4-3-97

CP&L

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

Carmen Johnson

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92-10

MAY 2 8 1997

Serial: HNP-97-119

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

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 first semi-annual sampling of the groundwater monitoring wells for 1997. The wells are next scheduled to be sampled in November 1997.

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

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bc: Ms. B. A. Carter
Mr. L. F. Garner
Ms. E. C. Pulaski
Mr. R. T. Wilson
Harris Licensing File: H-X-230
Nuclear Records

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CAROLINA POWER & LIGHT COMPANY
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	04/03/97	04/03/97	04/03/97	04/03/97	04/03/97
pH (units)	8.6	5.6	7.5	7.7	7.3
Specific Conductance, uS/cm	276	64	422	367	349
Arsenic, Total ug/L	3.86	1.36	3.29	2.76	3.19
Barium, Total ug/L	43.2	24.6	122	18.9	60.5
Cadmium, Total ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloride mg/L	1.6	5.3	8.4	2.7	2.4
Chromium, Total ug/L	2.02	<2.0	<2.0	<2.0	<2.0
Copper, Total ug/L	<1.0	1.89	<1.0	<1.0	<1.0
Fluoride mg/L	0.1	<0.1	0.2	0.2	0.2
Iron, Total ug/L	957	2100	339	244	284
Lead, Total ug/L	<1.0	1.63	<1.0	<1.0	<1.0
Manganese, Total ug/L	<20.0	45.8	224	<20.0	<20.0
Mercury, Total ug/L	<0.2	<0.2	<0.2	<0.2	<0.2
Nitrate + Nitrite (as N) mg/L	<0.02	<0.02	<0.02	<0.02	0.04
Selenium, Total ug/L	<1.0	<1.0	<1.0	<1.0	<1.0
Silver, Total ug/L	<1.0	<1.0	<1.0	<1.0	<1.0
Sulfate mg/L	10.4	14.3	31.4	2.7	23.2
Zinc, Total ug/L	<10.0	<10.0	<10.0	<10.0	<10.0
Total Organic Halides (TOX) mg/L	<0.01	0.01	<0.01	<0.01	<0.01
Total Dissolved Solid (TDS) mg/L	<16	104	304	202	251
Biochemical Oxygen Demand (BOD) mg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Chemical Oxygen Demand (COD) mg/L	<25.0	<25.0	<25.0	<25.0	<25.0
Total Organic Carbon (TOC) mg/L	<1.0	1.2	<1.0	<1.0	<1.0

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