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Carmen Johnson
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CP&L

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

MAY 2 8 1996

William R. Robinson
Vice President
Harris Nuclear Plant

Serial: HNP-96-091

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

Subject: Sanitary Landfill, Groundwater Monitoring Report
Harris Nuclear Plant - Solid Waste Permit Number 92-10

Dear Mr. Lutfy:

In accordance with 15A NCAC, 2L and 13B, Section .0600, please find the the enclosed results for the 1996, first semi-annual sampling of the Harris Nuclear Plant sanitary landfill groundwater monitoring wells. Sampling of the groundwater wells and subsequent analysis of each parameter is next scheduled for October 1996.

Please contact Mr. R. T. Wilson at (919) 362-2444 if you have any questions or concerns.

Sincerely,

W R Robinson

MV

Enclosure

cc: Ms. B. A. Carter
Mr. J. W. Donahue
Mr. L. F. Garner
Mr. J. W. Gurganeous
Ms. E. C. Pulaski
Mr. R. T. Wilson
Nuclear Records
NLS File: H-X-230

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	04/01/96	04/01/96	04/01/96	04/01/96	04/01/96
pH (units)	9.2	6.2	7.6	7.6	7.3
Specific Conductance, uS/cm	253	56	332	290	269
Arsenic, Total ug/L	3.83	1.72	3.18	2.23	2.85
Barium, Total ug/L	56.8	44.4	152	21.8	76.4
Cadmium, Total ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloride mg/L	12.9	7.98	26.3	9.18	7.82
Chromium, Total ug/L	3.67	3.39	<2.0	<2.0	<2.0
Copper, Total ug/L	1.75	3.41	<1.0	1.12	<1.0
Fluoride mg/L	0.13	<0.1	0.16	0.18	0.12
Iron, Total ug/L	1760	3900	118	117	<100
Lead, Total ug/L	1.05	2.00	<1.0	<1.0	<1.0
Manganese, Total ug/L	36.0	74.4	242	<20.0	<20.0
Mercury, Total ug/L	<0.2	<0.2	<0.2	<0.2	<0.2
Nitrate + Nitrite (as N) mg/L	0.022	0.021	0.021	0.049	0.019
Selenium, Total ug/L	<1.0	<1.0	<1.0	<1.0	<1.0
Silver, Total ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Sulfate mg/L	3.8	6.6	27.2	2.14	15.1
Zinc, Total ug/L	<10.0	10.7	<10.0	<10.0	<10.0
Total Organic Halides (TOX) mg/L	<0.01	0.012	<0.01	<0.01	<0.01
Total Dissolved Solid (TDS) mg/L	170	87	239	226	205
Biochemical Oxygen Demand (BOD) mg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Chemical Oxygen Demand (COD) mg/L	<25	<25	<25	<25	<25
Total Organic Carbon (TOC) mg/L	<1	1.3	<1	<1	<1

TEMP.- ?

JUN 1996
Received
Solid Waste
Section