SOLID WASTE SECTION
DEC 20 1993

92-10
10-4-93

CP&L

Carolina Power & Light Company
PO Box 1551
411 Fayetteville Street Mall
Raleigh NC 27602

DEC 13 1993

File No. 593-6-C

Mr. Bobby Lutfy
North Carolina Department of Environment,
Health, and Natural Resources
Solid Waste Section
P.O. Box 27687
Raleigh, NC 27611-7687

Carmen Johnson
Scanned by | Date 9/26/12 | Doc ID # RCO
92-10

Subject: Shearon Harris Nuclear Power Plant
Solid Waste Permit No. 92-10
Groundwater Monitoring Data

Dear Mr. Lutfy:

In accordance with Solid Waste Permit No. 92-10, for the Shearon Harris Nuclear Power Plant sanitary landfill, enclosed please find the results of the second semi-annual sampling of the groundwater monitoring wells for 1993. The next semi-annual sampling of the groundwater monitoring wells will be in April 1994.

Please contact Mr. J. M. McDowell at (919) 546-6920 if you have any questions or concerns.

Yours very truly,

George J. Oliver, Ph.D.
Manager, Environmental Services

SDS/sds(HNP93.2nd)
Enclosure

92-10

Carolina Power & Light Company

File No.: 527-4

SHEARON HARRIS NUCLEAR POWER PLANT
GROUNDWATER MONITORING DATA
SOLID WASTE PERMIT NO. 92-10

	Well #				
PARAMETER	Well #1	Well #2	Well #3	Well #4	Well #5
Date sampled	10/4/93	10/4/93	10/4/93	10/4/93	10/4/93
pH (units)	8.2	6.2	7.8	7.9	7.5
Specific Conductance, umho/cm	401	126	486	405	385
Arsenic, Total	0.005	0.003	0.003	0.002	0.003
Barium, Total	0.061	0.025	0.087	0.056	0.055
Cadmium, Total	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Chloride	11	14	18	9.4	9.7
Chromium, Total	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Copper, Total	< 0.020	< 0.020	< 0.020	< 0.020	< 0.020
Fluoride	0.10	0.10	0.17	0.19	0.13
Iron, Total	0.16	0.66	< 0.05	0.080	< 0.05
Lead, Total	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Manganese, Total	0.05	0.10	0.22	< 0.02	< 0.02
Mercury, Total	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Nitrate + Nitrite (as N)	0.02	< 0.02	< 0.02	< 0.02	< 0.02
Selenium, Total	< 0.001	< 0.001	< 0.001	0.001	0.001
Silver, Total	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Sulfate	2.1	4.1	41	1.6	27
Zinc, Total	0.020	0.022	0.020	< 0.020	< 0.020
Total Organic Halides	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Dissolved Solids	230	96	290	230	260
Biochemical Oxygen Demand	< 1	2.8	< 1	< 1	< 1
Chemical Oxygen Demand	< 20	< 20	< 20	< 20	< 20
Total Organic Carbon	4.5	7.0	4.7	5.4	3.9

All values are reported in ppm (mg/l) unless otherwise noted.

HNP932.WK3