080588	1200	WA	88WD851 MB1	CTCDD	X9		68 PER			
SBLK				080588	1200	WA	88WD851 MB1	COCDD	X9		66 PER			
SBLK				080588	1200	WA	88WD851 MB1	TCDD	X9		84 PER			

SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method #	Modifier	Result	Units	??
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	MEC6D8	X9		172	PER	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	PBFB	X9		65	PER	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	12DCD4	X9		120	PER	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	CH3CL	X9	LT	15	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	CH3BR	X9	LT	15	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	C2H3CL	X9	LT	15	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	C2H5CL	X9	LT	15	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	CH2CL2	X9	B	38	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	ACET	X9	B	34	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	CS2	X9	LT	8	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	11DCE	X9	LT	8	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	11DCL	X9	LT	8	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	12DCL	X9	LT	8	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	CHCL3	X9	LT	8	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	12DCL	X9	LT	8	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	MEK	X9	LT	15	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	111TCE	X9	LT	8	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	CCL4	X9	LT	8	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	VINYLA	X9	LT	15	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	BRDCLM	X9	LT	8	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	12DCLP	X9	LT	8	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	T13DCP	X9	LT	8	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	TRCLE	X9	LT	8	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	DBRCLM	X9	LT	8	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	112TCE	X9	LT	8	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	C6H6	X9	LT	8	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	13DCPC	X9	LT	8	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	2CLEVE	X9	LT	15	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	CHBR3	X9	LT	8	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	4NE2PE	X9	LT	15	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	2HXONE	X9	LT	15	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	ACROLN	X9	LT	15	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	ACRYLO	X9	LT	15	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	CCL3F	X9	LT	8	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	TCLEE	X9	LT	8	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	TCLEA	X9	LT	8	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	MEC6H5	X9	LT	8	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	CLC6H5	X9	LT	8	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	ETC6H5	X9	LT	8	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	STYR	X9	LT	8	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	XYLEN	X9	LT	8	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	CCL2F2	X9	LT	15	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	ACETN	X9	LT	30	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	10DOME	X9	LT	15	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	MEACRY	X9	LT	30	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	DBM	X9	LT	15	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	ISDB	X9	LT	30	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	12DBE	X9	LT	30	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	2TCLEA	X9	LT	15	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	123CPR	X9	LT	15	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	DBCP	X9	LT	30	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	2CH13B	X9	LT	150	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	AYLCL	X9	LT	30	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	T14DCB	X9	LT	75	UGKG	
PCPRB	2	1	072088	072988	1200	WA	8807 098 002	PRONIT	X9	LT	150	UGKG	
PCPRB	2	1	072088	081188	1200	WA	8807 098 002	24D	X9	LT	290	UGKG	
PCPRB	2	1	072088	081188	1200	WA	8807 098 002	SILVEX	X9	LT	140	UGKG	
PCPRB	2	1	072088	081188	1200	WA	8807 098 002	24ST	X9	LT	140	UGKG	
PCPRB	2	1	072088	080888	1200	WA	8807 098 002	TEPP	X9	LT	48	UGKG	
PCPRB	2	1	072088	080888	1200	WA	8807 098 002	THN7	X9	LT	48	UGKG	
PCPRB	2	1	072088	080888	1200	WA	8807 098 002	PHORAT	X9	LT	10	UGKG	
PCPRB	2	1	072088	080888	1200	WA	8807 098 002	STPP	X9	LT	48	UGKG	
PCPRB	2	1	072088	080888	1200	WA	8807 098 002	DISFTN	X9	LT	10	UGKG	
PCPRB	2	1	072088	080888	1200	WA	8807 098 002	DINET	X9	LT	48	UGKG	
PCPRB	2	1	072088	080888	1200	WA	8807 098 002	PRTHNM	X9	LT	10	UGKG	
PCPRB	2	1	072088	080888	1200	WA	8807 098 002	PRTHN	X9	LT	10	UGKG	
PCPRB	2	1	072088	080888	1200	WA	8807 098 002	FAMP	X9	LT	96	UGKG	
PCPRB	2	1	072088	080888	1200	WA	8807 098 002	TEPP	X9	LT	48	UGKG	
PCPRB	2	1	072088	080888	1200	WA	8807 098 002	THN7	X9	LT	48	UGKG	
PCPRB	2	1	072088	080888	1200	WA	8807 098 002	PHORAT	X9	LT	10	UGKG	

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SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method #	Modifier	Result	Units	??
PCPRB	2	1	072088	080888	1200	WA	8807 098 002	STPP	X9	LT	48	UGKG	
PCPRB	2	1	072088	080888	1200	WA	8807 098 002	DISFTN	X9	LT	10	UGKG	
PCPRB	2	1	072088	080888	1200	WA	8807 098 002	DIMET	X9	LT	48	UGKG	
PCPRB	2	1	072088	080888	1200	WA	8807 098 002	PRTHNM	X9		128	PER	
PCPRB	2	1	072088	080888	1200	WA	8807 098 002	PRTHN	X9	LT	10	UGKG	
PCPRB	2	1	072088	080888	1200	WA	8807 098 002	FAMP	X9	LT	96	UGKG	
PCPRB	2	1	072088	080888	1200	WA	8807 098 002	DIAZ	X9		136	PER	
PCPRB	2	1	072088	080588	1200	WA	8807 098 002	CTCDD	X9		54	PER	
PCPRB	2	1	072088	080588	1200	WA	8807 098 002	COCDD	X9		24	PER	
PCPRB	2	1	072088	080588	1200	WA	8807 098 002	TCDD	X9	LT	0.29	NSG	
PCPRB	2	1	072088	080588	1200	WA	8807 098 002	PDBPD	X9	LT	0.29	NSG	
PCPRB	2	1	072088	080588	1200	WA	8807 098 002	PDBDF	X9	LT	1.1	NSG	
PCPRB	2	1	072088	080588	1200	WA	8807 098 002	CTCDD	X9		65	PER	
PCPRB	2	1	072088	080588	1200	WA	8807 098 002	COCDD	X9		38	PER	
PCPRB	2	1	072088	080588	1200	WA	8807 098 002	TCDD	X9		80	PER	
PCPRB	2	1	072088	080588	1200	WA	8807 098 002	PDBPD	X9	LT	0.09	NSG	
PCPRB	2	1	072088	080588	1200	WA	8807 098 002	PDBDF	X9	LT	0.16	NSG	
PCPRB	2	1	072088	090888	1200	WA	8807 098 002	ALPHAG	9W		14	PCIG	
PCPRB	2	1	072088	090888	1200	WA	8807 098 002	BETAG	9W		5	PCIG	
PCPRB	2	1	072088	082588	1200	WA	8807 098 002	TOTRAD	9Y		4.8	PCIG	
PCPRB	2	1	072088	091188	1200	WA	8807 098 002	TRITIU	9Y		3.4	PCIM	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	MEC6D8	2J		98	PER	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	PBFB	2J		102	PER	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	12DCD4	2J		110	PER	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	CH3CL	2J	LT	12	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	CH3BR	2J	LT	12	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	C2H3CL	2J	LT	12	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	C2H5CL	2J	LT	12	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	CH2CL2	2J	B	24	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	11DCE	2J	LT	6	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	11DCE	2J	LT	6	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	T12DCE	2J	LT	6	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	CHCL3	2J	LT	6	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	12DCE	2J	LT	6	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	111TCE	2J	LT	6	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	CCL4	2J	LT	6	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	BRDCLM	2J	LT	6	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	12DCLP	2J	LT	6	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	T13DCP	2J	LT	6	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	TRCLE	2J	LT	6	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	DBRCLM	2J	LT	6	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	112TCE	2J	LT	6	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	C6H6	2J	LT	6	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	2CLEVE	2J	LT	12	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	CHBR3	2J	LT	6	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	TCLEE	2J	LT	6	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	TCLEA	2J	LT	6	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	MEC6H5	2J	LT	6	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	CLC6H5	2J	LT	6	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	ETC6H5	2J	LT	6	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	13DCLB	2J	LT	6	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	12DCLB	2J	LT	6	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	14DCLB	2J	LT	6	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	CCL3F	2J	LT	6	UGKG	
PCPRB	2	2	072088	072988	1200	WA	8807 098 003	CCL2F2	2J	LT	12	UGKG	
PCPRB	2	2	072088	090888	1200	WA	8807 098 003	ALPHAG	9W		12	PCIG	
PCPRB	2	2	072088	090888	1200	WA	8807 098 003	BETAG	9W		12	PCIG	
PCPRB	2	2	072088	082588	1200	WA	8807 098 003	TOTRAD	9Y		6.9	PCIG	
PCPRB	2	2	072088	091188	1200	WA	8807 098 003	TRITIU	9Y		0.9	PCIM	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	MEC6D8	2J		94	PER	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	PBFB	2J		103	PER	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	12DCD4	2J		114	PER	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	CH3CL	2J	LT	12	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	CH3BR	2J	LT	12	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	C2H3CL	2J	LT	12	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	C2H5CL	2J	LT	12	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	CH2CL2	2J	B	31	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	11DCE	2J	LT	6	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	11DCE	2J	LT	6	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	T12DCE	2J	LT	6	UGKG	

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SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method	Modifier	Result	Units	??
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	CHCL3	2J	LT	6	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	12DCLE	2J	LT	6	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	111TCE	2J	LT	6	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	CCL4	2J	LT	6	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	BRDCLM	2J	LT	6	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	12DCLP	2J	LT	6	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	T13DCP	2J	LT	6	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	TRCLE	2J	LT	6	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	DBRCLM	2J	LT	6	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	112TCE	2J	LT	6	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	C6H6	2J	LT	6	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	2CLEVE	2J	LT	12	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	CHBR3	2J	LT	6	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	TELEE	2J	LT	6	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	TCLEA	2J	LT	6	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	NEC6H5	2J	LT	6	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	CLC6H5	2J	LT	6	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	ETC6H5	2J	LT	6	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	13DCLB	2J	LT	6	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	12DCLB	2J	LT	6	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	14DCLB	2J	LT	6	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	CCL3F	2J	LT	6	UGKG	
PCPRB	2	3	072088	072988	1200	WA	8807 098 004	CCL2F2	2J	LT	12	UGKG	
PCPRB	2	3	072088	090888	1200	WA	8807 098 004	ALPHA6	9W		9	PCIG	
PCPRB	2	3	072088	090888	1200	WA	8807 098 004	BETA6	9W		7	PCIG	
PCPRB	2	3	072088	082588	1200	WA	8807 098 004	TOTRAD	9Y		3.7	PCIG	
PCPRB	2	3	072088	091188	1200	WA	8807 098 004	TRITIU	9Y		1.4	PCIN	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	NEC6D8	2J		98	PER	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	PBF8	2J		112	PER	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	12DCD4	2J		120	PER	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	CH3CL	2J	LT	12	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	CH3BR	2J	LT	12	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	C2H3CL	2J	LT	12	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	C2H5CL	2J	LT	12	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	CH2CL2	2J	B	32	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	11DCE	2J	LT	6	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	11DCLE	2J	LT	6	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	T129CE	2J	LT	6	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	CHCL3	2J	LT	6	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	12DCLE	2J	LT	6	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	111TCE	2J	LT	6	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	CCL4	2J	LT	6	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	BRDCLM	2J	LT	6	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	12DCLP	2J	LT	6	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	T13DCP	2J	LT	6	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	TRCLE	2J	LT	6	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	DBRCLM	2J	LT	6	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	112TCE	2J	LT	6	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	C6H6	2J	LT	6	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	2CLEVE	2J	LT	12	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	CHBR3	2J	LT	6	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	TELEE	2J	LT	6	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	TCLEA	2J	LT	6	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	NEC6H5	2J	LT	6	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	CLC6H5	2J	LT	6	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	ETC6H5	2J	LT	6	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	13DCLB	2J	LT	6	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	12DCLB	2J	LT	6	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	14DCLB	2J	LT	6	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	CCL3F	2J	LT	6	UGKG	
PCPRB	2	4	072088	072988	1200	WA	8807 098 005	CCL2F2	2J	LT	12	UGKG	
PCPRB	2	4	072088	090888	1200	WA	8807 098 005	ALPHA6	9W		8	PCIG	
PCPRB	2	4	072088	091688	1200	WA	8807 098 005	BETA6	9W		5	PCIG	
PCPRB	2	4	072088	082588	1200	WA	8807 098 005	TOTRAD	9Y		3.4	PCIG	
PCPRB	2	4	072088	091188	1200	WA	8807 098 005	TRITIU	9Y		1.3	PCIN	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	NEC6D8	2J		98	PER	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	PBF8	2J		102	PER	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	12DCD4	2J		114	PER	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	CH3CL	2J	LT	11	UGKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	CH3BR	2J	LT	11	UGKG	

D8807098.WK1

SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method	Modifier	Result	Units	??
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	C2H3CL	2J	LT	11	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	C2H5CL	2J	LT	11	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	CH2CL2	2J	B	20	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	11DCE	2J	LT	6	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	11DCLE	2J	LT	6	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	T12DCE	2J	LT	6	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	CHCL3	2J	LT	6	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	12DCLE	2J	LT	6	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	111TCE	2J	LT	6	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	CCL4	2J	LT	6	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	BRDCLM	2J	LT	6	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	12DCLP	2J	LT	6	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	T13DCP	2J	LT	6	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	TRCLE	2J	LT	6	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	DBRCLM	2J	LT	6	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	112TCE	2J	LT	6	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	C6H6	2J	LT	6	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	2CLEVE	2J	LT	11	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	CHBR3	2J	LT	6	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	TCLEE	2J	LT	6	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	TCLEA	2J	LT	6	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	MEC6H5	2J	LT	6	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	CLC6H5	2J	LT	6	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	ETC6H5	2J	LT	6	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	13DCLB	2J	LT	6	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	12DCLB	2J	LT	6	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	14DCLB	2J	LT	6	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	CCL3F	2J	LT	6	USKG	
PCPRB	2	5	072088	072988	1200	WA	8807 098 006	CCL2F2	2J	LT	11	USKG	
PCPRB	2	5	072088	090888	1200	WA	8807 098 006	ALPHA6	9W		5	PCIG	4
PCPRB	2	5	072088	091688	1200	WA	8807 098 006	BETA6	9W		4	PCIG	2
PCPRB	2	5	072088	082588	1200	WA	8807 098 006	TOTRAD	9Y		4.1	PCIG	0.6
PCPRB	2	5	072088	091188	1200	WA	8807 098 006	TRITIU	9Y		1.2	PCIM	0.3
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	MEC6DB	2J		96	PER	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	PBF8	2J		112	PER	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	12DCD4	2J		102	PER	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	CH3CL	2J	LT	12	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	CH3BR	2J	LT	12	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	C2H3CL	2J	LT	12	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	C2H5CL	2J	LT	12	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	CH2CL2	2J	B	25	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	11DCE	2J	LT	6	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	11DCLE	2J	LT	6	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	T12DCE	2J	LT	6	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	CHCL3	2J	LT	6	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	12DCLE	2J	LT	6	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	111TCE	2J	LT	6	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	CCL4	2J	LT	6	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	BRDCLM	2J	LT	6	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	12DCLP	2J	LT	6	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	T13DCP	2J	LT	6	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	TRCLE	2J	LT	6	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	DBRCLM	2J	LT	6	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	112TCE	2J	LT	6	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	C6H6	2J	LT	6	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	2CLEVE	2J	LT	12	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	CHBR3	2J	LT	6	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	TCLEE	2J	LT	6	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	TCLEA	2J	LT	6	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	MEC6H5	2J	LT	6	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	CLC6H5	2J	LT	6	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	ETC6H5	2J	LT	6	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	13DCLB	2J	LT	6	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	12DCLB	2J	LT	6	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	14DCLB	2J	LT	6	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	CCL3F	2J	LT	6	USKG	
PCPRB	2	6	072088	072988	1200	WA	8807 098 007	CCL2F2	2J	LT	12	USKG	
PCPRB	2	6	072088	090888	1200	WA	8807 098 007	ALPHA6	9W		5	PCIG	4
PCPRB	2	6	072088	091688	1200	WA	8807 098 007	BETA6	9W		6	PCIG	2
PCPRB	2	6	072088	082588	1200	WA	8807 098 007	TOTRAD	9Y		3.3	PCIG	0.6

08807098.WK1

SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method #	Modifier	Result	Units	??
PCPRB		2	6 072088	091188	1200	WA	8807 098 007	TRITIUM	9Y		3.7	PCIM	0.7
PCPRB		2	7 072088	090888	1200	WA	8807 098 008	ALPHA6	9W		4	PCIG	3
PCPRB		2	7 072088	090888	1200	WA	8807 098 008	BETAG	9W		5	PCIG	3
PCPRB		2	7 072088	082588	1200	WA	8807 098 008	TOTRAD	9Y		2.3	PCIG	0.5
PCPRB		2	7 072088	091188	1200	WA	8807 098 008	TRITIUM	9Y		1.3	PCIM	0.4
PCPRB		2	8 072088	092188	1200	WA	8807 098 009	ALPHA6	9W		5	PCIG	2
PCPRB		2	8 072088	092188	1200	WA	8807 098 009	BETAG	9W		3	PCIG	2
PCPRB		2	8 072088	082588	1200	WA	8807 098 009	TOTRAD	9Y		3.3	PCIG	0.5
PCPRB		2	8 072088	091188	1200	WA	8807 098 009	TRITIUM	9Y		1.6	PCIM	0.4
PCPRB		2	9 072088	090888	1200	WA	8807 098 010	ALPHA6	9W		10	PCIG	5
PCPRB		2	9 072088	091688	1200	WA	8807 098 010	BETAG	9W		8	PCIG	2
PCPRB		2	9 072088	082588	1200	WA	8807 098 010	TOTRAD	9Y		4.7	PCIG	0.6
PCPRB		2	9 072088	091188	1200	WA	8807 098 010	TRITIUM	9Y		2.5	PCIM	0.5
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	MEC6D8	2J		102	PER	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	PBF8	2J		102	PER	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	12DCD4	2J		112	PER	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	CH3CL	2J	LT	10	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	CH3BR	2J	LT	10	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	C2H3CL	2J	LT	10	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	C2H5CL	2J	LT	10	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	CH2CL2	2J	B	21	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	11DCE	2J	LT	5	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	11DCLE	2J	LT	5	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	112DCE	2J	LT	5	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	CHCL3	2J	LT	5	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	12DCLE	2J	LT	5	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	111TCE	2J	LT	5	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	CCL4	2J	LT	5	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	BRDCLM	2J	LT	5	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	12DCLP	2J	LT	5	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	T13DCP	2J	LT	5	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	TRCLE	2J	LT	5	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	DBRCLM	2J	LT	5	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	112TCE	2J	LT	5	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	C6H6	2J	LT	5	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	2CLEVE	2J	LT	10	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	CHBR3	2J	LT	5	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	TCLEE	2J	LT	5	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	TCLEA	2J	LT	5	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	MEC6H5	2J	LT	5	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	CLC6H5	2J	LT	5	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	ETC6H5	2J	LT	5	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	13DCLB	2J	LT	5	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	12DCLB	2J	LT	5	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	14DCLB	2J	LT	5	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	CCL3F	2J	LT	5	UGL	
TRIPB	LA	NK	072088	072988	1200	WA	8807 098 011	CCL2F2	2J	LT	10	UGL	
PCPRB		3	1 072188	072988	1200	WA	8807 098 012	MEC6D8	X9		202	PER	
PCPRB		3	1 072188	072988	1200	WA	8807 098 012	PBF8	X9		60	PER	
PCPRB		3	1 072188	072988	1200	WA	8807 098 012	12DCD4	X9		120	PER	
PCPRB		3	1 072188	072988	1200	WA	8807 098 012	CH3CL	X9	LT	16	UGKG	
PCPRB		3	1 072188	072988	1200	WA	8807 098 012	CH3BR	X9	LT	16	UGKG	
PCPRB		3	1 072188	072988	1200	WA	8807 098 012	C2H3CL	X9	LT	16	UGKG	
PCPRB		3	1 072188	072988	1200	WA	8807 098 012	C2H5CL	X9	LT	16	UGKG	
PCPRB		3	1 072188	072988	1200	WA	8807 098 012	CH2CL2	X9	B	46	UGKG	
PCPRB		3	1 072188	072988	1200	WA	8807 098 012	ACET	X9	B	41	UGKG	
PCPRB		3	1 072188	072988	1200	WA	8807 098 012	CS2	X9	LT	8	UGKG	
PCPRB		3	1 072188	072988	1200	WA	8807 098 012	11DCE	X9	LT	8	UGKG	
PCPRB		3	1 072188	072988	1200	WA	8807 098 012	11DCLE	X9	LT	8	UGKG	
PCPRB		3	1 072188	072988	1200	WA	8807 098 012	12DCLE	X9	LT	8	UGKG	
PCPRB		3	1 072188	072988	1200	WA	8807 098 012	CHCL3	X9	LT	8	UGKG	
PCPRB		3	1 072188	072988	1200	WA	8807 098 012	12DCLE	X9	LT	8	UGKG	
PCPRB		3	1 072188	072988	1200	WA	8807 098 012	MEK	X9	LT	16	UGKG	
PCPRB		3	1 072188	072988	1200	WA	8807 098 012	111TCE	X9	LT	8	UGKG	
PCPRB		3	1 072188	072988	1200	WA	8807 098 012	CCL4	X9	LT	8	UGKG	
PCPRB		3	1 072188	072988	1200	WA	8807 098 012	VINYL	X9	LT	16	UGKG	
PCPRB		3	1 072188	072988	1200	WA	8807 098 012	BRDCLM	X9	LT	8	UGKG	
PCPRB		3	1 072188	072988	1200	WA	8807 098 012	12DCLP	X9	LT	8	UGKG	
PCPRB		3	1 072188	072988	1200	WA	8807 098 012	T13DCP	X9	LT	8	UGKG	
PCPRB		3	1 072188	072988	1200	WA	8807 098 012	TRCLE	X9	LT	8	UGKG	

SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method	Modifier	Result	Units	??
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	DBRCLM	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	112TCE	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	C6H6	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	13DCPC	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	2CLEVE	X9	LT	16	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	CHBR3	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	4ME2PE	X9	LT	16	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	2HXONE	X9	LT	16	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	ACROLN	X9	LT	16	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	ACRYLO	X9	LT	16	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	CCL3F	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	TCLEE	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	TCLEA	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	MEC6H5	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	CLC6H5	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	ETC6H5	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	STYR	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	TYLEN	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	CCL2F2	X9	LT	16	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	ACETN	X9	LT	32	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	IOBOME	X9	LT	16	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	NEACRY	X9	LT	32	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	DBM	X9	LT	16	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	ISOB	X9	LT	32	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	12DBE	X9	LT	32	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	2TCLEA	X9	LT	16	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	123CPR	X9	LT	16	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	DBCP	X9	LT	32	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	2CH13B	X9	LT	160	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	AYLCL	X9	LT	32	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	T14DCB	X9	LT	80	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	PROMIT	X9	LT	160	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	MEC6D8	X9		212	PER	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	PBF8	X9		67	PER	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	12DCD4	X9		114	PER	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	CH3CL	X9	LT	16	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	CH3BR	X9	LT	16	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	C2H3CL	X9	LT	16	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	C2H5CL	X9	LT	16	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	CH2CL2	X9	B	77	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	ACET	X9	LT	16	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	CS2	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	11DCE	X9		74	PER	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	11DCL	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	12DCL	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	CHCL3	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	12DCL	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	MEK	X9	LT	16	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	111TCE	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	CCL4	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	VINYLA	X9	LT	16	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	BRDCLM	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	12DCLP	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	T13DCP	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	TRCLE	X9		45	PER	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	DBRCLM	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	112TCE	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	C6H6	X9		150	PER	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	13DCPC	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	2CLEVE	X9	LT	16	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	CHBR3	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	4ME2PE	X9	LT	16	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	2HXONE	X9	LT	16	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	ACROLN	X9	LT	16	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	ACRYLO	X9	LT	16	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	CCL3F	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	TCLEE	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	TCLEA	X9	LT	8	UGK6	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	MEC6H5	X9		191	PER	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	CLC6H5	X9		82	PER	

D8807098.WK1

SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method #	Modifier	Result	Units	??
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	ETC6H5	X9	LT	8	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	STYR	X9	LT	8	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	XYLEN	X9	LT	8	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	CCL2F2	X9	LT	16	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	ACETN	X9	LT	32	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	IDODME	X9	LT	16	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	MEACRY	X9	LT	32	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	DBM	X9	LT	16	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	ISOB	X9	LT	32	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	12DBE	X9	LT	32	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	2TCLEA	X9	LT	16	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	123CPR	X9	LT	16	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	DBCP	X9	LT	32	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	2CH13B	X9	LT	160	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	AYLCL	X9	LT	32	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	T14DCB	X9	LT	80	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	PRONIT	X9	LT	160	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	MEC6D8	X9		126	PER	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	P8FB	X9		76	PER	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	12DCD4	X9		126	PER	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	CH3CL	X9	LT	16	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	CH3BR	X9	LT	16	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	C2H3CL	X9	LT	16	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	C2H5CL	X9	LT	16	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	CH2CL2	X9	B	33	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	ACET	X9	B	63	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	CS2	X9	LT	8	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	11DCE	X9		66	PER	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	11DCLE	X9	LT	8	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	12DCLE	X9	LT	8	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	CHCL3	X9	LT	8	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	12DCLE	X9	LT	8	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	MEK	X9		31	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	111TCE	X9	LT	8	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	CCL4	X9	LT	8	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	VINYLA	X9	LT	16	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	BRDCLM	X9	LT	8	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	12DCLP	X9	LT	8	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	T13DCP	X9	LT	8	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	TRCLE	X9		68	PER	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	DBRCLM	X9	LT	8	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	112TCE	X9	LT	8	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	C6H6	X9		108	PER	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	13DCPC	X9	LT	8	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	2CLEVE	X9	LT	16	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	CHBR3	X9	LT	8	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	4ME2PE	X9	LT	16	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	2HXONE	X9	LT	16	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	ACROLN	X9	LT	16	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	ACRYLO	X9	LT	16	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	CCL3F	X9	LT	8	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	TCLEE	X9	LT	8	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	TCLEA	X9	LT	8	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	MEC6H5	X9		121	PER	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	CLC6H5	X9		103	PER	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	ETC6H5	X9	LT	8	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	STYR	X9	LT	8	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	XYLEN	X9	LT	8	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	CCL2F2	X9	LT	16	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	ACETN	X9	LT	32	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	IDODME	X9	LT	16	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	MEACRY	X9	LT	32	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	DBM	X9	LT	16	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	ISOB	X9	LT	32	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	12DBE	X9	LT	32	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	2TCLEA	X9	LT	16	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	123CPR	X9	LT	16	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	DBCP	X9	LT	32	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	2CH13B	X9	LT	160	UGKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	AYLCL	X9	LT	32	UGKG	

SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method #	Modifier	Result	Units	??
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	T14DCB	X9	LT	80	USKG	
PCPRB	3	1	072188	072988	1200	WA	8807 098 012	PRONIT	X9	LT	160	USKG	
PCPRB	3	1	072188	081188	1200	WA	8807 098 012	24D	X9	LT	130	USKG	
PCPRB	3	1	072188	081188	1200	WA	8807 098 012	SILVEX	X9	LT	64	USKG	
PCPRB	3	1	072188	081188	1200	WA	8807 098 012	245T	X9	LT	64	USKG	
PCPRB	3	1	072188	081188	1200	WA	8807 098 012	24D	X9		50	PER	
PCPRB	3	1	072188	081188	1200	WA	8807 098 012	SILVEX	X9		60	PER	
PCPRB	3	1	072188	081188	1200	WA	8807 098 012	245T	X9		45	PER	
PCPRB	3	1	072188	080888	1200	WA	8807 098 012	TEPP	X9	LT	42	USKG	
PCPRB	3	1	072188	080888	1200	WA	8807 098 012	THMZ	X9	LT	42	USKG	
PCPRB	3	1	072188	080888	1200	WA	8807 098 012	PHORAT	X9	LT	8.9	USKG	
PCPRB	3	1	072188	080888	1200	WA	8807 098 012	STPP	X9	LT	42	USKG	
PCPRB	3	1	072188	080888	1200	WA	8807 098 012	DISFTN	X9	LT	8.9	USKG	
PCPRB	3	1	072188	080888	1200	WA	8807 098 012	DINET	X9	LT	42	USKG	
PCPRB	3	1	072188	080888	1200	WA	8807 098 012	PRTHNM	X9	LT	8.9	USKG	
PCPRB	3	1	072188	080888	1200	WA	8807 098 012	PRTHN	X9	LT	8.9	USKG	
PCPRB	3	1	072188	080888	1200	WA	8807 098 012	FAMP	X9	LT	85	USKG	
PCPRB	3	1	072188	080888	1200	WA	8807 098 012	TEPP	X9	LT	42	USKG	
PCPRB	3	1	072188	080888	1200	WA	8807 098 012	THMZ	X9	LT	42	USKG	
PCPRB	3	1	072188	080888	1200	WA	8807 098 012	PHORAT	X9	LT	8.9	USKG	
PCPRB	3	1	072188	080888	1200	WA	8807 098 012	STPP	X9	LT	42	USKG	
PCPRB	3	1	072188	080888	1200	WA	8807 098 012	DISFTN	X9	LT	8.9	USKG	
PCPRB	3	1	072188	080888	1200	WA	8807 098 012	DINET	X9	LT	42	USKG	
PCPRB	3	1	072188	080888	1200	WA	8807 098 012	PRTHNM	X9	LT	8.9	USKG	
PCPRB	3	1	072188	080888	1200	WA	8807 098 012	PRTHN	X9	LT	8.9	USKG	
PCPRB	3	1	072188	080888	1200	WA	8807 098 012	FAMP	X9	LT	85	USKG	
PCPRB	3	1	072188	080588	1200	WA	8807 098 012	CTCDD	X9		64	PER	
PCPRB	3	1	072188	080588	1200	WA	8807 098 012	COCDD	X9		30	PER	
PCPRB	3	1	072188	080588	1200	WA	8807 098 012	TCDD	X9	LT	0.37	N6G	
PCPRB	3	1	072188	080588	1200	WA	8807 098 012	PDBPD	X9	LT	0.37	N6G	
PCPRB	3	1	072188	080588	1200	WA	8807 098 012	PDBDF	X9	LT	0.41	N6G	
PCPRB	3	1	072188	080588	1200	WA	8807 098 012	CTCDD	X9		72	PER	
PCPRB	3	1	072188	080588	1200	WA	8807 098 012	COCDD	X9		37	PER	
PCPRB	3	1	072188	080588	1200	WA	8807 098 012	TCDD	X9	LT	0.19	N6G	
PCPRB	3	1	072188	080588	1200	WA	8807 098 012	PDBPD	X9	LT	0.36	N6G	
PCPRB	3	1	072188	080588	1200	WA	8807 098 012	PDBDF	X9	LT	0.27	N6G	
PCPRB	3	1	072188	090888	1200	WA	8807 098 012	ALPHAG	9W		12	PCIG	
PCPRB	3	1	072188	090888	1200	WA	8807 098 012	BETAG	9W		11	PCIG	
PCPRB	3	1	072188	082588	1200	WA	8807 098 012	TOTRAD	9Y		7.6	PCIG	
PCPRB	3	1	072188	091188	1200	WA	8807 098 012	TRITIU	9Y		2.5	PCIM	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	NEC6D8	2J		98	PER	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	PBFB	2J		104	PER	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	12DCD4	2J		116	PER	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	CH3CL	2J	LT	12	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	CH3BR	2J	LT	12	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	C2H3CL	2J	LT	12	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	C2H5CL	2J	LT	12	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	CH2CL2	2J	B	25	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	11DCE	2J	LT	6	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	11DCE	2J	LT	6	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	T12DCE	2J	LT	6	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	CHCL3	2J	LT	6	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	12DCE	2J	LT	6	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	111TCE	2J	LT	6	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	CCL4	2J	LT	6	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	BRDCLM	2J	LT	6	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	12DCLP	2J	LT	6	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	T13DCP	2J	LT	6	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	TRCLE	2J	LT	6	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	DBRCLM	2J	LT	6	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	112TCE	2J	LT	6	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	C6H6	2J	LT	6	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	2CLEVE	2J	LT	12	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	CHBR3	2J	LT	6	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	TCLEE	2J	LT	6	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	TCLEA	2J	LT	6	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	MEC6H5	2J	LT	6	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	CLC6H5	2J	LT	6	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	ETC6H5	2J	LT	6	USKG	
PCPRB	3	2	072188	072988	1200	WA	8807 098 013	13DCLB	2J	LT	6	USKG	

[illegible]

JAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method #	Modifier	Result	Units	??	Di
PCPRB	3	4	072188	072988	1200	WA	8807 098 015	TCLEE	2J	LT	6	UGKG		
PCPRB	3	4	072188	072988	1200	WA	8807 098 015	TCLEA	2J	LT	6	UGKG		
PCPRB	3	4	072188	072988	1200	WA	8807 098 015	MEC6H5	2J	LT	6	UGKG		
PCPRB	3	4	072188	072988	1200	WA	8807 098 015	CLC6H5	2J	LT	6	UGKG		
PCPRB	3	4	072188	072988	1200	WA	8807 098 015	ETC6H5	2J	LT	6	UGKG		
PCPRB	3	4	072188	072988	1200	WA	8807 098 015	13DCLB	2J	LT	6	UGKG		
PCPRB	3	4	072188	072988	1200	WA	8807 098 015	12DCLB	2J	LT	6	UGKG		
PCPRB	3	4	072188	072988	1200	WA	8807 098 015	14DCLB	2J	LT	6	UGKG		
PCPRB	3	4	072188	072988	1200	WA	8807 098 015	CCL3F	2J	LT	6	UGKG		
PCPRB	3	4	072188	072988	1200	WA	8807 098 015	CCL2F2	2J	LT	13	UGKG		
PCPRB	3	4	072188	090888	1200	WA	8807 098 015	ALPHA6	9W		12	PCIG	5	
PCPRB	3	4	072188	090888	1200	WA	8807 098 015	BETAS	9W		6.5	PCIG	0.7	
PCPRB	3	4	072188	091188	1200	WA	8807 098 015	TRITIU	9Y		1.5	PCIM	0.3	
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	MEC6DB	2J		104	PER		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	PBFB	2J		108	PER		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	12DCD4	2J		120	PER		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	CH3CL	2J	LT	12	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	CH3BR	2J	LT	12	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	C2H3CL	2J	LT	12	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	C2H5CL	2J	LT	12	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	CH2CL2	2J	B	16	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	11DCE	2J	LT	6	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	11DCL	2J	LT	6	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	112DCE	2J	LT	6	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	CHCL3	2J	LT	6	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	12DCL	2J	LT	6	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	111TCE	2J	LT	6	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	CCL4	2J	LT	6	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	BRDCLM	2J	LT	6	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	12DCLP	2J	LT	6	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	T13DCP	2J	LT	6	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	TRCLE	2J	LT	6	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	DBRCLM	2J	LT	6	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	112TCE	2J	LT	6	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	C6H6	2J	LT	6	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	2CLEVE	2J	LT	12	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	CHBR3	2J	LT	6	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	TCLEE	2J	LT	6	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	TCLEA	2J	LT	6	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	MEC6H5	2J	LT	6	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	CLC6H5	2J	LT	6	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	ETC6H5	2J	LT	6	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	13DCLB	2J	LT	6	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	12DCLB	2J	LT	6	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	14DCLB	2J	LT	6	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	CCL3F	2J	LT	6	UGKG		
PCPRB	3	5	072188	072988	1200	WA	8807 098 016	CCL2F2	2J	LT	12	UGKG		
PCPRB	3	5	072188	090888	1200	WA	8807 098 016	ALPHA6	9W		16	PCIG	6	
PCPRB	3	5	072188	090888	1200	WA	8807 098 016	BETAS	9W		5	PCIG	4	
PCPRB	3	5	072188	082588	1200	WA	8807 098 016	TOTRAD	9Y		5.9	PCIG	0.7	
PCPRB	3	5	072188	091188	1200	WA	8807 098 016	TRITIU	9Y		1.4	PCIM	0.3	
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	MEC6DB	2J		98	PER		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	PBFB	2J		100	PER		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	12DCD4	2J		116	PER		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	CH3CL	2J	LT	12	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	CH3BR	2J	LT	12	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	C2H3CL	2J	LT	12	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	C2H5CL	2J	LT	12	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	CH2CL2	2J	B	34	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	11DCE	2J	LT	6	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	11DCL	2J	LT	6	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	112DCE	2J	LT	6	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	CHCL3	2J	LT	6	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	12DCL	2J	LT	6	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	111TCE	2J	LT	6	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	CCL4	2J	LT	6	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	BRDCLM	2J	LT	6	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	12DCLP	2J	LT	6	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	T13DCP	2J	LT	6	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	TRCLE	2J	LT	6	UGKG		

807098.WK1

SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method #	Modifier	Result	Units	??	Dil
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	DBRCLM	2J	LT	6	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	112TCE	2J	LT	6	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	C6H6	2J	LT	6	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	2CLEVE	2J	LT	12	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	CHBR3	2J	LT	6	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	TCLEE	2J	LT	6	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	TCLEA	2J	LT	6	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	MEC6H5	2J	LT	6	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	CLC6H5	2J	LT	6	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	ETC6H5	2J	LT	6	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	13DCLB	2J	LT	6	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	12DCLB	2J	LT	6	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	14DCLB	2J	LT	6	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	CCL3F	2J	LT	6	UGKG		
PCPRB	3	6	072188	072988	1200	WA	8807 098 017	CCL2F2	2J	LT	12	UGKG		
PCPRB	3	6	072188	090888	1200	WA	8807 098 017	ALPHAS	9W		14	PCIG		6
PCPRB	3	6	072188	091688	1200	WA	8807 098 017	BETAG	9W		6	PCIG		2
PCPRB	3	6	072188	082588	1200	WA	8807 098 017	TOTRAD	9Y		4.6	PCIG		0.6
PCPRB	3	6	072188	091188	1200	WA	8807 098 017	TRITIU	9Y		1.6	PCIM		0.3
PCPRB	3	7	072188	090888	1200	WA	8807 098 018	ALPHAS	9W		13	PCIG		5
PCPRB	3	7	072188	090888	1200	WA	8807 098 018	BETAG	9W		12	PCIG		4
PCPRB	3	7	072188	082588	1200	WA	8807 098 018	TOTRAD	9Y		12	PCIG		1
PCPRB	3	7	072188	091188	1200	WA	8807 098 018	TRITIU	9Y		1.6	PCIM		0.3
PCPRB	3	8	072188	091588	1200	WA	8807 098 019	ALPHAS	9W		6	PCIG		4
PCPRB	3	8	072188	091588	1200	WA	8807 098 019	BETAG	9W		8	PCIG		4
PCPRB	3	8	072188	082588	1200	WA	8807 098 019	TOTRAD	9Y		3.3	PCIG		0.5
CPRB	3	8	072188	091188	1200	WA	8807 098 019	TRITIU	9Y		3.2	PCIM		0.6
PCPRB	3	9	072188	091588	1200	WA	8807 098 020	ALPHAS	9W		5	PCIG		4
PCPRB	3	9	072188	091688	1200	WA	8807 098 020	BETAG	9W		6	PCIG		7
PCPRB	3	9	072188	082588	1200	WA	8807 098 020	TOTRAD	9Y		2.7	PCIG		0.5
PCPRB	3	9	072188	091188	1200	WA	8807 098 020	TRITIU	9Y		3	PCIM		0.5
MBLK				080588	1200	WA	88WD851 MB1	CTCDD	X9		52	PER		
MBLK				080588	1200	WA	88WD851 MB1	COCDD	X9		62	PER		
MBLK				080588	1200	WA	88WD851 MB1	TCDD	X9	LT	0.32	NGG		
MBLK				080588	1200	WA	88WD851 MB1	PDBPD	X9	LT	0.32	NGG		
MBLK				080588	1200	WA	88WD851 MB1	PDBDF	X9	LT	0.31	NGG		
SBLK				080588	1200	WA	88WD851 MB1	CTCDD	X9		68	PER		
SBLK				080588	1200	WA	88WD851 MB1	COCDD	X9		66	PER		
SBLK				080588	1200	WA	88WD851 MB1	TCDD	X9		84	PER		
SBLK				080588	1200	WA	88WD851 MB1	PDBPD	X9	LT	0.2	NGG		
SBLK				080588	1200	WA	88WD851 MB1	PDBDF	X9	LT	0.21	NGG		
MBLK				081188	1200	WA	88WH012 MB1	24D	X9	LT	100	UGKG		
MBLK				081188	1200	WA	88WH012 MB1	SILVEX	X9	LT	50	UGKG		
MBLK				081188	1200	WA	88WH012 MB1	245T	X9	LT	50	UGKG		
SBLK				081188	1200	WA	88WH012 MB1	24D	X9		59	PER		
SBLK				081188	1200	WA	88WH012 MB1	SILVEX	X9		109	PER		
SBLK				081188	1200	WA	88WH012 MB1	245T	X9		55	PER		
MBLK				080888	1200	WA	88WOP004 MB1	TEPP	X9	LT	33	UGKG		
MBLK				080888	1200	WA	88WOP004 MB1	THNZ	X9	LT	33	UGKG		
MBLK				080888	1200	WA	88WOP004 MB1	PHORAT	X9	LT	7	UGKG		
MBLK				080888	1200	WA	88WOP004 MB1	STPP	X9	LT	33	UGKG		
MBLK				080888	1200	WA	88WOP004 MB1	DISFTN	X9	LT	7	UGKG		
MBLK				080888	1200	WA	88WOP004 MB1	DINET	X9	LT	33	UGKG		
MBLK				080888	1200	WA	88WOP004 MB1	PRTHNM	X9	LT	7	UGKG		
MBLK				080888	1200	WA	88WOP004 MB1	PRTHN	X9	LT	7	UGKG		
SBLK				080888	1200	WA	88WOP004 MB1	FAMP	X9	LT	67	UGKG		
SBLK				080888	1200	WA	88WOP004 MB1	TEPP	X9	LT	33	UGKG		
SBLK				080888	1200	WA	88WOP004 MB1	THNZ	X9	LT	33	UGKG		
SBLK				080888	1200	WA	88WOP004 MB1	PHORAT	X9	LT	7	UGKG		
SBLK				080888	1200	WA	88WOP004 MB1	STPP	X9	LT	33	UGKG		
SBLK				080888	1200	WA	88WOP004 MB1	DISFTN	X9	LT	7	UGKG		
SBLK				080888	1200	WA	88WOP004 MB1	DINET	X9	LT	33	UGKG		
SBLK				080888	1200	WA	88WOP004 MB1	PRTHNM	X9		103	PER		
SBLK				080888	1200	WA	88WOP004 MB1	PRTHN	X9	LT	7	UGKG		
SBLK				080888	1200	WA	88WOP004 MB1	FAMP	X9	LT	67	UGKG		
MBLK				080888	1200	WA	88WV0001 MB1	DIAZ	X9		122	PER		
MBLK				072988	1200	WA	88WV0001 MB1	MEC6D8	X9		102	PER		
MBLK				072988	1200	WA	88WV0001 MB1	PBFB	X9		104	PER		
MBLK				072988	1200	WA	88WV0001 MB1	12DCD4	X9		118	PER		
MBLK				072988	1200	WA	88WV0001 MB1	CH3CL	X9	LT	10	UGKG		

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SAVANNAH RIVER PLANT
SAMPLE DATA FROM WESTON ANALYTICAL

Facility	Core	Sample#	Sample Date	Analysis Date	Analysis Time	Lab	Lab I.D.	Test	Method	Modifier	Result	Units	??
MBLK			072988	1200	WA	88WV0001	MB1	CH3BR	X9	LT	10	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	C2H3CL	X9	LT	10	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	C2H5CL	X9	LT	10	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	CH2CL2	X9		23	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	ACET	X9		22	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	CS2	X9	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	11DCE	X9	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	11DCL	X9	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	12DCL	X9	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	CHCL3	X9	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	12DCL	X9	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	MEK	X9	LT	10	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	111TCE	X9	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	CCL4	X9	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	VINYLA	X9	LT	10	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	BRDCLM	X9	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	12DCLP	X9	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	T13DCP	X9	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	TRCLE	X9	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	DBRCLM	X9	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	112TCE	X9	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	C6H6	X9	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	13DCPC	X9	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	2CLEVE	X9	LT	10	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	CHBR3	X9	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	4NE2PE	X9	LT	10	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	2HXONE	X9	LT	10	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	ACROLN	X9	LT	10	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	ACRYLO	X9	LT	10	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	CCL3F	X9	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	TCLEE	X9	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	TCLEA	X9	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	MEC6H5	X9	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	CLC6H5	X9	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	ETC6H5	X9	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	STYR	X9	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	XYLEN	X9	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	CCL2F2	X9	LT	10	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	ACETN	X9	LT	20	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	IODOME	X9	LT	10	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	MEACRY	X9	LT	20	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	DBM	X9	LT	10	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	ISOB	X9	LT	20	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	12DBE	X9	LT	20	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	27CLEA	X9	LT	10	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	123CPR	X9	LT	10	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	DBCP	X9	LT	20	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	2CH13B	X9	LT	100	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	AYLCL	X9	LT	20	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	T14DCB	X9	LT	50	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	PRONIT	X9	LT	100	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	MEC6DB	2J		102	PER	
MBLK			072988	1200	WA	88WV0001	MB1	PBFB	2J		104	PER	
MBLK			072988	1200	WA	88WV0001	MB1	12DCD4	2J		118	PER	
MBLK			072988	1200	WA	88WV0001	MB1	CH3CL	2J	LT	10	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	CH3BR	2J	LT	10	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	C2H3CL	2J	LT	10	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	C2H5CL	2J	LT	10	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	CH2CL2	2J		23	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	11DCE	2J	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	11DCL	2J	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	T12DCE	2J	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	CHCL3	2J	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	12DCL	2J	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	111TCE	2J	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	CCL4	2J	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	BRDCLM	2J	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	12DCLP	2J	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	T13DCP	2J	LT	5	UGK6	
MBLK			072988	1200	WA	88WV0001	MB1	TRCLE	2J	LT	5	UGK6	

APPENDIX E-5

COAL PILE RAINFALL RUNOFF ANALYSIS

TABLE III

ANALYSES FOR COAL PILE RAINFALL RUNOFF
SPECIFIED BY PTM-24

Titration curve	Total arsenic
pH	Total cadmium
Suspended solids	Total chromium
Total dissolved solids	Total copper
Total sulfate	Total iron
Total Kjeldahl nitrogen	Total lead
Total Nitrate nitrogen	Total nickel
Total Phosphate	Total selenium
Total Mercury	Total zinc

TABLE IV

SUMMARY OF COAL PILE RAINFALL RUNOFF ANALYSES
(Dates Sampled: 12/1/78 and 12/4/78)

Parameter	A Area		P Area		D Area	
	1	2	1	2	1	2
pH	2.80	3.35	2.56	3.78	2.57	3.08
Susp. Solids, mg/l	25	3	218	5	10	30
Dissolved Solids, mg/l	5,440	553	700	350	660	480
Total Sulfate, mg/l	442.5	4275	4825	275	4600	360
Total Kjeldahl/N mg/l	.45	.56	.90	.39	.79	.28
Total Nitrate N mg/l	.7	1.0	.8	.6	0.7	0.5
Total Phosphate, mg/l	0.4	<0.3	.5	<.3	<0.3	<0.3
Total Mercury, µg/l	<.2	<.2	<.2	<.2	<.2	<.2
Total Arsenic, µg/l	2000	20	1000	<10	350	15
Total Cadmium, µg/l	10	<10	10	<10	10	<10
Total Chromium, µg/l	375	55	450	25	400	40
Total Vanadium, µg/l	750	125	1500	100	1500	100
Total Copper, µg/l	1600	80	2000	30	1000	45
Total Iron, µg/l	500,000	25,000	700,000	1500	280,000	17,500
Total Lead, µg/l	<10	<10	<10	<10	<10	<10
Total Nickel, µg/l	8000	750	3000	250	3000	500
Total Selenium, µg/l	60	<10	90	<10	75	<10
Total Zinc, µg/l	7000	1000	10,000	500	15,000	500

Note: 1 sampled near influent, 2 sampled near effluent

APPENDIX F

ASH BASIN DATA

APPENDIX F-1

**ANALYSIS OF D-AREA
ASH BASIN SOILS**

D-AREA
ASH BASIN
(DAB)

DAB2	-05	6-8
	-06	8-10
DAB3	-R	Rinsate
	-01	0-0.75
	-02	0-2
	-03	2-4
	-04	4-6
	-05	6-8
DAB4	-R	Rinsate
	-01	0-0.75
	-02	0-2
	-03	2-4
	-04	4-6
	-05	6-8
DAB5	-R	Rinsate
	-01	0-0.75
	-02	0-2
	-03	2-4
	-04	4-6
	-05	6-8

D-AREA

D AREA ASH BASIN
SAVANNAH RIVER PLANT
DETECTED COMPOUNDS

Core	Sample#	Test	Result	Units
1	1	PO4	119	MGKG
1	1	CR	7.7	MGKG
1	1	PB	3.8	MGKG
1	1	V	13.4	MGKG
1	1	BETAG	30	PCIG
1	1	ALPHAG	15	PCIG
1	1	NI	10.8	MGKG
1	1	TOTRAD	5.6	PCIG
1	1	MN	49.8	MGKG
1	1	ZN	10.1	MGKG
1	1	FE	5420	MGKG
1	1	AS	8.1	MGKG
1	1	TRITIUM	0.5	PCIM
1	1	BA	145	MGKG
1	1	CU	12.3	MGKG
1	2	ZN	23.3	MGKG
1	2	F	6.2	MGKG
1	2	FE	6940	MGKG
1	2	AS	24.3	MGKG
1	2	TOTRAD	8.2	PCIG
1	2	BETAG	23	PCIG
1	2	MN	66.2	MGKG
1	2	CR	18.3	MGKG
1	2	SD4	486	MGKG
1	2	TRITIUM	2.2	PCIM
1	2	NI	17	MGKG
1	2	BA	503	MGKG
1	2	SE	3	MGKG
1	2	CU	33.4	MGKG
1	2	PO4	419	MGKG
1	2	ALPHAG	15	PCIG
1	2	PB	13.1	MGKG
1	3	TRITIUM	3.8	PCIM
1	3	ZN	43.6	MGKG
1	3	ALPHAG	17	PCIG
1	3	FE	8110	MGKG
1	3	BA	386	MGKG
1	3	SD4	533	MGKG
1	3	PB	13.9	MGKG
1	3	MN	66.6	MGKG
1	3	CU	46.8	MGKG
1	3	SE	2.3	MGKG
1	3	AS	35.1	MGKG
1	3	NI	25.8	MGKG
1	3	CR	20.8	MGKG
1	3	BETAG	27	PCIG
1	3	TOTRAD	11	PCIG
1	3	PO4	720	MGKG
1	4	TOTRAD	12	PCIG
1	4	F	7.9	MGKG
1	4	FE	10600	MGKG
1	4	AS	42	MGKG
1	4	SD4	208	MGKG
1	4	BETAG	20	PCIG
1	4	MN	88.2	MGKG
1	4	CR	29.1	MGKG
1	4	ALPHAG	12	PCIG
1	4	TRITIUM	3.9	PCIM
1	4	NI	27.1	MGKG
1	4	BA	612	MGKG
1	4	SE	4.5	MGKG
1	4	CU	57.9	MGKG
1	4	ZN	34.3	MGKG
1	4	PO4	629	MGKG
1	4	PB	19	MGKG
1	5	MN	68.3	MGKG
1	5	TRITIUM	3.9	PCIM
1	5	PB	17.3	MGKG

3 AREA ASH BASIN
SAVANNAH RIVER PLANT
DETECTED COMPOUNDS

Core	Sample#	Test	Result	Units
1	5	FE	8520	MGKG
1	5	BA	468	MGKG
1	5	TOTRAD	12	PCIG
1	5	ALPHAG	15	PCIG
1	5	SO4	200	MGKG
1	5	CU	44.4	MGKG
1	5	SE	3.5	MGKG
1	5	AS	53.3	MGKG
1	5	NI	21.9	MGKG
1	5	CR	24.6	MGKG
1	5	BETAG	24	PCIG
1	5	ZN	35	MGKG
1	5	PO4	644	MGKG
1	6	CR	29.9	MGKG
1	6	FE	11400	MGKG
1	6	ALPHAG	11	PCIG
1	6	HG	0.17	MGKG
1	6	BA	473	MGKG
1	6	MN	88.4	MGKG
1	6	ZN	37.7	MGKG
1	6	SO4	104	MGKG
1	6	CU	52.2	MGKG
1	6	NI	25.6	MGKG
1	6	TOTRAD	9.7	PCIG
1	6	NO3	1.3	MGKG
1	6	BETAG	20	PCIG
1	6	PB	14	MGKG
1	6	TRITIU	4.8	PCIM
1	6	SE	4.6	MGKG
1	6	AS	70.2	MGKG
1	6	PO4	480	MGKG
1	7	ALPHAG	9	PCIG
1	7	SO4	52.1	MGKG
1	7	CU	11.5	MGKG
1	7	TOTRAD	2.9	PCIG
1	7	ZN	8	MGKG
1	7	PO4	14.9	MGKG
1	7	TRITIU	2.3	PCIM
1	7	FE	23700	MGKG
1	7	MN	4.4	MGKG
1	7	CR	16.9	MGKG
1	7	BETAG	8	PCIG
1	7	PB	7.2	MGKG
1	8	MN	7.7	MGKG
1	8	CU	20.7	MGKG
1	8	ALPHAG	19	PCIG
1	8	PB	10.3	MGKG
1	8	TOTRAD	6.3	PCIG
1	8	NO3	1.1	MGKG
1	8	PO4	27.6	MGKG
1	8	FE	37000	MGKG
1	8	TRITIU	2.3	PCIM
1	8	CR	30.2	MGKG
1	8	BETAG	17	PCIG
1	8	ZN	16.6	MGKG
1	9	CU	5.7	MGKG
1	9	MN	4.6	MGKG
1	9	ALPHAG	25	PCIG
1	9	TOTRAD	7.2	PCIG
1	9	NO3	1.1	MGKG
1	9	PO4	96.5	MGKG
1	9	ZN	13.1	MGKG
1	9	PB	3	MGKG
1	9	TRITIU	3	PCIM
1	9	CR	6.9	MGKG
1	9	BETAG	14	PCIG
1	9	FE	6830	MGKG
2	1	NI	14.4	MGKG

D AREA ASH BASIN
SAVANNAH RIVER PLANT
DETECTED COMPOUNDS

Core	Sample#	Test	Result	Units
2	1	NAP	5100	UGKG
2	1	ZN	46.4	MGKG
2	1	MN	144	MGKG
2	1	TOTRAD	5.7	PC16
2	1	HG	0.54	MGKG
2	1	SO4	5680	MGKG
2	1	FE	33700	MGKG
2	1	SE	2.8	MGKG
2	1	F	13.3	MGKG
2	1	PO4	86.4	MGKG
2	1	CU	23.2	MGKG
2	1	PHANTR	4800	UGKG
2	1	CR	7.4	MGKG
2	1	ALPHAG	7	PC16
2	1	BETAG	14	PC16
2	1	TL	9.4	MGKG
2	1	BE	1.5	MGKG
2	1	SE	112	UGL
2	1	2HENAP	7600	UGKG
2	1	PB	12.1	MGKG
2	1	BA	86.1	MGKG
2	1	SN	40.6	MGKG
2	1	V	15.8	MGKG
2	1	PO4	134	MGKG
2	1	AS	392	MGKG
2	2	ALPHAG	9	PC16
2	2	FE	28800	MGKG
2	2	HG	0.35	MGKG
2	2	AS	55.8	MGKG
2	2	HG	0.61	MGKG
2	2	BETAG	14	PC16
2	2	MN	215	MGKG
2	2	CR	13.8	MGKG
2	2	TOTRAD	5.2	PC16
2	2	TRITIUM	1.4	PC1M
2	2	NI	15.8	MGKG
2	2	SE	2.7	MGKG
2	2	SO4	6960	MGKG
2	2	ZN	37.8	MGKG
2	2	PB	10.3	MGKG
2	2	F	13.5	MGKG
2	2	CU	36.7	MGKG
2	2	BA	205	MGKG
2	2	PO4	249	MGKG
2	3	FE	11000	MGKG
2	3	TOTRAD	8.3	PC16
2	3	SE	3.1	MGKG
2	3	HG	0.17	MGKG
2	3	BA	530	MGKG
2	3	MN	110	MGKG
2	3	ZN	20.3	MGKG
2	3	ALPHAG	9	PC16
2	3	CU	24.6	MGKG
2	3	NI	14.1	MGKG
2	3	F	6.9	MGKG
2	3	SO4	1630	MGKG
2	3	BETAG	22	PC16
2	3	PB	8.4	MGKG
2	3	TRITIUM	4	PC1M
2	3	CR	12.6	MGKG
2	3	AS	34.9	MGKG
2	3	PO4	320	MGKG
2	4	TRITIUM	5.4	PC1M
2	4	SO4	2020	MGKG
2	4	PB	9.9	MGKG
2	4	FE	6330	MGKG
2	4	BA	274	MGKG
2	4	SE	2.3	MGKG

D AREA ASH BASIN
SAVANNAH RIVER PLANT
DETECTED COMPOUNDS

Core	Sample#	Test	Result	Units
2	4	ZN	19	MGKG
2	4	MN	69.2	MGKG
2	4	CU	27.5	MGKG
2	4	ALPHA6	12	PCIG
2	4	AS	18.8	MGKG
2	4	NI	14.7	MGKG
2	4	CR	15.1	MGKG
2	4	BETAG	17	PCIG
2	4	TOTRAD	8.4	PCIG
2	4	PO4	657	MGKG
2	5	MN	82.8	MGKG
2	5	TRITIUM	4.8	PCIM
2	5	FE	11700	MGKG
2	5	PO4	397	MGKG
2	5	SO4	4300	MGKG
2	5	BETAG	21	PCIG
2	5	SE	4.1	MGKG
2	5	CR	15.5	MGKG
2	5	ALPHA6	10	PCIG
2	5	AS	125	MGKG
2	5	NI	16.6	MGKG
2	5	BA	268	MGKG
2	5	NO3	1.6	MGKG
2	5	CU	29.5	MGKG
2	5	ZN	26	MGKG
2	5	TOTRAD	8	PCIG
2	5	PB	20	MGKG
2	6	PB	17.1	MGKG
2	6	TOTRAD	11	PCIG
2	6	ALPHA6	14	PCIG
2	6	FE	19000	MGKG
2	6	BA	840	MGKG
2	6	SO4	2700	MGKG
2	6	ZN	41	MGKG
2	6	MN	129	MGKG
2	6	CU	55.3	MGKG
2	6	SE	2.9	MGKG
2	6	AS	49.6	MGKG
2	6	NI	36.9	MGKG
2	6	CR	30.4	MGKG
2	6	BETAG	20	PCIG
2	6	TRITIUM	4.2	PCIM
2	6	PO4	448	MGKG
3	1	NI	9.9	MGKG
3	1	NBD5	67	PER
3	1	ZN	18.3	MGKG
3	1	NAP	7400	UGKG
3	1	TL	2.7	MGKG
3	1	MN	38	MGKG
3	1	SN	40.2	MGKG
3	1	HG	0.29	MGKG
3	1	PO4	218	MGKG
3	1	FE	32000	MGKG
3	1	PB	12.5	MGKG
3	1	CU	25.1	MGKG
3	1	V	25.9	MGKG
3	1	CR	13.2	MGKG
3	1	SE	2.2	MGKG
3	1	BA	182	MGKG
3	1	2MENAP	11000	UGKG
3	1	PHANTR	6900	UGKG
3	1	SO4	889	MGKG
3	1	AS	90.8	MGKG
3	2	PO4	190	MGKG
3	2	TOTRAD	7	PCIG
3	2	FE	19900	MGKG
3	2	AS	3.4	MGKG
3	2	SO4	539	MGKG

D AREA ASH BASIN
SAVANNAH RIVER PLANT
DETECTED COMPOUNDS

Core	Sample#	Test	Result	Units
3	2	BETAG	17	PC16
3	2	MN	120	MGKG
3	2	CR	14.8	MGKG
3	2	SE	1.6	MGKG
3	2	TRITIUM	1.1	PC1M
3	2	NI	10.7	MGKG
3	2	BA	220	MGKG
3	2	NO3	1.1	MGKG
3	2	CU	34.3	MGKG
3	2	ZN	14.3	MGKG
3	2	ALPHAG	5	PC16
3	2	PB	6.8	MGKG
3	3	F	11.4	MGKG
3	3	TOTRAD	6.6	PC16
3	3	FE	16800	MGKG
3	3	AS	21.1	MGKG
3	3	SO4	1080	MGKG
3	3	BETAG	13	PC16
3	3	MN	258	MGKG
3	3	CR	15.4	MGKG
3	3	ALPHAG	10	PC16
3	3	TRITIUM	1.5	PC1M
3	3	NI	21	MGKG
3	3	BA	353	MGKG
3	3	SE	1.6	MGKG
3	3	CU	74.5	MGKG
3	3	ZN	48.1	MGKG
3	3	PO4	429	MGKG
3	3	PB	7.5	MGKG
3	4	ALPHAG	12	PC16
3	4	PB	4.2	MGKG
3	4	PO4	334	MGKG
3	4	AS	18.5	MGKG
3	4	SE	1.9	MGKG
3	4	BETAG	17	PC16
3	4	SO4	127	MGKG
3	4	CR	11.9	MGKG
3	4	TOTRAD	7.3	PC16
3	4	TRITIUM	1.9	PC1M
3	4	BA	515	MGKG
3	4	NI	18	MGKG
3	4	ZN	21.8	MGKG
3	4	FE	36500	MGKG
3	4	MN	470	MGKG
3	4	CU	38.1	MGKG
4	1	NI	17.6	MGKG
4	1	ALPHAG	19	PC161
4	1	MN	32.3	MGKG
4	1	V	48.8	MGKG
4	1	FE	4180	MGKG
4	1	TOTRAD	16	PC161
4	1	F	6.4	MGKG
4	1	SE	5.1	MGKG
4	1	CU	27.4	MGKG
4	1	PO4	347	MGKG
4	1	CR	15.5	MGKG
4	1	NO3	2.7	MGKG
4	1	BETAG	25	PC165
4	1	TRITIUM	14	PC1M1
4	1	BE	2.4	MGKG
4	1	PO4	354	MGKG
4	1	BA	312	MGKG
4	1	ZN	19.8	MGKG
4	1	PB	13.7	MGKG
4	1	111TCE	15	UGKG
4	1	AS	53.7	MGKG
4	2	111TCE	510	UGKG
4	2	MN	33.2	MGKG

D AREA ASH BASIN
SAVANNAH RIVER PLANT
DETECTED COMPOUNDS

Core	Sample#	Test	Result	Units
4	2	AS	39.3	MGKG
4	2	BA	301	MGKG
4	2	ZN	22.5	MGKG
4	2	BETAG	26	PC165
4	2	TOTRAD	19	PC161
4	2	NO3	1.7	MGKG
4	2	PO4	250	MGKG
4	2	NI	14	MGKG
4	2	ALPHAG	24	PC161
4	2	FE	3880	MGKG
4	2	TRITIUM	13	PC1M1
4	2	F	6.4	MGKG
4	2	PB	13.8	MGKG
4	2	SE	3.7	MGKG
4	2	CR	19.3	MGKG
4	2	CU	26.6	MGKG
4	3	111TCE	1500	UGKG
4	3	ALPHAG	7	PC164
4	3	AS	31.4	MGKG
4	3	ZN	19.4	MGKG
4	3	BA	441	MGKG
4	3	TOTRAD	1.1	PC160
4	3	BETAG	11	PC164
4	3	SE	6.7	MGKG
4	3	NI	17	MGKG
4	3	PB	13.9	MGKG
4	3	MN	54.7	MGKG
4	3	TRITIUM	13	PC1M1
4	3	FE	5100	MGKG
4	3	PO4	597	MGKG
4	3	SO4	1090	MGKG
4	3	CR	21.7	MGKG
4	3	CU	40.4	MGKG
4	4	111TCE	15	UGKG
4	4	MN	40.1	MGKG
4	4	CU	26.8	MGKG
4	4	AS	33.2	MGKG
4	4	BA	370	MGKG
4	4	ZN	21.4	MGKG
4	4	BETAG	27	PC165
4	4	TOTRAD	15	PC161
4	4	PO4	297	MGKG
4	4	SE	2.8	MGKG
4	4	PB	12.3	MGKG
4	4	CR	14.6	MGKG
4	4	NI	14.2	MGKG
4	4	SO4	207	MGKG
4	4	TRITIUM	13	PC1M1
4	4	ALPHAG	34	PC161
4	4	FE	4620	MGKG
4	5	CR	23.6	MGKG
4	5	ALPHAG	11	PC165
4	5	ZN	35.8	MGKG
4	5	AS	53.4	MGKG
4	5	TOTRAD	9.5	PC160
4	5	BA	450	MGKG
4	5	SE	6.1	MGKG
4	5	BETAG	17	PC164
4	5	PB	19.8	MGKG
4	5	MN	62.2	MGKG
4	5	TRITIUM	10	PC1M1
4	5	FE	7120	MGKG
4	5	PO4	515	MGKG
4	5	SO4	89.3	MGKG
4	5	NI	21.8	MGKG
4	5	CU	40.1	MGKG
5	1	NI	15.6	MGKG
5	1	ALPHAG	26	PC161

AREA ASH BASIN
SAVANNAH RIVER PLANT
DETECTED COMPOUNDS

Core	Sample#	Test	Result	Units
5	1	MN	49.1	MSKG
5	1	V	31.9	MSKG
5	1	FE	3310	MSKG
5	1	TOTRAD	13	PC161
5	1	F	7.4	MSKG
5	1	SO4	153	MSKG
5	1	CU	20.5	MSKG
5	1	PO4	246	MSKG
5	1	CR	10.7	MSKG
5	1	NO3	3.6	MSKG
5	1	BETAG	16	PC165
5	1	TRITIUM	9.5	PC160
5	1	BE	1.7	MSKG
5	1	SE	2	MSKG
5	1	BA	214	MSKG
5	1	ZN	14.9	MSKG
5	1	PB	10.3	MSKG
5	1	111TCE	140	UGKG
5	1	AS	38.1	MSKG
5	2	111TCE	150	UGKG
5	2	CU	16.9	MSKG
5	2	ALPHAG	24	PC161
5	2	AS	21.2	MSKG
5	2	ZN	15	MSKG
5	2	BA	309	MSKG
5	2	TOTRAD	14	PC161
5	2	BETAG	26	PC165
5	2	PO4	182	MSKG
5	2	MN	26.3	MSKG
5	2	CR	10.3	MSKG
5	2	FE	2670	MSKG
5	2	SO4	1210	MSKG
5	2	TRITIUM	15	PC161
5	2	PB	6.8	MSKG
5	2	F	6	MSKG
5	3	ALPHAG	57	PC161
5	3	MN	72.9	MSKG
5	3	PB	14.2	MSKG
5	3	AS	36.5	MSKG
5	3	ZN	30.9	MSKG
5	3	BA	420	MSKG
5	3	TOTRAD	16	PC161
5	3	BETAG	29	PC165
5	3	SE	2.9	MSKG
5	3	NI	21.6	MSKG
5	3	CR	25.2	MSKG
5	3	FE	7160	MSKG
5	3	SO4	142	MSKG
5	3	TRITIUM	16	PC161
5	3	PO4	782	MSKG
5	3	CU	40	MSKG
5	4	ZN	22.4	MSKG
5	4	ALPHAG	18	PC161
5	4	CR	20.4	MSKG
5	4	AS	29.3	MSKG
5	4	TOTRAD	18	PC161
5	4	BA	580	MSKG
5	4	SE	2.9	MSKG
5	4	BETAG	33	PC165
5	4	PB	11.2	MSKG
5	4	MN	89.3	MSKG
5	4	TRITIUM	11	PC161
5	4	FE	8790	MSKG
5	4	PO4	501	MSKG
5	4	SO4	420	MSKG
5	4	NI	17	MSKG
5	4	CU	38.3	MSKG
5	5	ZN	21.5	MSKG

D AREA ASH BASIN
SAVANNAH RIVER PLANT
DETECTED COMPOUNDS

Core	Sample#	Test	Result	Units
5	5	CR	18.2	MGKG
5	5	ALPHAG	56	PC161
5	5	TOTRAD	17	PC161
5	5	AS	46.7	MGKG
5	5	PO4	484	MGKG
5	5	BA	484	MGKG
5	5	NI	17.4	MGKG
5	5	BETAG	29	PC165
5	5	TRITIU	16	PC1M1
5	5	FE	7700	MGKG
5	5	PB	14.1	MGKG
5	5	SE	3.4	MGKG
5	5	MN	75.7	MGKG
5	5	CU	29.7	MGKG
6	1	NI	11.3	MGKG
6	1	MN	24.5	MGKG
6	1	ZN	14.4	MGKG
6	1	FE	3020	MGKG
6	1	TRITIU	16	PC1M1
6	1	CU	19.8	MGKG
6	1	111TCE	260	UGKG
6	1	CR	15.3	MGKG
6	1	PB	7.7	MGKG
6	1	BETAG	24	PC165
6	1	ALPHAG	20	PC167
6	1	BE	1.2	MGKG
6	1	TOTRAD	15	PC161
6	1	BA	399	MGKG
6	1	NO3	8.2	MGKG
6	1	PO4	215	MGKG
6	1	V	19.2	MGKG
6	1	AS	13.3	MGKG
6	2	111TCE	83	UGKG
6	2	CU	22.4	MGKG
6	2	AS	17.1	MGKG
6	2	BA	516	MGKG
6	2	ZN	12.8	MGKG
6	2	BETAG	30	PC165
6	2	TOTRAD	12	PC161
6	2	PB	8.2	MGKG
6	2	SE	1.4	MGKG
6	2	NO3	3.3	MGKG
6	2	ALPHAG	31	PC161
6	2	NI	11.4	MGKG
6	2	TRITIU	17	PC1M1
6	2	MN	38.8	MGKG
6	2	PO4	201	MGKG
6	2	SO4	139	MGKG
6	2	CR	16.7	MGKG
6	2	FE	5170	MGKG
6	3	BA	536	MGKG
6	3	MN	62.9	MGKG
6	3	AS	22.3	MGKG
6	3	PO4	519	MGKG
6	3	111TCE	240	UGKG
6	3	BETAG	23	PC165
6	3	TRITIU	14	PC1M1
6	3	PB	8.2	MGKG
6	3	SO4	608	MGKG
6	3	NO3	6.7	MGKG
6	3	ALPHAG	34	PC161
6	3	NI	19.9	MGKG
6	3	ZN	20.2	MGKG
6	3	FE	5790	MGKG
6	3	SE	3.7	MGKG
6	3	TOTRAD	20	PC161
6	3	CR	19.4	MGKG
6	3	CU	32.5	MGKG

D AREA ASH BASIN
SAVANNAH RIVER PLANT
DETECTED COMPOUNDS

Core	Sample#	Test	Result	Units
6	4	111TCE	9	UGKG
6	4	AS	25.4	MGKG
6	4	CR	16.1	MGKG
6	4	BA	620	MGKG
6	4	TRITIUM	26	PCIM1
6	4	BETAG	27	PCIG5
6	4	SO4	607	MGKG
6	4	NO3	1.6	MGKG
6	4	PO4	486	MGKG
6	4	NI	18.2	MGKG
6	4	ALPHA6	35	PCIG1
6	4	MN	54.4	MGKG
6	4	TOTRAD	17	PCIG1
6	4	FE	5250	MGKG
6	4	PB	9.8	MGKG
6	4	SE	2.4	MGKG
6	4	ZN	17.6	MGKG
6	4	CU	28.1	MGKG
6	5	BA	481	MGKG
6	5	SE	2.7	MGKG
6	5	BETAG	34	PCIG5
6	5	ZN	19	MGKG
6	5	SE	2.7	MGKG
6	5	TOTRAD	20	PCIG1
6	5	PO4	462	MGKG
6	5	SO4	791	MGKG
6	5	PB	9.1	MGKG
6	5	SE	2.7	MGKG
6	5	NO3	1.5	MGKG
6	5	AS	8.6	MGKG
6	5	NI	15.9	MGKG
6	5	TRITIUM	12	PCIM1
6	5	MN	74.2	MGKG
6	5	SO4	791	MGKG
6	5	FE	6880	MGKG
6	5	CR	17.9	MGKG
6	5	ALPHA6	27	PCIG9
6	5	SO4	791	MGKG
6	5	CU	32.1	MGKG

D AREA ASH BASIN
SAVANNAH RIVER PLANT
CONSTITUENTS ABOVE BACKGROUND

Core	Sample#	Test	Result	Units	EXCEEDS BACKGROUND	(OPEN ENTRIES INDICATE NO ESTABLISHED BACKGROUND)
1	1	ALPHAG	15	PC16		
1	1	BA	145	MGKG	YES	
1	1	BETAG	30	PC16		
1	1	MN	49.8	MGKG		
1	1	PO4	119	MGKG		
1	1	TOTRAD	5.6	PC16		CODE NAME
1	1	TRITIUM	0.5	PC16		111TCE 1,1,1-TRICHLOROETHANE'
1	1	V	13.4	MGKG		2MENAP 2-METHYLNAPHTHALENE'
1	2	ALPHAG	15	PC16		ALPHAG GROSS ALPHA'
1	2	AS	24.3	MGKG	YES	AS ARSENIC'
1	2	BA	503	MGKG	YES	BA BARIUM'
1	2	BETAG	23	PC16		BE BERYLLIUM'
1	2	CU	33.4	MGKG	YES	BETAG NONVOLATILE BETA'
1	2	F	6.2	MGKG		CR CHROMIUM'
1	2	MN	66.2	MGKG		CU COPPER'
1	2	NI	17	MGKG	YES	F FLUORIDE'
1	2	PO4	419	MGKG		FE IRON'
1	2	SE	3	MGKG		HG MERCURY'
1	2	SO4	486	MGKG		MN MANGANESE'
1	2	TOTRAD	8.2	PC16		NAP NAPHTHALENE'
1	2	TRITIUM	2.2	PC16		NI NICKEL'
1	3	ALPHAG	17	PC16		NO3 NITRATE AS NITROGEN'
1	3	AS	35.1	MGKG	YES	PB LEAD'
1	3	BA	386	MGKG	YES	PHANTR PHENANTHRENE'
1	3	BETAG	27	PC16		PO4 PHOSPHATE'
1	3	CU	46.8	MGKG	YES	SE SELENIUM'
1	3	MN	66.6	MGKG		SN TIN'
1	3	NI	25.8	MGKG	YES	SO4 SULFATE'
1	3	PO4	720	MGKG		TL THALLIUM'
1	3	SE	2.3	MGKG		TOTRAD TOTAL RADIUM'
1	3	SO4	533	MGKG		TRITIUM TRITIUM'
1	3	TOTRAD	11	PC16		V VANADIUM'
1	3	TRITIUM	3.8	PC16		ZN ZINC'
1	3	ZN	43.6	MGKG	YES	
1	4	ALPHAG	12	PC16		
1	4	AS	42	MGKG	YES	
1	4	BA	612	MGKG	YES	
1	4	BETAG	20	PC16		
1	4	CU	57.9	MGKG	YES	
1	4	F	7.9	MGKG		
1	4	MN	88.2	MGKG		
1	4	NI	27.1	MGKG	YES	
1	4	PO4	629	MGKG		
1	4	SE	4.5	MGKG		
1	4	SO4	208	MGKG		
1	4	TOTRAD	12	PC16		
1	4	TRITIUM	3.9	PC16		
1	4	ZN	34.3	MGKG	YES	
1	5	ALPHAG	15	PC16		
1	5	AS	53.3	MGKG		
1	5	BA	468	MGKG		
1	5	BETAG	24	PC16		
1	5	CU	44.4	MGKG	YES	
1	5	MN	68.3	MGKG		
1	5	NI	21.9	MGKG	YES	
1	5	PO4	644	MGKG		
1	5	SE	3.5	MGKG		
1	5	SO4	200	MGKG		
1	5	TOTRAD	12	PC16		
1	5	TRITIUM	3.9	PC16		
1	5	ZN	35	MGKG	YES	
1	6	ALPHAG	11	PC16		
1	6	AS	70.2	MGKG		
1	6	BA	473	MGKG		
1	6	BETAG	20	PC16		
1	6	CU	52.2	MGKG	YES	
1	6	HG	0.17	MGKG	YES	
1	6	MN	88.4	MGKG		

D AREA ASH BASIN
SAVANNAH RIVER PLANT
CONSTITUENTS ABOVE BACKGROUND

Core	Sample#	Test	Result	Units	EXCEEDS BACKGROUND	(OPEN ENTRIES INDICATE NO ESTABLISHED BACKGROUND)
1	6	N1	25.6	MGKG	YES	
1	6	NO3	1.3	MGKG		
1	6	PO4	480	MGKG		
1	6	SE	4.6	MGKG		
1	6	SO4	104	MGKG		
1	6	TOTRAD	9.7	PCIG		
1	6	TRITIUM	4.8	PCIM		
1	6	ZN	37.7	MGKG	YES	
1	7	ALPHA6	9	PCIG		
1	7	BETA6	8	PCIG		
1	7	MN	4.4	MGKG		
1	7	PO4	14.9	MGKG		
1	7	SO4	52.1	MGKG		
1	7	TOTRAD	2.9	PCIG		
1	7	TRITIUM	2.3	PCIM		
1	8	ALPHA6	19	PCIG		
1	8	BETA6	17	PCIG		
1	8	MN	7.7	MGKG		
1	8	NO3	1.1	MGKG		
1	8	PO4	27.6	MGKG		
1	8	TOTRAD	6.3	PCIG		
1	8	TRITIUM	2.3	PCIM		
1	9	ALPHA6	25	PCIG		
1	9	BETA6	14	PCIG		
1	9	CU	5.7	MGKG		
1	9	MN	4.6	MGKG		
1	9	NO3	1.1	MGKG		
1	9	PO4	96.5	MGKG		
1	9	TOTRAD	7.2	PCIG		
1	9	TRITIUM	3	PCIM		
2	1	ZMENAP	7600	UGKG	YES	
2	1	ALPHA6	7	PCIG		
2	1	AS	392	MGKG		
2	1	BA	86.1	MGKG		
2	1	BE	1.5	MGKG		
2	1	BETA6	14	PCIG		
2	1	CU	23.2	MGKG	YES	
2	1	F	13.3	MGKG		
2	1	HG	0.54	MGKG	YES	
2	1	MN	144	MGKG		
2	1	NAP	5100	UGKG		
2	1	NI	14.4	MGKG	YES	
2	1	PHANTR	4800	UGKG	YES	
2	1	PO4	86.4	MGKG		
2	1	PO4	134	MGKG		
2	1	SE	112	UGL		
2	1	SE	2.8	MGKG		
2	1	SN	40.6	MGKG		
2	1	SO4	5680	MGKG		
2	1	TL	9.4	MGKG		
2	1	TOTRAD	5.7	PCIG		
2	1	V	15.8	MGKG		
2	1	ZN	46.4	MGKG	YES	
2	2	ALPHA6	9	PCIG		
2	2	AS	55.8	MGKG		
2	2	BA	205	MGKG		
2	2	BETA6	14	PCIG		
2	2	CU	36.7	MGKG	YES	
2	2	F	13.5	MGKG		
2	2	HG	0.61	MGKG	YES	
2	2	MN	215	MGKG		
2	2	NI	15.8	MGKG	YES	
2	2	PO4	249	MGKG		
2	2	SE	2.7	MGKG		
2	2	SO4	6960	MGKG		
2	2	TOTRAD	5.2	PCIG		
2	2	TRITIUM	1.4	PCIM		
2	2	ZN	37.8	MGKG	YES	

D AREA ASH BASIN
SAVANNAH RIVER PLANT
CONSTITUENTS ABOVE BACKGROUND

Core	Sample#	Test	Result	Units	EXCEEDS BACKGROUND	(OPEN ENTRIES INDICATE NO ESTABLISHED BACKGROUND)
2	3	ALPHAG	9	PCIG		
2	3	AS	34.9	MSKG		
2	3	BA	530	MSKG		
2	3	BETAG	22	PCIG		
2	3	CU	24.6	MSKG	YES	
2	3	F	6.9	MSKG		
2	3	HG	0.17	MSKG	YES	
2	3	MN	110	MSKG		
2	3	NI	14.1	MSKG	YES	
2	3	PO4	320	MSKG		
2	3	SE	3.1	MSKG		
2	3	SO4	1630	MSKG		
2	3	TOTRAD	8.3	PCIG		
2	3	TRITIU	4	PCIM		
2	4	ALPHAG	12	PCIG		
2	4	AS	18.8	MSKG		
2	4	BA	274	MSKG		
2	4	BETAG	17	PCIG		
2	4	CU	27.5	MSKG	YES	
2	4	MN	69.2	MSKG		
2	4	NI	14.7	MSKG	YES	
2	4	PO4	657	MSKG		
2	4	SE	2.3	MSKG		
2	4	SO4	2020	MSKG		
2	4	TOTRAD	8.4	PCIG		
2	4	TRITIU	5.4	PCIM		
2	5	ALPHAG	10	PCIG		
2	5	AS	125	MSKG		
2	5	BA	268	MSKG		
2	5	BETAG	21	PCIG		
2	5	CU	29.5	MSKG	YES	
2	5	MN	82.8	MSKG		
2	5	NI	16.6	MSKG	YES	
2	5	NO3	1.6	MSKG		
2	5	PO4	397	MSKG		
2	5	SE	4.1	MSKG		
2	5	SO4	4300	MSKG		
2	5	TOTRAD	8	PCIG		
2	5	TRITIU	4.8	PCIM		
2	6	ALPHAG	14	PCIG		
2	6	AS	49.6	MSKG		
2	6	BA	840	MSKG		
2	6	BETAG	20	PCIG		
2	6	CU	55.3	MSKG	YES	
2	6	MN	129	MSKG		
2	6	NI	36.9	MSKG	YES	
2	6	PO4	448	MSKG		
2	6	SE	2.9	MSKG		
2	6	SO4	2700	MSKG		
2	6	TOTRAD	11	PCIG		
2	6	TRITIU	4.2	PCIM		
2	6	ZN	41	MSKG	YES	
3	1	ZNENAP	11000	USKG	YES	
3	1	AS	90.8	MSKG		
3	1	BA	182	MSKG		
3	1	CU	25.1	MSKG	YES	
3	1	HG	0.29	MSKG	YES	
3	1	MN	38	MSKG		
3	1	NAP	7400	USKG		
3	1	PHANTR	6900	USKG	YES	
3	1	PO4	218	MSKG		
3	1	SE	2.2	MSKG		
3	1	SN	40.2	MSKG		
3	1	SO4	889	MSKG		
3	1	TL	2.7	MSKG		
3	1	V	25.9	MSKG		
3	2	ALPHAG	5	PCIG		
3	2	AS	3.4	MSKG		

B AREA ASH BASIN
 SAVANNAH RIVER PLANT
 CONSTITUENTS ABOVE BACKGROUND

Core	Sample#	Test	Result	Units	EXCEEDS BACKGROUND	(OPEN ENTRIES INDICATE NO ESTABLISHED BACKGROUND)
3	2	BA	220	MGKG		
3	2	BETAG	17	PCIG		
3	2	CU	34.3	MGKG	YES	
3	2	MN	120	MGKG		
3	2	NO3	1.1	MGKG		
3	2	PO4	190	MGKG		
3	2	SE	1.6	MGKG		
3	2	SO4	539	MGKG		
3	2	TOTRAD	7	PCIG		
3	2	TRITIUM	1.1	PCIM		
3	3	ALPHAG	10	PCIG		
3	3	AS	21.1	MGKG		
3	3	BA	353	MGKG		
3	3	BETAG	13	PCIG		
3	3	CU	74.5	MGKG	YES	
3	3	F	11.4	MGKG		
3	3	MN	258	MGKG		
3	3	NI	21	MGKG	YES	
3	3	PO4	429	MGKG		
3	3	SE	1.6	MGKG		
3	3	SO4	1080	MGKG		
3	3	TOTRAD	6.6	PCIG		
3	3	TRITIUM	1.5	PCIM		
3	3	ZN	48.1	MGKG	YES	
3	4	ALPHAG	12	PCIG		
3	4	AS	18.5	MGKG		
3	4	BA	515	MGKG		
3	4	BETAG	17	PCIG		
3	4	CU	38.1	MGKG	YES	
3	4	MN	470	MGKG		
3	4	NI	18	MGKG	YES	
3	4	PO4	334	MGKG		
3	4	SE	1.9	MGKG		
3	4	SO4	127	MGKG		
3	4	TOTRAD	7.3	PCIG		
3	4	TRITIUM	1.9	PCIM		
4	1	IIITCE	15	UGKG	YES	
4	1	ALPHAG	19	PCIG1		
4	1	AS	53.7	MGKG		
4	1	BA	312	MGKG		
4	1	BE	2.4	MGKG		
4	1	BETAG	25	PCIG5		
4	1	CU	27.4	MGKG	YES	
4	1	F	6.4	MGKG		
4	1	MN	32.3	MGKG		
4	1	NI	17.6	MGKG	YES	
4	1	NO3	2.7	MGKG		
4	1	PO4	347	MGKG		
4	1	PO4	354	MGKG		
4	1	SE	5.1	MGKG		
4	1	TOTRAD	16	PCIG1		
4	1	TRITIUM	14	PCIM1		
4	1	V	48.8	MGKG		
4	2	IIITCE	510	UGKG	YES	
4	2	ALPHAG	24	PCIG1		
4	2	AS	39.3	MGKG		
4	2	BA	301	MGKG		
4	2	BETAG	26	PCIG5		
4	2	CU	26.6	MGKG	YES	
4	2	F	6.4	MGKG		
4	2	MN	33.2	MGKG		
4	2	NI	14	MGKG	YES	
4	2	NO3	1.7	MGKG		
4	2	PO4	250	MGKG		
4	2	SE	3.7	MGKG		
4	2	TOTRAD	19	PCIG1		
4	2	TRITEU	13	PCIM1		
4	3	IIITCE	1500	UGKG	YES	

D AREA ASH BASIN
SAVANNAH RIVER PLANT
CONSTITUENTS ABOVE BACKGROUND

Core	Sample#	Test	Result	Units	EXCEEDS BACKGROUND	(OPEN ENTRIES INDICATE NO ESTABLISHED BACKGROUND)
4	3	ALPHAG	7	PC164		
4	3	AS	31.4	MGKG		
4	3	BA	441	MGKG		
4	3	BETAG	11	PC164		
4	3	CU	40.4	MGKG	YES	
4	3	MN	54.7	MGKG		
4	3	NI	17	MGKG	YES	
4	3	PO4	597	MGKG		
4	3	SE	6.7	MGKG		
4	3	SO4	1090	MGKG		
4	3	TOTRAD	1.1	PC160		
4	3	TRITIUM	13	PC1M1		
4	4	111TCE	15	UGKG	YES	
4	4	ALPHAG	34	PC161		
4	4	AS	33.2	MGKG		
4	4	BA	370	MGKG		
4	4	BETAG	27	PC165		
4	4	CU	26.8	MGKG	YES	
4	4	MN	40.1	MGKG		
4	4	NI	14.2	MGKG	YES	
4	4	PO4	297	MGKG		
4	4	SE	2.8	MGKG		
4	4	SO4	207	MGKG		
4	4	TOTRAD	15	PC161		
4	4	TRITIUM	13	PC1M1		
4	5	ALPHAG	11	PC165		
4	5	AS	53.4	MGKG		
4	5	BA	450	MGKG		
4	5	BETAG	17	PC164		
4	5	CU	40.1	MGKG	YES	
4	5	MN	62.2	MGKG		
4	5	NI	21.8	MGKG	YES	
4	5	PO4	515	MGKG		
4	5	SE	6.1	MGKG		
4	5	SO4	89.3	MGKG		
4	5	TOTRAD	9.5	PC160		
4	5	TRITIUM	10	PC1M1		
4	5	ZN	35.8	MGKG	YES	
5	1	111TCE	140	UGKG	YES	
5	1	ALPHAG	26	PC161		
5	1	AS	38.1	MGKG		
5	1	BA	214	MGKG		
5	1	BE	1.7	MGKG		
5	1	BETAG	16	PC165		
5	1	F	7.4	MGKG		
5	1	MN	49.1	MGKG		
5	1	NI	15.6	MGKG	YES	
5	1	NO3	3.6	MGKG		
5	1	PO4	246	MGKG		
5	1	SE	2	MGKG		
5	1	SO4	153	MGKG		
5	1	TOTRAD	13	PC161		
5	1	TRITIUM	9.5	PC1M0		
5	1	V	31.9	MGKG		
5	2	111TCE	150	UGKG	YES	
5	2	ALPHAG	24	PC161		
5	2	AS	21.2	MGKG		
5	2	BA	309	MGKG		
5	2	BETAG	26	PC165		
5	2	F	6	MGKG		
5	2	MN	26.3	MGKG		
5	2	PO4	182	MGKG		
5	2	SO4	1210	MGKG		
5	2	TOTRAD	14	PC161		
5	2	TRITIUM	15	PC1M1		
5	3	ALPHAG	57	PC161		
5	3	AS	36.5	MGKG		
5	3	BA	420	MGKG		

AREA ASH BASIN
JAVANNAH RIVER PLANT
CONSTITUENTS ABOVE BACKGROUND

Core	Sample#	Test	Result	Units	EXCEEDS BACKGROUND	(OPEN ENTRIES INDICATE NO ESTABLISHED BACKGROUND)
5	3	BETAG	29	PC165		
5	3	CU	40	MSKG	YES	
5	3	MN	72.9	MSKG		
5	3	NI	21.6	MSKG	YES	
5	3	PO4	782	MSKG		
5	3	SE	2.9	MSKG		
5	3	SO4	142	MSKG		
5	3	TOTRAD	16	PC161		
5	3	TRITIUM	16	PC161		
5	4	ALPHAG	18	PC161		
5	4	AS	29.3	MSKG		
5	4	BA	580	MSKG		
5	4	BETAG	33	PC165		
5	4	CU	38.3	MSKG	YES	
5	4	MN	89.3	MSKG		
5	4	NI	17	MSKG	YES	
5	4	PO4	501	MSKG		
5	4	SE	2.9	MSKG		
5	4	SO4	420	MSKG		
5	4	TOTRAD	18	PC161		
5	4	TRITIUM	11	PC161		
5	5	ALPHAG	56	PC161		
5	5	AS	46.7	MSKG		
5	5	BA	484	MSKG		
5	5	BETAG	29	PC165		
5	5	CU	29.7	MSKG	YES	
5	5	MN	75.7	MSKG		
5	5	NI	17.4	MSKG	YES	
5	5	PO4	484	MSKG		
5	5	SE	3.4	MSKG		
5	5	TOTRAD	17	PC161		
5	5	TRITIUM	16	PC161		
6	1	111TCE	260	USKG	YES	
6	1	ALPHAG	20	PC167		
6	1	AS	13.3	MSKG		
6	1	BA	399	MSKG		
6	1	BE	1.2	MSKG		
6	1	BETAG	24	PC165		
6	1	MN	24.5	MSKG		
6	1	NI	11.3	MSKG	YES	
6	1	NO3	8.2	MSKG		
6	1	PO4	215	MSKG		
6	1	TOTRAD	15	PC161		
6	1	TRITIUM	16	PC161		
6	1	V	19.2	MSKG		
6	2	111TCE	83	USKG	YES	
6	2	ALPHAG	31	PC161		
6	2	AS	17.1	MSKG		
6	2	BA	516	MSKG		
6	2	BETAG	30	PC165		
6	2	CU	22.4	MSKG	YES	
6	2	MN	38.8	MSKG		
6	2	NI	11.4	MSKG	YES	
6	2	NO3	3.3	MSKG		
6	2	PO4	201	MSKG		
6	2	SE	1.4	MSKG		
6	2	SO4	139	MSKG		
6	2	TOTRAD	12	PC161		
6	2	TRITIUM	17	PC161		
6	3	111TCE	240	USKG	YES	
6	3	ALPHAG	34	PC161		
6	3	AS	22.3	MSKG		
6	3	BA	536	MSKG		
6	3	BETAG	23	PC165		
6	3	CU	32.5	MSKG		
6	3	MN	62.9	MSKG		
6	3	NI	19.9	MSKG	YES	
6	3	NO3	6.7	MSKG		

AREA ASH BASIN
 SAVANNAH RIVER PLANT
 CONSTITUENTS ABOVE BACKGROUND

Core	Sample#	Test	Result	Units	EXCEEDS BACKGROUND	(OPEN ENTRIES INDICATE NO ESTABLISHED BACKGROUND)
6	3	PO4	519	MGKG		
6	3	SE	3.7	MGKG		
6	3	SD4	608	MGKG		
6	3	TOTRAD	20	PC161		
6	3	TRITIUM	14	PC1M1		
6	4	LIITCE	9	UGKG	YES	
6	4	ALPHA6	35	PC161		
6	4	AS	25.4	MGKG		
6	4	BA	620	MGKG		
6	4	BETA6	27	PC165		
6	4	CU	28.1	MGKG	YES	
6	4	MN	54.4	MGKG		
6	4	NI	18.2	MGKG	YES	
6	4	NO3	1.6	MGKG		
6	4	PO4	486	MGKG		
6	4	SE	2.4	MGKG		
6	4	SD4	607	MGKG		
6	4	TOTRAD	17	PC161		
6	4	TRITIUM	26	PC1M1		
6	5	ALPHA6	27	PC169		
6	5	AS	8.6	MGKG		
6	5	BA	481	MGKG		
6	5	BETA6	34	PC165		
6	5	CU	32.1	MGKG	YES	
6	5	MN	74.2	MGKG		
6	5	NI	15.9	MGKG	YES	
6	5	NO3	1.5	MGKG		
6	5	PO4	462	MGKG		
6	5	SE	2.7	MGKG		
6	5	SD4	791	MGKG		
4	5	TOTRAD	20	PC161		
6	5	TRITIUM	12	PC1M1		

APPENDIX F-2

**QUARTERLY GROUNDWATER DATA from
K-AREA ASH BASIN
KAB MONITOR WELLS**

K-AREA ASH BASIN MONITOR WELLS

	Water Depth (feet)	pH	Specific Cond. (UMHO)	Sulfate (UG/L)	Iron (UG/L)	TOC (UG/L)	Nickel (UG/L)	Chromium (UG/L)	Arsenic (UG/L)	Barium (UG/L)	Cadmium (UG/L)	Lead (UG/L)	Mercury (UG/L)	Selenium (UG/L)	Silver (UG/L)	Endrin (UG/L)	Lindane (UG/L)	Methoxychlor (UG/L)	Toxaphene (UG/L)
DW Stand.	6.5-8.5			250000	300			50	50	1000	10	50	2	10	50	0.2	4	100	5
RCRA(AIX)							50	70	500	20	40	40	2	750	70	0.1		2	
SRS Blvd.	5.2-6.3	50	5-10000	25			<4.0	<4.0	<1.0	25	<2.0	10 to 15	<0.20	<2.0	<2.0				
KAB-1																			
1/86	58.40	5.40	170	62000	562	2000													
2/86	58.00	5.40	170					-4		31									-40
3/86	57.42	5.82	214	73000		-1000													
4/86	56.39	5.30	230																
1/87	55.63	6.20	245	67000	7250	-1000	-4	-4	-2	49	-2	-6	-0.2	-2	-2				
2/87	53.70	6.20	300																
3/87	52.43	6.80	500	68100	100	2600													
4/87	54.60	5.90	345	101000	3670														
1/88	53.85	5.40	305				11			52				-2					
2/88	54.03	6.50	484																
3/88	55.56	5.80	295	112000	1700														
4/88	55.62	4.80	398																
1/89	57.09	5.40	322	109000	323		15			50				-2					
KAB-2																			
1/86	48.40	5.30	130	18000	37	-1000													-40
2/86	48.00	6.10	445					-4		42									
3/86	47.31	6.50	480	82000		2000													
4/86	48.15	6.50	540																
1/87	48.88	6.70	542	36000	54	3000	-4	-4	-2	32	-2	-6	-0.2	3	-2				
2/87	43.25	6.70	580																
3/87	42.82	6.80	580	109000	54	2100													
4/87	45.14	6.00	154																
1/88	48.20	6.40	470	113000	25		-4			30				-2					
2/88	42.97	6.80	587																
3/88	44.85	6.70	505																
4/88	44.32	6.30	548																
1/89	46.33	6.40	546	104000	24		4			23				-2					

K-AREA ASH BASIN MONITOR WELLS

	Water Depth (feet)	pH	Specific Cond. (UMHO)	Sulfate (UG/L)	Iron (UG/L)	TOC (UG/L)	Nickel (UG/L)	Chromium (UG/L)	Arsenic (UG/L)	Barium (UG/L)	Cadmium (UG/L)	Lead (UG/L)	Mercury (UG/L)	Selenium (UG/L)	Silver (UG/L)	Endrin (UG/L)	Lindane (UG/L)	Methoxychloro (UG/L)	Toxaphene (UG/L)
DW Stand.	6.5-8.5			250000	300			50	50	1000	10	50	2	10	50	0.2	4	100	5
RCRA(AIX)							50	70	500	20	40	40	2	750	70	0.1			
SRS Bkgd.	5.2-6.3		50	5-10000	25		<4.0	<4.0	<1.0	25	<2.0	10 to 15	<0.20	<2.0	<2.0			2	2
KAB-3																			
1/88	44.90	4.20	88	25000	334	-1000													
2/88	45.00	5.40	98					-4		39									-40
3/88	45.17	4.80	1200	18000		-1000													
4/88	44.98	4.10	115																
1/87	43.04	4.80	94	21000	320	-1000	6	-4	-2	18	-2	-6	-0.2	2	-2				
2/87	40.52	5.20	87																
3/87	39.48	5.90	130	17600	180	1400													
4/87	41.58	5.00	143																
1/88	39.31	5.10	160	45000	228		4			48				-2					
2/88	39.37	5.10	160																
3/88	41.79	5.10	194	50400	71														
4/88	41.80	4.80	198																
1/89	43.76	4.80	194	47600	224		10			32				-2					
KAB-4																			
1/88	49.60	5.90	305	107000	442	-1000													-40
2/88	50.00	6.20	355					-4		63									
3/88	48.21	6.40	400	100000		-1000													
4/88	47.86	6.20	482																
1/87	46.84	6.50	542	41000	50	2000	-4	-4	-2	87	-2	-6	-0.2	-2	-2				
2/87	44.45	6.70	580																
3/87	43.71	7.00	620	37800	35	1800													
4/87	45.72	6.70	657																
1/88	44.53	6.50	605	68000	43		-4			101				-2					
2/88	44.86	6.60	692																
3/88	46.53	6.80	610	61400	11														
4/88	46.77	6.50	635																
1/89	48.06	6.50	692	75400	33		-4			92				-2					

APPENDIX F-3

**GRAPHS of QUARTERLY DATA
for KAB WELLS**

**pH
SULFATE
SPECIFIC CONDUCTIVITY
IRON**

KAB WELL SERIES SULFATE

KAB WELL SERIES IRON

APPENDIX F-4

**ASH ANALYSIS
AUGUST 1983**

Attachment 1

LAW ENGINEERING TESTING COMPANY
geotechnical, environmental & construction materials consultants
2749 DELK ROAD, S.E.
MARIETTA, GEORGIA 30067
(404) 952-9005

October 4, 1983

E.I. DuPont de Nemours & Company
Savannah River Plant
Aiken, South Carolina 29808-0001

Attention: Jerry Hardin

Dear Mr. Hardin:

Chemical testing for the identification of hazardous wastes has been completed on the five ash samples collected by Law Engineering from the Savannah River Plant on August 25, 1983. The results are presented on the enclosed five reports and below.

The flash points of all five samples, labelled A, D, H, K, and P Areas, were all greater than 550°F. A waste is a hazardous waste if it has a flash point of less than 140°F.

If you have any questions or I can be of further assistance, please do not hesitate to contact me at your convenience.

Yours truly,

LAW ENGINEERING TESTING COMPANY

James M. Maroncelli

James M. Maroncelli
Chemistry Laboratory Manager

Job Number: MY 3763
Lab Number: 83-08-26-01 through 05

TOXICITY

LETCo Job Number: MY 3765

LETCo Laboratory Number: 83-08-26-01

Client Identification: A Area

Extraction and analyses were performed according to the procedures specified in the May 19, 1980, Federal Register, Part III, Identification and Testing of Hazardous Waste.

<u>Contaminant</u>	<u>Extract Level</u> (mg/l)	
	<u>Upper Limit</u> <u>Allowed</u>	<u>Result</u> <u>Obtained</u>
Arsenic	5.0.	<0.1
Barium	100.	<1.
Cadmium	1.0	<0.05
Chromium	5.0	<0.1
Lead	5.0	<0.2
Mercury	0.2	<0.001
Selenium	1.0	<0.2
Silver	5.0	<0.05
Endrin	0.02	<0.00003
Lindane	0.40	<0.000008
Methoxychlor	10.0	<0.0003
Toxaphene	0.30	<0.0012
2,4-D	10.0	<0.0052
2,4,5-TP Silvex	1.0	<0.0001

TOXICITY

LETCo Job Number: MY 3765

LETCo Laboratory Number: 83-08-26-02

Client Identification: D Area

Extraction and analyses were performed according to the procedures specified in the May 19, 1980, Federal Register, Part III, Identification and Testing of Hazardous Waste.

<u>Contaminant</u>	<u>Extract Level</u> <u>(mg/l)</u>	
	<u>Upper Limit</u> <u>Allowed</u>	<u>Result</u> <u>Obtained</u>
Arsenic	5.0.	<0.1
Barium	100.	1.6
Cadmium	1.0	<0.05
Chromium	5.0	<0.1
Lead	5.0	<0.2
Mercury	0.2	<0.001
Selenium	1.0	<0.2
Silver	5.0	<0.05
Endrin	0.02	<0.00003
Lindane	0.40	<0.000008
Methoxychlor	10.0	<0.0003
Toxaphene	0.50	<0.0012
2,4-D	10.0	<0.0052
2,4,5-TP Silvex	1.0	<0.0001

TOXICITY

LETCo Job Number: MY 3765

LETCo Laboratory Number: 83-08-26-03

Client Identification: H Area

Extraction and analyses were performed according to the procedures specified in the May 19, 1980, Federal Register, Part III, Identification and Testing of Hazardous Waste.

<u>Contaminant</u>	<u>Extract Level</u> (mg/l)	
	<u>Upper Limit</u> <u>Allowed</u>	<u>Result</u> <u>Obtained</u>
Arsenic	5.0.	<0.1
Barium	100.	<1.
Cadmium	1.0	<0.05
Chromium	5.0	<0.1
Lead	5.0	<0.2
Mercury	0.2	<0.001
Selenium	1.0	<0.2
Silver	5.0	<0.05
Endrin	0.02	<0.00003
Lindane	0.40	<0.000008
Methoxychlor	10.0	<0.0003
Toxaphene	0.50	<0.0012
2,4-D	10.0	<0.0052
2,4,5-TP Silvex	1.0	<0.0001

TOXICITY

LETCo Job Number: MY 3765

LETCo Laboratory Number: 83-08-26-04

Client Identification: K Area

Extraction and analyses were performed according to the procedures specified in the May 19, 1980, Federal Register, Part III, Identification and Testing of Hazardous Waste.

<u>Contaminant</u>	<u>Extract Level</u> <u>(mg/l)</u>	
	<u>Upper Limit</u> <u>Allowed</u>	<u>Result</u> <u>Obtained</u>
Arsenic	5.0.	<0.1
Barium	100.	<1.
Cadmium	1.0	<0.05
Chromium	5.0	<0.1
Lead	5.0	<0.2
Mercury	0.2	<0.001
Selenium	1.0	<0.2
Silver	5.0	<0.05
Endrin	0.02	<0.00003
Lindane	0.40	<0.000008
Methoxychlor	10.0	<0.0003
Toxaphene	0.50	<0.0012
2,4-D	10.0	<0.0052
2,4,5-TP Silvex	1.0	<0.0001

TOXICITY

LETCo Job Number: MY 3765

LETCo Laboratory Number: 83-08-26-05

Client Identification: P Area

Extraction and analyses were performed according to the procedures specified in the May 19, 1980, Federal Register, Part III, Identification and Testing of Hazardous Waste.

<u>Contaminant</u>	<u>Extract Level (mg/l)</u>	
	<u>Upper Limit Allowed</u>	<u>Result Obtained</u>
Arsenic	5.0.	<0.1
Barium	100.	<1.
Cadmium	1.0	<0.05
Chromium	5.0	<0.1
Lead	5.0	<0.2
Mercury	0.2	<0.001
Selenium	1.0	<0.2
Silver	5.0	<0.05
Endrin	0.02	<0.00003
Lindane	0.40	<0.000008
Methoxychlor	10.0	<0.0003
Toxaphene	0.50	<0.0012
2,4-D	10.0	<0.0052
2,4,5-TP Silvex	1.0	<0.0001

APPENDIX F-5

**ASH ANALYSIS
SUMMER 1984**

TABLE 1

SUMMER 1984

EP Toxicity Test Data - Sample 1
P-Area Ash Sample Leachate

<u>Contaminant</u>	<u>Extract Level</u> (mg/l unless otherwise noted)	
	<u>Upper Limit</u> <u>Allowable*</u>	<u>Result</u> <u>Obtained</u>
Ammonia	-	<.01
Nitrate	1000.0	<.01
Chloride	250.0**	.34
Sulfate	250.0**	5.3
Arsenic	5.0	<.01
Barium	100.0	.33
Cadmium	1.0	.008
Chromium (Total)	5.0	<.05
Chromium (Hexavalent)	5.0	<.05
Copper	1.0**	.02
Iron	0.3**	<.05
Fluoride	140.0 - 240.0	<.1
Lead	5.0	<.05
Manganese	0.05**	<.05
Mercury	0.2	<.0002
Molybdenum	-	<.1
Selenium	1.0	<.05
Silver	5.0	<.002
Sodium	-	2.1
Vanadium	-	<.05
Zinc	5.0**	.55
Gross Alpha	15 pCi/l	
Gross Beta	4 millirem/yr	
Radium-226, Radium-228	5 pCi/l	
pH	6.5 - 8.5	6.4
Conductance	-	72 mhos/cm
Total Organic Carbon	-	21 mg/l

*Upper limit listed is 100 times EPA Primary Drinking Water Standard. (US EPA, 1980, Hazardous Waste Management System, Part VII. EPA Interim primary drinking water standards. Appendix III, Federal Register, May 19, 1980.)

**Indicates Secondary Maximum Contaminant Levels; U.S. Environmental Protection Agency, 1981, EPA National Secondary Drinking Water Regulations. 40 CFR 143; 44 FR 42198, July 19, 1979, Effective January 19, 1981.

Methods: EPA SW-846 and EPA 600/4-79-020; EP by method 1310; radioactivity by methods in EPA 600/4-75-008.

Note: For pH, specific conductance, and TOC distilled water with no pH adjustment was used in EP extraction.

DRAFT
8-23-84

TABLE 2

SUMMER 1984

EP Toxicity Test Data - Sample 2
P-Area Ash Sample Leachate

<u>Contaminant</u>	<u>Extract Level</u> <u>(mg/l)</u>	
	<u>Upper Limit</u> <u>Allowed</u>	<u>Result</u> <u>Obtained</u>
Arsenic	5.0	<0.1
Barium	100.0	<1.
Cadmium	1.0	<0.05
Chromium	5.0	<0.1
Lead	5.0	<0.2
Mercury	0.2	<0.001
Selenium	1.0	<0.2
Silver	5.0	<0.05
Endrin	0.02	<0.00003
Lindane	0.40	<0.000008
Methoxychlor	10.0	<0.0003
Toxaphene	0.50	<0.0012
2,4-D	10.0	<0.0052
2,4,5-TP Silvex	1.0	<0.0001

Reference: Law Engineering Testing Company, October 4, 1983
Laboratory No. 83-08-26-05

Note: Extraction and analyses were performed according to the procedures specified in the May 19, 1980, Federal Register, Part III, Identification and Testing of Hazardous Waste.

DRAFT
8-23-84

APPENDIX F-6

**ASH ANALYSIS
1985**

1985

TABLE 1
EP Toxicity Test Data
D-Area Ash Sample Leachate
FLY ASH

<u>Parameter</u>	<u>Extract Level</u> (mg/l unless otherwise noted)	
	<u>Upper Limit Allowable*</u>	<u>Result Obtained</u>
Ammonia-N	-	<0.01
Nitrate-N	1000.0	0.30
Chloride	250.0**	11
Sulfate	250.0**	7
Arsenic	5.0	<0.01
Barium	100.0	1.2
Cadmium	1.0	0.007
Chromium (Total)	5.0	<0.05
Chromium (Hexavalent)	5.0	<0.05
Copper	1.0**	<0.05
Iron	0.3**	<0.05
Fluoride	140.0 - 240.0	0.21
Lead	5.0	<0.01
Manganese	0.05**	0.08
Mercury	0.2	<0.0002
Molybdenum	-	<0.05
Selenium	1.0	<0.05
Silver	5.0	<0.002
Sodium	-	2.5
Vanadium	-	<0.05
Zinc	5.0**	0.34
Gross Alpha	15 pCi/l	<2pCi/l
Gross Beta	4 millirem/yr	<3pCi/l
Radium-226,	5 pCi/l	<0.6pCi/l
Radium-228	5 pCi/l	<1.0pCi/l
pH	6.5 - 8.5 units	6.5 units
Specific Conductance	-	55 μ mhos/cm @25°C
Total Organic Carbon	-	14

*Upper limit listed is 100 times EPA Primary Drinking Water Standard. (US EPA, 1980, Hazardous Waste Management System, Part VII. EPA Interim primary drinking water standards. Appendix III, Federal Register, May 19, 1980.)

**Indicates Secondary Maximum Contaminant Levels; U.S. Environmental Protection Agency, 1981, EPA National Secondary Drinking Water Regulations. 40 CFR 143; 44 FR 42198, July 19, 1979, Effective January 19, 1981.

Methods: EPA SW-846 and EPA 600-4-79-020; EP by method 1310; radioactivity by methods in EPA 600-4-75-008.

Note: For pH, specific conductance, and TOC, distilled water with no pH adjustment was used in EP extraction.

TABLE 2
EP Toxicity Test Data
D-Area Ash Sample Leachate
Coal Mill Reject

Parameter	Extract Level (mg/l unless otherwise noted)	
	Upper Limit Allowable*	Result Obtained
Ammonia-N	-	0.02
Nitrate-N	1000.0	0.77
Chloride	250.0**	14
Sulfate	250.0**	290
Arsenic	5.0	<0.01
Barium	100.0	0.06
Cadmium	1.0	<0.05
Chromium (Total)	5.0	<0.05
Chromium (Hexavalent)	5.0	<0.05
Copper	1.0**	<0.05
Iron	0.3**	21
Fluoride	140.0 - 240.0	0.12
Lead	5.0	<0.01
Manganese	0.05**	0.90
Mercury	0.2	<0.0009
Molybdenum	-	<0.05
Selenium	1.0	<0.05
Silver	5.0	<0.002
Sodium	-	1.6
Vanadium	-	<0.05
Zinc	5.0**	0.06
Gross Alpha	15 pCi/l	<2pCi/l
Gross Beta	4 millirem/yr	<3pCi/l
Radium-226,	5 pCi/l	<0.6pCi/l
Radium-228		<1.0pCi/l
pH	6.5 - 8.5 units	3.9 units
Specific Conductance	-	550 μ mhos/cm @25°C
Total Organic Carbon	-	5.1

*Upper limit listed is 100 times EPA Primary Drinking Water Standard. (US EPA, 1980, Hazardous Waste Management System, Part VII. EPA Interim primary drinking water standards. Appendix III, Federal Register, May 19, 1980.)

**Indicates Secondary Maximum Contaminant Levels; U.S. Environmental Protection Agency, 1981, EPA National Secondary Drinking Water Regulations. 40 CFR 143; 44 FR 42198, July 19, 1979, Effective January 19, 1981.

Methods: EPA SW-846 and EPA 600-4-79-020; EP by method 1310; radioactivity by methods in EPA 600-4-75-008.

Note: For pH, specific conductance, and TOC, distilled water with no pH adjustment was used in EP extraction.

TABLE 3
EP Toxicity Test Data - Sample 2
D-Area Ash Sample Leachate

<u>Contaminant</u>	<u>Extract Level (mg/l)</u>	
	<u>Upper Limit Allowed*</u>	<u>Result Obtained</u>
Arsenic	5.0	<0.01
Barium	100.0	1.6
Cadmium	1.0	<0.05
Chromium	5.0	<0.1
Lead	5.0	<0.2
Mercury	0.2	<0.001
Selenium	1.0	<0.2
Silver	5.0	<0.05
Endrin	0.02	<0.00003
Lindane	0.40	<0.000008
Methoxychlor	10.0	<0.0003
Toxaphene	0.50	<0.0012
2,4-D	10.0	<0.0052
2,4,5-TP Silvex	1.0	<0.0001

Reference: Law Engineering and Testing Company, October 4, 1983
Laboratory No. 83-08-26-02.

*Upper limit listed is 100 times EPA Primary Drinking Water Standard. (US EPA, 1980, Hazardous Waste Management System, Part VII. EPA Interim primary drinking water standards. Appendix III, Federal Register, May 19, 1980.)

Note: Extraction and analyses were performed according to the procedures specified in the May 19, 1980, Federal Register, Part III, Identification and Testing of Hazardous Waste.

APPENDIX F-7

**ASH ANALYSIS
MARCH 1989**

Normandeau Associates, Inc.
P.O. Box 1393
Aiken, SC 29802
(803) 652-2206
(803) 652-7428 (Fax)

TWM ECS / NORMANDEAU ASSOCIATES

Client: SRP - Mike Hughes

Date: March 22, 1989

Page 1 of 5

F-Area Ash Basin

288-1F

Project No.: 10091.00

Collected by/date: NAI / 2-15-89 FINAL REPORT

Date Received: 2-15-89

Method 625 - Polynuclear Aromatic Hydrocarbons

SAMPLE ID	FAB1-1-03	FAB1-2-03	FAB1-3-03	FAB1-3-07
NAI ID	F02203	F02214	F02230	F02234
	ug/kg	ug/kg	ug/kg	ug/kg
Naphthalene	<334	<334	<334	<334
Acenaphthylene	<334	<334	<334	<334
Acenaphthene	<334	<334	<334	<334
Fluorene	<334	<334	<334	<334
Anthracene	<334	<334	<334	<334
Phenanthrene	<334	<334	<334	<334
Fluoranthene	<334	<334	<334	<334
Pyrene	<334	<334	<334	<334
Chrysene	<334	<334	<334	<334
Benzo(a)anthracene	<334	<334	<334	<334
Benzo(b)fluoranthene	<334	<334	<334	<334
Benzo(k)fluoranthene	<334	<334	<334	<334
Benzo(a)pyrene	<334	<334	<334	<334
Indeno(1,2,3-c,d) pyrene	<1665	<1665	<1665	<1665

Approved by:

Robert D. Downing
Robert D. Downing

Laboratory Manager

Henry J. Kauer
Henry J. Kauer, Ph.D.

Laboratory Director

HJK/lm

Aiken, SC
Greenville, SC
Bedford, NH

Hampton, NH
Williston, VT
Yarmouth, ME

Peekskill, NY
LeClaire, IA
Toms River, NJ

Client: SRP - Mike Hughes

Date: March 22, 1989

Page 2 of 5

Project No.: 1009T.00

Collected by/date: NAI / 2-15-89

Date Received: 2-15-89

TOTAL METALS

SAMPLE ID	FAB1-1-01	FAB1-1-02	FAB1-1-03	FAB1-1-04	FAB1-1-05	FAB1-1-06	FAB1-1-09	FAB1-1-10	FAB1-1-
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/kg
								Rinseate	
								H2O	
NAI ID	F02201	F02202	F02203	F02204	F02205	F02206	F02207	F02209	F02210
Arsenic	9.71	12.8	6.68	2.06	5.09	1.05	31.1	0.102	14.1
Barium	121	121	163	3.52	3.18	3.84	134	0.658	1.1
Cadmium	<0.5	<0.5	1.05	<0.5	<0.5	<0.5	0.861	<0.01	0.8
Chromium	7.98	6.67	19.6	14.9	78.4	38.4	11.6	0.048	37.1
Copper	19.6	15.5	23.3	3.41	1.51	4.44	21.1	0.083	21.1
Iron	7660	6530	16600	31800	21000	27600	9330	31.9	4350
Lead	6.32	6.48	14.2	10.8	32.5	12.6	9.80	0.052	19.1
Manganese	24.3	34.5	25.5	3.50	2.83	3.10	24.4	0.0923	27.1
Mercury	0.079	0.028	0.076	0.057	0.075	<0.02	0.042	0.00048	0.0
Nickel	10.8	9.72	11.0	<2	<2	<2	12.4	<0.05	11.1
Selenium	1.15	0.965	0.372	<0.3	<0.3	<0.3	1.29	<0.006	1.1
Silver	<0.03	<0.03	<0.03	<0.03	0.0458	<0.03	<0.03	<0.0005	<0.0
Sodium	65.7	86.0	122	3.56	<3	8.64	112	1.56	86.0
Uranium	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<0.02	<2.0
Zinc	7.21	7.41	11.0	8.69	16.4	4.94	9.51	0.063	10.1

SAMPLE ID	FAB1-2-02	FAB1-2-03	FAB1-2-04	FAB1-2-09	FAB1-2-10	FAB1-3-01	FAB1-3-02	FAB1-3-03	FAB1-3-
	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg
					Rinseate				
					H2O				
NAI ID	F02213	F02214	F02215	F02216	F02218	F02228	F02229	F02230	F02231
Arsenic	3.46	3.92	1.20	2.94	0.0037	9.97	3.40	2.43	0.2
Barium	4.12	4.24	1.51	4.64	0.0188	3.86	2.12	3.10	2.1
Cadmium	<0.5	<0.5	<0.5	<0.5	<0.01	<0.5	<0.5	<0.5	<0.5
Chromium	43.7	16.6	43.7	14.1	0.047	15.9	9.86	14.7	2.1
Copper	<0.3	3.04	8.62	1.99	0.012	2.42	2.79	3.20	2.1
Iron	79500	22900	34300	14800	19.6	10900	9990	11800	27300
Lead	24.1	14.3	12.8	12.4	0.0110	8.08	5.71	9.49	22.1
Manganese	23.1	4.44	15.9	3.18	0.0111	4.44	2.97	6.74	1.1
Mercury	<0.02	0.041	0.025	0.038	0.00033	0.028	<0.02	<0.02	<0.0
Nickel	<2	<2	2.38	<2	<0.05	<2	<2	<2	<2
Selenium	0.642	0.761	<0.3	0.633	<0.006	<0.3	<0.3	<0.3	<0.3
Silver	0.0562	0.0457	<0.03	0.0332	<0.0005	<0.03	<0.03	<0.03	<0.0
Sodium	4.19	<3	<3	21.8	260	<3	<3	<3	<3
Uranium	<2	<2.0	<2.0	<2.0	<0.02	<2.0	<2.0	<2.0	<2.0
Zinc	8.47	4.48	9.13	3.37	0.088	3.12	3.00	3.61	4.1

Approved by:

Robert D. Downing

Laboratory Manager

Henry J. Kania, Ph.D.

Laboratory Director

HJK/lm

Client: SRP - Mike Hughes

Date: March 22, 1989

Project No.: 10091.00

Page 3 of 5

Collected by/date: NAI / 2-15-89

Date Received: 2-15-89

EP Toxicity Metals:

SAMPLE ID		FAB1-1-01	FAB1-1-03	FAB1-2-01	FAB1-2-03	FAB1-3-01	FAB1-3-03
NAI ID		F02201	F02203	F02212	F02214	F02228	F02230
As	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ba	mg/L	<0.05	0.093	<0.05	<0.05	<0.05	<0.05
Cd	mg/L	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Cr	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Pb	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Hg	mg/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Se	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ag	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

SAMPLE ID	NAI ID	Cyanide mg/kg	Fluoride mg/kg	Nitrate mgN/kg	Total Phosphate mgP/kg	Sulfate mgSO4/kg	% Solids %
FAB1-1-01	F02201	<1.2	<2	3.78	126	53.3	75.73
FAB1-1-02	F02202	<1.2	<2	0.58	115	64.4	74.98
FAB1-1-03	F02203	<1.2	<2	<0.4	296	105	73.17
FAB1-1-04	F02204	<1.2	<2	1.36	81.6	93.9	83.91
FAB1-1-05	F02205	<1.2	<2	0.44	112	47.2	78.81
FAB1-1-06	F02206	<1.2	2.53	1.99	59.4	<34	76.92
FAB1-1-09	F02207	<1.2	<2	<0.4	296	81.1	63.32
FAB1-2-01	F02212	<1.2	<2	<0.4	323	70.5	76.38
FAB1-2-02	F02213	<1.2	<2	1.57	55.4	<34	79.33
FAB1-2-03	F02214	<1.2	<2	0.86	56.9	35.1	79.20
FAB1-2-04	F02215	<1.2	<2	0.83	65.8	<34	83.42
FAB1-2-09	F02216	<1.2	<2	1.86	56.3	<34	77.43
FAB1-3-01	F02228	<1.2	<2	<0.4	53.8	<34	82.31
FAB1-3-02	F02229	<1.2	<2	7.06	45.6	<34	81.90
FABA-3-03	F02230	<1.2	<2	1.07	58.7	37.9	85.57
FAB1-3-04	F02231	<1.2	<2	1.14	54.3	<34	79.19
FAB1-3-05	F02232	<1.2	<2	1.26	62.6	<34	79.06
FAB1-3-06	F02233	<1.2	<2	1.18	86.9	<34	79.13
FAB1-3-07	F02234	<1.2	<2	2.38	122	41.6	80.35
FAB1-3-09	F02235	<1.2	<2	1.46	72.5	<34	79.52

Approved by:

Robert D. Downing
Robert D. Downing

Laboratory Manager

Henry J. Kania
Henry J. Kania, Ph.D.

Laboratory Director

NJK/Em

Client: SRP - Mike Hughes
 Date: March 22, 1989
 Project No.: 10091.00
 Sample type: soil
 Collected by/date: NAI / 2-15-89
 Date Received: 2-15-89

Page 4 of 5

Method 624 - Volatile Organics

SAMPLE ID	FAB1-2-01	FAB1-2-02	FAB1-2-03	FAB1-2-04
NAI ID	F02220	F02222	F02224	F02226
	ug/kg	ug/kg	ug/kg	ug/kg
Benzene	<12.5	<12.5	<12.5	<12.5
Bromodichloromethane	<12.5	<12.5	<12.5	<12.5
Bromoform	<12.5	<12.5	<12.5	<12.5
Bromomethane	<25.0	<25.0	<25.0	<25.0
Carbon Tetrachloride	<12.5	<12.5	<12.5	<12.5
Chlorobenzene	<12.5	<12.5	<12.5	<12.5
Chloroethane	<25.0	<25.0	<25.0	<25.0
Chloroform	<12.5	<12.5	<12.5	<12.5
Chloromethane	<25.0	<25.0	<25.0	<25.0
Dibromochloromethane	<12.5	<12.5	<12.5	<12.5
1,2-Dichlorobenzene	<12.5	<12.5	<12.5	<12.5
1,4-Dichlorobenzene	<12.5	<12.5	<12.5	<12.5
1,1-Dichloroethane	<12.5	<12.5	<12.5	<12.5
1,2-Dichloroethane	<12.5	<12.5	<12.5	<12.5
1,1-Dichloroethylene	<12.5	<12.5	<12.5	<12.5
trans-1,2-Dichloroethylene	<12.5	<12.5	<12.5	<12.5
Dichloromethane	<12.5	<12.5	<12.5	<12.5
1,2-Dichloropropane	<12.5	<12.5	<12.5	<12.5
trans-1,3-Dichloropropane	<12.5	<12.5	<12.5	<12.5
Ethylbenzene	<12.5	<12.5	<12.5	<12.5
Toluene	<12.5	<12.5	<12.5	<12.5
1,1,2,2-Tetrachloroethane	<12.5	<12.5	<12.5	<12.5
Tetrachloroethane	<12.5	<12.5	<12.5	<12.5
1,1,1-Trichloroethane	<12.5	<12.5	<12.5	<12.5
1,1,2-Trichloroethane	<12.5	<12.5	<12.5	<12.5
Trichloroethane	<12.5	<12.5	<12.5	<12.5
Trichlorofluoromethane	<12.5	<12.5	<12.5	<12.5
Vinyl chloride	<50.0	<50.0	<50.0	<50.0

Approved by:

Robert D. Deaning
 Robert D. Deaning

Laboratory Manager

Henry J. Kania
 Henry J. Kania, Ph.D.

Laboratory Director

HJK/lm

the overall sampling program. In this capacity, a Technical Quality Assurance oversight will document that the applicable protocols for drilling, sample collection, and sample handling are followed. The Technical QA oversight may be onsite as necessary during sampling.

Drilling oversight will consist of geologic soil sample description, documentation of field activities associated with drilling, and daily reporting of activities to SRP personnel. The drilling subcontractor will be responsible for performing split spoon sampling, drilling, and borehole abandonment.

A representative of the laboratory will be onsite to document, process, and ship all samples and will be responsible for following all protocol. The laboratory will be responsible for sample analyses and all necessary quality assurance and quality control (QA/QC) requirements.

1.4 SAMPLE IDENTIFICATION PROTOCOL

In order to remain consistent with sample identification procedures established during previous sampling tasks, samples collected during this program are identified as follows:

FAB1-1-01:

Area/Location Code: FAB1, F Area Ash Basin Number 1
Boring Location Code: 1, Boring Number 1
Depth Sequence: 01

Sample collection depths correlate to sequence numbers as follows:

Feet	Sequence Number/Code
Surface	SS
0.0 - 2.0	01
2.0 - 4.0	02
4.0 - 6.0	03
6.0 - 8.0	04
8.0 - 10.0	05
10.0 - 13.0	06
13.0 - 16.0	07
16.0 - 20.0	08

APPENDIX F-8

ASH ANALYSIS

MAY AND JUNE 1989

<APPLE - IZE * APPLE - IZE>

04 August 1989

To: D. R. [REDACTED]

From: E. A. Campbell, P.E., 703-A, (5-2037)

SUBJECT: EPD-PED-890695, (ATTACHED)

The information attached to subject memo raises some questions. The 3 major ones are:

- 1-Whereas the presence of benzene may be "highly uncharacteristic for ash"; the hit on 2 samples out of 4 forces consideration of the possibility: Is it really there ?
It appears that resolution/verification can only be made by additional sampling/analysis.
- 2-The possible presence of benzene raises the possibility of some raw coal having been put in the ash. Can this be effectively proven or disproven ?
- 2-No mention is made of the 2180 ppb anthracene hit from the sample ID'd as "H-Area....F06417". Is it really there ?
This should be addressed by confirmation analyses to prove or disprove, (with acceptable statistical validity) the presence or absence of the constituent.

The results will be forwarded to DOE or SCDHEC when these questions are satisfactorily answered.

cc:CRS

WESTINGHOUSE SAVANNAH RIVER COMPANY
INTER-OFFICE MEMORANDUM

August 1, 1989

EPD-PED-890695

To: E. A. Campbell, 703-A

From: D. R. Earnhart, 777-10A *DREarnhart*

A-AREA AND H-AREA POWERHOUSE ASH ANALYSIS RESULTS

On May 9, ash samples were secured from the powerhouse ash silo at 784-A and the H-Area ash basin (288-H). These ash samples were analyzed for EP Toxicity, PAH, and VOC. The results are presented in Attachment 1.

EPA Method 624 analysis (VOC) indicated a high level of benzene in both the A-Area and H-Area ash (15.3 ppm and 4.17 ppm, respectively). This level of benzene is highly uncharacteristic for ash. For this reason, the ash was resampled on June 29 and analyzed for VOC to confirm or refute the previous finding of elevated benzene levels. The sample from 288-H was taken from the same location as the first sample. The A-Area sample was taken from the A-Area ash pile (788-2A) since 784-A powerhouse was not in operation on the resampling date. These results are presented in Attachment 2.

The latest results show no VOC's detectable to a level of 125 ppb. It is felt that the samples were contaminated either during the sampling process (benzene on tools or receptacles) or during laboratory analysis.

Please review these results and forward to DOE for their consideration. It is possible that SCDHEC would like to review the EP Toxicity data prior to determining the necessity of a clay cap for closure of the 288-1F ash basin.

CC: C. G. Hardin, 777-10A
D. T. Bignell, 777-10A
T. F. Thome, 777-10A
D. L. Booth, 777-10A
T. W. Griffin, 777-10A
M. R. Hughes, 724-A

ATTACHMENT 1

Normandeau Associates, Inc.
P.O. Box 1393
Aiken, SC 29802
(803) 652-2206
(803) 652-7428 (Fax)

NORMANDEAU ASSOCIATES

Client: SRS - Mike Hughes
Date: June 22, 1989

FINAL REPORT

Project No.: 10398.00
Date collected: 5-9-89
Date Received: 5-9-89

Page 1 of 3

SAMPLE ID	A - Area Silo	H- Area Ash Basin Site 1	H - Area As Basin Site
NAI ID	F06416	F06417	F06418

EP Tox Extraction

As	mg/L	<0.5	<0.5	<0.5
Ba	mg/L	0.174	0.216	0.396
Cd	mg/L	<0.05	<0.05	<0.05
Cr	mg/L	<0.05	<0.05	<0.05
Hg	mg/L	<0.01	<0.01	<0.01
Pb	mg/L	<0.5	<0.5	<0.5
Se	mg/L	<0.5	<0.5	<0.5
Ag	mg/L	<0.05	<0.05	<0.05

Approved by:

Robert D. Downing
Robert D. Downing

Laboratory Manager

Henry J. Kania
Henry J. Kania, Ph. D.

Laboratory Director

HJK/lm

Bedford, NH
Hampton, NH
Williston, VT

Yarmouth, ME
Peekskill, NY
Toms River, NJ

Aiken, SC
Greenville, SC
LeClaire, IA

NORMANDEAU ASSOCIATES

Client: SRS -- Mike Hughes
 Date: June 22, 1989
 Project no. 10398.00
 Sample type: Ash
 Collected 5-9-89
 Method 625

Page 2 of 2

Received at NAI: 5-9-89

Sample ID	A-Area Silo F06416 ug/kg	H-Area Ash Basin Site 1 F06417 ug/kg
NAI ID		
Units		
Naphthalene	< 330	< 330
2-Chloronaphthalene	< 330	< 330
Acenaphthylene	< 330	< 330
Acenaphthene	< 330	< 330
Fluorene	< 330	< 330
Phenanthrene	< 330	< 330
Anthracene	< 330	2180
Fluoranthene	< 330	< 330
Pyrene	< 330	< 330
Benzo(a)anthracene	< 330	< 330
Chrysene	< 330	< 330
Benzo(b)fluoranthene	< 330	< 330
Benzo(k)fluoranthene	< 330	< 330
Benzo(a)pyrene	< 330	< 330
Indeno(1,2,3-cd)pyrene	< 1660	< 1660
Dibenzo(a,h)anthracene	< 660	< 660
Benzo(g,h,i)perylene	< 660	< 660

Approved

Robert D. Downing
 Robert D. Downing

Laboratory Manager

Henry J. Kania
 Henry J. Kania, Ph. D.

Laboratory Director

HJK/lm

NORMANDEAU ASSOCIATES

Client: SRS -- Mike Hughes
 Date: June 22, 1989
 Project no. 10398.00
 Sample type: Ash
 Collected 5-9-89
 Method 624

Page 3 of 3

Sample ID	A-Area Silo	H-Area Ash
NAI ID	F06416	F06417
UNITS	ug/kg	ug/kg
Dicloromethane	< 6250	< 1250
Trichlorofluoromethane	< 6250	< 1250
1,1-Dichloroethane	< 6250	< 1250
1,1-Dichloroethane	< 6250	< 1250
t-1,2Dichloroethane	< 6250	< 1250
1,1,1-Trichloroethane	< 6250	< 1250
Chloroform	< 6250	< 1250
1,2-Dichloroethane	< 6250	< 1250
1,1,1-Trichloroethane	< 6250	< 1250
Carobon Tetrachloride	< 6250	< 1250
Bromodichloromethane	< 6250	< 1250
c-1,3-Dichloropropene	< 6250	< 1250
Trichloroethane	< 6250	< 1250
Benzene	15300	4170
Dibromochloroethane	< 6250	< 1250
t-1,3-Dichloropropene	< 6250	< 1250
1,1,2-Trichloroethane	< 6250	< 1250
Bromoform	< 6250	< 1250
Tetrachloroethane	< 6250	< 1250
1,1,2,2-Tetrachloroethane	< 6250	< 1250
Toluene	< 6250	< 1250
Chlorobenzene	< 6250	< 1250
Ethylbenzene	< 6250	< 1250
m- & p-Xylene	< 6250	< 1250
o-Xylene	< 6250	< 1250
1,3-Dichlorobenzene	< 6250	< 1250
1,2-Dichlorobenzene	< 6250	< 1250
1,4-Dichlorobenzene	< 6250	< 1250

Note: F06416 and F06417 were diluted 500x and 100x respectively due to high concentration of benzene.

Approved by: Robert D. Downing Laboratory Manager

Henry J. Kania Laboratory Director
 Henry J. Kania, Ph. D.

HJK/lm

ATTACHMENT 2

Normandeau Associates, Inc.
P.O. Box 1393
Aiken, SC 29802
(803) 652-2206
(803) 652-7428 (Fax)

TWM NORMANDEAU ASSOCIATES

Client: SRS -- Mike Hughes
Date: July 14, 1989
Project no. 10398.00
Sample type: Ash
Collected by/date: NAI / 6-29-89
Date Received: 6-29-89

Method 624

Sample ID	A-Area Silo	H-Area Ash
NAI ID	F08815	F08814
UNITS	ug/kg	ug/kg
Dicloromethane	<125	<125
Trichlorofluoromethane	<125	<125
1,1-Dichloroethene	<125	<125
1,1-Dichloroethane	<125	<125
t-1,2Dichloroethane	<125	<125
1,1,1-Trichloroethane	<125	<125
Chloroform	<125	<125
1,2-Dichloroethane	<125	<125
1,1,1-Trichloroethane	<125	<125
Carobon Tetrachloride	<125	<125
Bromodichloromethane	<125	<125
c-1,3-Dichloropropene	<125	<125
Trichloroethene	<125	<125
Benzene	<125	<125
Dibromochloromethane	<125	<125
t-1,3-Dichloropropene	<125	<125
1,1,2-Trichloroethane	<125	<125
Bromoform	<125	<125
Tetrachloroethene	<125	<125
1,1,2,2-Tetrachloroethane	<125	<125
Toluene	<125	<125
Chlorobenzene	<125	<125
Ethylbenzene	<125	<125
m- & p-Xylene	<125	<125
o-Xylene	<125	<125
1,3-Dichlorobenzene	<125	<125
1,2-Dichlorobenzene	<125	<125
1,4-Dichlorobenzene	<125	<125

NOTE: Due to the nature of this material, an extraction was required prior to analysis. This results in a higher than normal detection limit.

Approved by:

Robert D. Downing
Robert D. Downing

Laboratory Manager

Henry J. Kania
Henry J. Kania, Ph.D.

Laboratory Director

HJK/kr

Bedford, NH
Hampton, NH
Williston, VT

Yarmouth, ME
Peekskill, NY
LeClaire, IA

Aiken, SC
Greenville, SC
Toms River, NJ

APPENDIX F-9

SUMMARY of ASH BASIN EFFLUENT ANALYSIS

TABLE I

ANALYSES FOR ASH BASIN EFFLUENTS
SPECIFIED BY PTM -24

Titration curve
pH
Suspended solids
Total dissolved solids

Total phosphate
Total Kjeldahl Nitrogen
Total Nitrate Nitrogen
Total Sulfate

TABLE II

SUMMARY OF ASH BASIN EFFLUENT ANALYSES

<u>Area and Sample Set</u>	<u>Sample Date</u>	<u>pH</u>	<u>Susp. Solids ppm</u>	<u>Total Dissolved Solids mg/l</u>	<u>Total Phosphate mg/l</u>	<u>Total Sul- fate mg/l</u>	<u>Total Kjeldahl N. mg/l</u>
<u>D-Area</u>							
Set 1	7/18/78	6.97	1	76	<0.3	84	0.224
Set 2	7/27/78	7.11	1	200	<0.3	95	0.396
Set 3	8/8/78	7.34	27.5	216	<0.3	95	0.171
<u>H-Area</u>							
Set 1	7/20/78	6.77	2	200	<0.3	15	0.339
Set 2	8/1/78	6.50	2	79	<0.3	26	0.171
Set 3	8/10/78	6.42	10	69	<0.3	26	0.283
<u>P-Area</u>							
Set 1	7/25/78	6.70	7	140	<0.3	53	1.02
Set 2	8/3/78	6.33	11	141	<0.3	52	1.02
Set 3	8/14/78	6.16	9	139	<0.3	51	0.85