10/3/94

CP&L

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

File No. 593-6-B

DEC 6 1994

Carmen Johnson

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92-10

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

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 1994. The next semi-annual sampling of the groundwater monitoring wells will be in April 1995.

Please contact Mr. Steve Sollod at (919) 546-7085 if you have any questions or concerns.

Yours very truly,

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

GJO/sds (94-18.sds)
Enclosure

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File No.: 527-4-B

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	10-3-94	10-3-94	10-3-94	10-3-94	10-3-94
pH (units)	7.8	6.0	7.8	7.8	7.6
Specific Conductance, umho/cm	401	106	431	389	444
Arsenic, Total	0.004	0.002	0.003	0.002	0.003
Barium, Total	0.067	0.047	0.140	0.025	0.062
Cadmium, Total	<0.0001	<0.0001	<0.0001	0.0002	<0.0001
Chloride	9.4	12	21	8.4	8.4
Chromium, Total	<0.002	<0.002	<0.002	<0.002	<0.002
Copper, Total	0.002	0.001	0.001	0.002	0.001
Fluoride	0.26	0.11	0.16	0.23	0.26
Iron, Total	0.090	0.74	<0.05	<0.05	<0.05
Lead, Total	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Total	0.09	0.07	0.23	0.02	<0.02
Mercury, Total *	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nitrate + Nitrite (as N)	0.03	<0.02	0.03	0.05	0.10
Selenium, Total	<0.001	<0.001	<0.001	0.001	0.001
Silver, Total	<0.01	<0.01	<0.01	<0.01	<0.01
Sulfate	1.9	7.1	24	1.4	30
Zinc, Total	0.020	0.020	0.050	0.070	0.030
Total Organic Halides	<0.010	<0.010	<0.010	<0.010	<0.010
Total Dissolved Solids	273	108	272	245	318
Biochemical Oxygen Demand	1.6	1.2	2.7	1.3	1.9
Chemical Oxygen Demand	<20	<20	<20	<20	<20
Total Organic Carbon	5.4	2.6	3.6	5.6	4.0

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

Resampling was required for Mercury. Samples were collected on November 14, 1994.

HNP942.WK3

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
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