10-16-97

CP&L

Carolina Power & Light Company
Harris Nuclear Plant
PO Box 165
New Hill NC 27562

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Solid Waste
Section

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

Serial: HNP-97-223

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 Harris Nuclear Plant Sanitary Landfill, enclosed are the results of the second semi-annual sampling of the groundwater monitoring wells for 1997. The wells are next scheduled to be sampled in April 1998.

Please contact Mr. R. T. Wilson at (919) 362-2444 if you have any questions or concerns.

Sincerely,

J. W. Donahue
Director of Site Operations
Harris Plant

MV

Enclosure

Carmen Johnson
Scanned by | Date 9/26/12 | Doc ID #

92-10

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

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	Well #				
PARAMETER	Well #1	Well #2	Well #3	Well #4	Well #5
Date sampled	10/16/97	10/16/97	10/16/97	10/16/97	10/16/97
pH (units)	7.7	5.4	7.5	7.5	7
Specific Conductance, uS/cm	420	98	442	368	320
Arsenic, Total ug/L	4.7	<3.0	<3.0	<3.0	<3.0
Barium, Total ug/L	32	<10.0	66	13	25
Cadmium, Total ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloride mg/L	16	16	23	12	12
Chromium, Total ug/L	<20	<20	<20	<20	<20
Copper, Total ug/L	11	<10.0	14	13	13
Fluoride mg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Iron, Total ug/L	160	810	120	<40	63
Lead, Total ug/L	<2.0	<2.0	<2.0	<2.0	<2.0
Manganese, Total ug/L	11.0	19	74	<10.0	<10.0
Mercury, Total ug/L	<0.2	<0.2	<0.2	<0.2	<0.2
Nitrate + Nitrite (as N) mg/L	0.11	0.05	0.09	<0.05	<0.05
Selenium, Total ug/L	<3.0	<3.0	<3.0	<3.0	<3.0
Silver, Total ug/L	<10.0	<10.0	<10.0	<10.0	<10.0
Sulfate mg/L	<5.0	<5.0	29	<5.0	11
Zinc, Total ug/L	<10.0	<10.0	<10.0	<10.0	<10.0
Total Organic Halides (TOX) mg/L	37	19	27	9.9	30
Total Dissolved Solid (TDS) mg/L	248	98	282	240	202
Biochemical Oxygen Demand (BOD) mg/L	3	<2.0	<2.0	<2.0	<2.0
Chemical Oxygen Demand (COD) mg/L	53	<20.0	<20.0	<20.0	<20.0
Total Organic Carbon (TOC) mg/L	1.8	1.2	<0.7	<0.7	<0.7