92-10
.0500
Industrial

Progress Energy

SERIAL: HNP-04-168

DEC 0 7 2004

db ID 5

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

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

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

Dear Mr. Lutfy:

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 2004. The enclosed results reflect the addition of the two new wells, MW-6 and MW-7, as well as the abandonment of wells MW-4 and MW-5. These changes resulted from the Geophysical Study conducted as part of the approved Transition Plan for closure of the HNP landfill.

If you have any questions or need further information, please contact Mr. Bob Wilson at (919) 362-2444.

Sincerely,

BCW

B. C. Waldrep
Plant General Manager
Harris Nuclear Plant

Received
DEC 2004
Solid Waste Section

MGW

Enclosure

Progress Energy Carolinas, Inc.
Harris Nuclear Plant
P.O. Box 165
New Hill, NC 27562

HNP Landfill 92-10
Ground Water Field Results

Well Number	Date	Time	pH	Conductivity
1	10/27/04	11:40	7.6	798
2	10/27/04	12:00	7.5	527
3	10/27/04	12:30	7.6	408
6	10/27/04	12:45	7.9	298
7	10/27/04	13:00	8.1	362

Sampled by: R. Vickers and W. Lohmeyer

TRiTEST
3909 Beryl Road
Raleigh, NC 27607

Telephone: (919) 834-4984
Fax: (919) 834-6497

Received 11/22/04 RW

NC/WW Cert. #: 067
NC/DW Cert. #: 37731

Laboratory Report

--- Prepared for ---

Bob Wilson
Progress Energy - Harris Plant
P.O. 165, Mail Zone 5
State Rd. 1134
New Hill, NC 27562

Report Date: **11/11/2004**
Date Received: **10/27/2004**
Work Order #: **0409-01640**

Project No.:
Project ID: **HARRIS PLANT GWW - OCT. 2004**
Cust. Code: **CP2444**
Cust. P.O.#: **5900**

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
001	W#1	10/27/2004	11:40	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed	Qualifier
Arsenic	EPA 200.8	4.71 ug/L	10/29/04	
Barium	EPA 200.8	137 ug/L	10/29/04	
Cadmium	EPA 200.8	<1.0 ug/L	10/29/04	
Chromium	EPA 200.8	<1.0 ug/L	10/29/04	
Lead	EPA 200.8	<1.0 ug/L	10/29/04	
Mercury	EPA 245.1	<0.2# ug/L	11/3/04	
Selenium	EPA 200.8	1.30 ug/L	10/29/04	
Silver	EPA 200.8	<1.0 ug/L	10/29/04	
Sulfate	Hach 8051	<5.0 mg/L	11/10/04	
Volatiles, Low Level (8260)			11/1/04	
Acetone	EPA 8260B	<10 ug/L	11/1/04	
Acrolein	EPA 8260B	<10 ug/L	11/1/04	
Acrylonitrile	EPA 8260B	<10 ug/L	11/1/04	
Benzene	EPA 8260B	<1 ug/L	11/1/04	
Bromodichloromethane	EPA 8260B	<1 ug/L	11/1/04	
Bromobenzene	EPA 8260B	<1 ug/L	11/1/04	
Bromochloromethane	EPA 8260B	<1 ug/L	11/1/04	
Bromoform	EPA 8260B	<1 ug/L	11/1/04	
Bromomethane	EPA 8260B	<2 ug/L	11/1/04	
sec-Butylbenzene	EPA 8260B	<1 ug/L	11/1/04	
tert-Butylbenzene	EPA 8260B	<1 ug/L	11/1/04	
Carbon disulfide	EPA 8260B	<1 ug/L	11/1/04	
Carbon tetrachloride	EPA 8260B	<1 ug/L	11/1/04	
Chlorobenzene	EPA 8260B	<1 ug/L	11/1/04	
Chloroethane	EPA 8260B	<2 ug/L	11/1/04	
2-Chloroethylvinyl ether	EPA 8260B	<2 ug/L	11/1/04	
Chloroform	EPA 8260B	<1 ug/L	11/1/04	
Chloromethane	EPA 8260B	<2 ug/L	11/1/04	
2-Chlorotoluene	EPA 8260B	<1 ug/L	11/1/04	
4-Chlorotoluene	EPA 8260B	<1 ug/L	11/1/04	
Dibromochloromethane	EPA 8260B	<1 ug/L	11/1/04	
1,2-Dibromo-3-chloropropane	EPA 8260B	<5 ug/L	11/1/04	
1,2-Dibromoethane	EPA 8260B	<1 ug/L	11/1/04	
Dibromomethane	EPA 8260B	<2 ug/L	11/1/04	
1,2-Dichlorobenzene	EPA 8260B	<1 ug/L	11/1/04	

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Work Order #: **0409-01640**

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
001	W#1	10/27/2004	11:40	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed	Qualifier
1,3-Dichlorobenzene	EPA 8260B	<1 ug/L	11/1/04	
1,4-Dichlorobenzene	EPA 8260B	2.66 ug/L	11/1/04	
Dichlorodifluoromethane	EPA 8260B	85.7 ug/L	11/1/04	
1,1-Dichloroethane	EPA 8260B	116 ug/L	11/1/04	
1,2-Dichloroethane	EPA 8260B	<1 ug/L	11/1/04	
1,1-Dichloroethene	EPA 8260B	10.2 ug/L	11/1/04	
cis-1,2-Dichloroethene	EPA 8260B	<1 ug/L	11/1/04	
trans-1,2-Dichloroethene	EPA 8260B	<1 ug/L	11/1/04	
1,2-Dichloropropane	EPA 8260B	<1 ug/L	11/1/04	
1,3-Dichloropropane	EPA 8260B	<1 ug/L	11/1/04	
2,2-Dichloropropane	EPA 8260B	<1 ug/L	11/1/04	
1,1-Dichloropropene	EPA 8260B	<1 ug/L	11/1/04	
cis-1,3-Dichloropropene	EPA 8260B	<1 ug/L	11/1/04	
trans-1,3-Dichloropropene	EPA 8260B	<1 ug/L	11/1/04	
Ethylbenzene	EPA 8260B	<1 ug/L	11/1/04	
2-Hexanone	EPA 8260B	<10 ug/L	11/1/04	
Isopropylbenzene	EPA 8260B	<1 ug/L	11/1/04	
p-Isopropyltoluene	EPA 8260B	<1 ug/L	11/1/04	
Methylene chloride	EPA 8260B	<1 ug/L	11/1/04	
Methyl ethyl ketone (MEK)	EPA 8260B	<10 ug/L	11/1/04	
MIBK (4-Methyl-2-pentanone)	EPA 8260B	<10 ug/L	11/1/04	
n-Propylbenzene	EPA 8260B	<1 ug/L	11/1/04	
Styrene	EPA 8260B	<1 ug/L	11/1/04	
1,1,1,2-Tetrachloroethane	EPA 8260B	<1 ug/L	11/1/04	
1,1,2,2-Tetrachloroethane	EPA 8260B	<1 ug/L	11/1/04	
Tetrachloroethene	EPA 8260B	<1 ug/L	11/1/04	
Toluene	EPA 8260B	<1 ug/L	11/1/04	
1,2,4-Trichlorobenzene	EPA 8260B	<2 ug/L	11/1/04	
1,1,1-Trichloroethane	EPA 8260B	<1 ug/L	11/1/04	
1,1,2-Trichloroethane	EPA 8260B	<1 ug/L	11/1/04	
Trichloroethene	EPA 8260B	6.63 ug/L	11/1/04	
Trichlorofluoromethane	EPA 8260B	<1 ug/L	11/1/04	
1,2,3-Trichloropropane	EPA 8260B	<3 ug/L	11/1/04	
1,2,4-Trimethylbenzene	EPA 8260B	<1 ug/L	11/1/04	
1,3,5-Trimethylbenzene	EPA 8260B	<2 ug/L	11/1/04	
Vinyl acetate	EPA 8260B	<10 ug/L	11/1/04	
Vinyl chloride	EPA 8260B	<2 ug/L	11/1/04	
o-Xylene	EPA 8260B	<1 ug/L	11/1/04	
m- & p-Xylene	EPA 8260B	<1 ug/L	11/1/04	
trans-1,4-Dichloro-2-butene	EPA 8260B	<20 ug/L	11/1/04	
Iodomethane	EPA 8260B	<2 ug/L	11/1/04	

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Laboratory Report

Work Order #: **0409-01640**

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
002	W#2	10/27/2004	12:00	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed	Qualifier
Arsenic	EPA 200.8	2.53 ug/L	10/29/04	
Barium	EPA 200.8	111 ug/L	10/29/04	
Cadmium	EPA 200.8	<1.0 ug/L	10/29/04	
Chromium	EPA 200.8	2.97 ug/L	10/29/04	
Lead	EPA 200.8	1.80 ug/L	10/29/04	
Mercury	EPA 245.1	<0.2# ug/L	11/3/04	
Selenium	EPA 200.8	1.41 ug/L	10/29/04	
Silver	EPA 200.8	<1.0 ug/L	10/29/04	
Sulfate	Hach 8051	<5.0 mg/L	11/10/04	
Volatiles, Low Level (8260)			11/1/04	
Acetone	EPA 8260B	<10 ug/L	11/1/04	
Acrolein	EPA 8260B	<10 ug/L	11/1/04	
Acrylonitrile	EPA 8260B	<10 ug/L	11/1/04	
Benzene	EPA 8260B	<1 ug/L	11/1/04	
Bromodichloromethane	EPA 8260B	<1 ug/L	11/1/04	
Bromobenzene	EPA 8260B	<1 ug/L	11/1/04	
Bromochloromethane	EPA 8260B	<1 ug/L	11/1/04	
Bromoform	EPA 8260B	<1 ug/L	11/1/04	
Bromomethane	EPA 8260B	<2 ug/L	11/1/04	
sec-Butylbenzene	EPA 8260B	<1 ug/L	11/1/04	
tert-Butylbenzene	EPA 8260B	<1 ug/L	11/1/04	
Carbon disulfide	EPA 8260B	<1 ug/L	11/1/04	
Carbon tetrachloride	EPA 8260B	<1 ug/L	11/1/04	
Chlorobenzene	EPA 8260B	<1 ug/L	11/1/04	
Chloroethane	EPA 8260B	<2 ug/L	11/1/04	
2-Chloroethylvinyl ether	EPA 8260B	<2 ug/L	11/1/04	
Chloroform	EPA 8260B	<1 ug/L	11/1/04	
Chloromethane	EPA 8260B	<2 ug/L	11/1/04	
2-Chlorotoluene	EPA 8260B	<1 ug/L	11/1/04	
4-Chlorotoluene	EPA 8260B	<1 ug/L	11/1/04	
Dibromochloromethane	EPA 8260B	<1 ug/L	11/1/04	
1,2-Dibromo-3-chloropropane	EPA 8260B	<5 ug/L	11/1/04	
1,2-Dibromoethane	EPA 8260B	<1 ug/L	11/1/04	
Dibromomethane	EPA 8260B	<2 ug/L	11/1/04	
1,2-Dichlorobenzene	EPA 8260B	<1 ug/L	11/1/04	
1,3-Dichlorobenzene	EPA 8260B	<1 ug/L	11/1/04	
1,4-Dichlorobenzene	EPA 8260B	1.70 ug/L	11/1/04	
Dichlorodifluoromethane	EPA 8260B	<1 ug/L	11/1/04	
1,1-Dichloroethane	EPA 8260B	<1 ug/L	11/1/04	
1,2-Dichloroethane	EPA 8260B	<1 ug/L	11/1/04	
1,1-Dichloroethene	EPA 8260B	<1 ug/L	11/1/04	
cis-1,2-Dichloroethene	EPA 8260B	<1 ug/L	11/1/04	
trans-1,2-Dichloroethene	EPA 8260B	<1 ug/L	11/1/04	
1,2-Dichloropropane	EPA 8260B	<1 ug/L	11/1/04	

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002	W#2	10/27/2004	12:00	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed	Qualifier
1,3-Dichloropropane	EPA 8260B	<1 ug/L	11/1/04	
2,2-Dichloropropane	EPA 8260B	<1 ug/L	11/1/04	
1,1-Dichloropropene	EPA 8260B	<1 ug/L	11/1/04	
cis-1,3-Dichloropropene	EPA 8260B	<1 ug/L	11/1/04	
trans-1,3-Dichloropropene	EPA 8260B	<1 ug/L	11/1/04	
Ethylbenzene	EPA 8260B	<1 ug/L	11/1/04	
2-Hexanone	EPA 8260B	<10 ug/L	11/1/04	
Isopropylbenzene	EPA 8260B	<1 ug/L	11/1/04	
p-Isopropyltoluene	EPA 8260B	<1 ug/L	11/1/04	
Methylene chloride	EPA 8260B	<1 ug/L	11/1/04	
Methyl ethyl ketone (MEK)	EPA 8260B	<10 ug/L	11/1/04	
MIBK (4-Methyl-2-pentanone)	EPA 8260B	<10 ug/L	11/1/04	
n-Propylbenzene	EPA 8260B	<1 ug/L	11/1/04	
Styrene	EPA 8260B	<1 ug/L	11/1/04	
1,1,1,2-Tetrachloroethane	EPA 8260B	<1 ug/L	11/1/04	
1,1,2,2-Tetrachloroethane	EPA 8260B	<1 ug/L	11/1/04	
Tetrachloroethene	EPA 8260B	<1 ug/L	11/1/04	
Toluene	EPA 8260B	<1 ug/L	11/1/04	
1,2,4-Trichlorobenzene	EPA 8260B	<2 ug/L	11/1/04	
1,1,1-Trichloroethane	EPA 8260B	<1 ug/L	11/1/04	
1,1,2-Trichloroethane	EPA 8260B	<1 ug/L	11/1/04	
Trichloroethene	EPA 8260B	<1 ug/L	11/1/04	
Trichlorofluoromethane	EPA 8260B	<1 ug/L	11/1/04	
1,2,3-Trichloropropane	EPA 8260B	<3 ug/L	11/1/04	
1,2,4-Trimethylbenzene	EPA 8260B	<1 ug/L	11/1/04	
1,3,5-Trimethylbenzene	EPA 8260B	<2 ug/L	11/1/04	
Vinyl acetate	EPA 8260B	<10 ug/L	11/1/04	
Vinyl chloride	EPA 8260B	<2 ug/L	11/1/04	
o-Xylene	EPA 8260B	<1 ug/L	11/1/04	
m- & p-Xylene	EPA 8260B	<1 ug/L	11/1/04	
trans-1,4-Dichloro-2-butene	EPA 8260B	<20 ug/L	11/1/04	
Iodomethane	EPA 8260B	<2 ug/L	11/1/04	

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
003	W#3	10/27/2004	12:30	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed	Qualifier
Arsenic	EPA 200.8	2.75 ug/L	10/29/04	
Barium	EPA 200.8	157 ug/L	10/29/04	
Cadmium	EPA 200.8	<1.0 ug/L	10/29/04	
Chromium	EPA 200.8	<1.0 ug/L	10/29/04	
Lead	EPA 200.8	<1.0 ug/L	10/29/04	
Mercury	EPA 245.1	<0.2# ug/L	11/3/04	

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No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
003	W#3	10/27/2004	12:30	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed	Qualifier
Selenium	EPA 200.8	<1.0 ug/L	10/29/04	
Silver	EPA 200.8	<1.0 ug/L	10/29/04	
Sulfate	Hach 8051	<5.0 mg/L	11/10/04	
Volatiles, Low Level (8260)			11/1/04	
Acetone	EPA 8260B	<10 ug/L	11/1/04	
Acrolein	EPA 8260B	<10 ug/L	11/1/04	
Acrylonitrile	EPA 8260B	<10 ug/L	11/1/04	
Benzene	EPA 8260B	<1 ug/L	11/1/04	
Bromodichloromethane	EPA 8260B	<1 ug/L	11/1/04	
Bromobenzene	EPA 8260B	<1 ug/L	11/1/04	
Bromochloromethane	EPA 8260B	<1 ug/L	11/1/04	
Bromoform	EPA 8260B	<1 ug/L	11/1/04	
Bromomethane	EPA 8260B	<2 ug/L	11/1/04	
sec-Butylbenzene	EPA 8260B	<1 ug/L	11/1/04	
tert-Butylbenzene	EPA 8260B	<1 ug/L	11/1/04	
Carbon disulfide	EPA 8260B	<1 ug/L	11/1/04	
Carbon tetrachloride	EPA 8260B	<1 ug/L	11/1/04	
Chlorobenzene	EPA 8260B	<1 ug/L	11/1/04	
Chloroethane	EPA 8260B	<2 ug/L	11/1/04	
2-Chloroethylvinyl ether	EPA 8260B	<2 ug/L	11/1/04	
Chloroform	EPA 8260B	<1 ug/L	11/1/04	
Chloromethane	EPA 8260B	<2 ug/L	11/1/04	
2-Chlorotoluene	EPA 8260B	<1 ug/L	11/1/04	
4-Chlorotoluene	EPA 8260B	<1 ug/L	11/1/04	
Dibromochloromethane	EPA 8260B	<1 ug/L	11/1/04	
1,2-Dibromo-3-chloropropane	EPA 8260B	<5 ug/L	11/1/04	
1,2-Dibromoethane	EPA 8260B	<1 ug/L	11/1/04	
Dibromomethane	EPA 8260B	<2 ug/L	11/1/04	
1,2-Dichlorobenzene	EPA 8260B	<1 ug/L	11/1/04	
1,3-Dichlorobenzene	EPA 8260B	<1 ug/L	11/1/04	
1,4-Dichlorobenzene	EPA 8260B	<1 ug/L	11/1/04	
Dichlorodifluoromethane	EPA 8260B	<1 ug/L	11/1/04	
1,1-Dichloroethane	EPA 8260B	<1 ug/L	11/1/04	
1,2-Dichloroethane	EPA 8260B	<1 ug/L	11/1/04	
1,1-Dichloroethene	EPA 8260B	<1 ug/L	11/1/04	
cis-1,2-Dichloroethene	EPA 8260B	<1 ug/L	11/1/04	
trans-1,2-Dichloroethene	EPA 8260B	<1 ug/L	11/1/04	
1,2-Dichloropropane	EPA 8260B	<1 ug/L	11/1/04	
1,3-Dichloropropane	EPA 8260B	<1 ug/L	11/1/04	
2,2-Dichloropropane	EPA 8260B	<1 ug/L	11/1/04	
1,1-Dichloropropene	EPA 8260B	<1 ug/L	11/1/04	
cis-1,3-Dichloropropene	EPA 8260B	<1 ug/L	11/1/04	
trans-1,3-Dichloropropene	EPA 8260B	<1 ug/L	11/1/04	
Ethylbenzene	EPA 8260B	<1 ug/L	11/1/04	

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003	W#3	10/27/2004	12:30	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed	Qualifier
2-Hexanone	EPA 8260B	<10 ug/L	11/1/04	
Isopropylbenzene	EPA 8260B	<1 ug/L	11/1/04	
p-Isopropyltoluene	EPA 8260B	<1 ug/L	11/1/04	
Methylene chloride	EPA 8260B	<1 ug/L	11/1/04	
Methyl ethyl ketone (MEK)	EPA 8260B	<10 ug/L	11/1/04	
MIBK (4-Methyl-2-pentanone)	EPA 8260B	<10 ug/L	11/1/04	
n-Propylbenzene	EPA 8260B	<1 ug/L	11/1/04	
Styrene	EPA 8260B	<1 ug/L	11/1/04	
1,1,1,2-Tetrachloroethane	EPA 8260B	<1 ug/L	11/1/04	
1,1,2,2-Tetrachloroethane	EPA 8260B	<1 ug/L	11/1/04	
Tetrachloroethene	EPA 8260B	<1 ug/L	11/1/04	
Toluene	EPA 8260B	<1 ug/L	11/1/04	
1,2,4-Trichlorobenzene	EPA 8260B	<2 ug/L	11/1/04	
1,1,1-Trichloroethane	EPA 8260B	<1 ug/L	11/1/04	
1,1,2-Trichloroethane	EPA 8260B	<1 ug/L	11/1/04	
Trichloroethene	EPA 8260B	<1 ug/L	11/1/04	
Trichlorofluoromethane	EPA 8260B	<1 ug/L	11/1/04	
1,2,3-Trichloropropane	EPA 8260B	<3 ug/L	11/1/04	
1,2,4-Trimethylbenzene	EPA 8260B	<1 ug/L	11/1/04	
1,3,5-Trimethylbenzene	EPA 8260B	<2 ug/L	11/1/04	
Vinyl acetate	EPA 8260B	<10 ug/L	11/1/04	
Vinyl chloride	EPA 8260B	<2 ug/L	11/1/04	
o-Xylene	EPA 8260B	<1 ug/L	11/1/04	
m- & p-Xylene	EPA 8260B	<1 ug/L	11/1/04	
trans-1,4-Dichloro-2-butene	EPA 8260B	<20 ug/L	11/1/04	
Iodomethane	EPA 8260B	<2 ug/L	11/1/04	

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
004	W#6	10/27/2004	12:45	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed	Qualifier
Arsenic	EPA 200.8	2.08 ug/L	10/29/04	
Barium	EPA 200.8	279 ug/L	10/29/04	
Cadmium	EPA 200.8	<1.0 ug/L	10/29/04	
Chromium	EPA 200.8	<1.0 ug/L	10/29/04	
Lead	EPA 200.8	<1.0 ug/L	10/29/04	
Mercury	EPA 245.1	<0.2# ug/L	11/3/04	
Selenium	EPA 200.8	<1.0 ug/L	10/29/04	
Silver	EPA 200.8	<1.0 ug/L	10/29/04	
Sulfate	Hach 8051	<5.0 mg/L	11/10/04	
Volatiles, Low Level (8260)			11/1/04	
Acetone	EPA 8260B	<10 ug/L	11/1/04	
Acrolein	EPA 8260B	<10 ug/L	11/1/04	

TRITEST
3909 Beryl Road
Raleigh, NC 27607

Telephone: (919) 834-4984
Fax: (919) 834-6497

NC/WW Cert. #: 067
NC/DW Cert. #: 37731

Laboratory Report

Work Order #: **0409-01640**

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
004	W#6	10/27/2004	12:45	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed	Qualifier
Acrylonitrile	EPA 8260B	<10 ug/L	11/1/04	
Benzene	EPA 8260B	<1 ug/L	11/1/04	
Bromodichloromethane	EPA 8260B	<1 ug/L	11/1/04	
Bromobenzene	EPA 8260B	<1 ug/L	11/1/04	
Bromochloromethane	EPA 8260B	<1 ug/L	11/1/04	
Bromoform	EPA 8260B	<1 ug/L	11/1/04	
Bromomethane	EPA 8260B	<2 ug/L	11/1/04	
sec-Butylbenzene	EPA 8260B	<1 ug/L	11/1/04	
tert-Butylbenzene	EPA 8260B	<1 ug/L	11/1/04	
Carbon disulfide	EPA 8260B	<1 ug/L	11/1/04	
Carbon tetrachloride	EPA 8260B	<1 ug/L	11/1/04	
Chlorobenzene	EPA 8260B	<1 ug/L	11/1/04	
Chloroethane	EPA 8260B	<2 ug/L	11/1/04	
2-Chloroethylvinyl ether	EPA 8260B	<2 ug/L	11/1/04	
Chloroform	EPA 8260B	<1 ug/L	11/1/04	
Chloromethane	EPA 8260B	<2 ug/L	11/1/04	
2-Chlorotoluene	EPA 8260B	<1 ug/L	11/1/04	
4-Chlorotoluene	EPA 8260B	<1 ug/L	11/1/04	
Dibromochloromethane	EPA 8260B	<1 ug/L	11/1/04	
1,2-Dibromo-3-chloropropane	EPA 8260B	<5 ug/L	11/1/04	
1,2-Dibromoethane	EPA 8260B	<1 ug/L	11/1/04	
Dibromomethane	EPA 8260B	<2 ug/L	11/1/04	
1,2-Dichlorobenzene	EPA 8260B	<1 ug/L	11/1/04	
1,3-Dichlorobenzene	EPA 8260B	<1 ug/L	11/1/04	
1,4-Dichlorobenzene	EPA 8260B	<1 ug/L	11/1/04	
Dichlorodifluoromethane	EPA 8260B	<1 ug/L	11/1/04	
1,1-Dichloroethane	EPA 8260B	<1 ug/L	11/1/04	
1,2-Dichloroethane	EPA 8260B	<1 ug/L	11/1/04	
1,1-Dichloroethene	EPA 8260B	<1 ug/L	11/1/04	
cis-1,2-Dichloroethene	EPA 8260B	<1 ug/L	11/1/04	
trans-1,2-Dichloroethene	EPA 8260B	<1 ug/L	11/1/04	
1,2-Dichloropropane	EPA 8260B	<1 ug/L	11/1/04	
1,3-Dichloropropane	EPA 8260B	<1 ug/L	11/1/04	
2,2-Dichloropropane	EPA 8260B	<1 ug/L	11/1/04	
1,1-Dichloropropene	EPA 8260B	<1 ug/L	11/1/04	
cis-1,3-Dichloropropene	EPA 8260B	<1 ug/L	11/1/04	
trans-1,3-Dichloropropene	EPA 8260B	<1 ug/L	11/1/04	
Ethylbenzene	EPA 8260B	<1 ug/L	11/1/04	
2-Hexanone	EPA 8260B	<10 ug/L	11/1/04	
Isopropylbenzene	EPA 8260B	<1 ug/L	11/1/04	
p-Isopropyltoluene	EPA 8260B	<1 ug/L	11/1/04	
Methylene chloride	EPA 8260B	<1 ug/L	11/1/04	
Methyl ethyl ketone (MEK)	EPA 8260B	<10 ug/L	11/1/04	
MIBK (4-Methyl-2-pentanone)	EPA 8260B	<10 ug/L	11/1/04	

TRiTEST
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Laboratory Report

Work Order #: **0409-01640**

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
004	W#6	10/27/2004	12:45	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed	Qualifier
n-Propylbenzene	EPA 8260B	<1 ug/L	11/1/04	
Styrene	EPA 8260B	<1 ug/L	11/1/04	
1,1,1,2-Tetrachloroethane	EPA 8260B	<1 ug/L	11/1/04	
1,1,2,2-Tetrachloroethane	EPA 8260B	<1 ug/L	11/1/04	
Tetrachloroethene	EPA 8260B	<1 ug/L	11/1/04	
Toluene	EPA 8260B	<1 ug/L	11/1/04	
1,2,4-Trichlorobenzene	EPA 8260B	<2 ug/L	11/1/04	
1,1,1-Trichloroethane	EPA 8260B	<1 ug/L	11/1/04	
1,1,2-Trichloroethane	EPA 8260B	<1 ug/L	11/1/04	
Trichloroethene	EPA 8260B	<1 ug/L	11/1/04	
Trichlorofluoromethane	EPA 8260B	<1 ug/L	11/1/04	
1,2,3-Trichloropropane	EPA 8260B	<3 ug/L	11/1/04	
1,2,4-Trimethylbenzene	EPA 8260B	<1 ug/L	11/1/04	
1,3,5-Trimethylbenzene	EPA 8260B	<2 ug/L	11/1/04	
Vinyl acetate	EPA 8260B	<10 ug/L	11/1/04	
Vinyl chloride	EPA 8260B	<2 ug/L	11/1/04	
o-Xylene	EPA 8260B	<1 ug/L	11/1/04	
m- & p-Xylene	EPA 8260B	<1 ug/L	11/1/04	
trans-1,4-Dichloro-2-butene	EPA 8260B	<20 ug/L	11/1/04	
Iodomethane	EPA 8260B	<2 ug/L	11/1/04	

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
005	W#7	10/27/2004	13:00	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed	Qualifier
Arsenic	EPA 200.8	<1.0 ug/L	10/29/04	
Barium	EPA 200.8	23.6 ug/L	10/29/04	
Cadmium	EPA 200.8	<1.0 ug/L	10/29/04	
Chromium	EPA 200.8	<1.0 ug/L	10/29/04	
Lead	EPA 200.8	<1.0 ug/L	10/29/04	
Mercury	EPA 245.1	<0.2# ug/L	11/3/04	
Selenium	EPA 200.8	<1.0 ug/L	10/29/04	
Silver	EPA 200.8	<1.0 ug/L	10/29/04	
Sulfate	Hach 8051	<5.0 mg/L	11/10/04	
Volatiles, Low Level (8260)			11/1/04	
Acetone	EPA 8260B	<10 ug/L	11/1/04	
Acrolein	EPA 8260B	<10 ug/L	11/1/04	
Acrylonitrile	EPA 8260B	<10 ug/L	11/1/04	
Benzene	EPA 8260B	<1 ug/L	11/1/04	
Bromodichloromethane	EPA 8260B	<1 ug/L	11/1/04	
Bromobenzene	EPA 8260B	<1 ug/L	11/1/04	
Bromochloromethane	EPA 8260B	<1 ug/L	11/1/04	
Bromoform	EPA 8260B	<1 ug/L	11/1/04	

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Laboratory Report

Work Order #: **0409-01640**

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
005	W#7	10/27/2004	13:00	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed	Qualifier
Bromomethane	EPA 8260B	<2 ug/L	11/1/04	
sec-Butylbenzene	EPA 8260B	<1 ug/L	11/1/04	
tert-Butylbenzene	EPA 8260B	<1 ug/L	11/1/04	
Carbon disulfide	EPA 8260B	<1 ug/L	11/1/04	
Carbon tetrachloride	EPA 8260B	<1 ug/L	11/1/04	
Chlorobenzene	EPA 8260B	<1 ug/L	11/1/04	
Chloroethane	EPA 8260B	<2 ug/L	11/1/04	
2-Chloroethylvinyl ether	EPA 8260B	<2 ug/L	11/1/04	
Chloroform	EPA 8260B	<1 ug/L	11/1/04	
Chloromethane	EPA 8260B	<2 ug/L	11/1/04	
2-Chlorotoluene	EPA 8260B	<1 ug/L	11/1/04	
4-Chlorotoluene	EPA 8260B	<1 ug/L	11/1/04	
Dibromochloromethane	EPA 8260B	<1 ug/L	11/1/04	
1,2-Dibromo-3-chloropropane	EPA 8260B	<5 ug/L	11/1/04	
1,2-Dibromoethane	EPA 8260B	<1 ug/L	11/1/04	
Dibromomethane	EPA 8260B	<2 ug/L	11/1/04	
1,2-Dichlorobenzene	EPA 8260B	<1 ug/L	11/1/04	
1,3-Dichlorobenzene	EPA 8260B	<1 ug/L	11/1/04	
1,4-Dichlorobenzene	EPA 8260B	<1 ug/L	11/1/04	
Dichlorodifluoromethane	EPA 8260B	<1 ug/L	11/1/04	
1,1-Dichloroethane	EPA 8260B	<1 ug/L	11/1/04	
1,2-Dichloroethane	EPA 8260B	<1 ug/L	11/1/04	
1,1-Dichloroethene	EPA 8260B	<1 ug/L	11/1/04	
cis-1,2-Dichloroethene	EPA 8260B	<1 ug/L	11/1/04	
trans-1,2-Dichloroethene	EPA 8260B	<1 ug/L	11/1/04	
1,2-Dichloropropane	EPA 8260B	<1 ug/L	11/1/04	
1,3-Dichloropropane	EPA 8260B	<1 ug/L	11/1/04	
2,2-Dichloropropane	EPA 8260B	<1 ug/L	11/1/04	
1,1-Dichloropropene	EPA 8260B	<1 ug/L	11/1/04	
cis-1,3-Dichloropropene	EPA 8260B	<1 ug/L	11/1/04	
trans-1,3-Dichloropropene	EPA 8260B	<1 ug/L	11/1/04	
Ethylbenzene	EPA 8260B	<1 ug/L	11/1/04	
2-Hexanone	EPA 8260B	<10 ug/L	11/1/04	
Isopropylbenzene	EPA 8260B	<1 ug/L	11/1/04	
p-Isopropyltoluene	EPA 8260B	<1 ug/L	11/1/04	
Methylene chloride	EPA 8260B	<1 ug/L	11/1/04	
Methyl ethyl ketone (MEK)	EPA 8260B	<10 ug/L	11/1/04	
MIBK (4-Methyl-2-pentanone)	EPA 8260B	<10 ug/L	11/1/04	
n-Propylbenzene	EPA 8260B	<1 ug/L	11/1/04	
Styrene	EPA 8260B	<1 ug/L	11/1/04	
1,1,1,2-Tetrachloroethane	EPA 8260B	<1 ug/L	11/1/04	
1,1,2,2-Tetrachloroethane	EPA 8260B	<1 ug/L	11/1/04	
Tetrachloroethene	EPA 8260B	<1 ug/L	11/1/04	
Toluene	EPA 8260B	<1 ug/L	11/1/04	

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Laboratory Report

Work Order #: **0409-01640**

No.	Sample ID	Date Sampled	Time Sampled	Matrix	Sample Type	Condition
005	W#7	10/27/2004	13:00	GW	Grab	4 +/- 2 deg C

Test Performed	Method	Results	Analyzed	Qualifier
1,2,4-Trichlorobenzene	EPA 8260B	<2 ug/L	11/1/04	
1,1,1-Trichloroethane	EPA 8260B	<1 ug/L	11/1/04	
1,1,2-Trichloroethane	EPA 8260B	<1 ug/L	11/1/04	
Trichloroethene	EPA 8260B	<1 ug/L	11/1/04	
Trichlorofluoromethane	EPA 8260B	<1 ug/L	11/1/04	
1,2,3-Trichloropropane	EPA 8260B	<3 ug/L	11/1/04	
1,2,4-Trimethylbenzene	EPA 8260B	<1 ug/L	11/1/04	
1,3,5-Trimethylbenzene	EPA 8260B	<2 ug/L	11/1/04	
Vinyl acetate	EPA 8260B	<10 ug/L	11/1/04	
Vinyl chloride	EPA 8260B	<2 ug/L	11/1/04	
o-Xylene	EPA 8260B	<1 ug/L	11/1/04	
m- & p-Xylene	EPA 8260B	<1 ug/L	11/1/04	
trans-1,4-Dichloro-2-butene	EPA 8260B	<20 ug/L	11/1/04	
Iodomethane	EPA 8260B	<2 ug/L	11/1/04	

#ANALYZED BY OXFORD LABORATORIES, INC., WILMINGTON, NC (NC/WW CERT. #75; NC/DW CERT. #37721).

Reviewed by:

for Tritest, Inc.

TRITEST
3909 Beryl Road, Raleigh, NC 27607
ph: (919) 834-4984 fax: (919) 834-6497
NCWW Cert #67, NCDW Cert # 37731

Chain of Custody

Tritest W.O. # 0409-01640

☐ Standard Report Delivery

☐ Rush Report Delivery (w/ surcharge)

Note: Rush projects are subject to prior approval by Lab

Requested Due Date: _____

Report Results To:

Progress Energy - Harris Plant
P.O. 165, Mail Zone 5
State Rd. 1134
New Hill, NC 27562

Attn: Bob Wilson
Phone: 919-362-2444 Fax: PAGER 510-1010

Bill Results To:

Progress Energy - Harris Plant
P.O. 165, Mail Zone 5
State Rd. 1134
New Hill, NC 27562

Attn: Bob Wilson

Project Reference: HARRIS PLANT GWW - OCT. 20
Project Number:
Purchase Order #: 5900
Sampled By: R. Vickers / B. Lohmeyer

Sample Description	Composite or Grab	Start Date / Start Time	Stop Date / Stop Time	Matrix WW, DW, SW, GW etc.	Analysis Requested	Smp #
W#1	G	27oct04 1140		GW	Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver, Sulfate, Volatiles, Low Level (8260), Metals Prep	001
W#2	G	27oct04 1200		GW	Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver, Sulfate, Volatiles, Low Level (8260), Metals Prep	002
W#3	G	27oct04 1230		GW	Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver, Sulfate, Volatiles, Low Level (8260), Metals Prep	003
W#6	G	27oct04 1245		GW	Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver, Sulfate, Volatiles, Low Level (8260), Metals Prep	004
W#7	G	27oct04 1300		GW	Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver, Sulfate, Volatiles, Low Level (8260), Metals Prep	005

Relinquished by (signature)	Received by (signature)	Date	Time
William Johnson	Don DeBerry	27oct04	1350
Don DeBerry	Elizabeth Smith	10-27-04	220
Relinquished by (signature)	Received by (signature)	Date	Time

For Lab Use Only:
Temperatue at receipt:

☐ 4+2 C
☒ Temp: 3 C

TRiTEST

SAMPLE PRESERVATION CHECK-IN SHEET							
WO#:	0409-01640						
Checked in by:	P. Sims						
Date:	10/27/04	Time:	1530				
Temp:	3°C						
Route:	CD	TTS	TTPU	USM	FEDX	GC	UPS

Sample No.	Analysis Requested	Sample Type	Comp/ Grab	Container	Chlorine	Preservative						
						None	HCL	H2SO4	HNO3	NaOH	Thio	OTHER
1	Metals	GW	C / G	P / G	Pos / neg	None	HCL	H2SO4	HNO3	NaOH	Thio	OTHER
2			C / G	P / G	Pos / neg	None	HCL	H2SO4	HNO3	NaOH	Thio	OTHER
3			C / G	P / G	Pos / neg	None	HCL	H2SO4	HNO3	NaOH	Thio	OTHER
4			C / G	P / G	Pos / neg	None	HCL	H2SO4	HNO3	NaOH	Thio	OTHER
5			C / G	P / G	Pos / neg	None	HCL	H2SO4	HNO3	NaOH	Thio	OTHER
1	Sulfate		C / G	P / G	Pos / neg	None	HCL	H2SO4	HNO3	NaOH	Thio	OTHER
2			C / G	P / G	Pos / neg	None	HCL	H2SO4	HNO3	NaOH	Thio	OTHER
3			C / G	P / G	Pos / neg	None	HCL	H2SO4	HNO3	NaOH	Thio	OTHER
4			C / G	P / G	Pos / neg	None	HCL	H2SO4	HNO3	NaOH	Thio	OTHER
5			C / G	P / G	Pos / neg	None	HCL	H2SO4	HNO3	NaOH	Thio	OTHER
1	8260LOW		C / G	P / G	Pos / neg NA	None	HCL	H2SO4	HNO3	NaOH	Thio	OTHER
2			C / G	P / G	Pos / neg	None	HCL	H2SO4	HNO3	NaOH	Thio	OTHER
3			C / G	P / G	Pos / neg	None	HCL	H2SO4	HNO3	NaOH	Thio	OTHER
4			C / G	P / G	Pos / neg	None	HCL	H2SO4	HNO3	NaOH	Thio	OTHER
5			C / G	P / G	Pos / neg	None	HCL	H2SO4	HNO3	NaOH	Thio	OTHER
			C / G	P / G	Pos / neg	None	HCL	H2SO4	HNO3	NaOH	Thio	OTHER
			C / G	P / G	Pos / neg	None	HCL	H2SO4	HNO3	NaOH	Thio	OTHER
			C / G	P / G	Pos / neg	None	HCL	H2SO4	HNO3	NaOH	Thio	OTHER
			C / G	P / G	Pos / neg	None	HCL	H2SO4	HNO3	NaOH	Thio	OTHER

COMMENTS:

OXFORD LABORATORIES
Division of Tritest

Analytical and Consulting Chemists
1316 South Fifth Street
Wilmington, N.C. 28401
(910) 763-9793
Fax (910) 343-9688

DATE RECEIVED 10-28-04
DATE REPORTED 11-03-04
4108235

TRITEST INC
3909 BERYL ROAD
RALEIGH, NC 27607

P.O. #

ATTENTION: MARYANNE SIMS

SAMPLE DESCRIPTION: 7 Hg

1. 0409-01640-001
2. 0409-01640-002
3. 0409-01640-003
4. 0409-01640-004
5. 0409-01640-005
6. 0410-01526-001

RESULTS

	1	2	3	4	5	6
Mercury, as Hg: ug/l	<.2	<.2	<.2	<.2	<.2	<.2

OXFORD LABORATORIES
Division of Tritest

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Wilmington, N.C 28401
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Fax (910) 343-9688

DATE RECEIVED 10-28-04
DATE REPORTED 11-03-04
4108235

TRITEST INC
3909 BERYL ROAD
RALEIGH, NC 27607

P.O. #

ATTENTION: MARYANNE SIMS

SAMPLE DESCRIPTION: 7 Hg

7. 0410-01535-001
8. DATE ANALYZED
9. METHOD

RESULTS

	7	8	9
Mercury, as Hg, ug/l	<.2	11-03	245.1

DENISE STALVEY, METALS SUPERVISOR