92-10
4-1-99

Carmen Johnson

Fac/Perm/Co ID # 92-10 | Date 9/26/12 | Doc ID#

CP&L

Carolina Power & Light Company
Harris Nuclear Plant
P.O. Box 165
New Hill NC 27562

SERIAL: HNP-99-096

MAY 2 6 1999

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 1999. The wells are next scheduled to be sampled in October 1999.

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

Sincerely,

B. H. Clark
Plant General Manager
Harris Nuclear Plant

MGW

Enclosure

MAY 1999 Received 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	04/01/99	04/01/99	04/01/99	04/01/99	04/01/99
pH (units)	7.3	5.4	7.6	7.6	7.1
Specific Conductance, uS/cm	667	103	436	415	336
Arsenic, Total ug/L	6.2	2.1	2.2	2.9	3
Barium, Total ug/L	98	41	153	20	68
Cadmium, Total ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloride mg/L	19	13	19	10	9
Chromium, Total ug/L	<20	<20	<20	<20	<20
Copper, Total ug/L	<1.0	5	3.2	<1.0	<1.0
Fluoride mg/L	0.36	0.19	0.24	0.28	0.26
Iron, Total ug/L	120	2300	160	170	<40
Lead, Total ug/L	<2.0	3	2.9	<2.0	<2.0
Manganese, Total ug/L	247	88	127	<10	<10
Mercury, Total ug/L	<0.2	<0.2	<0.2	<0.2	<0.2
Nitrate + Nitrite (as N) mg/L	0.06	0.96	0.13	<0.02	<0.02
Selenium, Total ug/L	4.1	2.4	2	1.1	1.4
Silver, Total ug/L	<1.0	<1.0	<1.0	<1.0	<1.0
Sulfate mg/L	<2	5	13	<2	7
Zinc, Total ug/L	100	68	98	68	120
Total Organic Halides (TOX) mg/L	84	33	12	<5.0	<5.0
Total Dissolved Solid (TDS) mg/L	374	112	266	242	212
Biochemical Oxygen Demand (BOD) mg/L	3	<2	<2	<2	<2
Chemical Oxygen Demand (COD) mg/L	27	29	<20	<20	<20
Total Organic Carbon (TOC) mg/L	7.5	3.2	2	1.6	1.6