Carolina Power & Light Company

Technical Services Department

411 Fayetteville Street Mall - P.O. Box 1551
Raleigh, North Carolina 27602

SOLID WASTE SECTION
NOV 17 1992

OCT 30 1992

File: 593-6-C

92-10

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

Carmen Johnson
Scanned by | Date | Doc ID #
RCO
92-10 9/25/12

Dear Mr. Lutfy:

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

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 1992 annual sampling of the groundwater monitoring wells. The sampling was performed on May 26, 1992. Wells #1, #2, and #3 are located near Landfill Area 3, which is the only active area. Wells #4 and #5 are near Landfill Area 2, which is not yet developed. They were sampled to provide background data.

If you have any questions or need additional information, please contact Mr. J. M. McDowell at (919) 546-6920.

Yours very truly,

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

DRE/(92-49.DRE)

Enclosure

SHEARON HARRIS NUCLEAR POWER PLANT

Sanitary Landfill Groundwater Monitoring

May 26, 1992

Water Analysis

Parameter (Units)	Well 1	Well 2	Well 3	Well 4	Well 5
Arsenic, Total (ug/l)	3.	2.	3.	1.	4.
Barium, Total (ug/l)	110.0	28.0	72.0	20.0	41.0
Cadmium, Total (ug/l)	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon, Total Organic (mg/l)	5.7	2.1	2.6	8.7	1.6
Chloride (mg/l)	11.	11.	22.	9.9	9.7
Chromium, Total (ug/l)	3.6	10.	<2	<2	3.4
Specific Conductance (umho/cm)	372.	97.2	459.	391.	534.
Copper, Total (ug/l)	3.8	2.7	2.1	3.2	3.7
Fluoride (mg/l)	0.10	<0.1	0.16	0.24	0.24
Halides, Total Organic (ug/l)	<5	6.8	<5	<5	<5
Iron, Total (mg/l)	0.050	0.13	0.080	0.11	0.060
Lead, Total (ug/l)	<1	<1	<1	<1	<1
Manganese, Total (mg/l)	<0.02	0.07	0.31	0.06	0.02
Mercury, Total (ug/l) MDL Too High	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrate + Nitrite (as N) (mg/l)	<0.02	0.07	0.02	<0.02	0.03
Biochemical Oxygen Demand (mg/l)	<10	<10	<10	<10	<10
Chemical Oxygen Demand (mg/l)	<20	1000	<20	<20	<20
pH, (units)	8.3	6.2	8.0	8.2	8.0
Selenium, Total (ug/l)	<1	<1	<1	<1	<1
Silver, Total (mg/l)	<0.005	<0.005	<0.005	<0.005	<0.005
Solids, Total Dissolved (mg/l)	240	95.	300	240	380
Sulfate (as SO_4) (mg/l)	2.2	8.0	41.	1.6	38.
Zinc, Total (ug/l)	<20	<20	<20	<20	<20

(92-50.DRE)