92-10

10-2-95

Carmen Johnson
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CP&L

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

DEC 2 0 1995

William R. Robinson
Vice President
Harris Nuclear Plant

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

Serial: HNP-95-123

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 1995, second semi-annual sampling of the Harris Nuclear Plant sanitary landfill groundwater monitoring wells. As indicated on the attached data sheet, the sampling for Chemical Oxygen Demand was not performed until December 6, 1995 due to an inadvertant ommision by the certified lab. Therefore, final analysis results were not completed until December 14, 1995. Sampling of the groundwater wells and subsequent analysis of each parameter is next scheduled for April 1996.

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

Sincerely,

W R Robinson

MV

Enclosure

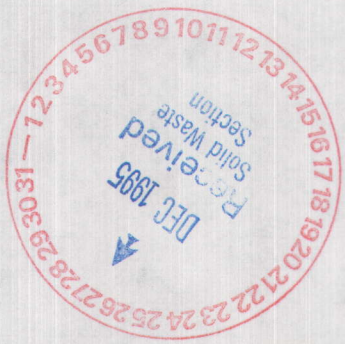
cc: Ms. B. A. Carter
Mr. J. W. Donahue
Mr. L. F. Garner
Mr. J. W. Gurganeous
Ms. E. C. Pulaski
Mr. T. D. Walt
Mr. B. C. White
Mr. R. T. Wilson
Nuclear Records (letter # H0-950248)
NLS File: H-X-230

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	10/02/95	10/02/95	10/02/95	10/02/95	10/02/95
pH (units)	7.7	5.8	7.7	7.8	7.4
Specific Conductance, umho/cm	480	480	600	460	400
Arsenic, Total	0.004	0.002	0.019	0.001	0.003
Barium, Total	0.054	0.028	0.240	0.020	0.052
Cadmium, Total	<0.0005	<0.0005	0.017	<0.0005	<0.0005
Chloride	10	18	25	9	8.5
Chromium, Total	<0.002	<0.002	0.015	<0.002	<0.002
Copper, Total	<0.001	0.002	0.086	0.001	<0.001
Fluoride	0.1	<0.1	0.020	0.2	0.1
Iron, Total	0.2	1.6	0.14	<0.1	<0.1
Lead, Total	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Total	0.06	0.06	0.04	<0.02	<0.02
Mercury, Total	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nitrate + Nitrite (as N)	0.03	0.02	0.04	0.05	0.06
Selenium, Total	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Total	<0.2	<0.2	<0.2	<0.2	<0.2
Sulfate	<2	5.4	47	<2	24
Zinc, Total	<0.010	<0.010	0.030	<0.010	<0.010
Total Organic Halides	0.010	0.010	0.020	<0.010	<0.010
Total Dissolved Solids	250	63	300	200	220
Biochemical Oxygen Demand	2.4	<2	<2	<2	<2
Chemical Oxygen Demand*	<25	<25	<25	<25	<25
Total Organic Carbon	<1	1	<1	<1	<1

All values are reported in ppm (mg/l) unless otherwise noted.

* Chemical Oxygen Demand was resampled on 12/6/95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