92-10
10-7-99

CP&L

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

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

NOV 2 3 1999

SERIAL: HNP-99-161

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 second semi-annual sampling of the groundwater monitoring wells for 1999. The wells are next scheduled to be sampled in April 2000.

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

NOV 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	10/07/99	10/07/99	10/07/99	10/07/99	10/07/99
pH (units)	7.5	5.5	7.7	7.7	7.2
Specific Conductance, uS/cm	697	109	463	324	336
Arsenic, Total ug/L	6	1.6	2.8	2.6	2.2
Barium, Total ug/L	120	23	151	18	62
Cadmium, Total ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloride mg/L	24	12	19	9	8
Chromium, Total ug/L	<20	<20	<20	<20	<20
Copper, Total ug/L	25	6.1	1.3	1.7	30
Fluoride mg/L	0.15	0.1	0.22	0.2	0.17
Iron, Total ug/L	750	1100	200	41	<40
Lead, Total ug/L	<2.0	<2.0	<2.0	<2.0	<2.0
Manganese, Total ug/L	279	57	110	<10	<10
Mercury, Total ug/L	<0.2	<0.2	<0.2	<0.2	<0.2
Nitrate + Nitrite (as N) mg/L	<0.02	0.71	<0.02	<0.02	<0.02
Selenium, Total ug/L	1.2	<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	2.7	8	24	3.4	10
Zinc, Total ug/L	68	39	90	32	98
Total Organic Halides (TOX) ug/L	100	85	20	27	31
Total Dissolved Solid (TDS) mg/L	443	106	284	251	218
Biochemical Oxygen Demand (BOD) mg/L	5	<2	<2	<2	<2
Chemical Oxygen Demand (COD) mg/L	26	<20	<20	<20	<20
Total Organic Carbon (TOC) mg/L	11	4.9	3.1	<0.7	<0.7

~~* Analysis Not Requested~~ TBM 11/23/99