92-10
4-16-98

CP&L

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

JUN 12 1998

Serial: HNP-98-086

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

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

Dear Mr. Lutfy:

In accordance with Solid Waste Permit No. 92-10, for the Harris Nuclear Plant Sanitary Landfill, enclosed are the results of the first semi-annual sampling of the groundwater monitoring wells for 1998. The wells are next scheduled to be sampled in October 1998.

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

Sincerely,

J. W. Donahue
Director of Site Operations
Harris Plant

MV

Enclosure

Carmen Johnson
Scanned by | Date 9/26/12 | Doc ID #
92-10

bc: Ms. B. A. Carter
Mr. L. F. Garner
Ms. E. C. Pulaski
Mr. R. T. Wilson
Harris Licensing File: H-X-230
Nuclear Records

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	04/16/98	04/16/98	04/16/98	04/16/98	04/16/98
pH (units)	7.6	5.6	7.5	7.7	7.2
Specific Conductance, uS/cm	496	75	442	378	354
Arsenic, Total ug/L	<3.0	<3.0	3.8	<3.0	3.2
Barium, Total ug/L	74	34	130	16	60
Cadmium, Total ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloride mg/L	12	7.1	20	7.4	7.1
Chromium, Total ug/L	<20	<20	<20	<20	<20
Copper, Total ug/L	<10.0	<10.0	<10.0	<10.0	<10.0
Fluoride mg/L	<0.2	<0.2	<0.2	0.21	<0.2
Iron, Total ug/L	320	1700	290	150	470
Lead, Total ug/L	<2.0	2.2	<2.0	<2.0	<2.0
Manganese, Total ug/L	95.0	42	117	<10.0	<10.0
Mercury, Total ug/L	<0.2	<0.2	<0.2	<0.2	<0.2
Nitrate + Nitrite (as N) mg/L	0.05	0.06	0.07	<0.05	<0.05
Selenium, Total ug/L	<3.0	<3.0	<3.0	<3.0	<3.0
Silver, Total ug/L	<1.0	<1.0	<1.0	<1.0	<1.0
Sulfate mg/L	<12.0	<12.0	22	<12.0	15
Zinc, Total ug/L	170	160	49	23	94
Total Organic Halides (TOX) mg/L	34	32	14	<5.0	<5.0
Total Dissolved Solid (TDS) mg/L	324	84	290	230	228
Biochemical Oxygen Demand (BOD) mg/L	<2.0	<2.0	<2.0	<2.0	<2.0
Chemical Oxygen Demand (COD) mg/L	<15.0	<15.0	<15.0	<15.0	<15.0
Total Organic Carbon (TOC) mg/L	1.7	2.6	1.2	<0.7	<0.7

Well #3 was damaged by logging in the area. Temporary repairs were completed before sampling.