92-10
10-12-00

CP&L

Carmen Johnson
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92-10

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

NOV 1 6 2000

SERIAL: HNP-00-169

Mr. Bobby Lutfy
North Carolina Department of Environment
and Natural Resources,
Solid Waste Section
1646 Mail Service Center
Raleigh, NC 27699-1646

NOV 2000 Received Solid Waste Section

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 2000. The wells are scheduled to be sampled next in April 2001.

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

MW-1
* TOX + TOC have been increasing since 1998.

MGW

Enclosure

Should we Require additional testing/investigation ?

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	10/12/00	10/12/00	10/12/00	10/12/00	10/12/00
pH (units)	7.5	6.9	7.7	7.6	7.2
Specific Conductance, uS/cm	751	276	449	378	320
Arsenic, Total ug/L	5	3.7	2.7	2.5	2.1
Barium, Total ug/L	120	81	170	18	55
Cadmium, Total ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloride mg/L	33	13	24	6.9	6.3
Chromium, Total ug/L	<20	<20	<20	<20	<20
Copper, Total ug/L	2.6	4.7	1.6	1.2	1.3
Fluoride mg/L	0.25	0.33	0.26	0.25	0.22
Iron, Total ug/L	220	5900	600	<40	<40
Lead, Total ug/L	<2.0	3.3	<2.0	<2.0	<2.0
Manganese, Total ug/L	297	312	146	<10	<10
Mercury, Total ug/L	<0.2	<0.2	<0.2	<0.2	<0.2
Nitrate + Nitrite (as N) mg/L	0.37	0.17	0.45	0.19	0.07
Selenium, Total ug/L	<1.0	<1.0	<1.0	<1.0	<1.0
Silver, Total ug/L	<10	<10	<10	<10	<10
Sulfate mg/L	<2.0	<2.0	16	2.4	9.2
Zinc, Total ug/L	95	130	84	27	98
Total Organic Halides (TOX) ug/L	110	<5.0	14	9.5	<5.0
Total Dissolved Solid (TDS) mg/L	437	161	227	208	198
Biochemical Oxygen Demand (BOD) mg/L	6	<2	<2	<2	<2
Chemical Oxygen Demand (COD) mg/L	59	<20	<20	<20	<20
Total Organic Carbon (TOC) mg/L	13	2.1	1.6	1.8	1.8