92-10
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CP&L

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

Carmen Johnson
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MAY 5 2000

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

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

Dear Mr. Lufty:

In accordance with Solid Waste Permit No. 92-10, for the Harris Nuclear Plant (HNP) sanitary landfill, enclosed are the results of the first semi-annual sampling of the groundwater monitoring wells for 2000. The wells are next scheduled to be sampled in October 2000.

If you have any questions or need further information, please contact Mr. R. T. Wilson at (919) 362-2444.

Sincerely,

R. J. Duncan II
Plant General Manager
Harris Nuclear Plant

MGW

Enclosure

MAY 2000
Solid Waste Section

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	04/03/00	04/03/00	04/03/00	04/03/00	04/03/00
pH (units)	7.5	5.5	7.7	7.7	7.3
Specific Conductance, uS/cm	677	119	424	367	312
Arsenic, Total ug/L	4.3	<1.0	1.8	1.5	1.6
Barium, Total ug/L	110	43	150	17	66
Cadmium, Total ug/L	<0.5	0.6	<0.5	<0.5	<0.5
Chloride mg/L	27	21	20	9.8	5.7
Chromium, Total ug/L	<20	<20	<20	<20	<20
Copper, Total ug/L	1.8	4.1	1.5	1.0	1.0
Fluoride mg/L	0.17	0.11	0.22	0.21	0.18
Iron, Total ug/L	56	2500	220	68	<40
Lead, Total ug/L	<2.0	11	<2.0	<2.0	<2.0
Manganese, Total ug/L	279	124	117	<10	<10
Mercury, Total ug/L	<0.2	<0.2	<0.2	<0.2	<0.2
Nitrate + Nitrite (as N) mg/L	<0.02	0.18	0.05	0.03	<0.02
Selenium, Total ug/L	1.1	<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	<2.0	6.2	25	2.1	8.0
Zinc, Total ug/L	25	38	70	28	100
Total Organic Halides (TOX) ug/L	110	27	25	6.5	<5.0
Total Dissolved Solid (TDS) mg/L	419	112	260	225	196
Biochemical Oxygen Demand (BOD) mg/L	<2	<2	<2	<2	<2
Chemical Oxygen Demand (COD) mg/L	48	30	<20	<20	<20
Total Organic Carbon (TOC) mg/L	11	6.1	1.0	1.4	1.6