TS 5.6.2

Progress Energy

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United States Nuclear Regulatory Commission
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Washington, DC 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261/LICENSE NO. DPR-23

RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT - 2007

Ladies and Gentlemen:

In accordance with the H. B. Robinson Steam Electric Plant (HBRSEP), Unit No. 2, Technical Specifications, Section 5.6.2, "Annual Radiological Environmental Operating Report," enclosed is the Radiological Environmental Operating Report for the period January 1, 2007, through December 31, 2007.

If you have any questions concerning this report, please contact me at (843) 857-1626.

Sincerely,

Curt Castell

C. A. Castell
Supervisor - Licensing/Regulatory Programs

RAC/rac

Enclosure

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IG25
NRR

Progress Energy Carolinas, Inc.
Robinson Nuclear Plant
3581 West Entrance Road
Hartsville, SC 29550

RADIOLOGICAL

ENVIRONMENTAL OPERATING

REPORT

2007

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2

CAROLINA POWER & LIGHT COMPANY

ALSO KNOWN AS

PROGRESS ENERGY CAROLINAS, INC.

RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT

FOR THE

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2

FACILITY OPERATING LICENSE NO. DPR-23

DOCKET NO. 50-261

JANUARY 1 THROUGH DECEMBER 31, 2007

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EXECUTIVE SUMMARY

The H. B. Robinson Steam Electric Plant, Unit No. 2 (HBRSEP) is operated by Carolina Power & Light Company; also known as Progress Energy Carolinas, Inc.; under a license granted by the Nuclear Regulatory Commission (NRC). The HBRSEP Technical Specifications and the HBRSEP Off-Site Dose Calculation Manual establish the requirements of the Radiological Environmental Monitoring Program. This report provides the results of the Radiological Environmental Monitoring program from January 1, 2007 through December 31, 2007.

The Radiological Environmental Monitoring program was established in 1973. Radiation and radioactivity in various environmental media have been monitored for more than 30 years. Monitoring is also provided for control locations that would not be impacted by operation of the HBRSEP. Using these control locations and data collected prior to operation allows comparison of data collected at locations near HBRSEP that could potentially be impacted by its operation. The pre-operational monitoring program began in December 1968.

Monitoring results for environmental media are summarized as follows:

- Air-monitoring results are similar or less than the concentrations of radioactivity from pre-operation monitoring. These observations are also consistent with past operational data.

- Milk monitoring has not been conducted due to the unavailability of milk samples in the area since July 17, 1998 when the dairy ceased operation. Broadleaf sampling is conducted, since no milk animals are located within five miles of the plant in any sector. Milk sampling will resume if a new sample location is identified.

- Terrestrial vegetation includes broadleaf vegetation and food products. Results indicate detectable concentrations of Cs-137 in both the indicator and control locations for broadleaf vegetation. No other gamma activity was detected in any samples, except for K-40 and other naturally occurring gamma activity. Sampling of miscellaneous food products (non-leafy) in the vicinity of the site is conducted when leafy vegetables are not being grown. Refer to the Interpretations and Conclusions Section / Food Products.

- Aquatic organism monitoring includes fish and aquatic vegetation. Results indicate detectable concentrations of Cs-137 and K-40 in both indicator and control locations for fish, while results also indicate other naturally occurring nuclides in both indicator and control samples. The aquatic vegetation indicator samples indicated the presence of Co-58 activity. A new aquatic vegetation location was added to the monitoring program in August of 2007. Refer to the Interpretations and Conclusions Section / Aquatic Vegetation.

- Surface water results indicate that the surface water from Lake Robinson shows the presence of tritium, which is attributed to plant operation. A new surface water location was added to the monitoring program in August of 2007.

- External radiation dose showed no measurable change from pre-operational data.

- Sediment monitoring includes both shoreline and bottom sediment. During 2007, bottom sediment results indicated the presence of Cs-137 and Co-60. No other gamma activity was detected in any sediment samples, except for naturally occurring gamma activity. A new bottom sediment location was added to the monitoring program in August of 2007.

The continued operation of HBRSEP has not significantly contributed radiation or the presence of radioactivity in the environmental media monitored. The measured concentrations of radioactivity are well within applicable regulatory limits.

RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM

PURPOSE AND REQUIREMENTS FOR THE RADIOLOGICAL MONITORING PROGRAM

Although the operation of a nuclear generating station results in the raising of background radiation only a small amount, it is important to measure these emissions of radioactivity and radiation to assess their impact on the surrounding populations. The purpose of the radiological monitoring program is to measure accumulation of radioactivity in the environment, to determine whether this radioactivity is the result of operation of the HBRSEP, and to assess the potential dose to the off-site population based on the cumulative measurements of radioactivity of plant origin. Radiological environmental monitoring programs provide an additional verification of the containment and radiological controls of nuclear generating stations.

The radiological monitoring program was established in 1973 and has continued to collect and analyze samples since that time.

Requirements are established for the radiological monitoring program in the Technical Specifications and the Off-Site Dose Calculation Manual (ODCM).

Additional guidance regarding the radiological monitoring program may be found in the following:

- NRC Regulatory Guide 1.109, Calculation of Annual Doses to Man from Routine Releases of Reactor Effluents for the Purpose of Evaluating Compliance with 10 CFR Part 50, Appendix I, Revision 1, October 1977

- NRC Regulatory Guide 4.13, Performance, Testing, and Procedural Specifications for Thermoluminescence Dosimetry: Environmental Applications, Revision 1, July 1977

- NRC Regulatory Guide 4.15, Quality Assurance for Radiological Monitoring Programs (Normal Operation) - Effluent Streams and the Environment, Revision 1, February 1979

- NRC Regulatory Guide 4.1, Programs for Monitoring Radioactivity in the Environs of Nuclear Power Plants, Revision 1, April 1975

- NRC Regulatory Guide 4.8, Environmental Technical Specifications for Nuclear Power Plants, For comment, December 1975

- Radiological Assessment Branch Technical Position, An Acceptable Radiological Environmental Monitoring Program, Revision 1, November 1979

General Site Description

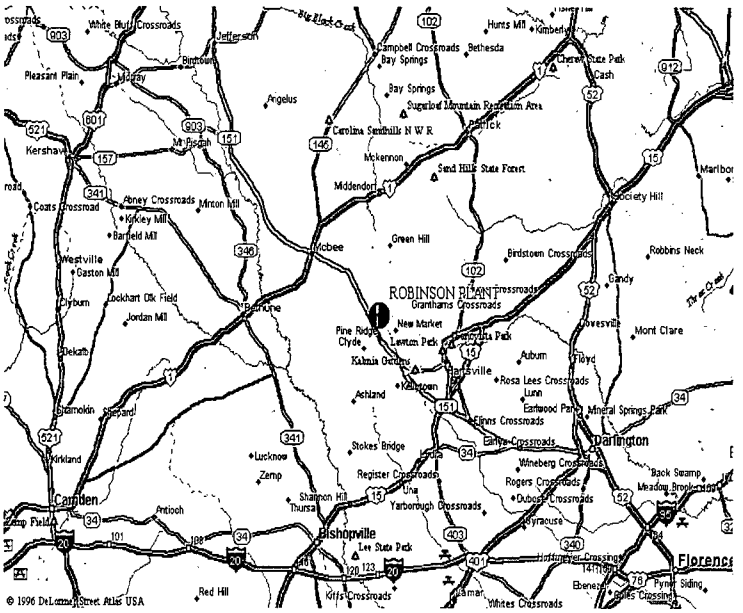


Figure 1: Location of HBRSEP

The HBRSEP (Unit No. 2) consists of a pressurized water reactor with a design rating of 800 MWe (Megawatts electric). The site is shared with a pulverized coal unit (Unit No.1), which established commercial operation in 1960. Commercial production was initiated by Unit No. 2 on March 7, 1971. The HBRSEP is located in Darlington County, South Carolina. The site is along state route 151 approximately five (5) miles northwest of Hartsville, South Carolina and is displayed on the map of northeastern South Carolina (Figure 1). The site is also approximately twenty five (25) miles northwest of Florence, South Carolina.

Lake Robinson is adjacent to the plant and is the source of cooling water. The lake was impounded during the construction of Robinson Unit No.1 (coal fired). The lake is fed by Black Creek and is approximately 2,250 acres in area. The plant intake is at the southern portion of the lake near the dam. The discharge is to a canal which conveys the cooling water to a point 4.2 miles north of the plant, where it returns to Lake Robinson.

The local economy supports primarily industrial and agricultural contributions. Fishing, boating, and swimming are popular activities on Lake Robinson and other nearby lakes. These activities contribute to the radiological pathways by consumption of fish and immersion related to swimming and boating. Consumption of milk and food products contributes to the ingestion pathway. No milk animals are located within five miles of the plant in any sector at this time, so broadleaf sampling is conducted to simulate the milk ingestion pathway.

RADIOLOGICAL MONITORING PROGRAM QUALITY ASSURANCE

A required component of the environmental radiological monitoring program is the Quality Assurance Program. The standards for the Quality Assurance Program are established in the NRC Regulatory Guide (R.G.) 4.15, "Quality Assurance for Radiological Monitoring Programs. According to R.G. 4.15, the purpose of the Quality Assurance Program is to "(1) to identify deficiencies in the sampling and measurement processes to those responsible for these operations so that corrective action can be taken, and (2) to obtain some measure of confidence in the results of the monitoring programs in order to assure the regulatory agencies and the public that the results are valid." NRC Regulatory Guide 4.15 B, Pg. 4.15-2. This provides the opportunity to implement corrective actions that address possible deficiencies. Examples of the activities of the Quality Assurance Program include:

- regular review of sample collection and records
- regular review of laboratory procedures and methods
- participation in an Environmental Interlaboratory Comparison Program, which provides an independent assessment of the quality of laboratory results.
- the use of known concentrations of radioactivity in test samples by the laboratory to ensure consistent quality results on an ongoing basis.

RADIOLOGICAL MONITORING PROGRAM GENERAL DESCRIPTION

Although the contribution to background radiation is small, Carolina Power & Light Company; also known as Progress Energy Carolinas, Inc.; has established this program to measure the exposure pathways to man. An exposure pathway describes the source of the radiological exposure. The primary forms of potential radiological emissions from the plant are airborne and liquid discharge. The pathways monitored are external dose, ingestion of radioactive materials, and the inhalation of radioactive material. Specific methods and different environmental media are required to assess each pathway. Table 1 provides a list of the media used to assess each of these pathways.

Table 1

Media Used to Assess Exposure Pathways to Man

Pathway of Exposure to Man	Media Sampled
External Dose	Aquatic Vegetation Ground Water Shoreline Sediment Surface Water Thermoluminescent Dosimetry(TLD)
Ingestion	Broadleaf Vegetation Food Products Fish Ground Water Surface Water
Inhalation	Air Samples (Particulate & Radioiodine)

Sampling Locations

Sampling locations are chosen based upon meteorological factors, pre-operational monitoring, and results of the land use surveys. A number of locations are selected as controls. Control stations are selected because they are very unlikely to be affected by operation of the plant. Sample locations may be seen in Figures 2 and 3. A description of each sample location may be found in Table 2.

Radiological Sampling Locations

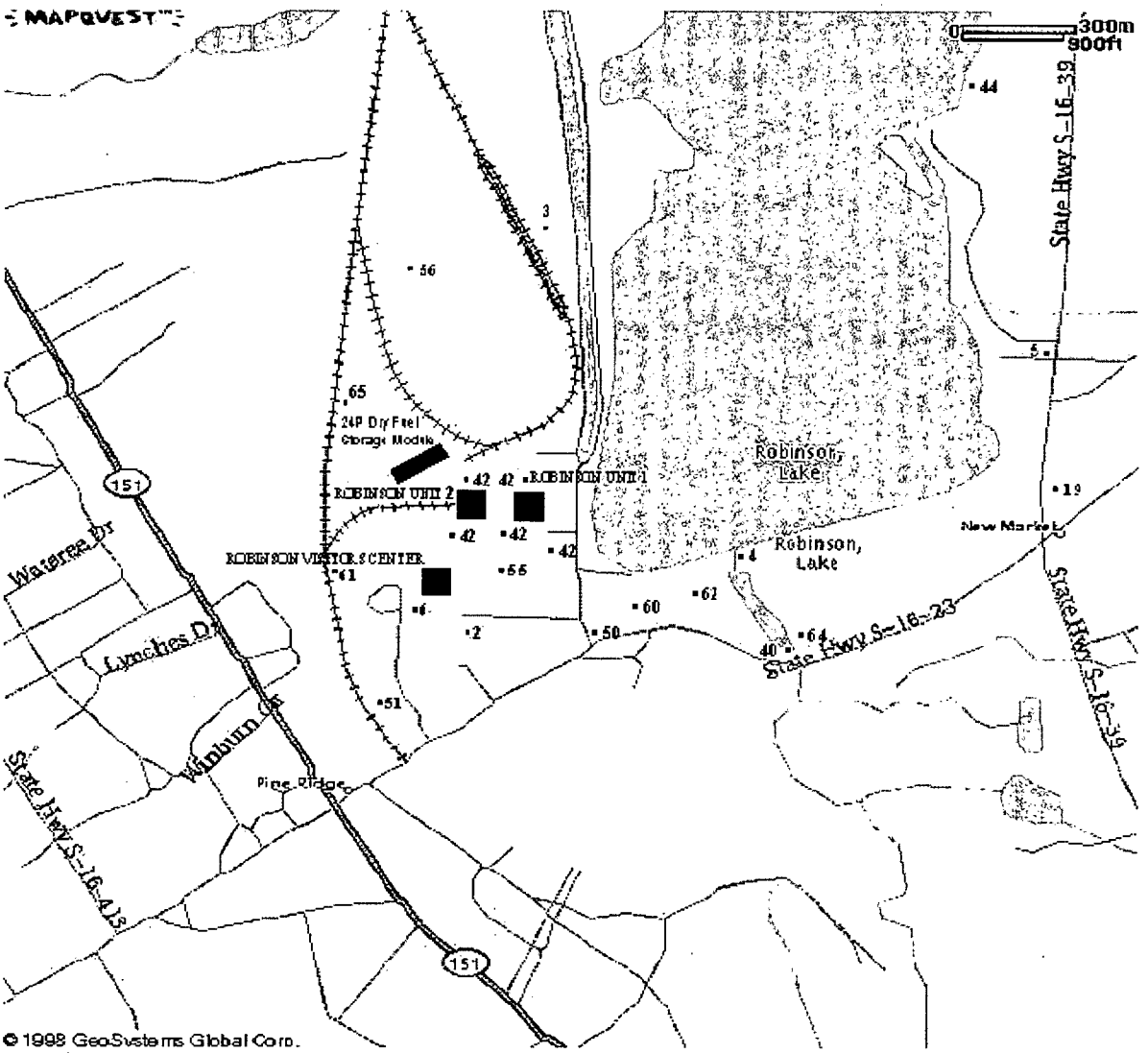


Figure 2: Radiological Sampling Locations (Near Plant)

Stations not shown include 1, 7-18, 20-39, 41, 45, 46, 47, 49, 52, 54, 57, 58, and 66.

Sample Types	Sample Locations
Air Cartridge & Particulate	1-7, 55, 60, 61
Shoreline Sediment	44, 57
Ground Water	42, 64
Broadleaf Vegetation	50, 51, 52, 62
Surface Water	40, 41, 57, 66
Thermoluminescent Dosimeter	1-39, 55, 56, 61, 65
Fish	45-47
Food Products	49, 54, 58
Aquatic Vegetation & Bottom Sediment	41, 45, 46, 54, 66

Radiological Sampling Locations

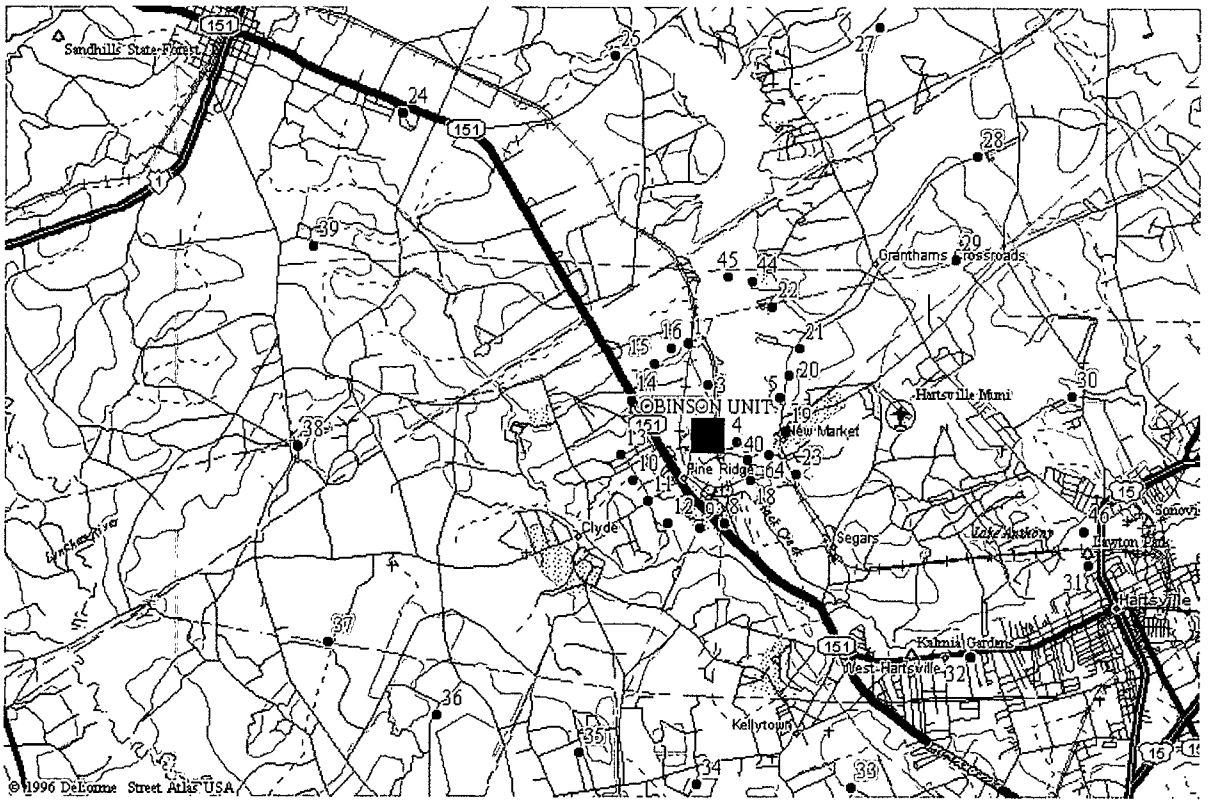


Figure 3: Radiological Sampling Locations (Distant from Plant)

Stations not shown include 1, 2, 6, 7, 26, 41, 42, 47 (varies), 49 (varies), 50, 51, 52, 54, 55, 56, 57, 58 (varies), 60, 61, 62, 65, and 66.

Sample Types	Sample Locations
Air Cartridge & Particulate	1-7, 55, 60, 61
Shoreline Sediment	44, 57
Ground Water	42, 64
Broadleaf Vegetation	50, 51, 52, 62
Surface Water	40, 41, 57, 66
Thermoluminescent Dosimeter	1-39, 55, 56, 61, 65
Fish	45-47
Food Products	49, 54, 58
Aquatic Vegetation & Bottom Sediment	41, 45, 46, 54, 66

Table 2

Radiological Monitoring Sampling Locations
for
H. B. Robinson Steam Electric Plant, Unit No. 2 (HBRSEP)

Sample Type	Location & Description	Frequency	Sample Size	Analysis
Air Cartridge (AC)	1--24.4 miles ESE Florence, S.C.* 2--0.2 miles S Information Center 3--0.5 miles N Microwave Tower 4--0.4 miles ESE Spillway 5--0.9 miles ENE East shore of lake near Johnson's Landing 6--0.2 miles SSW Information Center 7--6.4 miles ESE CP&L facility on RR Ave., Hartsville 55--0.2 miles SSE South of West Settling Pond 60--0.2 miles SE Robinson Picnic Area 61--0.3 miles WSW West Parking lot near RR tracks	Weekly	510 m^3	Iodine
Air Particulate (AP)	1--24.4 miles ESE Florence, S.C.* 2--0.2 miles S Information Center 3--0.5 miles N Microwave Tower 4--0.4 miles ESE Spillway 5--0.9 miles ENE East shore of lake near Johnson's Landing 6--0.2 miles SSW Information Center 7--6.4 miles ESE CP&L facility on RR Ave., Hartsville 55--0.2 miles SSE South of West Settling Pond 60--0.2 miles SE Robinson Picnic Area 61--0.3 miles WSW West Parking lot near RR tracks	Weekly	510 m^3	Gross Beta (Weekly) Composite Gamma (Quarterly)
Fish (FI)	45--Site varies within Lake Robinson 46--Site varies within Prestwood Lake 47--Control station, Any lake not influenced by plant discharge*	Semiannual	495 grams (wet)	Gamma (edible portions)
Broadleaf Vegetation (BL)	50--SSE Close to Site Boundary 51--SSW Close to Site Boundary 52--10 miles W near Bethune* 62--SE Close to Site Boundary	Monthly (As available)	350 grams (wet)	Gamma Iodine
Shoreline Sediment (SS)	44--1.6 miles NNE East shore of lake, Shady Rest Club 57--Ash Pond	Semiannual	575 grams	Gamma
Aquatic Veg. (AV) & Bottom Sediments (SD)	46--Site varies within Prestwood Lake 41--8.0 miles N Black Creek at US Hwy 1* 45--Site varies within Lake Robinson 54--10.1 miles E Auburndale Plantation 66--Black Creek between Prestwood Lake discharge & upstream of Sonoco spray farm	Annual (Location 66 as of 8/07)	420 grams and 575 grams	Gamma
Ground Water (GW)	64--0.6 miles SE Artesian well 42--Unit 1 or Unit 2 deep well	Quarterly	4 liters	Gamma Tritium
Surface Water (SW)	40--0.6 miles ESE Black Creek at Old Camden Road (S-16-23) 41--8.0 miles N Black Creek at US Hwy 1* 57--Ash Pond 66--Black Creek between Prestwood Lake discharge & upstream of Sonoco spray farm	Monthly Composite	4 liters	Gamma Tritium
Food Products (FP)	58--Site varies from plant 49--10.0 miles W or greater than 5 miles from plant * 54--10.1 miles E Auburndale Plantation	Annual at Harvest	350 grams	Gamma (edible portions)

* Control Stations

Table 2 (Continued)

Radiological Monitoring Sampling Locations
for
H. B. Robinson Steam Electric Plant, Unit No. 2 (HBRSEP)

Sample Type	Location & Description	Frequency	Sample Size	Analysis
Thermoluminescent Dosimetry (TLD)	1--24.4 miles ESE Florence, S.C. * 2--0.2 mile S Information Center 3--0.5 mile N Microwave Tower 4--0.4 mile ESE Spillway 5--0.9 mile ENE East shore of lake near Johnson's Landing 6--0.2 mile SSW Information Center 7--6.4 miles ESE CP&L Facility on RR Ave., Hartsville 8--0.8 mile SSE Transmission right-of-way 9--1.0 mile S Transmission right-of-way 10--1.0 mile WSW Clyde Church of God 11--1.0 mile SW Old Camden Road 12--1.2 miles SSW off of Old Camden Road 13--0.7 miles W Corner of Saluda and Sandpit Roads 14--0.8 mile WNW First Baptist Church of Pine Ridge 15--0.7 miles NW Transmission right-of-way 16--1.0 mile NNW South side of Darlington Co. IC Turbine Plant 17--1.2 miles N Darlington Co. Plant emergency fire pump 18--0.7 mile SE Near Old Black Creek RR trestle 19--1.0 mile E Old Camden Road (#S-16-23) 20--1.0 mile ENE New Market Road (#S-16-39) 21--1.4 miles NE New Market Road (#S-16-39) 22--1.7 miles NNE Shady Rest entrance off of Cloverdale Drive 23--1.0 miles ESE New Market Road (#S-16-39) 24--4.6 miles NW Sowell Road (#S-13-711) 25--4.0 miles NNW Lake Robinson Road (#S-13-346) 26--5.0 miles N Lake Robinson Road (#S-13-346) 27--5.4 miles NNE Prospect Church Road (#S-13-763) 28--4.3 miles NE New Market Road (#S-13-39) 29--4.0 miles ENE Ruby Road (#S-16-20) 30--4.4 miles E Ruby Road (#S-16-20) 31--4.6 miles ESE on Lakeshore Drive 32--4.0 miles SE Transmission right-of-way 33--4.5 miles SSE on Bay Road (#S-16-493) 34--4.7 miles S on Kellybell Road (#S-16-772) 35--4.5 miles SSW Kelly Bridge Road (#S-31-51) 36--5.0 miles SW on Kingston Drive 37--5.0 miles WSW Pine Cone Road 38--4.9 miles W at Union Church Road 39--5.1 miles WNW King's Pond Road 55--0.2 miles SSE South of the West Settling Pond 56--0.4 miles NNW North of the center of the 7P-ISFSI 61--0.3 miles WSW West parking lot near RR tracks 65--0.3 miles WNW Northwest of the 24P-ISFSI	Quarterly	Not Applicable	TLD Reading Gamma Dose

*Control Station

SUMMARY OF RADIOLOGICAL MONITORING PROGRAM

The Radiological Environmental Monitoring Program (REMP) was conducted in accordance with the HBRSEP Off-Site Dose Calculation Manual (ODCM) and approved procedures.

The purpose of the REMP is to measure accumulation of radioactivity in the environment, to determine whether this radioactivity is the result of the operation of the HBRSEP, Unit No. 2, and to assess the potential dose to the off-site population based on the cumulative measurements of radioactivity of plant origin. Approximately 1,409 samples were collected from indicator and control locations and 1,460 analyses and measurements were made during 2007. Detectable radioactivity resulting from plant operation was found in 28 out of 29 indicator samples of surface water (Table 4). Only the tritium activity in fish samples constituted a potential source of public exposure. Using the methodology of Regulatory Guide 1.109 "Calculation of Annual Doses to Man from Routine Releases of Reactor Effluents for the Purpose of Evaluating Compliance with 10 CFR Part 50, Appendix I, Revision 1, dated October 1977," the greatest potential exposure to an individual of the public (being an adult) from the fish consumption of approximately 46 pounds (21 kg) of fish per year and assuming that tritium concentration is in equilibrium with the fish flesh is 0.004 millirem per year.

1. A statistical summary of all the data gathered in 2007 has been compiled in Table 3.

2. Radioactivity in environmental samples attributed to plant operations in 2007, for which there is a potential dose pathway to the public, is summarized in Table 4.

3. All detectable radionuclides in the environmental samples for 2007 were less than reporting levels as defined in HBRSEP ODCM. Table 5 summarizes the reporting levels.

4. Environmental sampling and analyses performed during 2007 demonstrated that the HBRSEP, Unit No. 2 continues to operate with minimum impact on the environment and minimal dose to the general public.

5. The following locations are used as control locations and are intended to indicate conditions away from the HBRSEP influence:

Thermoluminescent Dosimeters, Airborne and Particulate Samples	24.4 miles ESE, Florence, S.C. (Location 1)
Surface Water, Bottom Sediment, and Aquatic Vegetation	8.0 miles N, Black Creek at US Highway 1 (Location 41)
Fish	Any lake not influenced by plant discharge (Location 47)
Broadleaf Vegetation	10 Miles W, near Bethune (Location 52)
Food Products	10.0 miles W or greater than 5 Miles from plant (Location 49 - Bethune - site varies)

TABLE 3
H. B. Robinson Steam Electric Plant, Unit No. 2 (HBRSEP)
RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM DATA SUMMARY

H. B. Robinson Steam Electric Plant, Unit No. 2
Darlington County, South Carolina

Docket Number - 50-261
Calendar Year 2007

Medium or Pathway Sampled or Measured (Unit of Measurement)	Type and Total No. of Measurements Performed	Lower Limit of Detection (LLD)[1]	All Indicator Locations Mean Range[2]	Location w/Highest Annual Mean: Name, Distance, and Direction	Location w/Highest Annual Mean: Mean Range[2]	Control Locations Mean Range[2]	Number of Nonroutine Reported Measurements
Air Cartridge (pCi/m^3)	I-131 529[3]	6.3E-2	All less than LLD	---------	---------	All less than LLD	0
Air Particulate (pCi/m^3)	Gross Beta 529[3]	2.2E-3	2.37E-2 (476/477) 1.09E-2 - 4.51E-2	CP&L Facility on RR Ave., Hartsville 6.4 miles ESE	2.71E-2 (53/53) 1.52E-2 - 4.51E-2	2.23E-2 (53/53) 1.28E-2 - 3.42E-2	0
	Gamma 40	See Table 6	All less than LLD	---------	---------	All less than LLD	0
Aquatic Vegetation[5] (pCi/g, wet)	Gamma 4 Co-58	5.1E-2	7.57E-2 (3/3) 2.22E-2 – 1.70E-1	Site varies within Lake Robinson	1.70E-1 (1/1) Single value	All less than LLD	0
Broadleaf Vegetation (pCi/g, wet)	Gamma 64 [3][4] Cs-137	6.6E-2	4.14E-2 (17/48) 1.56E-2 – 1.32E-1	Close to Site Boundary SSW	5.38E-2 (2/16) 2.72E-2 – 8.04E-2	3.25E-2 (4/16) 1.85E-2 – 4.20E-2	0
Fish (pCi/g, wet) Free-Swimmer	Gamma 6 K-40	1.1E+0	2.83E+0 (4/4) 2.36E+0 – 3.55E+0	Site varies within Lake Robinson	3.17E+0 (2/2) 2.80E+0 – 3.55E+0	2.57E+0 (2/2) 2.49E+0 – 2.65E+0	0
	Cs-137	1.1E-1	4.62E-2 (4/4) 3.59E-2 – 5.39E-2	Site varies within Prestwood Lake	5.15E-2 (2/2) 4.90E-2 – 5.39E-2	6.74E-2 (2/2) 6.19E-2 – 7.29E-2	0
Fish (pCi/g, wet) Bottom-Feeder	Gamma 6 K-40	1.1E+0	2.39E+0 (4/4) 2.23E+0 – 2.58E+0	Site varies within Lake Robinson	2.52E+0 (2/2) 2.46E+0 – 2.58E+0	2.45E+0 (2/2) 2.34E+0 – 2.56E+0	0
	Cs-137	1.1E-1	3.39E-2 (3/4) 3.14E-2 – 3.80E-2	Site varies within Lake Robinson	3.63E-2 (2/2) 3.46E-2 – 3.80E-2	3.83E-2 (2/2) 3.44E-2 – 4.22E-2	0

TABLE 3 (Cont.)
HBRSEP
RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM DATA SUMMARY

H. B. Robinson Steam Electric Plant, Unit No. 2
Darlington County, South Carolina

Docket Number - 50-261
Calendar Year 2007

Medium or Pathway Sampled or Measured (Unit of Measurement)	Type and Total No. of Measurements Performed	Lower Limit of Detection (LLD) [1]	All Indicator Locations Mean Range[2]	Location w/Highest Annual Mean		Control Locations Mean Range[2]	Number of Nonroutine Reported Measurements
				Name, Distance, and Direction	Mean Range[2]		
Food Products (pCi/g, wet)	Gamma 4[3] K-40	5.4E-1	2.80E+0 (2/2) 1.79E+0 – 3.80E+0	Site varies from Plant	2.80E+0 (2/2) 1.79E+0 – 3.80E+0	2.79E+0 (2/2) 2.27E+0 – 3.31E+0	0
	Cs-137	6.6E-2	All less than LLD	----------	----------	All less than LLD	0
Ground Water (pCi/l)	Gamma 10	See Table 6	All less than LLD	----------	----------	No control	0
	Tritium 10	3.50E+2 (10/10)[7]	All less than LLD	----------	----------	No control	0

TABLE 3 (Cont.)
HBRSEP
RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM DATA SUMMARY

H. B. Robinson Steam Electric Plant, Unit No. 2
Darlington County, South Carolina

Docket Number - 50-261
Calendar Year 2007

Medium or Pathway Sampled or Measured (Unit of Measurement)	Type and Total No. of Measurements Performed	Lower Limit of Detection (LLD)[1]	All Indicator Locations Mean Range[2]	Location w/Highest Annual Mean		Control Locations Mean Range[2]	Number of Nonroutine Reported Measurements
				Name, Distance, and Direction	Mean Range[2]		
Shoreline Sediment (pCi/g, dry)	Gamma 4	See Table 6	All less than LLD	---------	---------	No Control	0
Bottom Sediment[5] (pCi/g, dry)	Gamma 4 Co-60	1.9E-1	1.11E-1 (2/3) 1.09E-1 – 1.13E-1	Site varies within Lake Robinson	1.13E-1 (1/1) Single value	All less than LLD	0
	Cs-137	1.1E-1	3.96E-1 (3/3) 4.04E-1 – 6.86E-1	Site varies within Lake Robinson	6.86E-1 (1/1) Single value	8.96E-2 (1/1) Single value	0

TABLE 3 (Cont.)
HBRSEP
RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM DATA SUMMARY

H. B. Robinson Steam Electric Plant, Unit No. 2
Darlington County, South Carolina

Docket Number - 50-261
Calendar Year 2007

Medium or Pathway Sampled or Measured (Unit of Measurement)	Type and Total No. of Measurements Performed	Lower Limit of Detection (LLD)[1]	All Indicator Locations Mean Range[2]	Location w/Highest Annual Mean: Name, Distance, and Direction	Location w/Highest Annual Mean: Mean Range[2]	Control Locations Mean Range[2]	Number of Nonroutine Reported Measurements
Surface Water (pCi/l)	Gamma 41	See Table 6	All less than LLD	---------	---------	All less than LLD	0
	Tritium 41	3.50E+2 (41/41)[7]	1.52E+3 (28/29) 5.91E+2 – 4.48E+3	Black Creek at Old Camden 0.6 miles ESE	2.03E+3 (12/12) 9.10E+2 – 4.48E+3	All less than LLD	0
TLD (mR/qtr)[6]	TLD 168[3]	N/A	1.40E+1 (164/168) 9.20E+0 - 2.11E+1	Kelly Bridge Rd. (#S-31-51) 4.5 miles SSW	1.99E+1 (4/4) 1.88E+1 - 2.11E+1	1.27E+1 (4/4) 1.20E+1 - 1.33E+1	0

FOOTNOTES TO TABLE 3

1. Lower Limit of Detection (LLD) is the smallest concentration of radioactive material in a sample that will yield a net count above system background that will be detected with 95 percent probability with only 5 percent probability of falsely concluding that a blank observation represents a "real" signal. Due to counting statistics and varying volumes, occasionally lower LLDs are achieved.

2. Mean and range are based on detectable measurements only. The fractions of detectable measurements at specific locations are indicated in parentheses.

3. Missing samples are discussed in Missed Surveillances.

4. Three types of broadleaf vegetation samples are collected monthly when available from four locations for a possible total of 144 samples.

5. Bottom sediment and aquatic vegetation sampling are not required by plant Offsite Dose Calculation Manual (ODCM). Sampling and analysis is performed to monitor any radionuclide buildup in the lake.

6. TLD exposure is reported in milliroentgen (mR) per 90-day period (quarter) beginning in 1995.

7. In the past, the tritium LLD was lowered to 3.50E+2 pCi/L for samples that typically demonstrate activity less than the LLD (groundwater and surface water control). The LLD was lowered to be consistent with the LLD used by the state laboratory. Other samples that typically exhibit activity greater than the LLD have a tritium Lower Limit of Detection (LLD) of 1.0E+3 pCi/L.

TABLE 4

Potential Dose Pathways

Sample Media	Radionuclide	Highest Annual Mean (Average) Concentration and Occurrence	Maximum Individual Dose
Surface Water	H-3	2.03E+3 (pCi/L) (12/12)	0.004 millirem/yr (from fish)

TABLE 5

Reporting Levels for Radioactivity Concentrations

in Environmental Samples

Radionuclide	Water (pCi/l)	Airborne (pCi/m^3)	Fish (pCi/kg, wet)	Milk (pCi/l)	Food Products (pCi/kg, wet)
H-3	3E+04	----	----	----	----
Mn-54	1E+03	----	3E+04	----	----
Fe-59	4E+02	----	1E+04	----	----
Co-58	1E+03	----	3E+04	----	----
Co-60	3E+02	----	1E+04	----	----
Zn-65	3E+02	----	2E+04	----	----
Zr-Nb-95	4E+02	----	----	----	----
I-131	2E+00	9E-01	----	3E+00	1E+02
Cs-134	3E+01	1E+01	1E+03	6E+01	1E+03
Cs-137	5E+01	2E+01	2E+03	7E+01	2E+03
Ba-La-140	2E+02	----	----	3E+02	----

INTERPRETATIONS AND CONCLUSIONS

Air Sampling

Air samples collected during 2007 had a mean gross beta activity of 2.37E-2 pCi/m^3 for the indicator stations versus an average concentration of 2.23E-2 pCi/m^3 for the control stations. These data are essentially unchanged from 2006; they are consistent with pre-operational data obtained for the HBRSEP Unit No. 2 (1.40E-1 pCi/ m^3), and reflect the occurrence of naturally occurring radionuclides of the region. The lower current value is primarily due to the reduction of worldwide fallout that was occurring during the pre-operational years. Figures 4 through 12 provide a graphic representation of the gross beta activity at the indicator locations compared to the control location for 2007. These figures confirm that the indicator stations show no significant increase over the control samples and hence no discernible impact from the plant operation is apparent in the data. Air samplers that experienced down time of greater than 30 hours in a surveillance period are referred to as missed surveillances and discussions can be located in the Missed Surveillances Section of this report. The air samplers operated for a total of 99.6% availability for the 2007 year.

The quarterly composite gamma analyses for air particulate samples for all quarters revealed no radionuclides typical of plant effluents.

There was no Iodine-131 (I-131) detected in any of the 476 air cartridge (AC) samples from the indicator stations and 53 air cartridges from the control location in 2007.

Broadleaf Vegetation

Broadleaf vegetation sampling is accomplished by collecting cherry, sassafras, and wax myrtle leaves in 2007. Three species of samples, when available, are collected monthly at four locations (one control and three indicator locations at the site boundary selected using historical meteorology with the highest calculated annual average ground level deposition). Broadleaf sampling is conducted since no milk animals are located within a radius of approximately five miles of the plant and is used to simulate dose to an individual via the milk pathway for compliance purposes.

During 2007, 17 of 48 samples taken from the indicator sites demonstrated detectable concentrations of Cs-137 for an average value of 4.14E-2 pCi/g (wet). The control samples had detectable concentrations of Cs-137 in 4 of 16 samples with a mean concentration of 3.25E-2 pCi/g (wet). Upon comparing these results, it is concluded that the indicator values reflect fallout Cs-137 contamination. Past sampling experience further supports this interpretation.

Fish

Samples of free-swimming and bottom-feeding fish were taken from Lake Robinson and Prestwood Lake (the first downstream lake) and compared to similar fish from a control lake, which is unaffected by plant operation. During 2007, 3 out of 4 bottom-feeding fish and 4 out of 4 free-swimming fish (indicator sites) demonstrated detectable concentrations of Cs-137 for an average value of 3.39E-2 pCi/g (wet) and 4.62E-2 pCi/g (wet), respectively. The control samples had detectable concentrations of Cs-137 for 2 out of 2 bottom-feeding fish and 2 out of 2 free-swimming fish for an average concentration of 3.83E-2 pCi/g (wet) and 6.74E-2 pCi/g (wet), respectively. Upon comparing these results, it is concluded that the indicator values reflect fallout Cs-137 contamination. Past sampling experience further supports this interpretation.

Ground Water

No gamma activity associated with plant operations or tritium activity was detected in the ten samples of ground water collected in 2007, which is consistent with the observations in previous years.

Milk

Broadleaf sampling is conducted since no milk animals are located within a radius of approximately five miles of the plant in any sector and is used to simulate dose to an individual via the milk pathway for compliance purposes.

Food Products

During 2007, since no gardens were irrigated with water influenced by the plant effluent, no food crops were required to be obtained. Nonetheless, some samples were obtained from control location (FP-49) and indicator location (FP-58) food products (collards and tomatoes). No gamma activity associated with plant operation was detected in any control or indicator samples in 2007.

Shoreline Sediment

In 2007, no gamma activity associated with plant operation was detected in any sample in the semiannual shoreline sediment samples. Only naturally occurring gamma activity was detected. Cs-137 activity seen in past years was attributed to worldwide fallout and not the plant operation. No Cs-137 activity was detected in 2007.

Bottom Sediment

Cs-137 activity was detectable in 3 of the 3 indicator bottom sediment samples in 2007, with an average concentration of 3.96E-1 pCi/g (dry). The control sample indicated detectable Cs-137 activity with a concentration of 8.96E-2 pCi/g (dry). Cobalt-60 (Co-60) activity was detectable in 2 of the 3 indicator samples with an average concentration of 1.11E-1 pCi/g (dry). No other gamma activity, except for naturally occurring gamma activity, was detected in the annual bottom sediment samples in 2007. The bottom sediment monitoring program added a sample location (SD-66) in August of 2007 at the request of ANI (American Nuclear Insurers) to monitor the effects of the plant on Prestwood Lake. The new location is not an ODCM requirement.

Aquatic Vegetation

In 2007, there were three aquatic vegetation indicator samples collected and one aquatic vegetation control sample collected. The aquatic vegetation samples collected pose no dose consequence since this is not a dose pathway. No gamma activity, except for naturally occurring

gamma activity, was detected in the annual control aquatic vegetation sample; however, Co-58 activity was detectable in 3 of 3 indicator samples with an average concentration of 7.57E-2 pCi/g (wet) in 2007. The aquatic vegetation monitoring program added a sample location (AV-66) in August of 2007 at the request of ANI (American Nuclear Insurers) to monitor the effects of the plant on Prestwood Lake. The new location is not an ODCM requirement.

Surface Water

Surface waters of Lake Robinson indicated the presence of tritium which is attributed to plant operation. Figure 13 displays the tritium activity throughout 2007. These surface waters do not supply drinking water at any downstream location and are not used for irrigation. Therefore, radiological dose via this pathway is limited to the consumption of fish from Lake Robinson. Using the methodology of Regulatory Guide 1.109, Equation A-1, (below) a dose of 0.004 millirem/year to the maximum exposed individual could be assigned to this pathway.

Equation A-1

$$R_{aipj} = C_{ip}\, U_{ap}\, D_{aipj}$$

where:

R_{aipj}	=	total body dose in mrem/yr due to H-3
C_{ip}	=	concentration of nuclide (H-3) in pCi/kg = pCi/l
U_{ap}	=	maximum exposed individual's consumption (Reg. Guide 1.109, Table E-5) (46 lbs. of fish per year = 21 kg of fish/yr.)
D_{aipj}	=	ingestion dose factor for total body of individual (adult) in U_{ap} in mrem/pCi (Reg. Guide 1.109 Table E-11)

The monthly composite gamma analyses for surface water samples revealed no radionuclides typical of plant effluents. The surface water monitoring program added a sample location (SW-66) in August of 2007 at the request of ANI (American Nuclear Insurers) to monitor the effects of the plant on Prestwood Lake. The new location is not an ODCM requirement.

External Radiation

Direct radiation exposure in the HBRSEP environs was measured by the placement of thermoluminescent dosimeters (TLDs) around the plant forming an inner ring at approximately 1 mile and an outer ring at approximately 5 miles. The average of inner versus outer ring dose measurements is shown on Figure 14.

Asiatic Clams

Benthic samples from Lake Robinson during 2007 continue to confirm the absence of any substantial populations of Asiatic clams (*Corbicula fluminia*). The natural chemistry of the lake (i.e., low alkalinity and hardness) inhibits their proliferation.

MISSED SURVEILLANCES

Air Cartridge and Air Particulates

Any REMP weekly air samples (Air Cartridge – AC or Air Particulate – AP (APAC)) that exceed 30 hours of down time in a surveillance period will be reported as a "missed surveillance". However, this sample will still be counted and the data reported; whereas a "missed sample" indicates that no sample was available and no data was reported.

All AP and AC samples were available for counting in 2007; however, one set of APAC samples was an outlier. The outlier was deemed to not be a representative result; therefore, it will be reported as a Missed Sample.

Missed Samples:

- APAC-55 May 7, 2007 – Total run time was 42.3 hours. Down time of 101.7 hours was due to the unit tripping due to an under voltage. The air sampler was found not running and the fuse was replaced, but still no response. Telemetry history was reviewed and notification items were updated to also include under voltage (NCR # 232234).

Missed Surveillances:

- APAC-55, April 9 – Total run time was 98.4 hours. The air sampler was found not running and the fuse was blown. Replaced the fuse and the unit was returned to service (NCR #228925).
- APAC-5, April 24 – Total run time was 118.1 hours. The air sampler was found running. No known cause for the down time was noted. This missed surveillance was determined during the annual review (NCR # 271436).
- APAC-6, July 16 – Total run time was 76.9 hours. The air sampler was found not running. The sampler had been struck by lighting on 6/23/07, the fuse was replaced but the sampler was not running continuously. It would stop running and restart itself. The telemetric modual was replaced and the sampler is running continuously (NCR # 239619).

Broadleaf Vegetation

Broadleaf vegetation (BL) samples were not available during the months of January, February, March, April, November, and December of 2007 due to the seasonal nature of broadleaf vegetation (NCR # 218932, 222671, 226124, 229470, 255614, and 259247). Only one type of broadleaf vegetation was available in October of 2007 for sampling due to the seasonal unavailability of the vegetation (NCR # 251829).

Thermoluminescent Dosimeters (TLDs)

Four of a possible 172 TLD samples were missing during 2007.

First Quarter: TLD # 26 was missing in the field from the power pole on which it was located. A search of the area did not locate the missing TLD (NCR # 228930).

Third Quarter: TLD # 11 was missing in the field due to the power pole it was located on was cut down. The area was searched, but the TLD could not be located (NCR # 249867).

TLD # 18 was missing in the field from a tree located near remnants of Black Creek Railroad trestle. The TLD could not be located (NCR # 249867).

Fourth Quarter: TLD # 30 was determined to be missing after TLD results were processed. A search of the HE & EC TLD Lab was conducted, but the TLD was not located. The cause of the missing TLD cannot be definitely determined, but two probable causes are: (1) package came in without a TLD in it or (2) the TLD was inadvertently disposed with the plastic bag from the HE & EC TLD Lab location. Improved handling and accountability of the TLDs upon receipt were discussed with personnel (NCR # 266130).

ANALYTICAL PROCEDURES

Gross Beta

Gross beta radioactivity measurements are made using a Tennelec Low-Background Alpha/Beta Counting System. The LLD for air particulates is approximately 2.2E-3 pCi/m^3.

Air particulate samples are mounted in 2-inch stainless steel planchets and typically counted directly for 50 minutes.

Tritium

Liquid samples requiring tritium analysis are treated with a small amount of sodium hydroxide, potassium permanganate crystals, and then distilled. Five milliliters of the distillate are mixed with thirteen milliliters of liquid scintillation cocktail and counted in a liquid scintillation counter typically for 200 minutes. The lower LLD (3.50E+2 pCi/L) was established for consistency with the state laboratory for valid comparisons.

Iodine-131

Iodine-131 airborne concentrations are analyzed by the intrinsic germanium (Ge) gamma spectrometry systems. The cartridges are placed on the detector and each charcoal cartridge is typically counted for 900 seconds individually with an approximate LLD of 6.3E-2 pCi/m^3.

Gamma Spectrometry

Gamma spectrum analysis uses intrinsic germanium detectors with thin aluminum windows housed in steel and lead shields. The analyzer system is the Canberra Nuclear 9900 Gamma Spectroscopy System. Table 6 summarizes LLD values derived from using the instrument with the worst sensitivity, typical sample volumes, typical count times, typical worst background count, and worst case on decay (from collection to counting).

Air particulate quarterly composite filters are placed in a Petri dish and analyzed directly for a typical count time of 2,000 seconds.

Liquid samples are boiled down to reduce the volume, transferred to a PB-50 beaker, and are typically analyzed directly for 8,400 seconds for groundwater and 40,000 seconds for surface water samples.

Shoreline and bottom sediments are dried, ground, weighed, and then analyzed in a 1-liter Marinelli beaker typically for 1,500 seconds.

Broadleaf and aquatic vegetation and food product samples are weighed wet and analyzed in a Marinelli beaker for typically 7,500 seconds.

Fish samples are prepared by stuffing small raw, edible portions of the fish in a 1-liter Marinelli beaker for gamma analysis and are typically counted for 3,200 seconds.

Thermoluminescent Dosimetry

Each area monitoring station includes a TLD packet, which is a polyethylene bag containing three calcium sulfate phosphors contained in a Panasonic UD-814 badge. The TLD is light tight and the bag is weather-resistant.

Dosimeters are machine annealed before field placement. Following exposure in the field, each dosimeter is read utilizing a Panasonic TLD reader. This instrument integrates the light photons emitted from traps as the dosimeter is heated. Calibration is calculated using dosimeters irradiated to known doses for each set of dosimeters measured. Prior to the measurement of each dosimeter, the instrument is checked through use of an internal constant light source as a secondary standard. The exposure reported is corrected for exposure received in transit and during storage through the use of control dosimeters.

Interlaboratory Comparison Program

The Radiochemistry Laboratory at the Harris Energy & Environmental Center in New Hill, North Carolina, provides radioanalytical services for Progress Energy Carolinas, Inc.'s nuclear plant radiological environmental surveillance programs. In fulfillment of ODCM Operational Requirements, the laboratory is a participant in the Eckert & Ziegler Analytics Environmental Cross Check Program and uses its performance in this program as a major determinant of the accuracy and precision of its analytical results.

The Interlaboratory Comparison Program entails measurements on each instrument that is used to determine concentrations of radioactive material in the various media that are analyzed as part of the REMP. From these individual measurements, average results are calculated for each sample medium. During 2007, 66 average analyses were completed on 16 samples representing seven major environmental media (i.e., water, milk, air filters, air filters composite, soil, air cartridges, and simulated vegetation). Data on the known activities, the uncertainties, and the ratios to the known for the 66 average analyses have been received from Eckert & Ziegler Analytics. The results were compared to the criteria established in the NRC Inspection Manual (Procedure 84750) for Radioactive Waste Treatment, Effluent, and Environmental Monitoring.

All of the 66 average analyses were within the acceptance criteria, except for one Gross Beta on Filter for Cs-137 result which fell outside the acceptable criteria (NCR # 267497). During 2007, each individual measurement (691 analyses) was evaluated; with all but twenty-five (25) of the individual measurements falling within the acceptable criteria (NCR # 273324). Any results that lie outside the ratio criteria have had an evaluation performed to identify any recommended remedial actions and to reduce anomalous errors. Complete documentation of any evaluation will be available and provided to the NRC upon request.

Lower Limits of Detection

The samples analyzed met the "a priori" LLD required by the ODCM. Typical "a priori" LLD values for the samples analyzed are listed in Table 6.

Table 6

Typical Lower Limits of Detection (a priori)

Gamma Spectrometry

Surface Water/Groundwater Samples	
Isotope	**LLD (pCi/L)**
Mn-54	3 / 5
Co-58	4 / 11
Fe-59	9 / 17
Co-60	5 / 12
Zn-65	8 / 17
Zr-Nb-95	7 - 5 / 13 - 9
I-131	14 / 11
Cs-134	5 / 8
Cs-137	4 / 7
Ba-La-140	33 - 11 / 40 - 14
Air Particulates (Quarterly Composite)	
Isotope	**LLD (pCi/m^3)**
Cs-134	0.004
Cs-137	0.003

Table 6 (cont.)

Sediments (Shoreline or Bottom)	
Isotope	**LLD (pCi/kg, dry)**
Cs-134	134
Cs-137	109
Fish	
Isotope	**LLD (pCi/kg, wet)**
Mn-54	86
Co-58	98
Fe-59	222
Co-60	110
Zn-65	217
Cs-134	114
Cs-137	110
Food Products and Vegetation / Aquatic	
Isotope	**LLD (pCi/kg, wet)**
I-131	51 / 54
Cs-134	54 / 52
Cs-137	66 / 44

LAND USE CENSUS

PURPOSE OF THE LAND USE CENSUS

The land use census identifies the pathways (or routes) that radioactive material may reach the general populations near commercial nuclear generating stations. This is accomplished by completing studies that identify how the surrounding lands are used by the population. A comprehensive census of the use of the land within a five-mile distance of the plant is completed once per 24 months during the growing season. This information is used for dose assessment and to identify changes to the stations sampled and the type of samples. These results ensure that the Radiological Environmental Monitoring Program (REMP) is based upon current data regarding human activity in the vicinity of the plant. Therefore, the purpose of the land use census is both to ensure the monitoring program is current, as well as provide data for the calculation of estimated radiation exposure.

The pathways that are evaluated are:

- Ingestion Pathway - Results from eating food products that may have radioactive materials deposited on them, incorporated radioactive materials from the soil or atmosphere. Another pathway is through drinking milk from local cows or goats if present. The grass used to feed these animals may have incorporated or had deposited on it radioactive materials that can be transferred to the milk.

- Direct Radiation Exposure Pathway- Results from deposition of radioactive materials on the ground or from passage of these radioactive materials in the air.

- Inhalation Pathway- Results from breathing radioactive materials transported in the air.

Methodology

The following must be identified within the five (5) mile radius of the plant for each of the sixteen meteorological sectors (compass direction the winds may blow, for example NNE [North North East]):

- The nearest resident
- The nearest garden of greater that 500 square feet, producing broadleaf vegetables
- The nearest milk animal
- The nearest meat/egg producing animal

The primary method is visual inspection from roadside within the five (5) mile radius. This information is supplemented with data from aerial photographs, information from county extension agents, farm supply businesses, and knowledge of the area.

Land Use Census Results

There was no Land Use Census performed in 2007 per RNP's ODCM 4.4.1, which states that the land use census shall be conducted once per 24 months during the growing season. The last RNP land use census was performed in June 2006. The 2006 and 2004 results of the survey for the nearest resident, garden, milk producing animal, and meat/egg producing animal for each meteorological sector are compared in Table 7.

No milk producing animals were identified within five-mile radius of the site in any sector. Also, no garden (at the time of the census) is currently growing leafy vegetables. Vegetables like tomatoes, squash, okra, cucumbers, watermelons, etc. are examples of the vegetables of choice for this area and are what is typically grown and sampled in the past. Sampling of these vegetables (non-leafy) will continue until leafy vegetables can be identified. Milk sampling will resume if a new sample location is identified.

TABLE 7

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2

LAND USE CENSUS COMPARISONS (2004-2006)
NEAREST PATHWAY (MILES)

SECTOR	RESIDENT		GARDEN		MEAT/ EGG		MILK	
	2004	2006	2004	2006	2004	2006	2004	2006
N	2.8	2.81*	3.3	3.31*	3.3	3.31	---	---
NNE	1.5	1.51	2.1	2.91*	4.3	2.75*	---	---
NE	1.0	1.03	2.6	1.09*	2.8	1.09*	---	---
ENE	0.8	0.83	1.1	1.06	2.4	2.44	---	---
E	0.9	0.90	0.8	1.05*	---	2.98*	---	---
ESE	0.6	0.62	0.7	1.28*	0.7	0.70	---	---
SE	0.4	0.38	1.9	1.90	2.0	2.0	---	---
SSE	0.4	0.40	2.4	2.37	2.4	2.37	---	---
S	0.4	0.40	0.5	2.25*	2.6	2.62	---	---
SSW	0.4	0.37	0.8	0.80	0.9	0.96	---	---
SW	0.5	0.50	1.0	1.0	3.5	3.54	---	---
WSW	0.5	0.50	0.6	0.60	0.6	1.0	---	---
W	0.5	0.50	0.5	2.82*	0.8	0.80	---	---
WNW	0.6	0.60	0.7	0.70	4.3	4.27	---	---
NW	1.6	1.59	2.0	2.47*	2.0	2.0*	---	---
NNW	2.0	2.0	3.5	3.51	---	2.33*	---	---

*Changes from 2004.

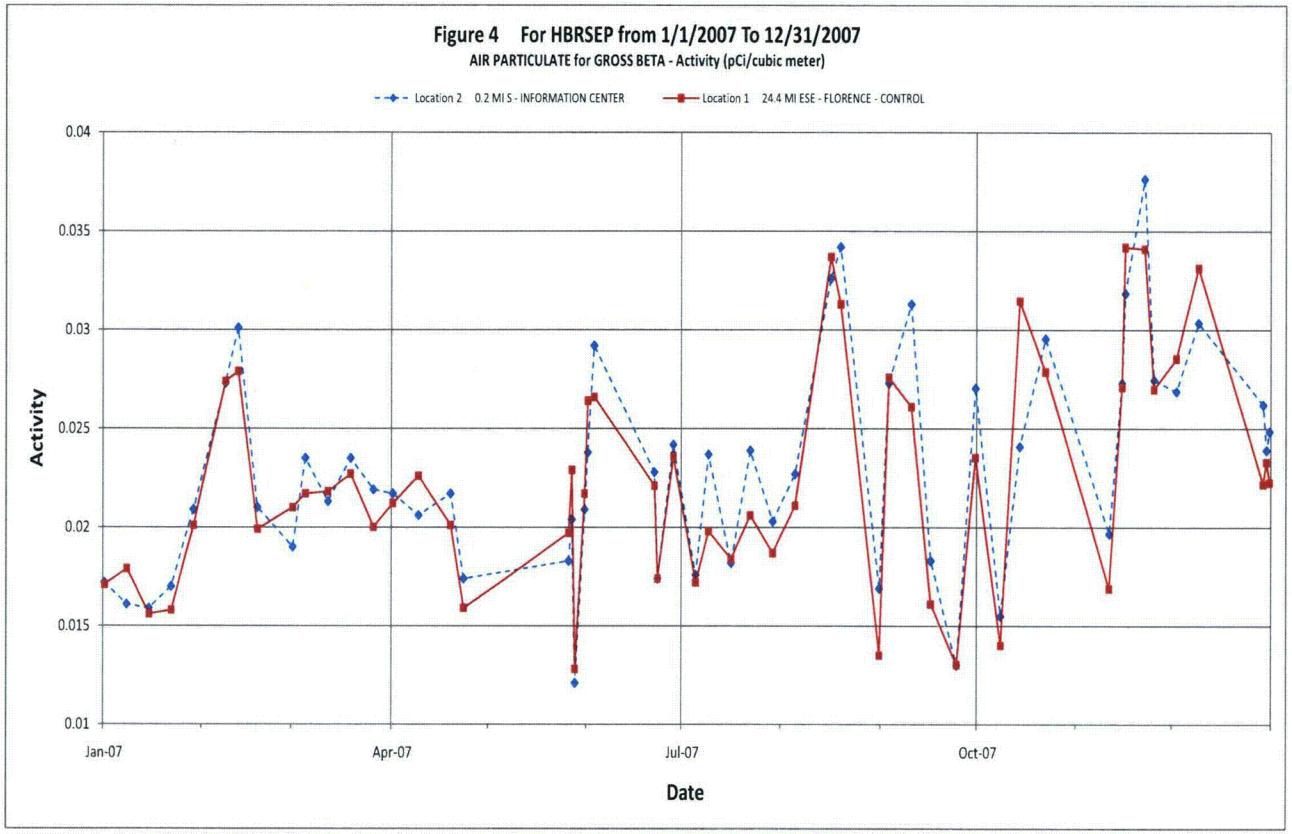


Figure 4 For HBRSEP from 1/1/2007 To 12/31/2007
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)
Location 2 0.2 MI S - INFORMATION CENTER
Location 1 24.4 MI ESE - FLORENCE - CONTROL
0.04
0.035
0.03
0.025
0.02
0.015
0.01
Activity
Jan-07
Apr-07
Jul-07
Oct-07
Date

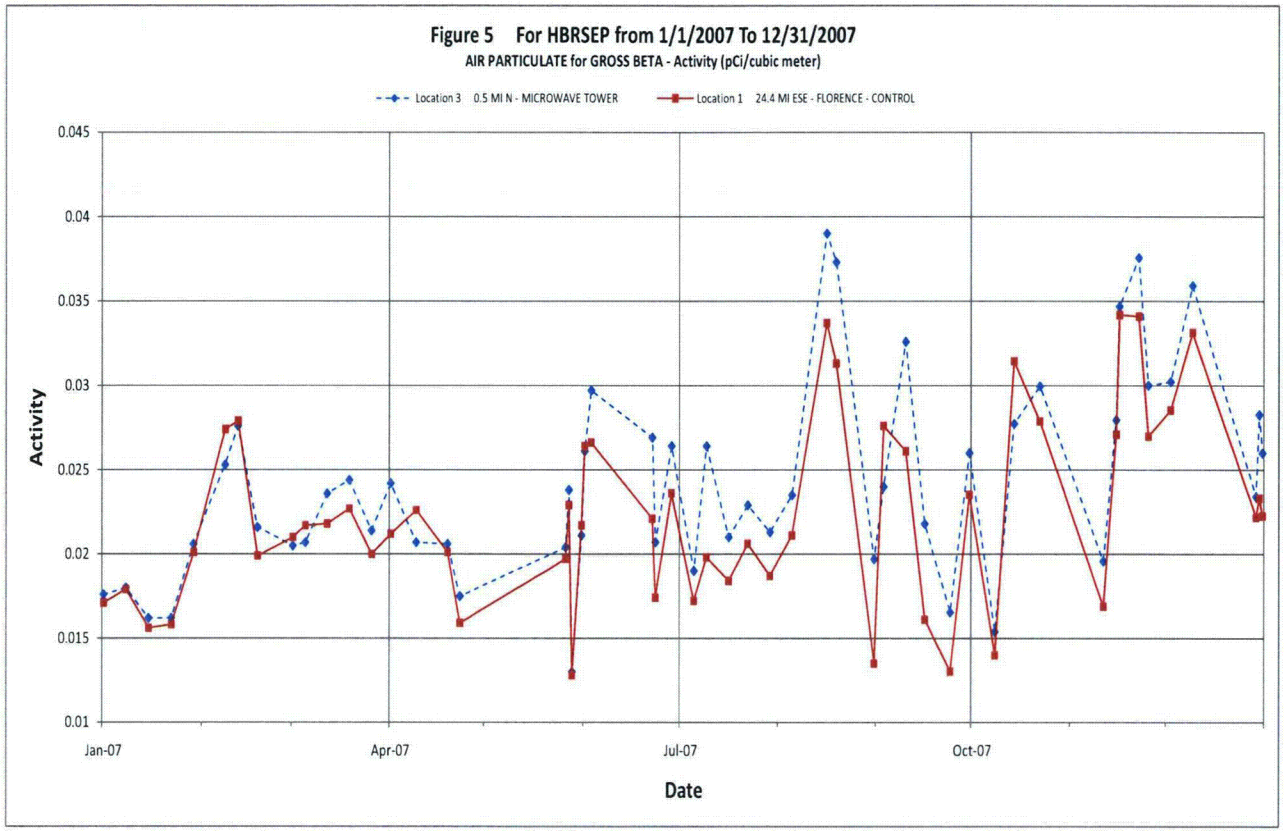


Figure 5 For HBRSEP from 1/1/2007 To 12/31/2007
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)
Location 3 0.5 MI N - MICROWAVE TOWER
Location 1 24.4 MI ESE - FLORENCE - CONTROL
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
Activity
Jan-07
Apr-07
Jul-07
Oct-07
Date

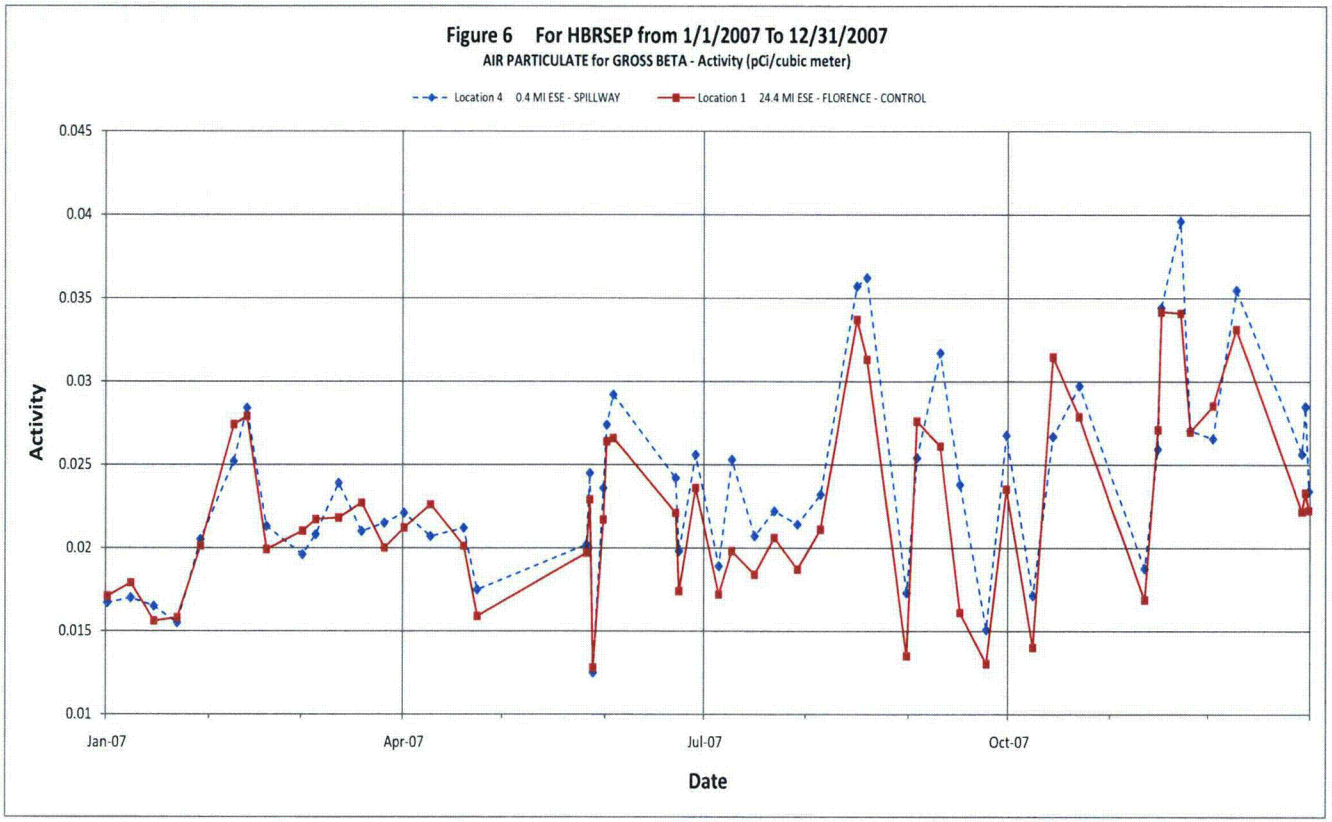


Figure 6 For HBRSEP from 1/1/2007 To 12/31/2007
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)
Location 4 0.4 MI ESE - SPILLWAY
Location 1 24.4 MI ESE - FLORENCE - CONTROL
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
Activity
Jan-07
Apr-07
Jul-07
Oct-07
Date

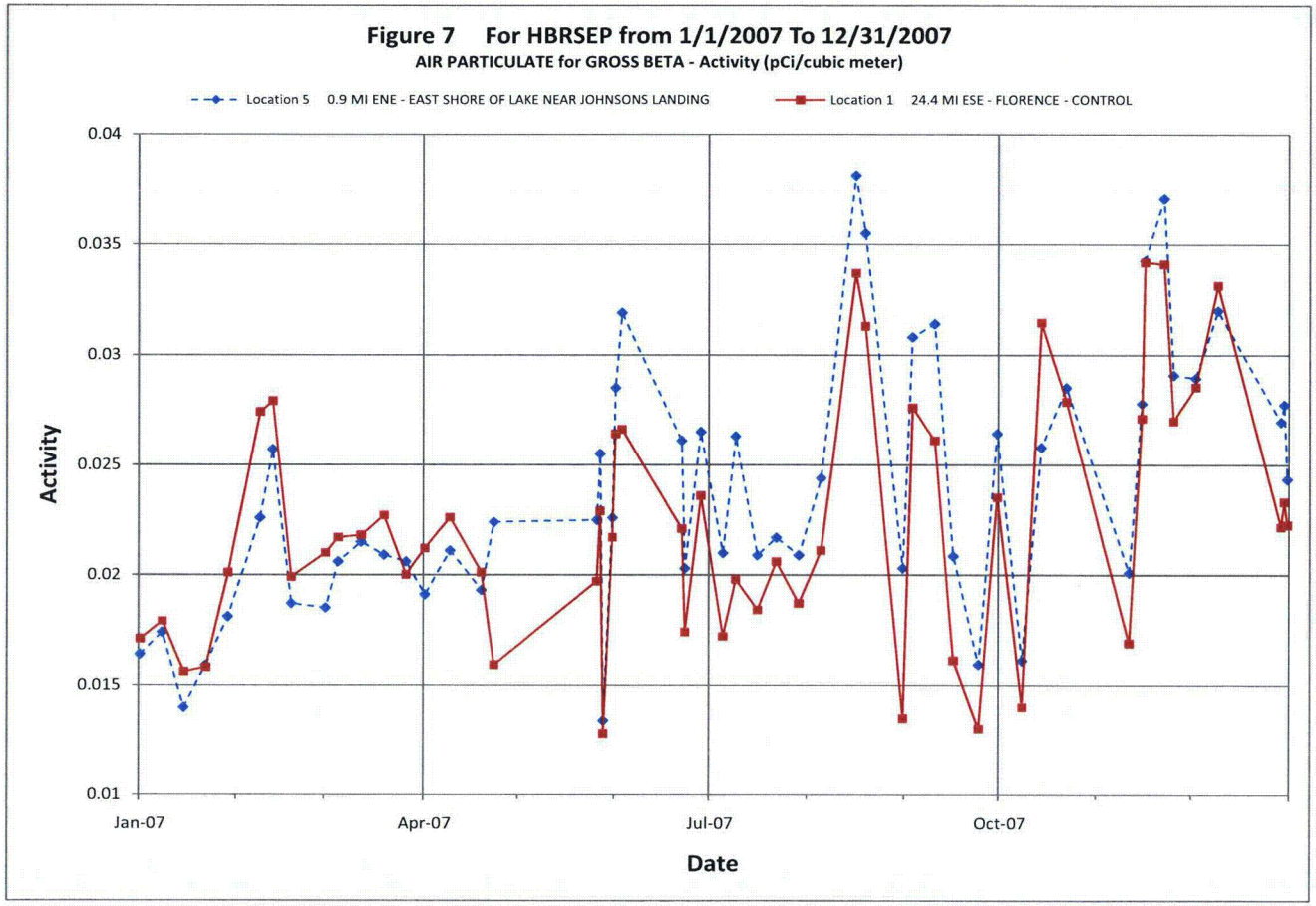


Figure 7 For HBRSEP from 1/1/2007 To 12/31/2007
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)
Location 5 0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSONS LANDING
Location 1 24.4 MI ESE - FLORENCE - CONTROL
0.04
0.035
0.03
0.025
0.02
0.015
0.01
Activity
Jan-07
Apr-07
Jul-07
Oct-07
Date

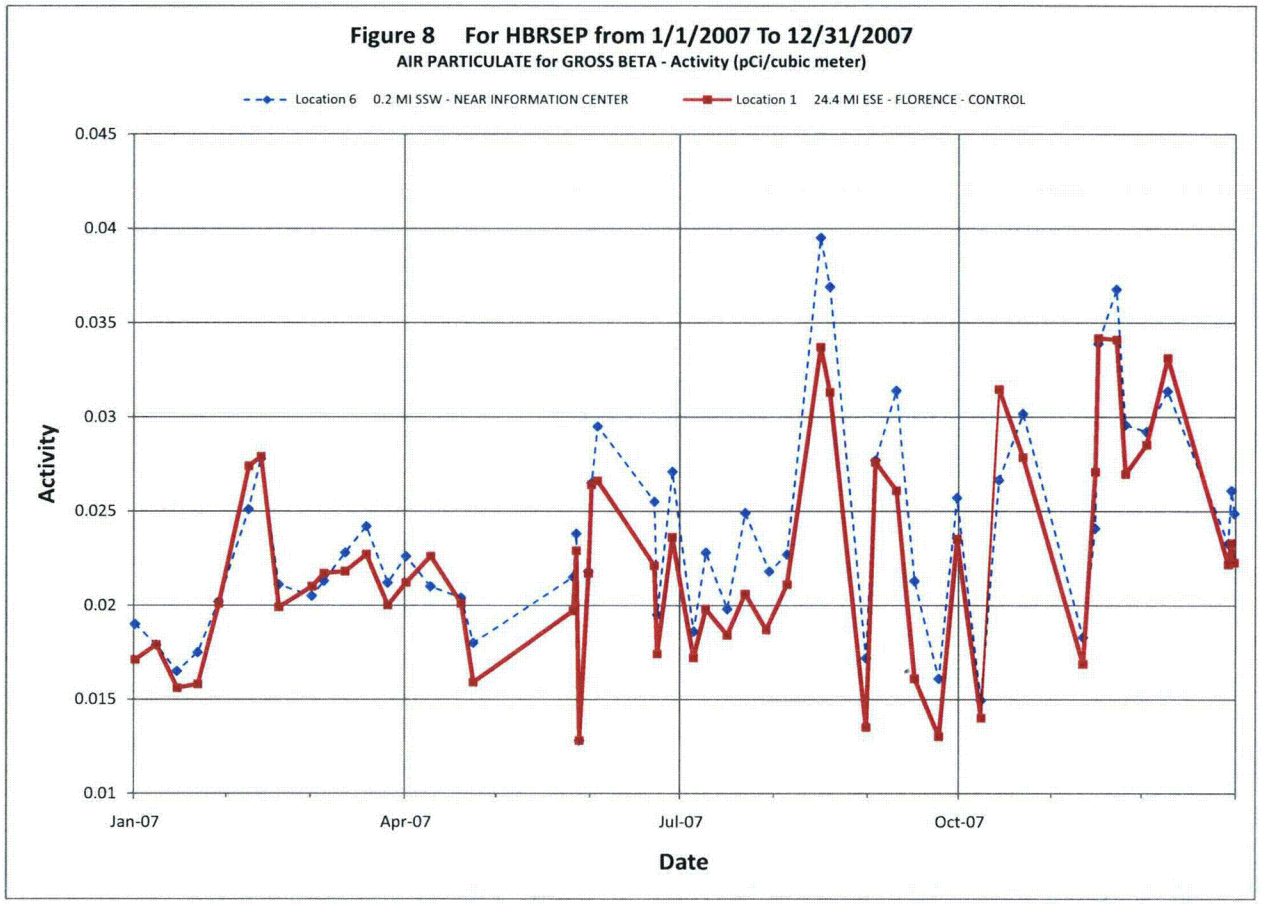


Figure 8 For HBRSEP from 1/1/2007 To 12/31/2007
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)
Location 6 0.2 MI SSW - NEAR INFORMATION CENTER
Location 1 24.4 MI ESE - FLORENCE - CONTROL
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
Activity
Jan-07
Apr-07
Jul-07
Oct-07
Date

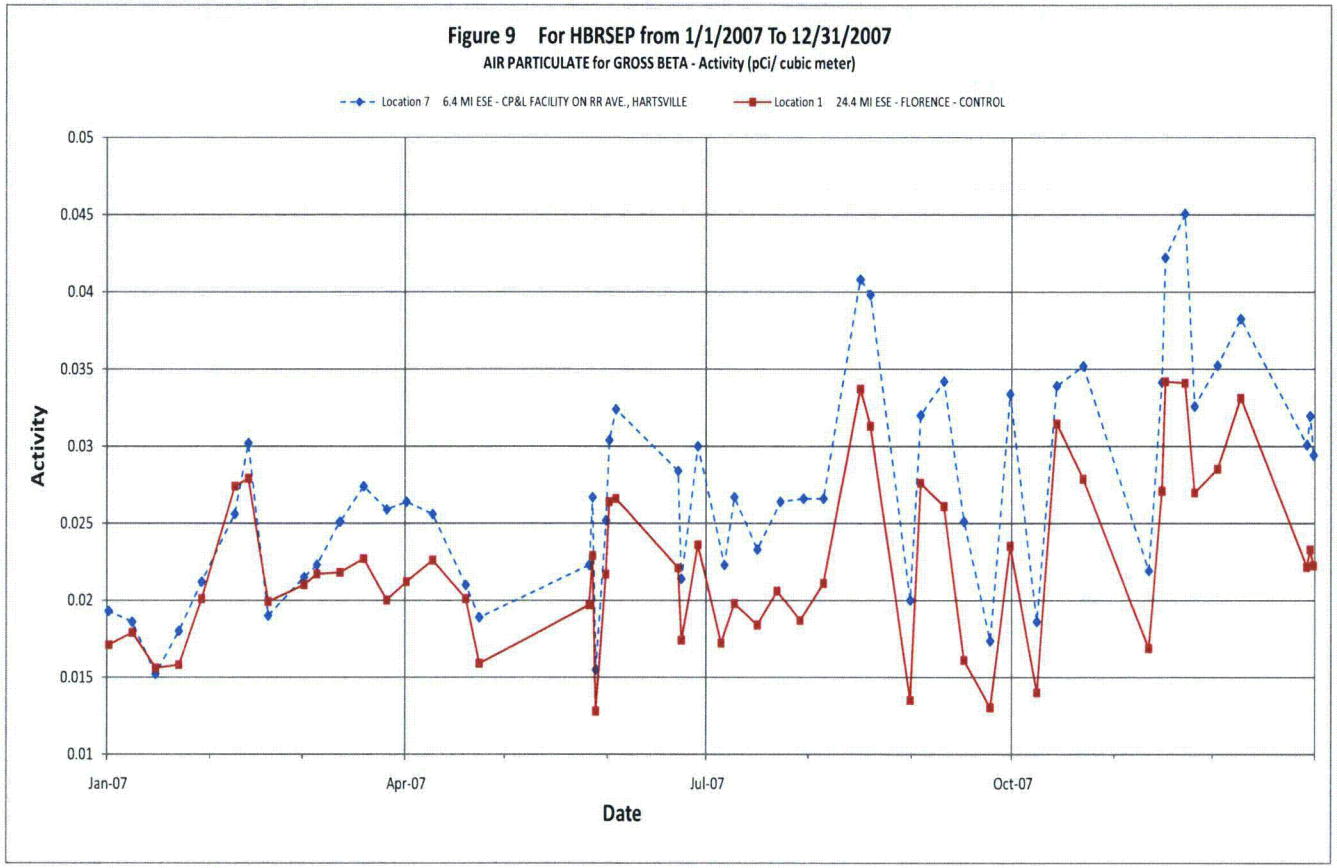


Figure 9 For HBRSEP from 1/1/2007 To 12/31/2007
AIR PARTICULATE for GROSS BETA - Activity (pCi/ cubic meter)
Location 7 6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVILLE
Location 1 24.4 MI ESE - FLORENCE - CONTROL
Activity
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
Jan-07
Apr-07
Jul-07
Oct-07
Date

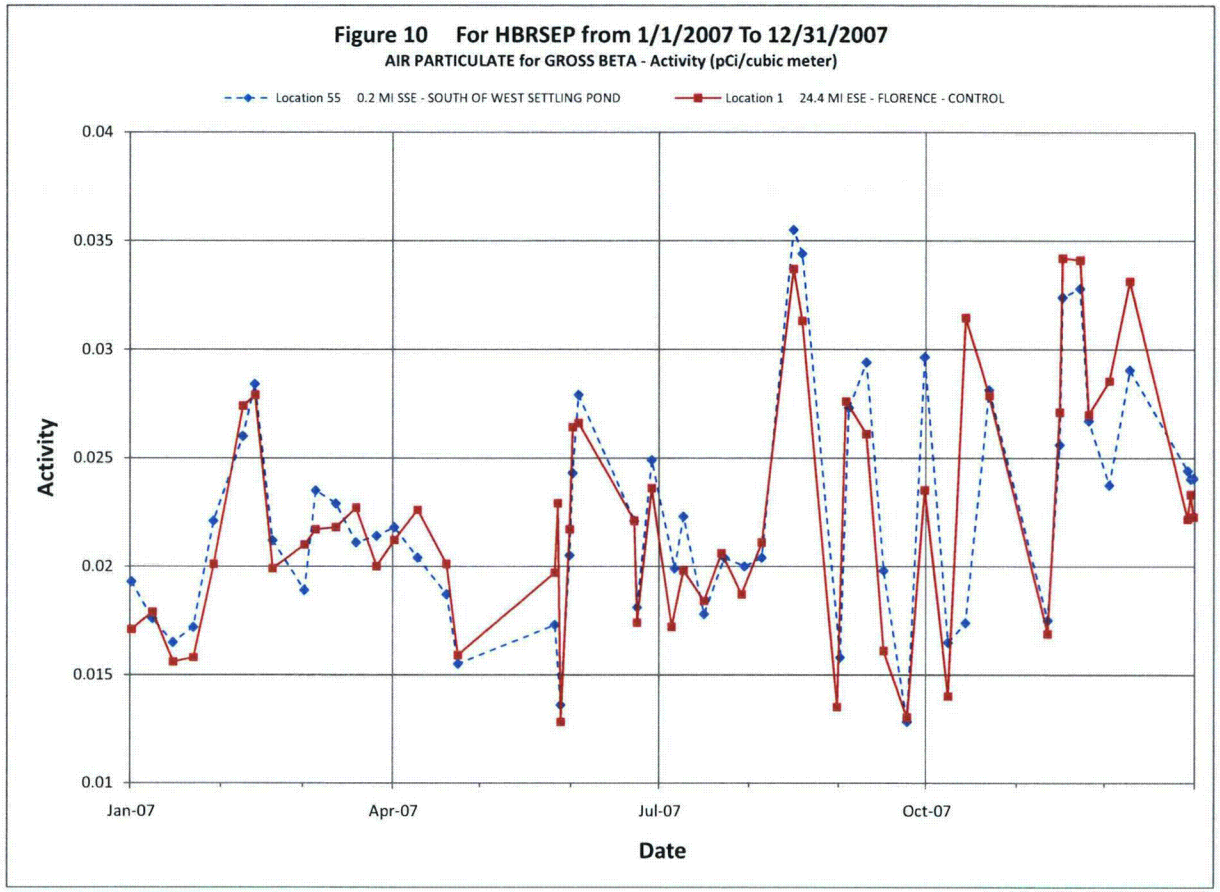


Figure 10 For HBRSEP from 1/1/2007 To 12/31/2007
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)
Location 55 0.2 MI SSE - SOUTH OF WEST SETTLING POND
Location 1 24.4 MI ESE - FLORENCE - CONTROL
0.04
0.035
0.03
0.025
0.02
0.015
0.01
Activity
Jan-07
Apr-07
Jul-07
Oct-07
Date

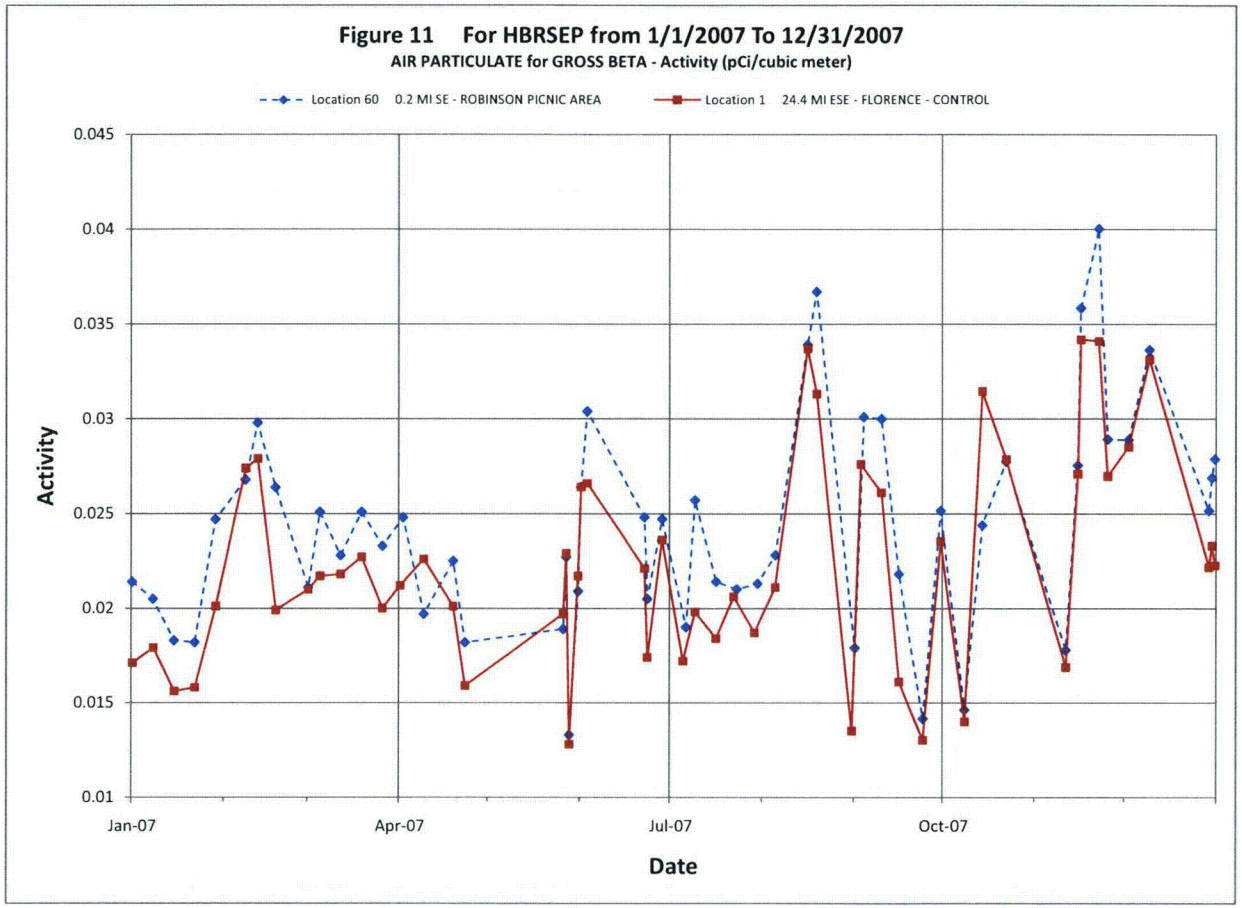


Figure 11 For HBRSEP from 1/1/2007 To 12/31/2007
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)
Location 60 0.2 MI SE - ROBINSON PICNIC AREA
Location 1 24.4 MI ESE - FLORENCE - CONTROL
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
Activity
Jan-07
Apr-07
Jul-07
Oct-07
Date

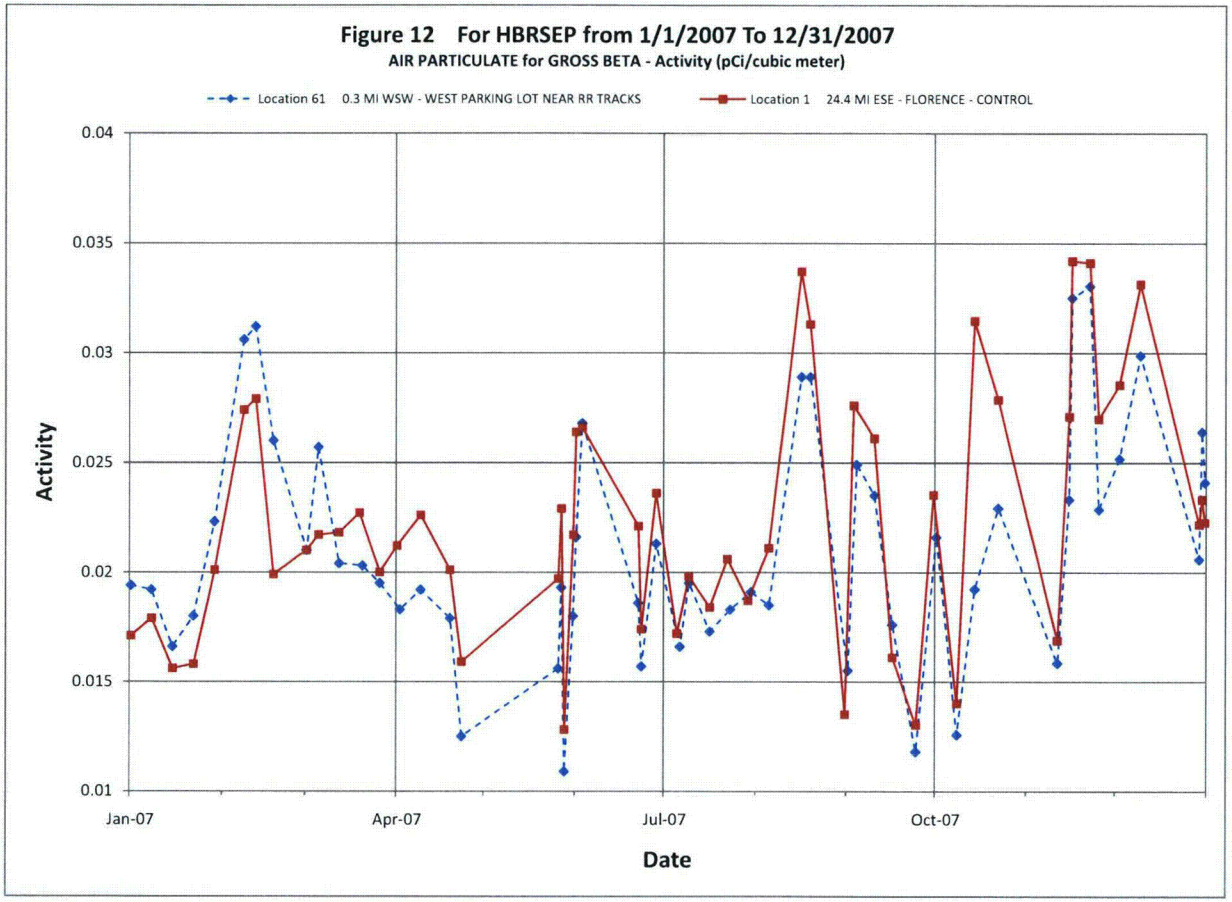


Figure 12 For HBRSEP from 1/1/2007 To 12/31/2007
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)
Location 61 0.3 MI WSW - WEST PARKING LOT NEAR RR TRACKS
Location 1 24.4 MI ESE - FLORENCE - CONTROL
0.04
0.035
0.03
0.025
0.02
0.015
0.01
Activity
Jan-07
Apr-07
Jul-07
Oct-07
Date

Figure 13 RNP 2007 Surface Water Tritium

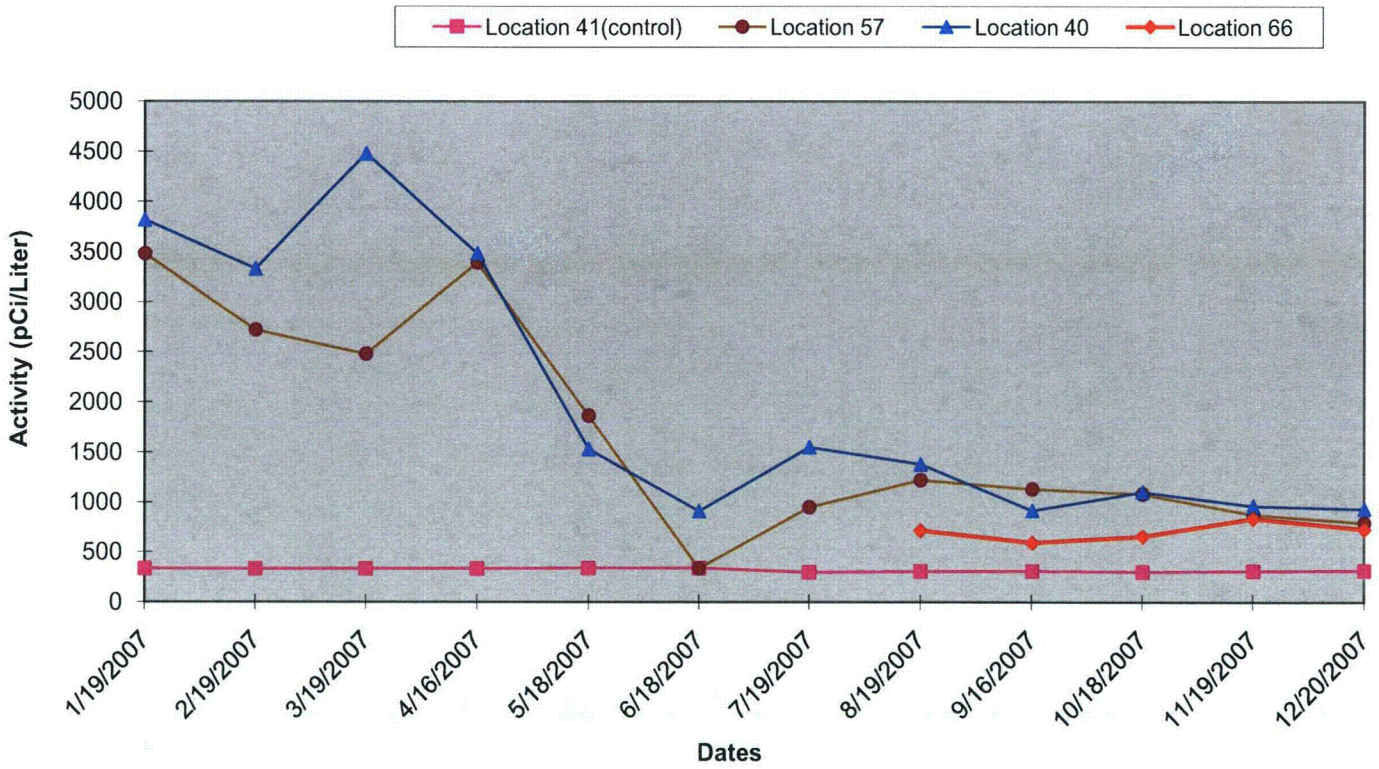
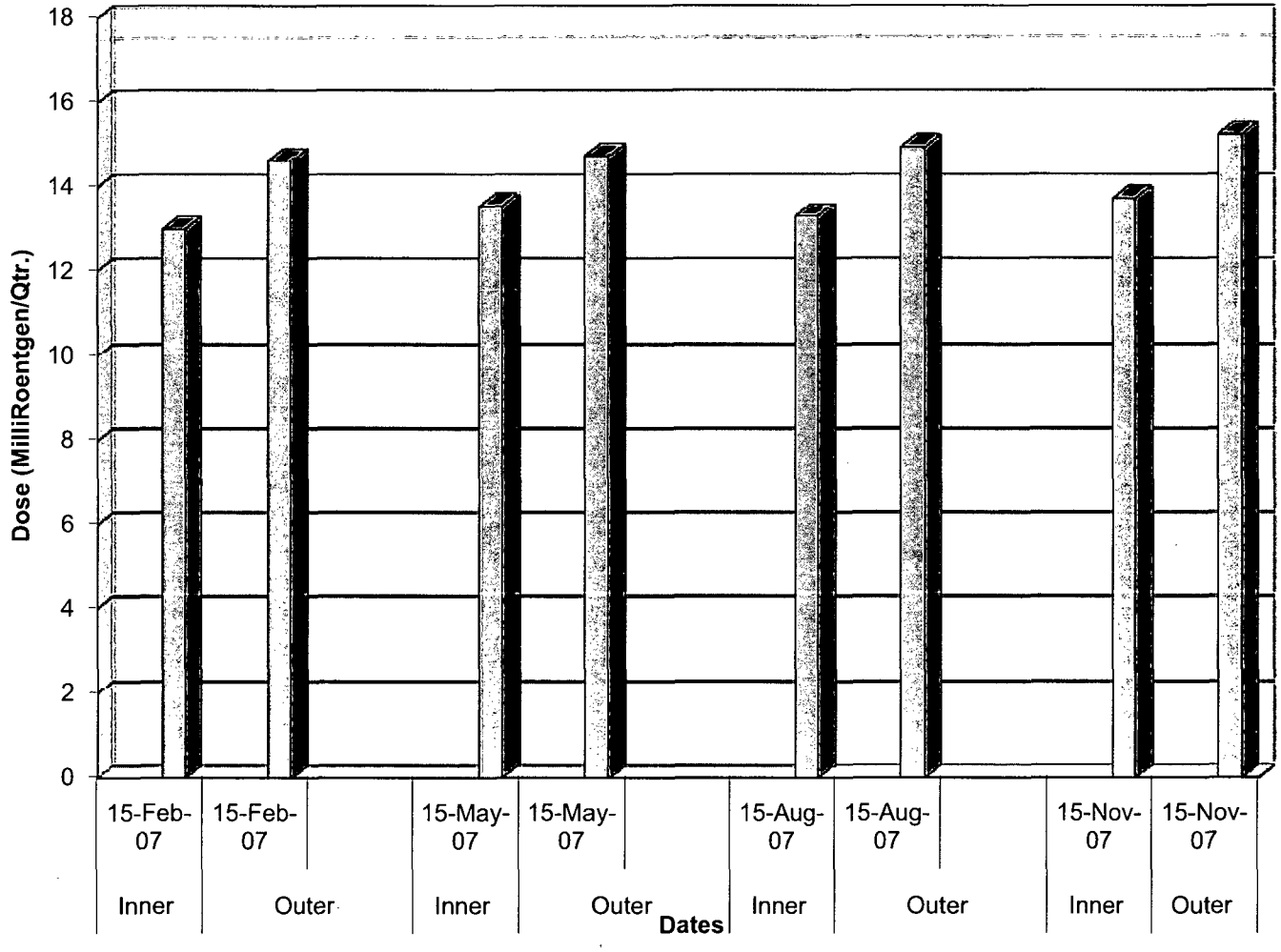


Figure 14 RNP 2007 TLD Averages for Inner and Outer Ring Locations



REPORT DATA FOR HBRSEP (RNP)

TLD Report

- 8 pages

Analysis Report

- 46 pages

Gamma Isotopic Report

- 44 pages

2007 HBRSEP (RNP)

Radiological Environmental Monitoring
TLD Report

Comments

- All RNP Environmental TLDs were present in 2007, except for the following TLDs:
    - TLD # 26 First Quarter of 2007
    - TLD # 11 Third Quarter of 2007
    - TLD # 18 Third Quarter of 2007
    - TLD # 30 Fourth Quarter of 2007

RNP Radiological Environmental Monitoring TLD Report

Dose: mR/std. qtr.

TLD	TLD Location Description	Sample Date	Dose	2 Sigma Error
1	24.4 MI ESE - FLORENCE - CONTROL	2/15/2007	12	1.9
1	24.4 MI ESE - FLORENCE - CONTROL	5/15/2007	12.8	1
1	24.4 MI ESE - FLORENCE - CONTROL	8/15/2007	13.3	2
1	24.4 MI ESE - FLORENCE - CONTROL	11/15/2007	12.8	0.6
2	0.2 MI S - INFORMATION CENTER	2/15/2007	11.7	1.7
2	0.2 MI S - INFORMATION CENTER	5/15/2007	12.3	1.7
2	0.2 MI S - INFORMATION CENTER	8/15/2007	12.3	2.4
2	0.2 MI S - INFORMATION CENTER	11/15/2007	12.3	0.6
3	0.5 MI N - MICROWAVE TOWER	2/15/2007	13.2	1.6
3	0.5 MI N - MICROWAVE TOWER	5/15/2007	14	1.2
3	0.5 MI N - MICROWAVE TOWER	8/15/2007	14	2.2
3	0.5 MI N - MICROWAVE TOWER	11/15/2007	13.8	0.6
4	0.4 MI ESE - SPILLWAY	2/15/2007	9.2	2.1
4	0.4 MI ESE - SPILLWAY	5/15/2007	10.8	1.1
4	0.4 MI ESE - SPILLWAY	8/15/2007	9.8	1.8
4	0.4 MI ESE - SPILLWAY	11/15/2007	10.7	0.8
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSONS LA	2/15/2007	14.5	2.1
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSONS LA	5/15/2007	13.1	3.4
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSONS LA	8/15/2007	14.2	1.8
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSONS LA	11/15/2007	12.5	1
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/15/2007	12.2	1.7
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/15/2007	13	1.5

Dose: mR/std. qtr.

TLD	TLD Location Description	Sample Date	Dose	2 Sigma Error
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/15/2007	12.4	2.1
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/15/2007	13.3	1.3
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVILLE	2/15/2007	13.7	2.1
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVILLE	5/15/2007	12.3	1.5
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVILLE	8/15/2007	13.5	1.7
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVILLE	11/15/2007	12.6	1.1
8	0.8 MI SSE - TRANSMISSION RIGHT-OF-WAY	2/15/2007	10.7	2.1
8	0.8 MI SSE - TRANSMISSION RIGHT-OF-WAY	5/15/2007	10.5	1.5
8	0.8 MI SSE - TRANSMISSION RIGHT-OF-WAY	8/15/2007	10.8	2.3
8	0.8 MI SSE - TRANSMISSION RIGHT-OF-WAY	11/15/2007	10.7	0.9
9	1.0 MI S - TRANSMISSION RIGHT-OF-WAY	2/15/2007	11	1.9
9	1.0 MI S - TRANSMISSION RIGHT-OF-WAY	5/15/2007	11.5	1.2
9	1.0 MI S - TRANSMISSION RIGHT-OF-WAY	8/15/2007	11.1	2.6
9	1.0 MI S - TRANSMISSION RIGHT-OF-WAY	11/15/2007	10.9	0.7
10	1.0 MI WSW - CLYDE CHURCH OF GOD	2/15/2007	11.4	2.3
10	1.0 MI WSW - CLYDE CHURCH OF GOD	5/15/2007	12.9	1.1
10	1.0 MI WSW - CLYDE CHURCH OF GOD	8/15/2007	11.8	1.8
10	1.0 MI WSW - CLYDE CHURCH OF GOD	11/15/2007	12.6	1.7
11	1.0 MI SW - OLD CAMDEN RD	2/15/2007	10	1.7
11	1.0 MI SW - OLD CAMDEN RD	5/15/2007	11.4	1.3
11	1.0 MI SW - OLD CAMDEN RD	11/15/2007	12	1.9
12	1.2 MI SSW-OFF OF OLD CAMDEN RD	2/15/2007	13.7	2.2
12	1.2 MI SSW-OFF OF OLD CAMDEN RD	5/15/2007	14.7	1
12	1.2 MI SSW-OFF OF OLD CAMDEN RD	8/15/2007	13.8	1.8

Dose: mR/std. qtr.

TLD	TLD Location Description	Sample Date	Dose	2 Sigma Error
12	1.2 MI SSW-OFF OF OLD CAMDEN RD	11/15/2007	15.2	1.7
13	0.7 MI W- CORNER OF SALUDA AND SAMPIT RDS	2/15/2007	12.7	1.7
13	0.7 MI W- CORNER OF SALUDA AND SAMPIT RDS	5/15/2007	11.7	1.2
13	0.7 MI W- CORNER OF SALUDA AND SAMPIT RDS	8/15/2007	13	1.9
13	0.7 MI W- CORNER OF SALUDA AND SAMPIT RDS	11/15/2007	12.6	0.2
14	0.8 MI WNW - FIRST BAPTIST CHURCH OF PINE RIDGE	2/15/2007	14.2	1.6
14	0.8 MI WNW - FIRST BAPTIST CHURCH OF PINE RIDGE	5/15/2007	15.6	1.2
14	0.8 MI WNW - FIRST BAPTIST CHURCH OF PINE RIDGE	8/15/2007	14.3	1.8
14	0.8 MI WNW - FIRST BAPTIST CHURCH OF PINE RIDGE	11/15/2007	15.4	1.5
15	0.7 MI NW - TRANSMISSION RIGHT-OF-WAY	2/15/2007	11.5	1.7
15	0.7 MI NW - TRANSMISSION RIGHT-OF-WAY	5/15/2007	12.4	1.4
15	0.7 MI NW - TRANSMISSION RIGHT-OF-WAY	8/15/2007	11.6	2.1
15	0.7 MI NW - TRANSMISSION RIGHT-OF-WAY	11/15/2007	12.2	0.6
16	1.0 MI NNW - SOUTH SIDE OF DARLINGTON CO. IC TURBI	2/15/2007	12.4	2
16	1.0 MI NNW - SOUTH SIDE OF DARLINGTON CO. IC TURBI	5/15/2007	12.8	1.4
16	1.0 MI NNW - SOUTH SIDE OF DARLINGTON CO. IC TURBI	8/15/2007	12.4	2.4
16	1.0 MI NNW - SOUTH SIDE OF DARLINGTON CO. IC TURBI	11/15/2007	12.9	0.6
17	1.2 MI N - DARLINGTON CO. PLANT EMERGENCY FIRE PU	2/15/2007	14.8	1.8
17	1.2 MI N - DARLINGTON CO. PLANT EMERGENCY FIRE PU	5/15/2007	15.1	1.7
17	1.2 MI N - DARLINGTON CO. PLANT EMERGENCY FIRE PU	8/15/2007	15.1	2.1
17	1.2 MI N - DARLINGTON CO. PLANT EMERGENCY FIRE PU	11/15/2007	16	1
18	0.7 MI SE - NEAR OLD BLACK CREEK RR TRESTLE	2/15/2007	15	1.7
18	0.7 MI SE - NEAR OLD BLACK CREEK RR TRESTLE	5/15/2007	16	1.7
18	0.7 MI SE - NEAR OLD BLACK CREEK RR TRESTLE	11/15/2007	17.1	1.3

Dose: mR/std. qtr.

TLD	TLD Location Description	Sample Date	Dose	2 Sigma Error
19	1.0 MI E - OLD CAMDEN RD (#S-16-23)	2/15/2007	12.7	1.5
19	1.0 MI E - OLD CAMDEN RD (#S-16-23)	5/15/2007	12.6	1.2
19	1.0 MI E - OLD CAMDEN RD (#S-16-23)	8/15/2007	12.5	1.9
19	1.0 MI E - OLD CAMDEN RD (#S-16-23)	11/15/2007	13.3	0.6
20	1.0 MI ENE - NEW MARKET RD (#S-16-39)	2/15/2007	14.3	2.2
20	1.0 MI ENE - NEW MARKET RD (#S-16-39)	5/15/2007	13	1.8
20	1.0 MI ENE - NEW MARKET RD (#S-16-39)	8/15/2007	14.8	1.9
20	1.0 MI ENE - NEW MARKET RD (#S-16-39)	11/15/2007	13.5	1.2
21	1.4 MI NE - NEW MARKET RD (#S-16-39)	2/15/2007	14.4	2.1
21	1.4 MI NE - NEW MARKET RD (#S-16-39)	5/15/2007	12.3	1
21	1.4 MI NE - NEW MARKET RD (#S-16-39)	8/15/2007	14.1	1.8
21	1.4 MI NE - NEW MARKET RD (#S-16-39)	11/15/2007	12.4	0.9
22	1.7 MI NNE - SHADY REST ENTRANCE OFF OF CLOVERDA	2/15/2007	11.8	1.7
22	1.7 MI NNE - SHADY REST ENTRANCE OFF OF CLOVERDA	5/15/2007	12.9	1.5
22	1.7 MI NNE - SHADY REST ENTRANCE OFF OF CLOVERDA	8/15/2007	12.1	1.7
22	1.7 MI NNE - SHADY REST ENTRANCE OFF OF CLOVERDA	11/15/2007	12.9	1.1
23	1.0 MI ESE - NEW MARKET RD (#S-16-39)	2/15/2007	13.9	1.9
23	1.0 MI ESE - NEW MARKET RD (#S-16-39)	5/15/2007	15.3	1.1
23	1.0 MI ESE - NEW MARKET RD (#S-16-39)	8/15/2007	14	1.8
23	1.0 MI ESE - NEW MARKET RD (#S-16-39)	11/15/2007	15.7	2
24	4.6 MI NW - SOWELL RD (#S-13-711)	2/15/2007	15.8	2.7
24	4.6 MI NW - SOWELL RD (#S-13-711)	5/15/2007	16.1	3.7
24	4.6 MI NW - SOWELL RD (#S-13-711)	8/15/2007	16.3	1.8
24	4.6 MI NW - SOWELL RD (#S-13-711)	11/15/2007	18.1	0.8

Dose: mR/std. qtr.

TLD	TLD Location Description	Sample Date	Dose	2 Sigma Error
25	4.0 MI NNW - LAKE ROBINSON RD (#S-13-346)	2/15/2007	15.5	1.7
25	4.0 MI NNW - LAKE ROBINSON RD (#S-13-346)	5/15/2007	14.1	1.3
25	4.0 MI NNW - LAKE ROBINSON RD (#S-13-346)	8/15/2007	15.5	2
25	4.0 MI NNW - LAKE ROBINSON RD (#S-13-346)	11/15/2007	14	1.7
26	5.0 MI N - LAKE ROBINSON RD (#S-13-346)	5/15/2007	14	1.3
26	5.0 MI N - LAKE ROBINSON RD (#S-13-346)	8/15/2007	14.7	2.2
26	5.0 MI N - LAKE ROBINSON RD (#S-13-346)	11/15/2007	15.4	1.5
27	5.4 MI NNE - PROSPECT CHURCH RD (#S-13-763)	2/15/2007	11.3	2
27	5.4 MI NNE - PROSPECT CHURCH RD (#S-13-763)	5/15/2007	11.1	1.6
27	5.4 MI NNE - PROSPECT CHURCH RD (#S-13-763)	8/15/2007	11.8	2.2
27	5.4 MI NNE - PROSPECT CHURCH RD (#S-13-763)	11/15/2007	11.6	0.7
28	4.3 MI NE - NEW MARKET RD (#S-13-39)	2/15/2007	16.1	1.6
28	4.3 MI NE - NEW MARKET RD (#S-13-39)	5/15/2007	18.2	1.4
28	4.3 MI NE - NEW MARKET RD (#S-13-39)	8/15/2007	17.4	2.5
28	4.3 MI NE - NEW MARKET RD (#S-13-39)	11/15/2007	18.4	3.1
29	4.0 MI ENE - RUBY RD (#S-16-20)	2/15/2007	11.9	1.7
29	4.0 MI ENE - RUBY RD (#S-16-20)	5/15/2007	10.5	2.4
29	4.0 MI ENE - RUBY RD (#S-16-20)	8/15/2007	12	1.7
29	4.0 MI ENE - RUBY RD (#S-16-20)	11/15/2007	10.7	0.6
30	4.4 MI E - RUBY RD (#S-16-20)	2/15/2007	12.9	1.8
30	4.4 MI E - RUBY RD (#S-16-20)	5/15/2007	13.8	2.4
30	4.4 MI E - RUBY RD (#S-16-20)	8/15/2007	14.1	2.5
31	4.6 MI ESE - ON LAKESHORE DRIVE	2/15/2007	15.8	1.9
31	4.6 MI ESE - ON LAKESHORE DRIVE	5/15/2007	14.4	1.2

Dose: mR/std. qtr.

TLD	TLD Location Description	Sample Date	Dose	2 Sigma Error
31	4.6 MI ESE - ON LAKESHORE DRIVE	8/15/2007	15.3	2.7
31	4.6 MI ESE - ON LAKESHORE DRIVE	11/15/2007	14.3	0.6
32	4.0 MI SE - TRANSMISSION RIGHT-OF-WAY	2/15/2007	12.5	1.8
32	4.0 MI SE - TRANSMISSION RIGHT-OF-WAY	5/15/2007	13.4	1.4
32	4.0 MI SE - TRANSMISSION RIGHT-OF-WAY	8/15/2007	13.1	2.2
32	4.0 MI SE - TRANSMISSION RIGHT-OF-WAY	11/15/2007	13.2	0.5
33	4.5 MI SSE- ON BAY RD (#S-16-493)	2/15/2007	13.1	1.6
33	4.5 MI SSE- ON BAY RD (#S-16-493)	5/15/2007	14.3	1.3
33	4.5 MI SSE- ON BAY RD (#S-16-493)	8/15/2007	13.6	2
33	4.5 MI SSE- ON BAY RD (#S-16-493)	11/15/2007	14.4	0.9
34	4.7 MI S - ON KELLYBELL RD (#S-16-772)	2/15/2007	9.7	1.7
34	4.7 MI S - ON KELLYBELL RD (#S-16-772)	5/15/2007	10.4	1.1
34	4.7 MI S - ON KELLYBELL RD (#S-16-772)	8/15/2007	10.3	2.1
34	4.7 MI S - ON KELLYBELL RD (#S-16-772)	11/15/2007	9.7	0.8
35	4.5 MI SSW - KELLY BRIDGE RD (#S-31-51)	2/15/2007	19	1.6
35	4.5 MI SSW - KELLY BRIDGE RD (#S-31-51)	5/15/2007	20.7	1.1
35	4.5 MI SSW - KELLY BRIDGE RD (#S-31-51)	8/15/2007	18.8	3.1
35	4.5 MI SSW - KELLY BRIDGE RD (#S-31-51)	11/15/2007	21.1	1.1
36	5.0 MI SW - ON KINGSTON DRIVE	2/15/2007	17.5	2.5
36	5.0 MI SW - ON KINGSTON DRIVE	5/15/2007	18.9	1.3
36	5.0 MI SW - ON KINGSTON DRIVE	8/15/2007	17.8	3.3
36	5.0 MI SW - ON KINGSTON DRIVE	11/15/2007	19.3	0.9
37	5.0 MI WSW - PINE CONE RD	2/15/2007	20.5	2.3
37	5.0 MI WSW - PINE CONE RD	5/15/2007	19	2.2

Dose: mR/std. qtr.

TLD	TLD Location Description	Sample Date	Dose	2 Sigma Error
37	5.0 MI WSW - PINE CONE RD	8/15/2007	19.8	3
37	5.0 MI WSW - PINE CONE RD	11/15/2007	19.3	1.3
38	4.9 MI W - AT UNION CHURCH RD	2/15/2007	13.8	1.5
38	4.9 MI W - AT UNION CHURCH RD	5/15/2007	14.9	2.2
38	4.9 MI W - AT UNION CHURCH RD	8/15/2007	14.5	1.9
38	4.9 MI W - AT UNION CHURCH RD	11/15/2007	15.9	1.3
39	5.1 MI WNW - KING'S POND RD	2/15/2007	14.1	2
39	5.1 MI WNW - KING'S POND RD	5/15/2007	14.3	2
39	5.1 MI WNW - KING'S POND RD	8/15/2007	13.9	1.8
39	5.1 MI WNW - KING'S POND RD	11/15/2007	14.4	1.6
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/15/2007	14	1.6
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/15/2007	15.1	1.2
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/15/2007	13.9	2.5
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/15/2007	14.6	1
56	0.4 MI NNW - NORTH OF THE CENTER OF THE 7P-ISFSI	2/15/2007	14.9	1.6
56	0.4 MI NNW - NORTH OF THE CENTER OF THE 7P-ISFSI	5/15/2007	14.6	2.4
56	0.4 MI NNW - NORTH OF THE CENTER OF THE 7P-ISFSI	8/15/2007	15.5	2.2
56	0.4 MI NNW - NORTH OF THE CENTER OF THE 7P-ISFSI	11/15/2007	15.8	0.8
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACKS	2/15/2007	16.5	2
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACKS	5/15/2007	17.9	1.1
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACKS	8/15/2007	16.6	2.4
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACKS	11/15/2007	18.8	2.4
65	NORTHWEST OF THE 24P-ISFSI 0.30 WNW	2/15/2007	16.3	2.1
65	NORTHWEST OF THE 24P-ISFSI 0.30 WNW	5/15/2007	18.4	2.1

Dose: mR/std. qtr.

TLD	TLD Location Description	Sample Date	Dose	2 Sigma Error
65	NORTHWEST OF THE 24P-ISFSI 0.30 WNW	8/15/2007	17.5	2.1
65	NORTHWEST OF THE 24P-ISFSI 0.30 WNW	11/15/2007	18.4	0.5

2007 HBRSEP (RNP)

Radiological Environmental Monitoring Analysis Report

Comments

- Efficiency values are not included for AC samples requiring radioiodine analysis (I-131), because gamma software does not report these values.
- The Less than LLD (<LLD) represents that no activity was present, but lists the LLD values.
- There are no 2 sigma error values reported when activity is <LLD.

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Particulate
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
1	24.4 MI ESE - FLORENCE - CONTROL	1/2/2007	600.3	3.88E-01	1.71E-02	1.85E-03	1.45E-03
1	24.4 MI ESE - FLORENCE - CONTROL	1/9/2007	592.1	3.88E-01	1.79E-02	1.91E-03	1.51E-03
1	24.4 MI ESE - FLORENCE - CONTROL	1/16/2007	599.2	3.88E-01	1.56E-02	1.78E-03	1.42E-03
1	24.4 MI ESE - FLORENCE - CONTROL	1/22/2007	499.6	3.88E-01	1.58E-02	2.05E-03	1.85E-03
1	24.4 MI ESE - FLORENCE - CONTROL	1/29/2007	591.3	3.88E-01	2.01E-02	2.04E-03	1.64E-03
1	24.4 MI ESE - FLORENCE - CONTROL	2/5/2007	587.2	3.88E-01	2.74E-02	2.32E-03	1.68E-03
1	24.4 MI ESE - FLORENCE - CONTROL	2/12/2007	583.5	3.88E-01	2.79E-02	2.30E-03	1.53E-03
1	24.4 MI ESE - FLORENCE - CONTROL	2/18/2007	502.8	3.88E-01	1.99E-02	2.22E-03	1.83E-03
1	24.4 MI ESE - FLORENCE - CONTROL	2/26/2007	683.6	3.88E-01	2.10E-02	1.86E-03	1.27E-03
1	24.4 MI ESE - FLORENCE - CONTROL	3/5/2007	586.5	3.88E-01	2.17E-02	2.09E-03	1.58E-03
1	24.4 MI ESE - FLORENCE - CONTROL	3/12/2007	606.6	3.88E-01	2.18E-02	2.04E-03	1.48E-03
1	24.4 MI ESE - FLORENCE - CONTROL	3/18/2007	513.5	3.88E-01	2.27E-02	2.31E-03	1.81E-03
1	24.4 MI ESE - FLORENCE - CONTROL	3/26/2007	706	3.88E-01	2.00E-02	1.81E-03	1.33E-03
1	24.4 MI ESE - FLORENCE - CONTROL	4/2/2007	614.3	3.88E-01	2.12E-02	1.99E-03	1.41E-03
1	24.4 MI ESE - FLORENCE - CONTROL	4/9/2007	598.1	3.88E-01	2.26E-02	2.08E-03	1.48E-03
1	24.4 MI ESE - FLORENCE - CONTROL	4/16/2007	609.6	3.88E-01	2.01E-02	1.96E-03	1.44E-03
1	24.4 MI ESE - FLORENCE - CONTROL	4/24/2007	690	3.88E-01	1.59E-02	1.69E-03	1.38E-03
1	24.4 MI ESE - FLORENCE - CONTROL	5/1/2007	614.4	3.70E-01	1.97E-02	1.99E-03	1.52E-03
1	24.4 MI ESE - FLORENCE - CONTROL	5/7/2007	525.9	3.70E-01	2.29E-02	2.29E-03	1.66E-03
1	24.4 MI ESE - FLORENCE - CONTROL	5/14/2007	609.5	3.70E-01	1.28E-02	1.70E-03	1.50E-03
1	24.4 MI ESE - FLORENCE - CONTROL	5/21/2007	616.4	3.70E-01	2.17E-02	2.06E-03	1.50E-03
1	24.4 MI ESE - FLORENCE - CONTROL	5/29/2007	697.5	3.70E-01	2.64E-02	2.10E-03	1.42E-03
1	24.4 MI ESE - FLORENCE - CONTROL	6/4/2007	509.9	3.70E-01	2.66E-02	2.47E-03	1.67E-03
1	24.4 MI ESE - FLORENCE - CONTROL	6/11/2007	640.7	3.70E-01	2.21E-02	2.05E-03	1.50E-03
1	24.4 MI ESE - FLORENCE - CONTROL	6/18/2007	613.3	3.70E-01	1.74E-02	1.90E-03	1.50E-03
1	24.4 MI ESE - FLORENCE - CONTROL	6/25/2007	624.1	3.70E-01	2.36E-02	2.11E-03	1.43E-03

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Particulate
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
1	24.4 MI ESE - FLORENCE - CONTROL	7/3/2007	700.6	3.70E-01	1.72E-02	1.77E-03	1.40E-03
1	24.4 MI ESE - FLORENCE - CONTROL	7/9/2007	537.4	3.70E-01	1.98E-02	2.16E-03	1.70E-03
1	24.4 MI ESE - FLORENCE - CONTROL	7/16/2007	625.3	3.70E-01	1.84E-02	2.00E-03	1.76E-03
1	24.4 MI ESE - FLORENCE - CONTROL	7/23/2007	613.8	3.70E-01	2.06E-02	1.95E-03	1.21E-03
1	24.4 MI ESE - FLORENCE - CONTROL	7/28/2007	456.8	3.70E-01	1.87E-02	2.30E-03	1.89E-03
1	24.4 MI ESE - FLORENCE - CONTROL	8/5/2007	714.6	3.70E-01	2.11E-02	1.85E-03	1.22E-03
1	24.4 MI ESE - FLORENCE - CONTROL	8/13/2007	714.1	3.70E-01	3.37E-02	2.25E-03	1.13E-03
1	24.4 MI ESE - FLORENCE - CONTROL	8/20/2007	624.3	3.70E-01	3.13E-02	2.40E-03	1.53E-03
1	24.4 MI ESE - FLORENCE - CONTROL	8/28/2007	720.3	3.70E-01	1.35E-02	1.52E-03	1.15E-03
1	24.4 MI ESE - FLORENCE - CONTROL	9/2/2007	440.6	3.70E-01	2.76E-02	2.76E-03	2.01E-03
1	24.4 MI ESE - FLORENCE - CONTROL	9/10/2007	705	3.70E-01	2.61E-02	2.05E-03	1.30E-03
1	24.4 MI ESE - FLORENCE - CONTROL	9/16/2007	582.8	3.70E-01	1.61E-02	1.92E-03	1.65E-03
1	24.4 MI ESE - FLORENCE - CONTROL	9/24/2007	804.1	3.70E-01	1.30E-02	1.43E-03	1.14E-03
1	24.4 MI ESE - FLORENCE - CONTROL	10/1/2007	694.7	3.70E-01	2.35E-02	1.99E-03	1.36E-03
1	24.4 MI ESE - FLORENCE - CONTROL	10/8/2007	692.3	3.70E-01	1.40E-02	1.61E-03	1.31E-03
1	24.4 MI ESE - FLORENCE - CONTROL	10/15/2007	682.1	3.70E-01	3.14E-02	2.24E-03	1.21E-03
1	24.4 MI ESE - FLORENCE - CONTROL	10/22/2007	696.5	3.70E-01	2.79E-02	2.11E-03	1.23E-03
1	24.4 MI ESE - FLORENCE - CONTROL	10/28/2007	581.4	3.70E-01	1.69E-02	1.89E-03	1.43E-03
1	24.4 MI ESE - FLORENCE - CONTROL	11/5/2007	780.2	3.70E-01	2.71E-02	1.93E-03	9.76E-04
1	24.4 MI ESE - FLORENCE - CONTROL	11/12/2007	672.4	3.70E-01	3.42E-02	2.40E-03	1.47E-03
1	24.4 MI ESE - FLORENCE - CONTROL	11/19/2007	680.6	3.70E-01	3.41E-02	2.34E-03	1.25E-03
1	24.4 MI ESE - FLORENCE - CONTROL	11/26/2007	670.7	3.70E-01	2.70E-02	2.13E-03	1.29E-03
1	24.4 MI ESE - FLORENCE - CONTROL	12/3/2007	678.6	3.70E-01	2.85E-02	2.17E-03	1.30E-03
1	24.4 MI ESE - FLORENCE - CONTROL	12/10/2007	674.1	3.70E-01	3.31E-02	2.34E-03	1.37E-03
1	24.4 MI ESE - FLORENCE - CONTROL	12/15/2007	491	3.70E-01	2.22E-02	2.37E-03	1.80E-03
1	24.4 MI ESE - FLORENCE - CONTROL	12/23/2007	756.5	3.70E-01	2.33E-02	1.89E-03	1.25E-03

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Particulate
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
1	24.4 MI ESE - FLORENCE - CONTROL	12/31/2007	771.2	3.70E-01	2.23E-02	1.81E-03	1.12E-03
2	0.2 MI S - INFORMATION CENTER	1/2/2007	588.6	3.88E-01	1.72E-02	1.88E-03	1.48E-03
2	0.2 MI S - INFORMATION CENTER	1/9/2007	600.1	3.88E-01	1.61E-02	1.82E-03	1.49E-03
2	0.2 MI S - INFORMATION CENTER	1/16/2007	599.6	3.88E-01	1.59E-02	1.79E-03	1.42E-03
2	0.2 MI S - INFORMATION CENTER	1/22/2007	499.5	3.88E-01	1.70E-02	2.10E-03	1.85E-03
2	0.2 MI S - INFORMATION CENTER	1/29/2007	589.9	3.88E-01	2.09E-02	2.07E-03	1.64E-03
2	0.2 MI S - INFORMATION CENTER	2/5/2007	590.2	3.88E-01	2.73E-02	2.31E-03	1.67E-03
2	0.2 MI S - INFORMATION CENTER	2/12/2007	573	3.88E-01	3.01E-02	2.40E-03	1.56E-03
2	0.2 MI S - INFORMATION CENTER	2/18/2007	500.9	3.88E-01	2.10E-02	2.27E-03	1.83E-03
2	0.2 MI S - INFORMATION CENTER	2/26/2007	677.7	3.88E-01	1.90E-02	1.79E-03	1.28E-03
2	0.2 MI S - INFORMATION CENTER	3/5/2007	592.1	3.88E-01	2.35E-02	2.14E-03	1.56E-03
2	0.2 MI S - INFORMATION CENTER	3/12/2007	598	3.88E-01	2.13E-02	2.03E-03	1.50E-03
2	0.2 MI S - INFORMATION CENTER	3/18/2007	506.7	3.88E-01	2.35E-02	2.36E-03	1.84E-03
2	0.2 MI S - INFORMATION CENTER	3/26/2007	696.6	3.88E-01	2.19E-02	1.89E-03	1.35E-03
2	0.2 MI S - INFORMATION CENTER	4/2/2007	610.4	3.88E-01	2.17E-02	2.01E-03	1.42E-03
2	0.2 MI S - INFORMATION CENTER	4/9/2007	603.2	3.88E-01	2.06E-02	1.99E-03	1.47E-03
2	0.2 MI S - INFORMATION CENTER	4/16/2007	576.6	3.88E-01	2.17E-02	2.08E-03	1.52E-03
2	0.2 MI S - INFORMATION CENTER	4/24/2007	675.3	3.88E-01	1.74E-02	1.77E-03	1.42E-03
2	0.2 MI S - INFORMATION CENTER	5/1/2007	616	3.70E-01	1.83E-02	1.93E-03	1.52E-03
2	0.2 MI S - INFORMATION CENTER	5/7/2007	513.3	3.70E-01	2.04E-02	2.22E-03	1.70E-03
2	0.2 MI S - INFORMATION CENTER	5/14/2007	597.1	3.70E-01	1.21E-02	1.68E-03	1.53E-03
2	0.2 MI S - INFORMATION CENTER	5/21/2007	605.6	3.70E-01	2.09E-02	2.05E-03	1.52E-03
2	0.2 MI S - INFORMATION CENTER	5/29/2007	721.1	3.70E-01	2.38E-02	1.98E-03	1.37E-03
2	0.2 MI S - INFORMATION CENTER	6/4/2007	511.7	3.70E-01	2.92E-02	2.56E-03	1.66E-03
2	0.2 MI S - INFORMATION CENTER	6/11/2007	587	3.70E-01	2.28E-02	2.18E-03	1.64E-03
2	0.2 MI S - INFORMATION CENTER	6/18/2007	604.2	3.70E-01	1.74E-02	1.91E-03	1.53E-03

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Particulate
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
2	0.2 MI S - INFORMATION CENTER	6/25/2007	611.5	3.70E-01	2.42E-02	2.15E-03	1.46E-03
2	0.2 MI S - INFORMATION CENTER	7/3/2007	667.8	3.70E-01	1.76E-02	1.83E-03	1.47E-03
2	0.2 MI S - INFORMATION CENTER	7/9/2007	508.6	3.70E-01	2.37E-02	2.40E-03	1.80E-03
2	0.2 MI S - INFORMATION CENTER	7/16/2007	595.1	3.70E-01	1.82E-02	2.06E-03	1.85E-03
2	0.2 MI S - INFORMATION CENTER	7/23/2007	587.7	3.70E-01	2.39E-02	2.13E-03	1.27E-03
2	0.2 MI S - INFORMATION CENTER	7/28/2007	428.6	3.70E-01	2.03E-02	2.47E-03	2.02E-03
2	0.2 MI S - INFORMATION CENTER	8/5/2007	672.9	3.70E-01	2.27E-02	1.98E-03	1.30E-03
2	0.2 MI S - INFORMATION CENTER	8/13/2007	681.7	3.70E-01	3.26E-02	2.27E-03	1.19E-03
2	0.2 MI S - INFORMATION CENTER	8/20/2007	577.1	3.70E-01	3.42E-02	2.60E-03	1.66E-03
2	0.2 MI S - INFORMATION CENTER	8/28/2007	657	3.70E-01	1.69E-02	1.76E-03	1.26E-03
2	0.2 MI S - INFORMATION CENTER	9/2/2007	428.6	3.70E-01	2.73E-02	2.79E-03	2.07E-03
2	0.2 MI S - INFORMATION CENTER	9/10/2007	622.3	3.70E-01	3.13E-02	2.39E-03	1.47E-03
2	0.2 MI S - INFORMATION CENTER	9/16/2007	523.8	3.70E-01	1.83E-02	2.15E-03	1.84E-03
2	0.2 MI S - INFORMATION CENTER	9/24/2007	706.8	3.70E-01	1.30E-02	1.55E-03	1.29E-03
2	0.2 MI S - INFORMATION CENTER	10/1/2007	537.6	3.70E-01	2.70E-02	2.46E-03	1.75E-03
2	0.2 MI S - INFORMATION CENTER	10/8/2007	581.6	3.70E-01	1.55E-02	1.87E-03	1.56E-03
2	0.2 MI S - INFORMATION CENTER	10/15/2007	580.4	3.70E-01	2.41E-02	2.19E-03	1.42E-03
2	0.2 MI S - INFORMATION CENTER	10/22/2007	586.9	3.70E-01	2.95E-02	2.38E-03	1.46E-03
2	0.2 MI S - INFORMATION CENTER	10/28/2007	493.1	3.70E-01	1.97E-02	2.22E-03	1.69E-03
2	0.2 MI S - INFORMATION CENTER	11/5/2007	650.2	3.70E-01	2.73E-02	2.14E-03	1.17E-03
2	0.2 MI S - INFORMATION CENTER	11/12/2007	563.7	3.70E-01	3.18E-02	2.58E-03	1.75E-03
2	0.2 MI S - INFORMATION CENTER	11/19/2007	569.6	3.70E-01	3.76E-02	2.69E-03	1.49E-03
2	0.2 MI S - INFORMATION CENTER	11/26/2007	583.5	3.70E-01	2.75E-02	2.32E-03	1.48E-03
2	0.2 MI S - INFORMATION CENTER	12/3/2007	581.7	3.70E-01	2.69E-02	2.31E-03	1.51E-03
2	0.2 MI S - INFORMATION CENTER	12/10/2007	561.7	3.70E-01	3.03E-02	2.50E-03	1.64E-03
2	0.2 MI S - INFORMATION CENTER	12/15/2007	415.4	3.70E-01	2.62E-02	2.80E-03	2.13E-03

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Particulate
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
2	0.2 MI S - INFORMATION CENTER	12/23/2007	626.4	3.70E-01	2.39E-02	2.13E-03	1.50E-03
2	0.2 MI S - INFORMATION CENTER	12/31/2007	634.8	3.70E-01	2.49E-02	2.12E-03	1.36E-03
3	0.5 MI N - MICROWAVE TOWER	1/2/2007	533.2	3.88E-01	1.76E-02	2.01E-03	1.64E-03
3	0.5 MI N - MICROWAVE TOWER	1/9/2007	536.8	3.88E-01	1.80E-02	2.03E-03	1.66E-03
3	0.5 MI N - MICROWAVE TOWER	1/16/2007	539.8	3.88E-01	1.62E-02	1.92E-03	1.58E-03
3	0.5 MI N - MICROWAVE TOWER	1/22/2007	452	3.88E-01	1.62E-02	2.21E-03	2.05E-03
3	0.5 MI N - MICROWAVE TOWER	1/29/2007	535	3.88E-01	2.06E-02	2.19E-03	1.81E-03
3	0.5 MI N - MICROWAVE TOWER	2/5/2007	532.2	3.88E-01	2.53E-02	2.38E-03	1.85E-03
3	0.5 MI N - MICROWAVE TOWER	2/12/2007	523.4	3.88E-01	2.76E-02	2.44E-03	1.70E-03
3	0.5 MI N - MICROWAVE TOWER	2/18/2007	452.3	3.88E-01	2.16E-02	2.44E-03	2.03E-03
3	0.5 MI N - MICROWAVE TOWER	2/26/2007	613.3	3.88E-01	2.05E-02	1.96E-03	1.41E-03
3	0.5 MI N - MICROWAVE TOWER	3/5/2007	535	3.88E-01	2.07E-02	2.17E-03	1.73E-03
3	0.5 MI N - MICROWAVE TOWER	3/12/2007	559.4	3.88E-01	2.36E-02	2.21E-03	1.61E-03
3	0.5 MI N - MICROWAVE TOWER	3/18/2007	559.4	3.88E-01	2.44E-02	2.25E-03	1.66E-03
3	0.5 MI N - MICROWAVE TOWER	3/26/2007	832.7	3.88E-01	2.14E-02	1.69E-03	1.13E-03
3	0.5 MI N - MICROWAVE TOWER	4/2/2007	581.5	3.88E-01	2.42E-02	2.16E-03	1.49E-03
3	0.5 MI N - MICROWAVE TOWER	4/9/2007	560.2	3.88E-01	2.07E-02	2.09E-03	1.58E-03
3	0.5 MI N - MICROWAVE TOWER	4/16/2007	581.8	3.88E-01	2.06E-02	2.03E-03	1.51E-03
3	0.5 MI N - MICROWAVE TOWER	4/24/2007	661.7	3.88E-01	1.75E-02	1.80E-03	1.44E-03
3	0.5 MI N - MICROWAVE TOWER	5/1/2007	592.1	3.70E-01	2.04E-02	2.07E-03	1.58E-03
3	0.5 MI N - MICROWAVE TOWER	5/7/2007	503.3	3.70E-01	2.38E-02	2.39E-03	1.73E-03
3	0.5 MI N - MICROWAVE TOWER	5/14/2007	582.3	3.70E-01	1.30E-02	1.76E-03	1.57E-03
3	0.5 MI N - MICROWAVE TOWER	5/21/2007	589.2	3.70E-01	2.11E-02	2.09E-03	1.56E-03
3	0.5 MI N - MICROWAVE TOWER	5/29/2007	671.7	3.70E-01	2.61E-02	2.14E-03	1.47E-03
3	0.5 MI N - MICROWAVE TOWER	6/4/2007	505.4	3.70E-01	2.97E-02	2.60E-03	1.68E-03
3	0.5 MI N - MICROWAVE TOWER	6/11/2007	593.7	3.70E-01	2.69E-02	2.32E-03	1.62E-03

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Particulate
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
3	0.5 MI N - MICROWAVE TOWER	6/18/2007	586.6	3.70E-01	2.07E-02	2.09E-03	1.57E-03
3	0.5 MI N - MICROWAVE TOWER	6/25/2007	596.9	3.70E-01	2.64E-02	2.27E-03	1.50E-03
3	0.5 MI N - MICROWAVE TOWER	7/3/2007	670	3.70E-01	1.90E-02	1.89E-03	1.47E-03
3	0.5 MI N - MICROWAVE TOWER	7/9/2007	505.8	3.70E-01	2.64E-02	2.51E-03	1.81E-03
3	0.5 MI N - MICROWAVE TOWER	7/16/2007	592.5	3.70E-01	2.10E-02	2.17E-03	1.86E-03
3	0.5 MI N - MICROWAVE TOWER	7/23/2007	584.6	3.70E-01	2.29E-02	2.10E-03	1.27E-03
3	0.5 MI N - MICROWAVE TOWER	7/28/2007	419.5	3.70E-01	2.13E-02	2.55E-03	2.06E-03
3	0.5 MI N - MICROWAVE TOWER	8/5/2007	676.2	3.70E-01	2.35E-02	2.00E-03	1.29E-03
3	0.5 MI N - MICROWAVE TOWER	8/13/2007	678.2	3.70E-01	3.90E-02	2.47E-03	1.19E-03
3	0.5 MI N - MICROWAVE TOWER	8/20/2007	594.3	3.70E-01	3.73E-02	2.66E-03	1.61E-03
3	0.5 MI N - MICROWAVE TOWER	8/28/2007	594.6	3.70E-01	1.97E-02	1.99E-03	1.39E-03
3	0.5 MI N - MICROWAVE TOWER	9/2/2007	508.8	3.70E-01	2.40E-02	2.39E-03	1.74E-03
3	0.5 MI N - MICROWAVE TOWER	9/10/2007	669.8	3.70E-01	3.26E-02	2.33E-03	1.37E-03
3	0.5 MI N - MICROWAVE TOWER	9/16/2007	535.3	3.70E-01	2.18E-02	2.27E-03	1.80E-03
3	0.5 MI N - MICROWAVE TOWER	9/24/2007	709.4	3.70E-01	1.65E-02	1.70E-03	1.29E-03
3	0.5 MI N - MICROWAVE TOWER	10/1/2007	624.8	3.70E-01	2.60E-02	2.21E-03	1.51E-03
3	0.5 MI N - MICROWAVE TOWER	10/8/2007	629.6	3.70E-01	1.54E-02	1.77E-03	1.44E-03
3	0.5 MI N - MICROWAVE TOWER	10/15/2007	614.7	3.70E-01	2.77E-02	2.25E-03	1.34E-03
3	0.5 MI N - MICROWAVE TOWER	10/22/2007	627.5	3.70E-01	3.00E-02	2.31E-03	1.37E-03
3	0.5 MI N - MICROWAVE TOWER	10/28/2007	526.2	3.70E-01	1.96E-02	2.13E-03	1.58E-03
3	0.5 MI N - MICROWAVE TOWER	11/5/2007	705.8	3.70E-01	2.79E-02	2.07E-03	1.08E-03
3	0.5 MI N - MICROWAVE TOWER	11/12/2007	610.2	3.70E-01	3.47E-02	2.55E-03	1.62E-03
3	0.5 MI N - MICROWAVE TOWER	11/19/2007	610.1	3.70E-01	3.76E-02	2.59E-03	1.39E-03
3	0.5 MI N - MICROWAVE TOWER	11/26/2007	611.3	3.70E-01	3.00E-02	2.35E-03	1.41E-03
3	0.5 MI N - MICROWAVE TOWER	12/3/2007	612.5	3.70E-01	3.02E-02	2.36E-03	1.43E-03
3	0.5 MI N - MICROWAVE TOWER	12/10/2007	611.1	3.70E-01	3.59E-02	2.56E-03	1.51E-03

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Particulate
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
3	0.5 MI N - MICROWAVE TOWER	12/15/2007	442.3	3.70E-01	2.34E-02	2.58E-03	2.00E-03
3	0.5 MI N - MICROWAVE TOWER	12/23/2007	687.6	3.70E-01	2.83E-02	2.17E-03	1.37E-03
3	0.5 MI N - MICROWAVE TOWER	12/31/2007	690.8	3.70E-01	2.60E-02	2.06E-03	1.25E-03
4	0.4 MI ESE - SPILLWAY	1/2/2007	508.8	3.88E-01	1.67E-02	2.03E-03	1.71E-03
4	0.4 MI ESE - SPILLWAY	1/9/2007	515.6	3.88E-01	1.70E-02	2.04E-03	1.73E-03
4	0.4 MI ESE - SPILLWAY	1/16/2007	515	3.88E-01	1.65E-02	2.00E-03	1.65E-03
4	0.4 MI ESE - SPILLWAY	1/22/2007	430.3	3.88E-01	1.55E-02	2.25E-03	2.15E-03
4	0.4 MI ESE - SPILLWAY	1/29/2007	504.9	3.88E-01	2.05E-02	2.26E-03	1.92E-03
4	0.4 MI ESE - SPILLWAY	2/5/2007	506.5	3.88E-01	2.52E-02	2.45E-03	1.95E-03
4	0.4 MI ESE - SPILLWAY	2/12/2007	494.1	3.88E-01	2.84E-02	2.56E-03	1.81E-03
4	0.4 MI ESE - SPILLWAY	2/18/2007	430.2	3.88E-01	2.13E-02	2.51E-03	2.13E-03
4	0.4 MI ESE - SPILLWAY	2/26/2007	581.8	3.88E-01	1.96E-02	1.99E-03	1.49E-03
4	0.4 MI ESE - SPILLWAY	3/5/2007	561.9	3.88E-01	2.08E-02	2.11E-03	1.65E-03
4	0.4 MI ESE - SPILLWAY	3/12/2007	584.7	3.88E-01	2.39E-02	2.16E-03	1.54E-03
4	0.4 MI ESE - SPILLWAY	3/18/2007	506.5	3.88E-01	2.10E-02	2.26E-03	1.84E-03
4	0.4 MI ESE - SPILLWAY	3/26/2007	673.2	3.88E-01	2.15E-02	1.92E-03	1.39E-03
4	0.4 MI ESE - SPILLWAY	4/2/2007	590.6	3.88E-01	2.21E-02	2.07E-03	1.47E-03
4	0.4 MI ESE - SPILLWAY	4/9/2007	574.6	3.88E-01	2.07E-02	2.05E-03	1.54E-03
4	0.4 MI ESE - SPILLWAY	4/16/2007	587.9	3.88E-01	2.12E-02	2.04E-03	1.50E-03
4	0.4 MI ESE - SPILLWAY	4/24/2007	660.6	3.88E-01	1.75E-02	1.80E-03	1.45E-03
4	0.4 MI ESE - SPILLWAY	5/1/2007	592.8	3.70E-01	2.02E-02	2.06E-03	1.58E-03
4	0.4 MI ESE - SPILLWAY	5/7/2007	503.5	3.70E-01	2.45E-02	2.42E-03	1.73E-03
4	0.4 MI ESE - SPILLWAY	5/14/2007	579.6	3.70E-01	1.25E-02	1.74E-03	1.58E-03
4	0.4 MI ESE - SPILLWAY	5/21/2007	584.8	3.70E-01	2.36E-02	2.20E-03	1.58E-03
4	0.4 MI ESE - SPILLWAY	5/29/2007	665.7	3.70E-01	2.74E-02	2.19E-03	1.49E-03
4	0.4 MI ESE - SPILLWAY	6/4/2007	522.4	3.70E-01	2.92E-02	2.53E-03	1.63E-03

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Particulate
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
4	0.4 MI ESE - SPILLWAY	6/11/2007	561.5	3.70E-01	2.42E-02	2.30E-03	1.71E-03
4	0.4 MI ESE - SPILLWAY	6/18/2007	581.4	3.70E-01	1.98E-02	2.06E-03	1.59E-03
4	0.4 MI ESE - SPILLWAY	6/25/2007	598	3.70E-01	2.56E-02	2.23E-03	1.49E-03
4	0.4 MI ESE - SPILLWAY	7/3/2007	694.2	3.70E-01	1.89E-02	1.84E-03	1.42E-03
4	0.4 MI ESE - SPILLWAY	7/9/2007	527.1	3.70E-01	2.53E-02	2.40E-03	1.74E-03
4	0.4 MI ESE - SPILLWAY	7/16/2007	617.1	3.70E-01	2.07E-02	2.11E-03	1.78E-03
4	0.4 MI ESE - SPILLWAY	7/23/2007	609	3.70E-01	2.22E-02	2.03E-03	1.22E-03
4	0.4 MI ESE - SPILLWAY	7/28/2007	442.7	3.70E-01	2.14E-02	2.47E-03	1.95E-03
4	0.4 MI ESE - SPILLWAY	8/5/2007	699.6	3.70E-01	2.32E-02	1.95E-03	1.25E-03
4	0.4 MI ESE - SPILLWAY	8/13/2007	709.5	3.70E-01	3.57E-02	2.32E-03	1.14E-03
4	0.4 MI ESE - SPILLWAY	8/20/2007	619.6	3.70E-01	3.62E-02	2.56E-03	1.54E-03
4	0.4 MI ESE - SPILLWAY	8/28/2007	705.4	3.70E-01	1.73E-02	1.70E-03	1.17E-03
4	0.4 MI ESE - SPILLWAY	9/2/2007	444.5	3.70E-01	2.54E-02	2.65E-03	1.99E-03
4	0.4 MI ESE - SPILLWAY	9/10/2007	697.9	3.70E-01	3.17E-02	2.25E-03	1.31E-03
4	0.4 MI ESE - SPILLWAY	9/16/2007	527.5	3.70E-01	2.38E-02	2.37E-03	1.83E-03
4	0.4 MI ESE - SPILLWAY	9/24/2007	694.1	3.70E-01	1.51E-02	1.66E-03	1.32E-03
4	0.4 MI ESE - SPILLWAY	10/1/2007	609.5	3.70E-01	2.68E-02	2.27E-03	1.55E-03
4	0.4 MI ESE - SPILLWAY	10/8/2007	562.8	3.70E-01	1.71E-02	1.98E-03	1.61E-03
4	0.4 MI ESE - SPILLWAY	10/15/2007	604.9	3.70E-01	2.67E-02	2.23E-03	1.37E-03
4	0.4 MI ESE - SPILLWAY	10/22/2007	611.1	3.70E-01	2.97E-02	2.34E-03	1.40E-03
4	0.4 MI ESE - SPILLWAY	10/28/2007	515.3	3.70E-01	1.88E-02	2.12E-03	1.62E-03
4	0.4 MI ESE - SPILLWAY	11/5/2007	683.3	3.70E-01	2.59E-02	2.04E-03	1.11E-03
4	0.4 MI ESE - SPILLWAY	11/12/2007	593.4	3.70E-01	3.44E-02	2.58E-03	1.67E-03
4	0.4 MI ESE - SPILLWAY	11/19/2007	595.7	3.70E-01	3.96E-02	2.69E-03	1.43E-03
4	0.4 MI ESE - SPILLWAY	11/26/2007	595.6	3.70E-01	2.71E-02	2.28E-03	1.45E-03
4	0.4 MI ESE - SPILLWAY	12/3/2007	615	3.70E-01	2.66E-02	2.23E-03	1.43E-03

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Particulate
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
4	0.4 MI ESE - SPILLWAY	12/10/2007	571	3.70E-01	3.55E-02	2.65E-03	1.61E-03
4	0.4 MI ESE - SPILLWAY	12/15/2007	431.1	3.70E-01	2.56E-02	2.71E-03	2.06E-03
4	0.4 MI ESE - SPILLWAY	12/23/2007	666.8	3.70E-01	2.85E-02	2.21E-03	1.41E-03
4	0.4 MI ESE - SPILLWAY	12/31/2007	671	3.70E-01	2.34E-02	2.00E-03	1.29E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	1/2/2007	655.2	3.88E-01	1.64E-02	1.72E-03	1.33E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	1/9/2007	661.1	3.88E-01	1.74E-02	1.76E-03	1.35E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	1/16/2007	666.9	3.88E-01	1.40E-02	1.60E-03	1.28E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	1/22/2007	557	3.88E-01	1.59E-02	1.92E-03	1.66E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	1/29/2007	658.9	3.88E-01	1.81E-02	1.83E-03	1.47E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	2/5/2007	656.1	3.88E-01	2.26E-02	2.01E-03	1.50E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	2/12/2007	644.8	3.88E-01	2.57E-02	2.10E-03	1.38E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	2/18/2007	559	3.88E-01	1.87E-02	2.02E-03	1.64E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	2/26/2007	756.7	3.88E-01	1.85E-02	1.66E-03	1.14E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	3/5/2007	648.5	3.88E-01	2.06E-02	1.92E-03	1.43E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	3/12/2007	626.7	3.88E-01	2.15E-02	1.98E-03	1.43E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	3/18/2007	541.8	3.88E-01	2.09E-02	2.16E-03	1.72E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	3/26/2007	739.9	3.88E-01	2.06E-02	1.78E-03	1.27E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	4/2/2007	648.2	3.88E-01	1.91E-02	1.84E-03	1.34E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	4/9/2007	618.6	3.88E-01	2.11E-02	1.98E-03	1.43E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	4/16/2007	641.4	3.88E-01	1.93E-02	1.87E-03	1.37E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	4/24/2007	440	3.88E-01	2.24E-02	2.54E-03	2.17E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	5/1/2007	585.6	3.70E-01	2.25E-02	2.16E-03	1.60E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	5/7/2007	501.2	3.70E-01	2.55E-02	2.46E-03	1.74E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	5/14/2007	576.8	3.70E-01	1.34E-02	1.79E-03	1.59E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	5/21/2007	582.2	3.70E-01	2.26E-02	2.17E-03	1.58E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	5/29/2007	661.5	3.70E-01	2.85E-02	2.24E-03	1.50E-03

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Particulate
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	6/4/2007	495	3.70E-01	3.19E-02	2.71E-03	1.72E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	6/11/2007	581.3	3.70E-01	2.61E-02	2.32E-03	1.66E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	6/18/2007	568.8	3.70E-01	2.03E-02	2.11E-03	1.62E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	6/25/2007	587.6	3.70E-01	2.65E-02	2.29E-03	1.52E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	7/3/2007	653.3	3.70E-01	2.10E-02	1.99E-03	1.50E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	7/9/2007	490.9	3.70E-01	2.63E-02	2.55E-03	1.86E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	7/16/2007	576.6	3.70E-01	2.09E-02	2.21E-03	1.91E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	7/23/2007	567.5	3.70E-01	2.17E-02	2.09E-03	1.31E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	7/28/2007	412.6	3.70E-01	2.09E-02	2.56E-03	2.09E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	8/5/2007	649.8	3.70E-01	2.44E-02	2.08E-03	1.34E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	8/13/2007	658.4	3.70E-01	3.81E-02	2.49E-03	1.23E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	8/20/2007	567.4	3.70E-01	3.55E-02	2.67E-03	1.69E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	8/28/2007	658.3	3.70E-01	2.03E-02	1.89E-03	1.25E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	9/2/2007	406.7	3.70E-01	3.08E-02	3.02E-03	2.18E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	9/10/2007	647.1	3.70E-01	3.14E-02	2.34E-03	1.41E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	9/16/2007	490.5	3.70E-01	2.08E-02	2.36E-03	1.96E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	9/24/2007	653	3.70E-01	1.59E-02	1.76E-03	1.40E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	10/1/2007	570.8	3.70E-01	2.64E-02	2.35E-03	1.65E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	10/8/2007	573.6	3.70E-01	1.61E-02	1.91E-03	1.58E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	10/15/2007	564.9	3.70E-01	2.58E-02	2.29E-03	1.46E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	10/22/2007	575	3.70E-01	2.85E-02	2.38E-03	1.49E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	10/28/2007	483.8	3.70E-01	2.01E-02	2.27E-03	1.72E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	11/5/2007	649.7	3.70E-01	2.78E-02	2.16E-03	1.17E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	11/12/2007	568	3.70E-01	3.43E-02	2.64E-03	1.74E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	11/19/2007	567	3.70E-01	3.71E-02	2.68E-03	1.50E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	11/26/2007	569.6	3.70E-01	2.91E-02	2.41E-03	1.52E-03

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Particulate
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	12/3/2007	571.4	3.70E-01	2.89E-02	2.41E-03	1.54E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	12/10/2007	569.4	3.70E-01	3.20E-02	2.54E-03	1.62E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	12/15/2007	404.9	3.70E-01	2.69E-02	2.87E-03	2.19E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	12/23/2007	644.7	3.70E-01	2.77E-02	2.23E-03	1.46E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	12/31/2007	734.2	3.70E-01	2.43E-02	1.93E-03	1.18E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/2/2007	558.7	3.88E-01	1.90E-02	2.01E-03	1.56E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/9/2007	563	3.88E-01	1.79E-02	1.97E-03	1.58E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/16/2007	562.9	3.88E-01	1.65E-02	1.89E-03	1.51E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/22/2007	485.7	3.88E-01	1.75E-02	2.16E-03	1.90E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/29/2007	565.5	3.88E-01	2.02E-02	2.10E-03	1.71E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/5/2007	572.7	3.88E-01	2.51E-02	2.27E-03	1.72E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/12/2007	555.2	3.88E-01	2.78E-02	2.37E-03	1.61E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/18/2007	483.9	3.88E-01	2.11E-02	2.32E-03	1.90E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/26/2007	641.3	3.88E-01	2.05E-02	1.91E-03	1.35E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/5/2007	539.3	3.88E-01	2.13E-02	2.18E-03	1.71E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/12/2007	587.5	3.88E-01	2.28E-02	2.12E-03	1.53E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/18/2007	526.8	3.88E-01	2.42E-02	2.33E-03	1.77E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/26/2007	718	3.88E-01	2.12E-02	1.84E-03	1.31E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	4/2/2007	627.5	3.88E-01	2.26E-02	2.01E-03	1.38E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	4/9/2007	608.1	3.88E-01	2.10E-02	2.00E-03	1.46E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	4/16/2007	628.4	3.88E-01	2.04E-02	1.93E-03	1.40E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	4/24/2007	701.4	3.88E-01	1.80E-02	1.75E-03	1.36E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/1/2007	620.4	3.70E-01	2.15E-02	2.05E-03	1.51E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/7/2007	533.8	3.70E-01	2.38E-02	2.31E-03	1.63E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/14/2007	606.4	3.70E-01	1.28E-02	1.70E-03	1.51E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/21/2007	618.2	3.70E-01	2.18E-02	2.06E-03	1.49E-03

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Particulate
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/29/2007	696.6	3.70E-01	2.65E-02	2.11E-03	1.42E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/4/2007	545.5	3.70E-01	2.95E-02	2.48E-03	1.56E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/11/2007	582.3	3.70E-01	2.55E-02	2.30E-03	1.65E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/18/2007	608.7	3.70E-01	1.95E-02	1.99E-03	1.51E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/25/2007	605.1	3.70E-01	2.71E-02	2.27E-03	1.48E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/3/2007	626	3.70E-01	1.86E-02	1.95E-03	1.57E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/9/2007	493.7	3.70E-01	2.28E-02	2.40E-03	1.85E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/16/2007	268.7	3.70E-01	1.98E-02	3.65E-03	4.09E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/23/2007	556.9	3.70E-01	2.49E-02	2.24E-03	1.34E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/28/2007	419.5	3.70E-01	2.18E-02	2.57E-03	2.06E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/5/2007	661.7	3.70E-01	2.27E-02	2.00E-03	1.32E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/13/2007	669.9	3.70E-01	3.95E-02	2.51E-03	1.21E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/20/2007	590.3	3.70E-01	3.69E-02	2.66E-03	1.62E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/28/2007	677.5	3.70E-01	1.72E-02	1.74E-03	1.22E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	9/2/2007	430.3	3.70E-01	2.77E-02	2.80E-03	2.06E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	9/10/2007	676.2	3.70E-01	3.14E-02	2.28E-03	1.35E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	9/16/2007	513.2	3.70E-01	2.13E-02	2.31E-03	1.88E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	9/24/2007	683.3	3.70E-01	1.61E-02	1.72E-03	1.34E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/1/2007	599.1	3.70E-01	2.57E-02	2.26E-03	1.57E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/8/2007	599.4	3.70E-01	1.49E-02	1.81E-03	1.51E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/15/2007	598.1	3.70E-01	2.67E-02	2.25E-03	1.38E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/22/2007	602.7	3.70E-01	3.02E-02	2.37E-03	1.42E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/28/2007	512.2	3.70E-01	1.83E-02	2.11E-03	1.63E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/5/2007	692.4	3.70E-01	2.41E-02	1.96E-03	1.10E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/12/2007	605.7	3.70E-01	3.39E-02	2.54E-03	1.63E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/19/2007	603.9	3.70E-01	3.68E-02	2.58E-03	1.41E-03

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Particulate
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/26/2007	604.2	3.70E-01	2.96E-02	2.35E-03	1.43E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/3/2007	605.9	3.70E-01	2.92E-02	2.34E-03	1.45E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/10/2007	604.1	3.70E-01	3.14E-02	2.43E-03	1.53E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/15/2007	431.9	3.70E-01	2.33E-02	2.61E-03	2.05E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/23/2007	687.9	3.70E-01	2.61E-02	2.09E-03	1.37E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/31/2007	683.3	3.70E-01	2.49E-02	2.03E-03	1.26E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	1/2/2007	578.8	3.88E-01	1.93E-02	1.98E-03	1.51E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	1/9/2007	561.6	3.88E-01	1.86E-02	2.00E-03	1.59E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	1/16/2007	576.6	3.88E-01	1.52E-02	1.80E-03	1.48E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	1/22/2007	481.8	3.88E-01	1.80E-02	2.20E-03	1.92E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	1/29/2007	573.4	3.88E-01	2.12E-02	2.12E-03	1.69E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/5/2007	572.3	3.88E-01	2.56E-02	2.29E-03	1.72E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/12/2007	566.2	3.88E-01	3.02E-02	2.42E-03	1.58E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/18/2007	488.9	3.88E-01	1.90E-02	2.22E-03	1.88E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/26/2007	666.1	3.88E-01	2.15E-02	1.90E-03	1.30E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	3/5/2007	570.8	3.88E-01	2.23E-02	2.14E-03	1.62E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	3/12/2007	513	3.88E-01	2.51E-02	2.38E-03	1.75E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	3/18/2007	432.7	3.88E-01	2.74E-02	2.75E-03	2.15E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	3/26/2007	600	3.88E-01	2.59E-02	2.21E-03	1.56E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	4/2/2007	520	3.88E-01	2.64E-02	2.39E-03	1.66E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	4/9/2007	513.7	3.88E-01	2.56E-02	2.39E-03	1.72E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	4/16/2007	578.6	3.88E-01	2.10E-02	2.06E-03	1.52E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	4/24/2007	583.7	3.88E-01	1.89E-02	2.00E-03	1.64E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/1/2007	524.3	3.70E-01	2.23E-02	2.31E-03	1.78E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/7/2007	458.3	3.70E-01	2.67E-02	2.65E-03	1.90E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/14/2007	515.6	3.70E-01	1.55E-02	2.02E-03	1.77E-03

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Particulate
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/21/2007	516.9	3.70E-01	2.52E-02	2.43E-03	1.78E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/29/2007	595.3	3.70E-01	3.04E-02	2.45E-03	1.66E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	6/4/2007	438.6	3.70E-01	3.24E-02	2.93E-03	1.94E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	6/11/2007	534.6	3.70E-01	2.84E-02	2.52E-03	1.80E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	6/18/2007	517.4	3.70E-01	2.14E-02	2.28E-03	1.78E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	6/25/2007	517.2	3.70E-01	3.00E-02	2.60E-03	1.73E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	7/3/2007	591.5	3.70E-01	2.23E-02	2.17E-03	1.66E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	7/9/2007	446.4	3.70E-01	2.67E-02	2.71E-03	2.05E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	7/16/2007	529.2	3.70E-01	2.33E-02	2.43E-03	2.08E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	7/23/2007	514.1	3.70E-01	2.64E-02	2.40E-03	1.45E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	7/28/2007	374.1	3.70E-01	2.66E-02	2.98E-03	2.31E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	8/5/2007	595.6	3.70E-01	2.66E-02	2.27E-03	1.46E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	8/13/2007	596.2	3.70E-01	4.08E-02	2.71E-03	1.36E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	8/20/2007	520.2	3.70E-01	3.98E-02	2.95E-03	1.84E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	8/28/2007	601.2	3.70E-01	2.00E-02	1.98E-03	1.37E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	9/2/2007	375.7	3.70E-01	3.20E-02	3.22E-03	2.36E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	9/10/2007	584.5	3.70E-01	3.42E-02	2.57E-03	1.57E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	9/16/2007	444.5	3.70E-01	2.51E-02	2.69E-03	2.17E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	9/24/2007	589.3	3.70E-01	1.74E-02	1.94E-03	1.55E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	10/1/2007	517.9	3.70E-01	3.34E-02	2.74E-03	1.82E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	10/8/2007	517.9	3.70E-01	1.86E-02	2.15E-03	1.75E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	10/15/2007	509.1	3.70E-01	3.39E-02	2.73E-03	1.62E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	10/22/2007	520.9	3.70E-01	3.52E-02	2.75E-03	1.64E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	10/28/2007	435.2	3.70E-01	2.19E-02	2.50E-03	1.92E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/5/2007	583.9	3.70E-01	3.42E-02	2.51E-03	1.30E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/12/2007	506.3	3.70E-01	4.22E-02	3.09E-03	1.95E-03

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Particulate
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/19/2007	510.9	3.70E-01	4.51E-02	3.10E-03	1.66E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/26/2007	505.7	3.70E-01	3.26E-02	2.71E-03	1.71E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	12/3/2007	516.1	3.70E-01	3.52E-02	2.78E-03	1.70E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	12/10/2007	503.3	3.70E-01	3.83E-02	2.94E-03	1.83E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	12/15/2007	364.9	3.70E-01	3.01E-02	3.19E-03	2.43E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	12/23/2007	569.7	3.70E-01	3.20E-02	2.54E-03	1.65E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	12/31/2007	575.7	3.70E-01	2.94E-02	2.41E-03	1.50E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/2/2007	555.6	3.88E-01	1.93E-02	2.03E-03	1.57E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/9/2007	559.4	3.88E-01	1.76E-02	1.97E-03	1.60E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/16/2007	563.1	3.88E-01	1.65E-02	1.89E-03	1.51E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/22/2007	481.6	3.88E-01	1.72E-02	2.16E-03	1.92E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/29/2007	562.4	3.88E-01	2.21E-02	2.18E-03	1.72E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/5/2007	571.4	3.88E-01	2.60E-02	2.31E-03	1.73E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/12/2007	555	3.88E-01	2.84E-02	2.39E-03	1.61E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/18/2007	481.5	3.88E-01	2.12E-02	2.33E-03	1.91E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/26/2007	643	3.88E-01	1.89E-02	1.84E-03	1.35E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/5/2007	515	3.88E-01	2.35E-02	2.33E-03	1.80E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/12/2007	598.3	3.88E-01	2.29E-02	2.09E-03	1.50E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/18/2007	537.7	3.88E-01	2.11E-02	2.18E-03	1.73E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/26/2007	726.3	3.88E-01	2.14E-02	1.83E-03	1.29E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/2/2007	633.8	3.88E-01	2.18E-02	1.97E-03	1.37E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/9/2007	372.8	3.88E-01	2.04E-02	2.68E-03	2.38E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/16/2007	641.3	3.88E-01	1.87E-02	1.84E-03	1.37E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/24/2007	719.9	3.88E-01	1.55E-02	1.63E-03	1.33E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/1/2007	635.5	3.70E-01	1.73E-02	1.86E-03	1.47E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/14/2007	519.8	3.70E-01	1.36E-02	1.92E-03	1.76E-03

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Particulate
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/21/2007	639.2	3.70E-01	2.05E-02	1.97E-03	1.44E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/29/2007	726.7	3.70E-01	2.43E-02	1.98E-03	1.36E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/4/2007	570.6	3.70E-01	2.79E-02	2.36E-03	1.49E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/11/2007	609.1	3.70E-01	2.21E-02	2.11E-03	1.58E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/18/2007	637.1	3.70E-01	1.81E-02	1.88E-03	1.45E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/25/2007	647.5	3.70E-01	2.49E-02	2.11E-03	1.38E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/3/2007	714.3	3.70E-01	1.99E-02	1.85E-03	1.38E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/9/2007	540.5	3.70E-01	2.23E-02	2.25E-03	1.69E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/16/2007	635	3.70E-01	1.78E-02	1.96E-03	1.73E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/23/2007	626.4	3.70E-01	2.04E-02	1.92E-03	1.19E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/28/2007	456	3.70E-01	2.00E-02	2.36E-03	1.90E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/5/2007	719	3.70E-01	2.04E-02	1.82E-03	1.21E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/13/2007	720.6	3.70E-01	3.55E-02	2.29E-03	1.12E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/20/2007	633	3.70E-01	3.44E-02	2.48E-03	1.51E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/28/2007	720.6	3.70E-01	1.58E-02	1.62E-03	1.15E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/2/2007	458.3	3.70E-01	2.73E-02	2.68E-03	1.93E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/10/2007	718.3	3.70E-01	2.94E-02	2.14E-03	1.27E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/16/2007	544.9	3.70E-01	1.98E-02	2.17E-03	1.77E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/24/2007	795.3	3.70E-01	1.28E-02	1.43E-03	1.15E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/1/2007	556	3.70E-01	2.96E-02	2.50E-03	1.70E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/8/2007	558.4	3.70E-01	1.65E-02	1.96E-03	1.63E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/15/2007	852.7	3.70E-01	1.74E-02	1.53E-03	9.69E-04
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/22/2007	620.1	3.70E-01	2.81E-02	2.26E-03	1.38E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/28/2007	505.1	3.70E-01	1.75E-02	2.09E-03	1.65E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/5/2007	682.2	3.70E-01	2.56E-02	2.03E-03	1.12E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/12/2007	596.3	3.70E-01	3.24E-02	2.51E-03	1.66E-03

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Particulate
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/19/2007	595	3.70E-01	3.28E-02	2.47E-03	1.43E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/26/2007	596.6	3.70E-01	2.67E-02	2.26E-03	1.45E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/3/2007	597.1	3.70E-01	2.37E-02	2.16E-03	1.47E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/10/2007	597.1	3.70E-01	2.90E-02	2.37E-03	1.54E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/15/2007	424.1	3.70E-01	2.44E-02	2.69E-03	2.09E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/23/2007	679.3	3.70E-01	2.40E-02	2.04E-03	1.39E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/31/2007	674.4	3.70E-01	2.40E-02	2.02E-03	1.28E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	1/2/2007	451.7	3.88E-01	2.14E-02	2.40E-03	1.93E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	1/9/2007	519.9	3.88E-01	2.05E-02	2.18E-03	1.72E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	1/16/2007	551.8	3.88E-01	1.83E-02	1.99E-03	1.54E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	1/22/2007	462.3	3.88E-01	1.82E-02	2.26E-03	2.00E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	1/29/2007	534.8	3.88E-01	2.47E-02	2.35E-03	1.81E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	2/5/2007	536	3.88E-01	2.68E-02	2.43E-03	1.84E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	2/12/2007	520	3.88E-01	2.98E-02	2.53E-03	1.72E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	2/18/2007	453	3.88E-01	2.64E-02	2.63E-03	2.03E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	2/26/2007	609	3.88E-01	2.11E-02	1.99E-03	1.42E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	3/5/2007	539.2	3.88E-01	2.51E-02	2.33E-03	1.71E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	3/12/2007	561	3.88E-01	2.28E-02	2.17E-03	1.60E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	3/18/2007	487.9	3.88E-01	2.51E-02	2.47E-03	1.91E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	3/26/2007	661.2	3.88E-01	2.33E-02	2.00E-03	1.42E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	4/2/2007	582.4	3.88E-01	2.48E-02	2.18E-03	1.49E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	4/9/2007	559.2	3.88E-01	1.97E-02	2.05E-03	1.58E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	4/16/2007	572	3.88E-01	2.25E-02	2.13E-03	1.54E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	4/24/2007	639	3.88E-01	1.82E-02	1.86E-03	1.50E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	5/1/2007	596.9	3.70E-01	1.89E-02	2.00E-03	1.57E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	5/7/2007	511.9	3.70E-01	2.27E-02	2.32E-03	1.70E-03

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Particulate
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
60	0.2 MI SE - ROBINSON PICNIC AREA	5/14/2007	587.9	3.70E-01	1.33E-02	1.76E-03	1.56E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	5/21/2007	597.5	3.70E-01	2.09E-02	2.07E-03	1.54E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	5/29/2007	680.9	3.70E-01	2.64E-02	2.13E-03	1.45E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	6/4/2007	536.6	3.70E-01	3.04E-02	2.54E-03	1.58E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	6/11/2007	578.7	3.70E-01	2.48E-02	2.28E-03	1.66E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	6/18/2007	598.4	3.70E-01	2.05E-02	2.05E-03	1.54E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	6/25/2007	614.8	3.70E-01	2.47E-02	2.16E-03	1.45E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	7/3/2007	683.4	3.70E-01	1.90E-02	1.86E-03	1.44E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	7/9/2007	517.3	3.70E-01	2.57E-02	2.45E-03	1.77E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	7/16/2007	607.6	3.70E-01	2.14E-02	2.16E-03	1.81E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	7/23/2007	600.7	3.70E-01	2.10E-02	1.99E-03	1.24E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	7/28/2007	437.3	3.70E-01	2.13E-02	2.49E-03	1.98E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	8/5/2007	683.6	3.70E-01	2.28E-02	1.96E-03	1.27E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	8/13/2007	697.7	3.70E-01	3.39E-02	2.29E-03	1.16E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	8/20/2007	609.1	3.70E-01	3.67E-02	2.60E-03	1.57E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	8/28/2007	693.6	3.70E-01	1.79E-02	1.74E-03	1.19E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	9/2/2007	438.1	3.70E-01	3.01E-02	2.86E-03	2.02E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	9/10/2007	688.1	3.70E-01	3.00E-02	2.21E-03	1.33E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	9/16/2007	500.9	3.70E-01	2.18E-02	2.37E-03	1.92E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	9/24/2007	715.7	3.70E-01	1.42E-02	1.59E-03	1.28E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	10/1/2007	627.2	3.70E-01	2.52E-02	2.18E-03	1.50E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	10/8/2007	624.3	3.70E-01	1.46E-02	1.75E-03	1.45E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	10/15/2007	620.1	3.70E-01	2.44E-02	2.12E-03	1.33E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	10/22/2007	629.1	3.70E-01	2.78E-02	2.23E-03	1.36E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	10/28/2007	533.6	3.70E-01	1.78E-02	2.04E-03	1.56E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	11/5/2007	691.1	3.70E-01	2.76E-02	2.08E-03	1.10E-03

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Particulate
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
60	0.2 MI SE - ROBINSON PICNIC AREA	11/12/2007	590.3	3.70E-01	3.58E-02	2.64E-03	1.68E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	11/19/2007	590.8	3.70E-01	4.00E-02	2.71E-03	1.44E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	11/26/2007	590.8	3.70E-01	2.89E-02	2.36E-03	1.46E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	12/3/2007	587.3	3.70E-01	2.89E-02	2.37E-03	1.50E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	12/10/2007	581.9	3.70E-01	3.36E-02	2.56E-03	1.58E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	12/15/2007	432.7	3.70E-01	2.52E-02	2.68E-03	2.05E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	12/23/2007	656.5	3.70E-01	2.69E-02	2.18E-03	1.44E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	12/31/2007	663.7	3.70E-01	2.79E-02	2.17E-03	1.30E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	1/2/2007	513.1	3.88E-01	1.94E-02	2.14E-03	1.70E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	1/9/2007	537	3.88E-01	1.92E-02	2.08E-03	1.66E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	1/16/2007	524.6	3.88E-01	1.66E-02	1.98E-03	1.62E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	1/22/2007	433.9	3.88E-01	1.80E-02	2.35E-03	2.13E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	1/29/2007	496.4	3.88E-01	2.23E-02	2.36E-03	1.95E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	2/5/2007	491.8	3.88E-01	3.06E-02	2.70E-03	2.00E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	2/12/2007	469	3.88E-01	3.12E-02	2.74E-03	1.90E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	2/18/2007	425.8	3.88E-01	2.60E-02	2.72E-03	2.16E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	2/26/2007	568.7	3.88E-01	2.10E-02	2.07E-03	1.52E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	3/5/2007	481	3.88E-01	2.57E-02	2.52E-03	1.92E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	3/12/2007	581.3	3.88E-01	2.04E-02	2.03E-03	1.55E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	3/18/2007	538.1	3.88E-01	2.03E-02	2.15E-03	1.73E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	3/26/2007	750.8	3.88E-01	1.95E-02	1.73E-03	1.25E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	4/2/2007	679.4	3.88E-01	1.83E-02	1.76E-03	1.27E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	4/9/2007	602.2	3.88E-01	1.92E-02	1.94E-03	1.47E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	4/16/2007	634.5	3.88E-01	1.79E-02	1.82E-03	1.39E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	4/24/2007	705	3.88E-01	1.25E-02	1.53E-03	1.36E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/1/2007	686.1	3.70E-01	1.56E-02	1.70E-03	1.36E-03

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Particulate
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/7/2007	576.1	3.70E-01	1.93E-02	2.03E-03	1.51E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/14/2007	652.8	3.70E-01	1.09E-02	1.53E-03	1.40E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/21/2007	674.1	3.70E-01	1.80E-02	1.81E-03	1.37E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/29/2007	774.6	3.70E-01	2.16E-02	1.82E-03	1.28E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	6/4/2007	577.6	3.70E-01	2.68E-02	2.31E-03	1.47E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	6/11/2007	682.9	3.70E-01	1.86E-02	1.84E-03	1.41E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	6/18/2007	677.8	3.70E-01	1.57E-02	1.72E-03	1.36E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	6/25/2007	698.1	3.70E-01	2.13E-02	1.89E-03	1.28E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	7/3/2007	770.9	3.70E-01	1.66E-02	1.64E-03	1.27E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	7/9/2007	586.7	3.70E-01	1.95E-02	2.03E-03	1.56E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	7/16/2007	684	3.70E-01	1.73E-02	1.85E-03	1.61E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	7/23/2007	684.8	3.70E-01	1.83E-02	1.74E-03	1.09E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	7/28/2007	496.4	3.70E-01	1.91E-02	2.20E-03	1.74E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	8/5/2007	778.2	3.70E-01	1.85E-02	1.67E-03	1.12E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	8/13/2007	785	3.70E-01	2.89E-02	2.00E-03	1.03E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	8/20/2007	682.2	3.70E-01	2.89E-02	2.20E-03	1.40E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	8/28/2007	782.6	3.70E-01	1.55E-02	1.53E-03	1.06E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	9/2/2007	494.2	3.70E-01	2.49E-02	2.47E-03	1.79E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	9/10/2007	775.9	3.70E-01	2.35E-02	1.86E-03	1.18E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	9/16/2007	586.3	3.70E-01	1.76E-02	1.98E-03	1.64E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	9/24/2007	765.9	3.70E-01	1.18E-02	1.42E-03	1.19E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	10/1/2007	680.1	3.70E-01	2.16E-02	1.95E-03	1.39E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	10/8/2007	676.3	3.70E-01	1.26E-02	1.57E-03	1.34E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	10/15/2007	670.1	3.70E-01	1.92E-02	1.83E-03	1.23E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	10/22/2007	680	3.70E-01	2.29E-02	1.97E-03	1.26E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	10/28/2007	573.5	3.70E-01	1.58E-02	1.86E-03	1.45E-03

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Particulate
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	11/5/2007	729.1	3.70E-01	2.33E-02	1.87E-03	1.04E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	11/12/2007	566.4	3.70E-01	3.25E-02	2.59E-03	1.75E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	11/19/2007	603	3.70E-01	3.30E-02	2.46E-03	1.41E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	11/26/2007	636.2	3.70E-01	2.28E-02	2.04E-03	1.36E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	12/3/2007	581.4	3.70E-01	2.52E-02	2.25E-03	1.51E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	12/10/2007	570.7	3.70E-01	2.99E-02	2.46E-03	1.62E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	12/15/2007	480.4	3.70E-01	2.06E-02	2.33E-03	1.84E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	12/23/2007	654.9	3.70E-01	2.64E-02	2.17E-03	1.44E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	12/31/2007	673.1	3.70E-01	2.41E-02	2.02E-03	1.28E-03

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Cartridge
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Iodine

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
1	24.4 MI ESE - FLORENCE - CONTROL	1/2/2007	600.3		<LLD		1.83E-02
1	24.4 MI ESE - FLORENCE - CONTROL	1/9/2007	592.1		<LLD		2.28E-02
1	24.4 MI ESE - FLORENCE - CONTROL	1/16/2007	599.2		<LLD		2.03E-02
1	24.4 MI ESE - FLORENCE - CONTROL	1/22/2007	499.6		<LLD		2.01E-02
1	24.4 MI ESE - FLORENCE - CONTROL	1/29/2007	591.3		<LLD		2.19E-02
1	24.4 MI ESE - FLORENCE - CONTROL	2/5/2007	587.2		<LLD		1.95E-02
1	24.4 MI ESE - FLORENCE - CONTROL	2/12/2007	583.5		<LLD		2.28E-02
1	24.4 MI ESE - FLORENCE - CONTROL	2/18/2007	502.8		<LLD		1.26E-02
1	24.4 MI ESE - FLORENCE - CONTROL	2/26/2007	683.6		<LLD		1.98E-02
1	24.4 MI ESE - FLORENCE - CONTROL	3/5/2007	586.5		<LLD		1.83E-02
1	24.4 MI ESE - FLORENCE - CONTROL	3/12/2007	606.6		<LLD		1.92E-02
1	24.4 MI ESE - FLORENCE - CONTROL	3/18/2007	513.5		<LLD		2.56E-02
1	24.4 MI ESE - FLORENCE - CONTROL	3/26/2007	706.0		<LLD		2.03E-02
1	24.4 MI ESE - FLORENCE - CONTROL	4/2/2007	614.3		<LLD		1.24E-02
1	24.4 MI ESE - FLORENCE - CONTROL	4/9/2007	598.1		<LLD		2.23E-02
1	24.4 MI ESE - FLORENCE - CONTROL	4/16/2007	609.6		<LLD		2.74E-02
1	24.4 MI ESE - FLORENCE - CONTROL	4/24/2007	690.0		<LLD		2.31E-02
1	24.4 MI ESE - FLORENCE - CONTROL	5/1/2007	614.4		<LLD		1.76E-02
1	24.4 MI ESE - FLORENCE - CONTROL	5/7/2007	525.9		<LLD		2.11E-02
1	24.4 MI ESE - FLORENCE - CONTROL	5/14/2007	609.5		<LLD		1.79E-02
1	24.4 MI ESE - FLORENCE - CONTROL	5/21/2007	616.4		<LLD		1.53E-02
1	24.4 MI ESE - FLORENCE - CONTROL	5/29/2007	697.5		<LLD		1.47E-02
1	24.4 MI ESE - FLORENCE - CONTROL	6/4/2007	509.9		<LLD		3.21E-02
1	24.4 MI ESE - FLORENCE - CONTROL	6/11/2007	640.7		<LLD		1.78E-02
1	24.4 MI ESE - FLORENCE - CONTROL	6/18/2007	613.3		<LLD		1.59E-02

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Cartridge
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Iodine

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
1	24.4 MI ESE - FLORENCE - CONTROL	6/25/2007	624.1		<LLD		2.62E-02
1	24.4 MI ESE - FLORENCE - CONTROL	7/3/2007	700.6		<LLD		2.00E-02
1	24.4 MI ESE - FLORENCE - CONTROL	7/9/2007	537.4		<LLD		1.71E-02
1	24.4 MI ESE - FLORENCE - CONTROL	7/16/2007	625.3		<LLD		1.51E-02
1	24.4 MI ESE - FLORENCE - CONTROL	7/23/2007	613.8		<LLD		2.02E-02
1	24.4 MI ESE - FLORENCE - CONTROL	7/28/2007	456.8		<LLD		1.88E-02
1	24.4 MI ESE - FLORENCE - CONTROL	8/5/2007	714.6		<LLD		1.42E-02
1	24.4 MI ESE - FLORENCE - CONTROL	8/13/2007	714.1		<LLD		2.06E-02
1	24.4 MI ESE - FLORENCE - CONTROL	8/20/2007	624.3		<LLD		2.27E-02
1	24.4 MI ESE - FLORENCE - CONTROL	8/28/2007	720.3		<LLD		1.34E-02
1	24.4 MI ESE - FLORENCE - CONTROL	9/2/2007	440.6		<LLD		2.69E-02
1	24.4 MI ESE - FLORENCE - CONTROL	9/10/2007	705.0		<LLD		1.54E-02
1	24.4 MI ESE - FLORENCE - CONTROL	9/16/2007	582.8		<LLD		1.44E-02
1	24.4 MI ESE - FLORENCE - CONTROL	9/24/2007	804.1		<LLD		1.89E-02
1	24.4 MI ESE - FLORENCE - CONTROL	10/1/2007	694.7		<LLD		1.15E-02
1	24.4 MI ESE - FLORENCE - CONTROL	10/8/2007	692.3		<LLD		1.51E-02
1	24.4 MI ESE - FLORENCE - CONTROL	10/15/2007	682.1		<LLD		2.09E-02
1	24.4 MI ESE - FLORENCE - CONTROL	10/22/2007	696.5		<LLD		1.63E-02
1	24.4 MI ESE - FLORENCE - CONTROL	10/28/2007	581.4		<LLD		2.17E-02
1	24.4 MI ESE - FLORENCE - CONTROL	11/5/2007	780.2		<LLD		1.51E-02
1	24.4 MI ESE - FLORENCE - CONTROL	11/12/2007	672.4		<LLD		2.25E-02
1	24.4 MI ESE - FLORENCE - CONTROL	11/19/2007	680.6		<LLD		1.56E-02
1	24.4 MI ESE - FLORENCE - CONTROL	11/26/2007	670.7		<LLD		1.91E-02
1	24.4 MI ESE - FLORENCE - CONTROL	12/3/2007	678.6		<LLD		1.61E-02
1	24.4 MI ESE - FLORENCE - CONTROL	12/10/2007	674.1		<LLD		1.49E-02

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Cartridge
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Iodine

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
1	24.4 MI ESE - FLORENCE - CONTROL	12/15/2007	491.0		<LLD		2.09E-02
1	24.4 MI ESE - FLORENCE - CONTROL	12/23/2007	756.5		<LLD		1.91E-02
1	24.4 MI ESE - FLORENCE - CONTROL	12/31/2007	771.2		<LLD		1.87E-02
2	0.2 MI S - INFORMATION CENTER	1/2/2007	588.6		<LLD		2.16E-02
2	0.2 MI S - INFORMATION CENTER	1/9/2007	600.1		<LLD		1.54E-02
2	0.2 MI S - INFORMATION CENTER	1/16/2007	599.6		<LLD		1.53E-02
2	0.2 MI S - INFORMATION CENTER	1/22/2007	499.5		<LLD		1.40E-02
2	0.2 MI S - INFORMATION CENTER	1/29/2007	589.9		<LLD		1.88E-02
2	0.2 MI S - INFORMATION CENTER	2/5/2007	590.2		<LLD		3.25E-02
2	0.2 MI S - INFORMATION CENTER	2/12/2007	573.0		<LLD		1.33E-02
2	0.2 MI S - INFORMATION CENTER	2/18/2007	500.9		<LLD		2.67E-02
2	0.2 MI S - INFORMATION CENTER	2/26/2007	677.7		<LLD		1.33E-02
2	0.2 MI S - INFORMATION CENTER	3/5/2007	592.1		<LLD		1.71E-02
2	0.2 MI S - INFORMATION CENTER	3/12/2007	598.0		<LLD		1.17E-02
2	0.2 MI S - INFORMATION CENTER	3/18/2007	506.7		<LLD		1.78E-02
2	0.2 MI S - INFORMATION CENTER	3/26/2007	696.6		<LLD		1.09E-02
2	0.2 MI S - INFORMATION CENTER	4/2/2007	610.4		<LLD		2.01E-02
2	0.2 MI S - INFORMATION CENTER	4/9/2007	603.2		<LLD		1.37E-02
2	0.2 MI S - INFORMATION CENTER	4/16/2007	576.6		<LLD		1.97E-02
2	0.2 MI S - INFORMATION CENTER	4/24/2007	675.3		<LLD		1.65E-02
2	0.2 MI S - INFORMATION CENTER	5/1/2007	616.0		<LLD		1.67E-02
2	0.2 MI S - INFORMATION CENTER	5/7/2007	513.3		<LLD		2.50E-02
2	0.2 MI S - INFORMATION CENTER	5/14/2007	597.1		<LLD		1.98E-02
2	0.2 MI S - INFORMATION CENTER	5/21/2007	605.6		<LLD		1.89E-02
2	0.2 MI S - INFORMATION CENTER	5/29/2007	721.1		<LLD		1.56E-02

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Cartridge
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Iodine

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
2	0.2 MI S - INFORMATION CENTER	6/4/2007	511.7		<LLD		2.62E-02
2	0.2 MI S - INFORMATION CENTER	6/11/2007	587.0		<LLD		1.04E-02
2	0.2 MI S - INFORMATION CENTER	6/18/2007	604.2		<LLD		1.19E-02
2	0.2 MI S - INFORMATION CENTER	6/25/2007	611.5		<LLD		2.04E-02
2	0.2 MI S - INFORMATION CENTER	7/3/2007	667.8		<LLD		1.29E-02
2	0.2 MI S - INFORMATION CENTER	7/9/2007	508.6		<LLD		1.59E-02
2	0.2 MI S - INFORMATION CENTER	7/16/2007	595.1		<LLD		1.67E-02
2	0.2 MI S - INFORMATION CENTER	7/23/2007	587.7		<LLD		9.19E-03
2	0.2 MI S - INFORMATION CENTER	7/28/2007	428.6		<LLD		3.02E-02
2	0.2 MI S - INFORMATION CENTER	8/5/2007	672.9		<LLD		1.93E-02
2	0.2 MI S - INFORMATION CENTER	8/13/2007	681.7		<LLD		2.41E-02
2	0.2 MI S - INFORMATION CENTER	8/20/2007	577.1		<LLD		1.58E-02
2	0.2 MI S - INFORMATION CENTER	8/28/2007	657.0		<LLD		1.11E-02
2	0.2 MI S - INFORMATION CENTER	9/2/2007	428.6		<LLD		1.91E-02
2	0.2 MI S - INFORMATION CENTER	9/10/2007	662.3		<LLD		1.47E-02
2	0.2 MI S - INFORMATION CENTER	9/16/2007	523.8		<LLD		2.94E-02
2	0.2 MI S - INFORMATION CENTER	9/24/2007	706.8		<LLD		1.42E-02
2	0.2 MI S - INFORMATION CENTER	10/1/2007	537.6		<LLD		1.69E-02
2	0.2 MI S - INFORMATION CENTER	10/8/2007	581.6		<LLD		1.76E-02
2	0.2 MI S - INFORMATION CENTER	10/15/2007	580.4		<LLD		1.56E-02
2	0.2 MI S - INFORMATION CENTER	10/22/2007	586.9		<LLD		1.54E-02
2	0.2 MI S - INFORMATION CENTER	10/28/2007	493.1		<LLD		1.58E-02
2	0.2 MI S - INFORMATION CENTER	11/5/2007	650.2		<LLD		1.83E-02
2	0.2 MI S - INFORMATION CENTER	11/12/2007	563.7		<LLD		2.30E-02
2	0.2 MI S - INFORMATION CENTER	11/19/2007	569.6		<LLD		1.01E-02

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Cartridge
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Iodine

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
2	0.2 MI S - INFORMATION CENTER	11/26/2007	583.5		<LLD		2.83E-02
2	0.2 MI S - INFORMATION CENTER	12/3/2007	581.7		<LLD		1.21E-02
2	0.2 MI S - INFORMATION CENTER	12/10/2007	561.7		<LLD		1.87E-02
2	0.2 MI S - INFORMATION CENTER	12/15/2007	415.4		<LLD		2.83E-02
2	0.2 MI S - INFORMATION CENTER	12/23/2007	626.4		<LLD		1.46E-02
2	0.2 MI S - INFORMATION CENTER	12/31/2007	634.8		<LLD		1.76E-02
3	0.5 MI N - MICROWAVE TOWER	1/2/2007	533.2		<LLD		2.28E-02
3	0.5 MI N - MICROWAVE TOWER	1/9/2007	536.8		<LLD		1.21E-02
3	0.5 MI N - MICROWAVE TOWER	1/16/2007	539.8		<LLD		7.81E-03
3	0.5 MI N - MICROWAVE TOWER	1/22/2007	452.0		<LLD		8.50E-03
3	0.5 MI N - MICROWAVE TOWER	1/29/2007	535.0		<LLD		2.20E-02
3	0.5 MI N - MICROWAVE TOWER	2/5/2007	532.2		<LLD		2.63E-02
3	0.5 MI N - MICROWAVE TOWER	2/12/2007	523.4		<LLD		2.07E-02
3	0.5 MI N - MICROWAVE TOWER	2/18/2007	452.3		<LLD		1.10E-02
3	0.5 MI N - MICROWAVE TOWER	2/26/2007	613.3		<LLD		9.37E-03
3	0.5 MI N - MICROWAVE TOWER	3/5/2007	535.0		<LLD		2.96E-02
3	0.5 MI N - MICROWAVE TOWER	3/12/2007	559.4		<LLD		2.04E-02
3	0.5 MI N - MICROWAVE TOWER	3/18/2007	559.4		<LLD		2.61E-02
3	0.5 MI N - MICROWAVE TOWER	3/26/2007	832.7		<LLD		1.63E-02
3	0.5 MI N - MICROWAVE TOWER	4/2/2007	581.5		<LLD		1.49E-02
3	0.5 MI N - MICROWAVE TOWER	4/9/2007	560.2		<LLD		1.28E-02
3	0.5 MI N - MICROWAVE TOWER	4/16/2007	581.8		<LLD		2.26E-02
3	0.5 MI N - MICROWAVE TOWER	4/24/2007	661.7		<LLD		1.62E-02
3	0.5 MI N - MICROWAVE TOWER	5/1/2007	592.1		<LLD		1.37E-02
3	0.5 MI N - MICROWAVE TOWER	5/7/2007	503.3		<LLD		1.90E-02

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Cartridge
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Iodine

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
3	0.5 MI N - MICROWAVE TOWER	5/14/2007	582.3		<LLD		1.65E-02
3	0.5 MI N - MICROWAVE TOWER	5/21/2007	589.2		<LLD		1.62E-02
3	0.5 MI N - MICROWAVE TOWER	5/29/2007	671.7		<LLD		1.30E-02
3	0.5 MI N - MICROWAVE TOWER	6/4/2007	505.4		<LLD		2.45E-02
3	0.5 MI N - MICROWAVE TOWER	6/11/2007	593.7		<LLD		2.05E-02
3	0.5 MI N - MICROWAVE TOWER	6/18/2007	586.6		<LLD		8.83E-03
3	0.5 MI N - MICROWAVE TOWER	6/25/2007	596.9		<LLD		1.66E-02
3	0.5 MI N - MICROWAVE TOWER	7/3/2007	670.0		<LLD		1.12E-02
3	0.5 MI N - MICROWAVE TOWER	7/9/2007	505.8		<LLD		1.73E-02
3	0.5 MI N - MICROWAVE TOWER	7/16/2007	592.5		<LLD		1.45E-02
3	0.5 MI N - MICROWAVE TOWER	7/23/2007	584.6		<LLD		1.21E-02
3	0.5 MI N - MICROWAVE TOWER	7/28/2007	419.5		<LLD		2.05E-02
3	0.5 MI N - MICROWAVE TOWER	8/5/2007	676.2		<LLD		2.70E-02
3	0.5 MI N - MICROWAVE TOWER	8/13/2007	678.2		<LLD		2.69E-02
3	0.5 MI N - MICROWAVE TOWER	8/20/2007	594.3		<LLD		2.10E-02
3	0.5 MI N - MICROWAVE TOWER	8/28/2007	594.6		<LLD		1.30E-02
3	0.5 MI N - MICROWAVE TOWER	9/2/2007	508.8		<LLD		1.60E-02
3	0.5 MI N - MICROWAVE TOWER	9/10/2007	669.8		<LLD		1.19E-02
3	0.5 MI N - MICROWAVE TOWER	9/16/2007	535.3		<LLD		1.70E-02
3	0.5 MI N - MICROWAVE TOWER	9/24/2007	709.4		<LLD		1.19E-02
3	0.5 MI N - MICROWAVE TOWER	10/1/2007	624.8		<LLD		1.36E-02
3	0.5 MI N - MICROWAVE TOWER	10/8/2007	629.6		<LLD		1.14E-02
3	0.5 MI N - MICROWAVE TOWER	10/15/2007	614.7		<LLD		1.14E-02
3	0.5 MI N - MICROWAVE TOWER	10/22/2007	627.5		<LLD		1.22E-02
3	0.5 MI N - MICROWAVE TOWER	10/28/2007	526.2		<LLD		1.05E-02

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Cartridge
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Iodine

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
3	0.5 MI N - MICROWAVE TOWER	11/5/2007	705.8		<LLD		1.58E-02
3	0.5 MI N - MICROWAVE TOWER	11/12/2007	610.2		<LLD		1.37E-02
3	0.5 MI N - MICROWAVE TOWER	11/19/2007	610.1		<LLD		1.70E-02
3	0.5 MI N - MICROWAVE TOWER	11/26/2007	611.3		<LLD		1.68E-02
3	0.5 MI N - MICROWAVE TOWER	12/3/2007	612.5		<LLD		1.06E-02
3	0.5 MI N - MICROWAVE TOWER	12/10/2007	611.1		<LLD		1.47E-02
3	0.5 MI N - MICROWAVE TOWER	12/15/2007	442.3		<LLD		1.34E-02
3	0.5 MI N - MICROWAVE TOWER	12/23/2007	687.6		<LLD		1.72E-02
3	0.5 MI N - MICROWAVE TOWER	12/31/2007	690.8		<LLD		1.71E-02
4	0.4 MI ESE - SPILLWAY	1/2/2007	508.8		<LLD		2.70E-02
4	0.4 MI ESE - SPILLWAY	1/9/2007	515.6		<LLD		1.89E-02
4	0.4 MI ESE - SPILLWAY	1/16/2007	515.0		<LLD		2.98E-02
4	0.4 MI ESE - SPILLWAY	1/22/2007	430.3		<LLD		2.54E-02
4	0.4 MI ESE - SPILLWAY	1/29/2007	504.9		<LLD		2.92E-02
4	0.4 MI ESE - SPILLWAY	2/5/2007	506.5		<LLD		2.88E-02
4	0.4 MI ESE - SPILLWAY	2/12/2007	494.1		<LLD		3.97E-02
4	0.4 MI ESE - SPILLWAY	2/18/2007	430.2		<LLD		4.64E-02
4	0.4 MI ESE - SPILLWAY	2/26/2007	581.8		<LLD		2.55E-02
4	0.4 MI ESE - SPILLWAY	3/5/2007	561.9		<LLD		2.19E-02
4	0.4 MI ESE - SPILLWAY	3/12/2007	584.7		<LLD		2.52E-02
4	0.4 MI ESE - SPILLWAY	3/18/2007	506.5		<LLD		1.38E-02
4	0.4 MI ESE - SPILLWAY	3/26/2007	673.2		<LLD		9.87E-03
4	0.4 MI ESE - SPILLWAY	4/2/2007	590.6		<LLD		3.36E-02
4	0.4 MI ESE - SPILLWAY	4/9/2007	574.6		<LLD		1.23E-02
4	0.4 MI ESE - SPILLWAY	4/16/2007	587.9		<LLD		1.12E-02

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Cartridge
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Iodine

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
4	0.4 MI ESE - SPILLWAY	4/24/2007	660.6		<LLD		2.01E-02
4	0.4 MI ESE - SPILLWAY	5/1/2007	592.8		<LLD		2.00E-02
4	0.4 MI ESE - SPILLWAY	5/7/2007	503.5		<LLD		3.17E-02
4	0.4 MI ESE - SPILLWAY	5/14/2007	579.6		<LLD		2.55E-02
4	0.4 MI ESE - SPILLWAY	5/21/2007	584.8		<LLD		2.63E-02
4	0.4 MI ESE - SPILLWAY	5/29/2007	665.7		<LLD		1.27E-02
4	0.4 MI ESE - SPILLWAY	6/4/2007	522.4		<LLD		3.50E-02
4	0.4 MI ESE - SPILLWAY	6/11/2007	561.5		<LLD		3.55E-02
4	0.4 MI ESE - SPILLWAY	6/18/2007	581.4		<LLD		3.06E-02
4	0.4 MI ESE - SPILLWAY	6/25/2007	598.0		<LLD		2.16E-02
4	0.4 MI ESE - SPILLWAY	7/3/2007	694.2		<LLD		2.37E-02
4	0.4 MI ESE - SPILLWAY	7/9/2007	527.1		<LLD		1.86E-02
4	0.4 MI ESE - SPILLWAY	7/16/2007	617.1		<LLD		2.44E-02
4	0.4 MI ESE - SPILLWAY	7/23/2007	609.0		<LLD		2.28E-02
4	0.4 MI ESE - SPILLWAY	7/28/2007	442.7		<LLD		2.58E-02
4	0.4 MI ESE - SPILLWAY	8/5/2007	699.6		<LLD		1.61E-02
4	0.4 MI ESE - SPILLWAY	8/13/2007	709.5		<LLD		2.38E-02
4	0.4 MI ESE - SPILLWAY	8/20/2007	619.6		<LLD		1.77E-02
4	0.4 MI ESE - SPILLWAY	8/28/2007	705.4		<LLD		2.87E-02
4	0.4 MI ESE - SPILLWAY	9/2/2007	444.5		<LLD		3.46E-02
4	0.4 MI ESE - SPILLWAY	9/10/2007	697.9		<LLD		2.50E-02
4	0.4 MI ESE - SPILLWAY	9/16/2007	527.5		<LLD		3.54E-02
4	0.4 MI ESE - SPILLWAY	9/24/2007	694.1		<LLD		2.03E-02
4	0.4 MI ESE - SPILLWAY	10/1/2007	609.5		<LLD		2.46E-02
4	0.4 MI ESE - SPILLWAY	10/8/2007	562.8		<LLD		2.80E-02

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Cartridge
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Iodine

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
4	0.4 MI ESE - SPILLWAY	10/15/2007	604.9		<LLD		2.94E-02
4	0.4 MI ESE - SPILLWAY	10/22/2007	611.1		<LLD		2.91E-02
4	0.4 MI ESE - SPILLWAY	10/28/2007	515.3		<LLD		2.71E-02
4	0.4 MI ESE - SPILLWAY	11/5/2007	683.3		<LLD		1.86E-02
4	0.4 MI ESE - SPILLWAY	11/12/2007	593.4		<LLD		2.32E-02
4	0.4 MI ESE - SPILLWAY	11/19/2007	595.7		<LLD		2.54E-02
4	0.4 MI ESE - SPILLWAY	11/26/2007	595.6		<LLD		2.22E-02
4	0.4 MI ESE - SPILLWAY	12/3/2007	615.0		<LLD		1.73E-02
4	0.4 MI ESE - SPILLWAY	12/10/2007	571.0		<LLD		1.96E-02
4	0.4 MI ESE - SPILLWAY	12/15/2007	431.1		<LLD		2.76E-02
4	0.4 MI ESE - SPILLWAY	12/23/2007	666.8		<LLD		2.25E-02
4	0.4 MI ESE - SPILLWAY	12/31/2007	671.0		<LLD		2.35E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	1/2/2007	655.2		<LLD		2.31E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	1/9/2007	661.1		<LLD		1.89E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	1/16/2007	666.9		<LLD		1.90E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	1/22/2007	557.0		<LLD		2.34E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	1/29/2007	658.9		<LLD		2.24E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	2/5/2007	656.1		<LLD		1.53E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	2/12/2007	644.8		<LLD		2.62E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	2/18/2007	559.0		<LLD		2.38E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	2/26/2007	756.7		<LLD		1.78E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	3/5/2007	648.5		<LLD		1.53E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	3/12/2007	626.7		<LLD		2.37E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	3/18/2007	541.8		<LLD		1.79E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	3/26/2007	739.9		<LLD		5.72E-03

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Cartridge
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Iodine

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	4/2/2007	648.2		<LLD		2.06E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	4/9/2007	618.6		<LLD		1.10E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	4/16/2007	641.4		<LLD		1.89E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	4/24/2007	440.0		<LLD		3.88E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	5/1/2007	585.6		<LLD		1.25E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	5/7/2007	501.2		<LLD		1.58E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	5/14/2007	576.8		<LLD		1.30E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	5/21/2007	582.2		<LLD		1.72E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	5/29/2007	661.5		<LLD		1.45E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	6/4/2007	495.0		<LLD		2.89E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	6/11/2007	581.3		<LLD		2.40E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	6/18/2007	568.8		<LLD		8.20E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	6/25/2007	587.6		<LLD		1.92E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	7/3/2007	653.3		<LLD		1.31E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	7/9/2007	490.9		<LLD		1.45E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	7/16/2007	576.6		<LLD		1.83E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	7/23/2007	567.5		<LLD		2.11E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	7/28/2007	412.6		<LLD		1.83E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	8/5/2007	649.8		<LLD		1.06E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	8/13/2007	658.4		<LLD		1.28E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	8/20/2007	567.4		<LLD		1.20E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	8/28/2007	658.3		<LLD		2.71E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	9/2/2007	406.7		<LLD		2.57E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	9/10/2007	647.1		<LLD		1.50E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	9/16/2007	490.5		<LLD		2.16E-02

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Cartridge
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Iodine

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	9/24/2007	653.0		<LLD		9.91E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	10/1/2007	570.8		<LLD		2.31E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	10/8/2007	573.6		<LLD		1.73E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	10/15/2007	564.9		<LLD		2.47E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	10/22/2007	575.0		<LLD		2.15E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	10/28/2007	483.8		<LLD		2.36E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	11/5/2007	649.7		<LLD		2.04E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	11/12/2007	568.0		<LLD		1.95E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	11/19/2007	567.0		<LLD		1.15E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	11/26/2007	569.6		<LLD		2.16E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	12/3/2007	571.4		<LLD		2.82E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	12/10/2007	569.4		<LLD		1.65E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	12/15/2007	404.9		<LLD		1.59E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	12/23/2007	644.7		<LLD		2.37E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	12/31/2007	734.2		<LLD		1.97E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/2/2007	558.7		<LLD		2.32E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/9/2007	563.0		<LLD		1.85E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/16/2007	562.9		<LLD		1.27E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/22/2007	485.7		<LLD		1.99E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/29/2007	565.5		<LLD		2.46E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/5/2007	572.7		<LLD		1.92E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/12/2007	555.2		<LLD		2.27E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/18/2007	483.9		<LLD		1.57E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/26/2007	641.3		<LLD		1.10E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/5/2007	539.3		<LLD		2.71E-02

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Cartridge
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Iodine

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/12/2007	587.5		<LLD		2.07E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/18/2007	526.8		<LLD		3.30E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/26/2007	718.0		<LLD		2.22E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	4/2/2007	627.5		<LLD		2.54E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	4/9/2007	608.1		<LLD		1.62E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	4/16/2007	628.4		<LLD		1.93E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	4/24/2007	701.4		<LLD		1.42E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/1/2007	620.4		<LLD		2.75E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/7/2007	533.8		<LLD		2.53E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/14/2007	606.4		<LLD		2.47E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/21/2007	618.2		<LLD		1.97E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/29/2007	696.6		<LLD		1.06E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/4/2007	545.5		<LLD		2.34E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/11/2007	582.3		<LLD		1.71E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/18/2007	608.7		<LLD		1.52E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/25/2007	605.1		<LLD		2.39E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/3/2007	626.0		<LLD		9.92E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/9/2007	493.7		<LLD		1.83E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/16/2007	268.7		<LLD		1.39E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/23/2007	556.9		<LLD		1.71E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/28/2007	419.5		<LLD		2.53E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/5/2007	661.7		<LLD		1.00E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/13/2007	669.9		<LLD		1.35E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/20/2007	590.3		<LLD		2.91E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/28/2007	677.5		<LLD		1.69E-02

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Cartridge
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Iodine

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
6	0.2 MI SSW - NEAR INFORMATION CENTER	9/2/2007	430.3		<LLD		1.90E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	9/10/2007	676.2		<LLD		1.08E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	9/16/2007	513.2		<LLD		1.92E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	9/24/2007	683.3		<LLD		1.57E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/1/2007	599.1		<LLD		1.51E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/8/2007	599.4		<LLD		1.84E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/15/2007	598.1		<LLD		1.71E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/22/2007	602.7		<LLD		1.40E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/28/2007	512.2		<LLD		2.01E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/5/2007	692.4		<LLD		1.41E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/12/2007	605.7		<LLD		1.94E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/19/2007	603.9		<LLD		1.52E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/26/2007	604.2		<LLD		3.31E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/3/2007	605.9		<LLD		1.33E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/10/2007	604.1		<LLD		1.94E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/15/2007	431.9		<LLD		2.72E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/23/2007	687.9		<LLD		6.67E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/31/2007	683.3		<LLD		1.99E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	1/2/2007	578.8		<LLD		1.84E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	1/9/2007	561.6		<LLD		1.50E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	1/16/2007	576.6		<LLD		1.61E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	1/22/2007	481.8		<LLD		1.67E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	1/29/2007	573.4		<LLD		2.22E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	2/5/2007	572.3		<LLD		1.85E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	2/12/2007	566.2		<LLD		2.01E-02

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Cartridge
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Iodine

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	2/18/2007	488.9		<LLD		1.84E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	2/26/2007	666.1		<LLD		6.83E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	3/5/2007	570.8		<LLD		1.78E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	3/12/2007	513.0		<LLD		2.30E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	3/18/2007	432.7		<LLD		3.13E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	3/26/2007	600.0		<LLD		1.18E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	4/2/2007	520.0		<LLD		2.67E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	4/9/2007	513.7		<LLD		2.13E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	4/16/2007	578.6		<LLD		2.40E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	4/24/2007	583.7		<LLD		1.72E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	5/1/2007	524.3		<LLD		1.55E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	5/7/2007	458.3		<LLD		2.44E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	5/14/2007	515.6		<LLD		2.09E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	5/21/2007	516.9		<LLD		2.20E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	5/29/2007	595.3		<LLD		1.72E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	6/4/2007	438.6		<LLD		3.09E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	6/11/2007	534.6		<LLD		2.03E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	6/18/2007	517.4		<LLD		1.76E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	6/25/2007	517.2		<LLD		2.49E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	7/3/2007	591.5		<LLD		1.18E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	7/9/2007	446.4		<LLD		1.55E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	7/16/2007	529.2		<LLD		1.15E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	7/23/2007	514.1		<LLD		1.18E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	7/28/2007	374.1		<LLD		2.13E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	8/5/2007	595.6		<LLD		1.62E-02

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Cartridge
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Iodine

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	8/13/2007	596.2		<LLD		2.39E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	8/20/2007	520.2		<LLD		1.64E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	8/28/2007	601.2		<LLD		1.72E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	9/2/2007	375.7		<LLD		1.89E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	9/10/2007	584.5		<LLD		1.61E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	9/16/2007	444.5		<LLD		2.13E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	9/24/2007	589.3		<LLD		3.48E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	10/1/2007	517.9		<LLD		1.36E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	10/8/2007	517.9		<LLD		9.36E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	10/15/2007	509.1		<LLD		1.60E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	10/22/2007	520.9		<LLD		1.10E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	10/28/2007	435.2		<LLD		2.56E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	11/5/2007	583.9		<LLD		1.79E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	11/12/2007	506.3		<LLD		2.09E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	11/19/2007	510.9		<LLD		1.64E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	11/26/2007	505.7		<LLD		2.34E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	12/3/2007	516.1		<LLD		1.57E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	12/10/2007	503.3		<LLD		1.65E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	12/15/2007	364.9		<LLD		3.17E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	12/23/2007	569.7		<LLD		2.14E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVIL	12/31/2007	575.7		<LLD		1.80E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/2/2007	555.6		<LLD		2.62E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/9/2007	559.4		<LLD		2.44E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/16/2007	563.1		<LLD		3.41E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/22/2007	481.6		<LLD		3.15E-02

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Cartridge
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Iodine

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/29/2007	562.4		<LLD		2.88E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/5/2007	571.4		<LLD		2.62E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/12/2007	555.0		<LLD		3.54E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/18/2007	481.5		<LLD		2.57E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/26/2007	643.0		<LLD		2.49E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/5/2007	515.0		<LLD		1.97E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/12/2007	598.3		<LLD		2.46E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/18/2007	537.7		<LLD		1.63E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/26/2007	726.3		<LLD		1.43E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/2/2007	633.8		<LLD		2.55E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/9/2007	372.8		<LLD		1.98E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/16/2007	641.3		<LLD		2.28E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/24/2007	719.9		<LLD		2.14E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/1/2007	635.5		<LLD		2.10E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/14/2007	519.8		<LLD		1.38E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/21/2007	639.2		<LLD		1.02E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/29/2007	726.7		<LLD		1.31E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/4/2007	570.6		<LLD		2.76E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/11/2007	609.1		<LLD		2.26E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/18/2007	637.1		<LLD		2.39E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/25/2007	647.5		<LLD		1.67E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/3/2007	714.3		<LLD		1.87E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/9/2007	540.5		<LLD		2.49E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/16/2007	635.0		<LLD		2.41E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/23/2007	626.4		<LLD		2.30E-02

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Cartridge
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Iodine

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/28/2007	456.0		<LLD		1.54E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/5/2007	719.0		<LLD		1.03E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/13/2007	720.6		<LLD		9.45E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/20/2007	633.0		<LLD		1.45E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/28/2007	720.6		<LLD		2.30E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/2/2007	458.3		<LLD		3.55E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/10/2007	718.3		<LLD		2.10E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/16/2007	544.9		<LLD		2.95E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/24/2007	795.3		<LLD		1.14E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/1/2007	556.0		<LLD		2.07E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/8/2007	558.4		<LLD		2.14E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/15/2007	852.7		<LLD		2.27E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/22/2007	620.1		<LLD		2.14E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/28/2007	505.1		<LLD		3.12E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/5/2007	682.2		<LLD		2.29E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/12/2007	596.3		<LLD		1.73E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/19/2007	595.0		<LLD		1.79E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/26/2007	596.6		<LLD		1.59E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/3/2007	597.1		<LLD		2.68E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/10/2007	597.1		<LLD		2.59E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/15/2007	424.1		<LLD		3.93E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/23/2007	679.3		<LLD		1.40E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/31/2007	674.4		<LLD		2.59E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	1/2/2007	451.7		<LLD		2.06E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	1/9/2007	519.9		<LLD		2.32E-02

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Cartridge
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Iodine

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
60	0.2 MI SE - ROBINSON PICNIC AREA	1/16/2007	551.8		<LLD		1.51E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	1/22/2007	462.3		<LLD		2.67E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	1/29/2007	534.8		<LLD		3.37E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	2/5/2007	536.0		<LLD		2.37E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	2/12/2007	520.0		<LLD		2.58E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	2/18/2007	453.0		<LLD		2.60E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	2/26/2007	609.0		<LLD		2.76E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	3/5/2007	539.2		<LLD		3.63E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	3/12/2007	561.0		<LLD		2.37E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	3/18/2007	487.9		<LLD		2.19E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	3/26/2007	661.2		<LLD		9.37E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	4/2/2007	582.4		<LLD		2.16E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	4/9/2007	559.2		<LLD		1.61E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	4/16/2007	572.0		<LLD		1.59E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	4/24/2007	639.0		<LLD		1.76E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	5/1/2007	596.9		<LLD		1.78E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	5/7/2007	511.9		<LLD		1.83E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	5/14/2007	587.9		<LLD		2.14E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	5/21/2007	597.5		<LLD		1.23E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	5/29/2007	680.9		<LLD		1.52E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	6/4/2007	536.6		<LLD		2.65E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	6/11/2007	578.7		<LLD		2.10E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	6/18/2007	598.4		<LLD		2.26E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	6/25/2007	614.8		<LLD		1.97E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	7/3/2007	683.4		<LLD		9.82E-03

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Cartridge
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Iodine

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
60	0.2 MI SE - ROBINSON PICNIC AREA	7/9/2007	517.3		<LLD		1.47E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	7/16/2007	607.6		<LLD		1.77E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	7/23/2007	600.7		<LLD		2.36E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	7/28/2007	437.3		<LLD		2.89E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	8/5/2007	683.6		<LLD		1.97E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	8/13/2007	697.7		<LLD		2.32E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	8/20/2007	609.1		<LLD		2.58E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	8/28/2007	693.6		<LLD		2.27E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	9/2/2007	438.1		<LLD		2.51E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	9/10/2007	688.1		<LLD		1.71E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	9/16/2007	500.9		<LLD		1.63E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	9/24/2007	715.7		<LLD		1.18E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	10/1/2007	627.2		<LLD		2.29E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	10/8/2007	624.3		<LLD		1.60E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	10/15/2007	620.1		<LLD		1.49E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	10/22/2007	629.1		<LLD		1.58E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	10/28/2007	533.6		<LLD		1.68E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	11/5/2007	691.1		<LLD		1.85E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	11/12/2007	590.3		<LLD		1.52E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	11/19/2007	590.8		<LLD		1.60E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	11/26/2007	590.8		<LLD		1.08E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	12/3/2007	587.3		<LLD		2.70E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	12/10/2007	581.9		<LLD		9.08E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	12/15/2007	432.7		<LLD		2.44E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	12/23/2007	656.5		<LLD		2.77E-02

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Cartridge
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Iodine

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
60	0.2 MI SE - ROBINSON PICNIC AREA	12/31/2007	663.7		<LLD		1.55E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	1/2/2007	513.1		<LLD		1.54E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	1/9/2007	537.0		<LLD		1.58E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	1/16/2007	524.6		<LLD		3.47E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	1/22/2007	433.9		<LLD		1.66E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	1/29/2007	496.4		<LLD		1.82E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	2/5/2007	491.8		<LLD		2.50E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	2/12/2007	469.0		<LLD		2.11E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	2/18/2007	425.8		<LLD		2.91E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	2/26/2007	568.7		<LLD		1.26E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	3/5/2007	481.0		<LLD		2.88E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	3/12/2007	581.3		<LLD		1.25E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	3/18/2007	538.1		<LLD		2.43E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	3/26/2007	750.8		<LLD		1.27E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	4/2/2007	679.4		<LLD		1.67E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	4/9/2007	602.2		<LLD		1.14E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	4/16/2007	634.5		<LLD		2.27E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	4/24/2007	705.0		<LLD		1.13E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	5/1/2007	686.1		<LLD		2.34E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	5/7/2007	576.1		<LLD		1.98E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	5/14/2007	652.8		<LLD		1.67E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	5/21/2007	674.1		<LLD		1.59E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	5/29/2007	774.6		<LLD		1.11E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	6/4/2007	577.6		<LLD		3.39E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	6/11/2007	682.9		<LLD		9.61E-03

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Cartridge
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Iodine

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	6/18/2007	677.8		<LLD		1.83E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	6/25/2007	698.1		<LLD		2.64E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	7/3/2007	770.9		<LLD		1.52E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	7/9/2007	586.7		<LLD		1.23E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	7/16/2007	684.0		<LLD		1.57E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	7/23/2007	684.8		<LLD		1.44E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	7/28/2007	496.4		<LLD		1.87E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	8/5/2007	778.2		<LLD		6.54E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	8/13/2007	785.0		<LLD		1.41E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	8/20/2007	682.2		<LLD		1.84E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	8/28/2007	782.6		<LLD		9.32E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	9/2/2007	494.2		<LLD		2.30E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	9/10/2007	775.9		<LLD		1.21E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	9/16/2007	586.3		<LLD		6.72E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	9/24/2007	765.9		<LLD		1.79E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	10/1/2007	680.1		<LLD		1.51E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	10/8/2007	676.3		<LLD		1.60E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	10/15/2007	670.1		<LLD		1.86E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	10/22/2007	680.0		<LLD		8.45E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	10/28/2007	573.5		<LLD		1.53E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	11/5/2007	729.1		<LLD		1.57E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	11/12/2007	566.4		<LLD		2.23E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	11/19/2007	603.0		<LLD		1.91E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	11/26/2007	636.2		<LLD		2.81E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	12/3/2007	581.4		<LLD		1.27E-02

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Air Cartridge
Quantity: cubic meters
Concentration (Activity): pCi/cubic meter

Analysis: Iodine

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	12/10/2007	570.7		<LLD		1.91E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	12/15/2007	480.4		<LLD		2.46E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	12/23/2007	654.9		<LLD		1.72E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACK	12/31/2007	673.1		<LLD		1.81E-02

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Groundwater
Quantity: Liters
Concentration (Activity): pCi/Liter

Analysis: Tritium

Sample Point		Sample Date	Efficiency	Quantity	Activity	2 Sigma Error	LLD
42	UNIT 1 OR UNIT 2 DEEP WELL	1/16/2007	0.399	0.005	<LLD		3.30E+02
42	UNIT 1 OR UNIT 2 DEEP WELL	4/9/2007	0.401	0.005	<LLD		3.32E+02
42	UNIT 1 OR UNIT 2 DEEP WELL	7/3/2007	0.393	0.005	<LLD		3.31E+02
42	UNIT 1 OR UNIT 2 DEEP WELL	9/24/2007	0.392	0.005	<LLD		3.04E+02
42	UNIT 1 OR UNIT 2 DEEP WELL	10/23/2007	0.392	0.005	<LLD		2.96E+02
64	SC 23 @ BLACK CREEK	1/16/2007	0.398	0.005	<LLD		3.31E+02
64	SC 23 @ BLACK CREEK	4/9/2007	0.4	0.005	<LLD		3.33E+02
64	SC 23 @ BLACK CREEK	7/3/2007	0.394	0.005	<LLD		3.30E+02
64	SC 23 @ BLACK CREEK	9/24/2007	0.393	0.005	<LLD		3.03E+02
64	SC 23 @ BLACK CREEK	10/23/2007	0.391	0.005	<LLD		2.97E+02

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Surface Water
Quantity: Liters
Concentration (Activity): pCi/Liter

Analysis: Tritium

Sample Point		Sample Date	Efficiency	Quantity	Activity	2 Sigma Error	LLD
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	1/19/2007	0.401	0.005	3.82E+03	2.41E+02	3.34E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	2/19/2007	0.4	0.005	3.33E+03	2.37E+02	3.34E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	3/19/2007	0.4	0.005	4.48E+03	2.47E+02	3.33E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	4/16/2007	0.4	0.005	3.48E+03	2.36E+02	3.30E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	5/18/2007	0.394	0.005	1.53E+03	2.20E+02	3.36E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	6/18/2007	0.396	0.005	9.10E+02	2.13E+02	3.35E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	7/19/2007	0.394	0.005	1.55E+03	2.00E+02	2.98E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	8/19/2007	0.394	0.005	1.38E+03	1.95E+02	2.93E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	9/16/2007	0.392	0.005	9.15E+02	1.97E+02	3.06E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	10/18/2007	0.391	0.005	1.10E+03	1.96E+02	3.00E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	11/19/2007	0.391	0.005	9.59E+02	1.98E+02	3.07E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	12/20/2007	0.388	0.005	9.31E+02	2.01E+02	3.13E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	1/19/2007	0.401	0.005	<LLD		3.34E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	2/19/2007	0.401	0.005	<LLD		3.33E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	3/19/2007	0.401	0.005	<LLD		3.32E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	4/16/2007	0.399	0.005	<LLD		3.31E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/18/2007	0.394	0.005	<LLD		3.36E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	6/18/2007	0.393	0.005	<LLD		3.38E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	7/19/2007	0.395	0.005	<LLD		2.97E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	8/19/2007	0.392	0.005	<LLD		3.06E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	9/16/2007	0.391	0.005	<LLD		3.07E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	10/18/2007	0.392	0.005	<LLD		2.99E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	11/19/2007	0.392	0.005	<LLD		3.06E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	12/20/2007	0.391	0.005	<LLD		3.11E+02

RNP Radiological Environmental Monitoring Analysis Report

Media Type: Surface Water
Quantity: Liters
Concentration (Activity): pCi/Liter

Analysis: Tritium

Sample Point		Sample Date	Efficiency	Quantity	Activity	2 Sigma Error	LLD
57	ASH POND	1/19/2007	0.401	0.005	3.48E+03	2.38E+02	3.34E+02
57	ASH POND	2/19/2007	0.401	0.005	2.72E+03	2.30E+02	3.33E+02
57	ASH POND	3/19/2007	0.402	0.005	2.48E+03	2.27E+02	3.31E+02
57	ASH POND	4/16/2007	0.399	0.005	3.39E+03	2.36E+02	3.31E+02
57	ASH POND	5/18/2007	0.391	0.005	1.86E+03	2.25E+02	3.38E+02
57	ASH POND	6/18/2007	0.395	0.005	<LLD		3.36E+02
57	ASH POND	7/19/2007	0.395	0.005	9.49E+02	1.92E+02	2.97E+02
57	ASH POND	8/19/2007	0.392	0.005	1.22E+03	1.94E+02	2.94E+02
57	ASH POND	9/16/2007	0.392	0.005	1.13E+03	1.99E+02	3.06E+02
57	ASH POND	10/18/2007	0.391	0.005	1.08E+03	1.95E+02	3.00E+02
57	ASH POND	11/19/2007	0.391	0.005	8.73E+02	1.97E+02	3.07E+02
57	ASH POND	12/20/2007	0.39	0.005	7.90E+02	1.98E+02	3.11E+02
66	Black Creek between Prestwood Lake discharge and upstre	8/19/2007	0.391	0.005	7.14E+02	1.95E+02	3.07E+02
66	Black Creek between Prestwood Lake discharge and upstre	9/16/2007	0.393	0.005	5.91E+02	1.92E+02	3.05E+02
66	Black Creek between Prestwood Lake discharge and upstre	10/18/2007	0.391	0.005	6.54E+02	1.90E+02	3.00E+02
66	Black Creek between Prestwood Lake discharge and upstre	11/19/2007	0.391	0.005	8.32E+02	1.97E+02	3.07E+02
66	Black Creek between Prestwood Lake discharge and upstre	12/20/2007	0.389	0.005	7.23E+02	1.98E+02	3.12E+02

2007 HBRSEP (RNP)

Radiological Environmental Monitoring
Gamma Isotopic Report

Comments

- The Less than LLD (<LLD) represents that no activity was present, but lists the LLD values.
- There are no 2 sigma error values reported when activity is <LLD.
- NO-ACT refers to no detectable gamma activity being present in the samples. Refer to Table 6 for typical gamma Lower Limits of Detection for specific nuclides.

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Air Particulate
Quantity: CUBIC METERS
Activity: pCi/cubic meter

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
1	24.4 MI ESE - FLORENCE - CONTROL	2/12/2007	7652.2	BE-7	1.55E-01	2.45E-02	
1	24.4 MI ESE - FLORENCE - CONTROL	2/12/2007	7652.2	TL-208	1.16E-03	9.73E-04	
1	24.4 MI ESE - FLORENCE - CONTROL	2/12/2007	7652.2	PB-212	3.08E-03	1.28E-03	
1	24.4 MI ESE - FLORENCE - CONTROL	5/14/2007	7963.7	BI-214	3.55E-03	1.55E-03	
1	24.4 MI ESE - FLORENCE - CONTROL	5/14/2007	7963.7	BE-7	1.40E-01	1.97E-02	
1	24.4 MI ESE - FLORENCE - CONTROL	8/13/2007	8239.7	BI-214	9.92E-04	7.49E-04	
1	24.4 MI ESE - FLORENCE - CONTROL	8/13/2007	8239.7	PB-214	1.49E-03	9.79E-04	
1	24.4 MI ESE - FLORENCE - CONTROL	8/13/2007	8239.7	BE-7	1.18E-01	1.65E-02	
1	24.4 MI ESE - FLORENCE - CONTROL	11/15/2007	9522.3	BE-7	1.22E-01	1.66E-02	
2	0.2 MI S - INFORMATION CENTER	2/12/2007	7612.9	PB-212	2.55E-03	1.63E-03	
2	0.2 MI S - INFORMATION CENTER	2/12/2007	7612.9	BI-214	3.53E-02	4.45E-03	
2	0.2 MI S - INFORMATION CENTER	2/12/2007	7612.9	PB-214	3.62E-02	4.11E-03	
2	0.2 MI S - INFORMATION CENTER	2/12/2007	7612.9	K-40	1.73E-02	1.58E-02	
2	0.2 MI S - INFORMATION CENTER	2/12/2007	7612.9	BE-7	1.54E-01	2.76E-02	
2	0.2 MI S - INFORMATION CENTER	5/14/2007	7833	BE-7	1.51E-01	2.00E-02	
2	0.2 MI S - INFORMATION CENTER	5/14/2007	7833	PB-214	2.70E-03	1.13E-03	
2	0.2 MI S - INFORMATION CENTER	8/13/2007	7698	BE-7	1.15E-01	2.11E-02	
2	0.2 MI S - INFORMATION CENTER	11/15/2007	7966.6	K-40	2.11E-02	9.61E-03	
2	0.2 MI S - INFORMATION CENTER	11/15/2007	7966.6	BE-7	1.17E-01	1.59E-02	
3	0.5 MI N - MICROWAVE TOWER	2/12/2007	7204.5	BE-7	1.11E-01	2.39E-02	
3	0.5 MI N - MICROWAVE TOWER	2/12/2007	7204.5	BI-214	1.36E-03	1.22E-03	
3	0.5 MI N - MICROWAVE TOWER	5/14/2007	7606.4	BE-7	1.53E-01	2.00E-02	
3	0.5 MI N - MICROWAVE TOWER	8/13/2007	7739	BE-7	1.38E-01	1.93E-02	
3	0.5 MI N - MICROWAVE TOWER	11/15/2007	8604.5	BE-7	1.24E-01	1.72E-02	
3	0.5 MI N - MICROWAVE TOWER	11/15/2007	8604.5	RA-226	9.75E-03	7.00E-03	
3	0.5 MI N - MICROWAVE TOWER	11/15/2007	8604.5	PB-214	1.25E-03	9.16E-04	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Air Particulate
Quantity: CUBIC METERS
Activity: pCi/cubic meter

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
3	0.5 MI N - MICROWAVE TOWER	11/15/2007	8604.5	BI-214	1.29E-03	9.96E-04	
4	0.4 MI ESE - SPILLWAY	2/12/2007	6813.5	BE-7	1.29E-01	2.09E-02	
4	0.4 MI ESE - SPILLWAY	2/12/2007	6813.5	K-40	2.14E-02	8.94E-03	
4	0.4 MI ESE - SPILLWAY	2/12/2007	6813.5	PB-212	1.34E-03	7.51E-04	
4	0.4 MI ESE - SPILLWAY	2/12/2007	6813.5	BI-214	2.74E-03	1.75E-03	
4	0.4 MI ESE - SPILLWAY	2/12/2007	6813.5	PB-214	3.94E-03	1.25E-03	
4	0.4 MI ESE - SPILLWAY	5/14/2007	7603.4	BE-7	1.46E-01	2.30E-02	
4	0.4 MI ESE - SPILLWAY	5/14/2007	7603.4	TL-208	8.99E-04	5.33E-04	
4	0.4 MI ESE - SPILLWAY	8/13/2007	7988.2	BE-7	1.18E-01	2.66E-02	
4	0.4 MI ESE - SPILLWAY	11/15/2007	8326.5	BE-7	1.37E-01	2.10E-02	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	2/12/2007	8372.6	PB-214	3.65E-03	1.23E-03	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	2/12/2007	8372.6	BI-214	1.71E-03	9.24E-04	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	2/12/2007	8372.6	BE-7	1.25E-01	1.86E-02	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	2/12/2007	8372.6	K-40	8.48E-03	7.39E-03	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	5/14/2007	7488.2	BE-7	1.77E-01	2.35E-02	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	8/13/2007	7432.1	BE-7	1.39E-01	2.39E-02	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	11/15/2007	8047	BI-214	9.51E-03	1.94E-03	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	11/15/2007	8047	PB-214	1.10E-02	1.71E-03	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	11/15/2007	8047	PB-212	8.66E-04	8.24E-04	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	11/15/2007	8047	BE-7	1.34E-01	1.78E-02	
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/12/2007	7360.5	BE-7	1.17E-01	2.22E-02	
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/14/2007	7982.4	BI-214	1.62E-03	9.68E-04	
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/14/2007	7982.4	K-40	1.48E-02	8.80E-03	
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/14/2007	7982.4	BE-7	1.66E-01	2.08E-02	
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/14/2007	7982.4	PB-214	1.03E-03	8.45E-04	
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/13/2007	7267.2	RA-226	1.00E-02	8.83E-03	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Air Particulate
Quantity: CUBIC METERS
Activity: pCi/cubic meter

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/13/2007	7267.2	BE-7	1.46E-01	2.16E-02	
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/13/2007	7267.2	PB-214	1.82E-03	8.89E-04	
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/15/2007	8430.8	BE-7	1.25E-01	2.40E-02	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/12/2007	7182.2	PB-214	1.51E-03	1.45E-03	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/12/2007	7182.2	BE-7	1.19E-01	2.81E-02	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/14/2007	6814.2	BE-7	1.75E-01	2.15E-02	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/14/2007	6814.2	K-40	9.29E-03	8.72E-03	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/14/2007	6814.2	PB-212	1.01E-03	6.13E-04	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/14/2007	6814.2	BI-214	1.77E-03	1.65E-03	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	8/13/2007	6762.5	BE-7	1.63E-01	2.08E-02	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/15/2007	7137.5	BE-7	1.38E-01	2.40E-02	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/15/2007	7137.5	BI-214	9.28E-03	1.97E-03	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/15/2007	7137.5	PB-214	8.79E-03	2.15E-03	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/12/2007	7350.3	BE-7	1.30E-01	2.01E-02	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/12/2007	7350.3	K-40	2.42E-02	9.14E-03	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/12/2007	7350.3	PB-214	1.79E-03	1.13E-03	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/12/2007	7350.3	PB-212	1.15E-03	9.35E-04	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/14/2007	7512.6	BE-7	1.56E-01	2.50E-02	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/14/2007	7512.6	BI-214	1.93E-03	1.61E-03	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/13/2007	8282.2	BE-7	1.05E-01	2.36E-02	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/15/2007	8534.4	BE-7	1.02E-01	1.53E-02	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/15/2007	8534.4	PB-214	1.32E-03	7.90E-04	
60	0.2 MI SE - ROBINSON PICNIC AREA	2/12/2007	6887.8	PB-214	4.13E-03	1.65E-03	
60	0.2 MI SE - ROBINSON PICNIC AREA	2/12/2007	6887.8	BE-7	1.51E-01	2.18E-02	
60	0.2 MI SE - ROBINSON PICNIC AREA	2/12/2007	6887.8	PB-212	1.03E-03	6.93E-04	
60	0.2 MI SE - ROBINSON PICNIC AREA	2/12/2007	6887.8	BI-214	4.92E-03	1.37E-03	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Air Particulate
Quantity: CUBIC METERS
Activity: pCi/cubic meter

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
60	0.2 MI SE - ROBINSON PICNIC AREA	5/14/2007	7656.2	BE-7	1.63E-01	2.08E-02	
60	0.2 MI SE - ROBINSON PICNIC AREA	5/14/2007	7656.2	BI-214	1.04E-03	8.45E-04	
60	0.2 MI SE - ROBINSON PICNIC AREA	8/13/2007	7873.1	BE-7	1.33E-01	2.20E-02	
60	0.2 MI SE - ROBINSON PICNIC AREA	11/15/2007	8419.4	BE-7	1.32E-01	1.83E-02	
60	0.2 MI SE - ROBINSON PICNIC AREA	11/15/2007	8419.4	PB-214	9.09E-04	7.23E-04	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	2/12/2007	6811.5	PB-214	1.73E-03	1.05E-03	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	2/12/2007	6811.5	BE-7	1.18E-01	2.49E-02	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/14/2007	8621.2	BE-7	1.27E-01	2.53E-02	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	8/13/2007	8873.1	BE-7	9.44E-02	1.45E-02	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	11/15/2007	8775.2	BE-7	7.83E-02	2.03E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Aquatic Vegetation
Quantity: Grams (wet)
Activity: pCi/gram wet

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/21/2007	734	K-40	1.25E+00	2.38E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/21/2007	734	TL-208	1.77E-02	1.02E-02	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/21/2007	734	PB-212	4.67E-02	2.10E-02	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/21/2007	734	PB-214	3.14E-02	2.35E-02	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/21/2007	734	AC-228	1.22E-01	4.14E-02	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/21/2007	734	BE-7	1.75E-01	1.01E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/22/2007	663.2	K-40	2.22E+00	3.80E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/22/2007	663.2	CO-58	1.70E-01	2.92E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/22/2007	663.2	AC-228	1.83E-01	7.06E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/22/2007	663.2	RA-226	3.97E-01	2.93E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/22/2007	663.2	PB-214	6.90E-02	3.89E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/22/2007	663.2	BI-214	7.90E-02	3.93E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/22/2007	663.2	TL-208	6.06E-02	2.31E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/22/2007	663.2	BE-7	1.38E+00	2.22E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/22/2007	663.2	PB-212	1.03E-01	2.90E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	826.4	BI-212	1.14E-01	1.07E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	826.4	BE-7	6.16E-01	1.26E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	826.4	PB-212	1.78E-01	2.13E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	826.4	BI-214	1.24E-01	3.67E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	826.4	PB-214	1.06E-01	3.15E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	826.4	RA-226	7.84E-01	2.98E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	826.4	AC-228	4.10E-01	6.22E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	826.4	CO-58	2.22E-02	1.15E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	826.4	TL-208	6.27E-02	1.57E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	826.4	K-40	6.39E-01	1.64E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/23/2007	790.5	BE-7	4.44E-01	1.77E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Aquatic Vegetation
Quantity: Grams (wet)
Activity: pCi/gram wet

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
54	10.1 MI E - AUBURNDALE PLANTATION	5/23/2007	790.5	AC-228	1.53E+00	1.24E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/23/2007	790.5	RA-226	3.17E+00	5.69E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/23/2007	790.5	PB-214	8.98E-02	5.11E-02	
54	10.1 MI E - AUBURNDALE PLANTATION	5/23/2007	790.5	BI-214	1.03E-01	4.73E-02	
54	10.1 MI E - AUBURNDALE PLANTATION	5/23/2007	790.5	PB-212	5.50E-01	3.75E-02	
54	10.1 MI E - AUBURNDALE PLANTATION	5/23/2007	790.5	BI-212	2.35E-01	1.82E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/23/2007	790.5	K-40	1.07E+00	3.43E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/23/2007	790.5	CO-58	3.48E-02	2.00E-02	
54	10.1 MI E - AUBURNDALE PLANTATION	5/23/2007	790.5	TL-208	2.08E-01	3.30E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Bottom Sediment
Quantity: Grams (dry)
Activity: pCi/gram dry

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/21/2007	766.5	BI-214	1.46E+00	1.41E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/21/2007	766.5	K-40	2.05E+00	5.67E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/21/2007	766.5	CS-137	8.96E-02	4.61E-02	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/21/2007	766.5	AC-228	1.72E+00	2.39E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/21/2007	766.5	PB-214	1.52E+00	1.43E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/21/2007	766.5	PB-212	1.92E+00	1.07E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/21/2007	766.5	BI-212	1.39E+00	4.44E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/21/2007	766.5	TL-208	5.73E-01	6.89E-02	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/21/2007	766.5	RA-226	2.75E+00	1.07E+00	
45	SITE VARIES WITHIN LAKE ROBINSON	5/22/2007	584.2	AC-228	1.28E+00	2.65E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/22/2007	584.2	CO-60	1.13E-01	5.44E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/22/2007	584.2	CS-137	6.86E-01	8.48E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/22/2007	584.2	TL-208	5.82E-01	7.23E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/22/2007	584.2	RA-226	5.43E+00	1.25E+00	
45	SITE VARIES WITHIN LAKE ROBINSON	5/22/2007	584.2	PB-214	2.47E+00	1.74E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/22/2007	584.2	BI-214	2.48E+00	1.76E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/22/2007	584.2	PB-212	1.69E+00	1.08E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/22/2007	584.2	BI-212	1.28E+00	4.56E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/22/2007	584.2	K-40	4.39E+00	7.43E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	256.9	BI-212	1.05E+00	5.37E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	256.9	CS-137	4.61E-01	9.59E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	256.9	TL-208	6.74E-01	1.19E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	256.9	CO-60	1.09E-01	8.86E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	256.9	AC-228	1.41E+00	3.43E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	256.9	RA-226	6.62E+00	1.75E+00	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	256.9	PB-214	2.02E+00	2.53E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Bottom Sediment
Quantity: Grams (dry)
Activity: pCi/gram dry

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	256.9	BI-214	1.78E+00	2.53E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	256.9	PB-212	1.69E+00	1.59E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	256.9	K-40	2.57E+00	9.82E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/23/2007	1092.2	K-40	1.42E+00	4.17E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/23/2007	1092.2	TL-208	7.41E-01	5.85E-02	
54	10.1 MI E - AUBURNDALE PLANTATION	5/23/2007	1092.2	BI-212	1.39E+00	2.83E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/23/2007	1092.2	PB-212	2.12E+00	8.40E-02	
54	10.1 MI E - AUBURNDALE PLANTATION	5/23/2007	1092.2	BI-214	1.77E+00	1.17E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/23/2007	1092.2	PB-214	1.82E+00	1.19E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/23/2007	1092.2	RA-226	3.90E+00	8.45E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/23/2007	1092.2	AC-228	2.40E+00	2.05E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/23/2007	1092.2	TH-234	2.89E+00	1.68E+00	
54	10.1 MI E - AUBURNDALE PLANTATION	5/23/2007	1092.2	CS-137	4.04E-02	2.30E-02	
54	10.1 MI E - AUBURNDALE PLANTATION	5/23/2007	1092.2	BE-7	6.03E-01	2.92E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: CHERRY

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
50	SSE - CLOSE TO SITE BOUNDARY	5/16/2007	426.7	BE-7	3.17E-01	1.83E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/16/2007	426.7	CS-134	<LLD		2.51E-02
50	SSE - CLOSE TO SITE BOUNDARY	5/16/2007	426.7	CS-137	<LLD		2.15E-02
50	SSE - CLOSE TO SITE BOUNDARY	5/16/2007	426.7	I-131	<LLD		2.47E-02
50	SSE - CLOSE TO SITE BOUNDARY	5/16/2007	426.7	K-40	2.89E+00	4.84E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/16/2007	426.7	PB-214	3.32E-02	3.26E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/13/2007	508.3	BE-7	7.64E-01	1.89E-01	
50	SSE - CLOSE TO SITE BOUNDARY	6/13/2007	508.3	CS-134	<LLD		1.94E-02
50	SSE - CLOSE TO SITE BOUNDARY	6/13/2007	508.3	CS-137	3.06E-02	2.23E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/13/2007	508.3	I-131	<LLD		2.66E-02
50	SSE - CLOSE TO SITE BOUNDARY	6/13/2007	508.3	K-40	2.18E+00	4.13E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2007	441.8	BE-7	6.77E-01	2.30E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2007	441.8	CS-134	<LLD		2.68E-02
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2007	441.8	CS-137	<LLD		2.70E-02
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2007	441.8	I-131	<LLD		2.27E-02
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2007	441.8	K-40	3.74E+00	5.09E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: CHERRY

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
50	SSE - CLOSE TO SITE BOUNDARY	8/17/2007	509.2	BE-7	3.84E-01	1.38E-01	
50	SSE - CLOSE TO SITE BOUNDARY	8/17/2007	509.2	CS-134	<LLD		1.89E-02
50	SSE - CLOSE TO SITE BOUNDARY	8/17/2007	509.2	CS-137	1.57E-02	1.49E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/17/2007	509.2	I-131	<LLD		1.96E-02
50	SSE - CLOSE TO SITE BOUNDARY	8/17/2007	509.2	K-40	3.58E+00	4.13E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2007	462.3	AC-228	8.15E-02	7.52E-02	
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2007	462.3	BE-7	3.49E-01	1.37E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2007	462.3	BI-214	6.01E-02	3.97E-02	
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2007	462.3	CS-134	<LLD		2.12E-02
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2007	462.3	CS-137	<LLD		2.32E-02
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2007	462.3	I-131	<LLD		2.17E-02
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2007	462.3	K-40	2.36E+00	4.20E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2007	462.3	PB-214	4.27E-02	4.01E-02	
51	SSW - CLOSE TO SITE BOUNDARY	5/16/2007	499.1	CS-134	<LLD		2.98E-02
51	SSW - CLOSE TO SITE BOUNDARY	5/16/2007	499.1	CS-137	<LLD		2.52E-02
51	SSW - CLOSE TO SITE BOUNDARY	5/16/2007	499.1	I-131	<LLD		3.47E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: CHERRY

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
51	SSW - CLOSE TO SITE BOUNDARY	5/16/2007	499.1	K-40	5.21E+00	6.05E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/13/2007	498.1	AC-228	1.61E-01	5.96E-02	
51	SSW - CLOSE TO SITE BOUNDARY	6/13/2007	498.1	BE-7	2.89E-01	1.67E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/13/2007	498.1	CS-134	<LLD		1.93E-02
51	SSW - CLOSE TO SITE BOUNDARY	6/13/2007	498.1	CS-137	<LLD		1.98E-02
51	SSW - CLOSE TO SITE BOUNDARY	6/13/2007	498.1	I-131	<LLD		2.46E-02
51	SSW - CLOSE TO SITE BOUNDARY	6/13/2007	498.1	K-40	5.22E+00	4.91E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/13/2007	498.1	PB-212	2.96E-02	2.17E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2007	466.8	AC-228	1.59E-01	9.96E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2007	466.8	BE-7	3.57E-01	1.82E-01	
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2007	466.8	CS-134	<LLD		2.99E-02
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2007	466.8	CS-137	<LLD		2.80E-02
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2007	466.8	I-131	<LLD		2.45E-02
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2007	466.8	K-40	6.81E+00	6.13E-01	
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2007	466.8	PB-212	5.12E-02	3.59E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2007	466.8	TL-208	2.73E-02	2.03E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: CHERRY

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
51	SSW - CLOSE TO SITE BOUNDARY	8/17/2007	424.5	AC-228	2.14E-01	8.69E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/17/2007	424.5	BE-7	3.77E-01	1.67E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/17/2007	424.5	BI-214	7.19E-02	4.28E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/17/2007	424.5	CS-134	<LLD		2.31E-02
51	SSW - CLOSE TO SITE BOUNDARY	8/17/2007	424.5	CS-137	<LLD		2.38E-02
51	SSW - CLOSE TO SITE BOUNDARY	8/17/2007	424.5	I-131	<LLD		2.34E-02
51	SSW - CLOSE TO SITE BOUNDARY	8/17/2007	424.5	K-40	5.17E+00	5.39E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/17/2007	424.5	PB-212	6.97E-02	3.18E-02	
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2007	470.9	BE-7	3.99E-01	1.95E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2007	470.9	CS-134	<LLD		2.49E-02
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2007	470.9	CS-137	<LLD		2.71E-02
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2007	470.9	I-131	<LLD		2.79E-02
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2007	470.9	K-40	2.04E+00	4.80E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2007	470.9	PB-214	4.85E-02	4.67E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	5/16/2007	469.5	BE-7	3.60E-01	1.95E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/16/2007	469.5	CS-134	<LLD		2.66E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: CHERRY

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
52	10 MI W - NEAR BETHUNE - CONTROL	5/16/2007	469.5	CS-137	<LLD		2.89E-02
52	10 MI W - NEAR BETHUNE - CONTROL	5/16/2007	469.5	I-131	<LLD		3.14E-02
52	10 MI W - NEAR BETHUNE - CONTROL	5/16/2007	469.5	K-40	4.70E+00	6.28E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	6/13/2007	559.6	BE-7	4.73E-01	1.63E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	6/13/2007	559.6	CS-134	<LLD		2.00E-02
52	10 MI W - NEAR BETHUNE - CONTROL	6/13/2007	559.6	CS-137	<LLD		2.11E-02
52	10 MI W - NEAR BETHUNE - CONTROL	6/13/2007	559.6	I-131	<LLD		3.23E-02
52	10 MI W - NEAR BETHUNE - CONTROL	6/13/2007	559.6	K-40	2.38E+00	4.97E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	6/13/2007	559.6	RA-226	5.31E-01	5.20E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/11/2007	476.9	AC-228	1.26E-01	9.64E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	7/11/2007	476.9	BE-7	5.67E-01	2.09E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/11/2007	476.9	CS-134	<LLD		2.83E-02
52	10 MI W - NEAR BETHUNE - CONTROL	7/11/2007	476.9	CS-137	<LLD		2.77E-02
52	10 MI W - NEAR BETHUNE - CONTROL	7/11/2007	476.9	I-131	<LLD		2.29E-02
52	10 MI W - NEAR BETHUNE - CONTROL	7/11/2007	476.9	K-40	4.87E+00	6.37E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/11/2007	476.9	PB-212	3.83E-02	3.11E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: CHERRY

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
52	10 MI W - NEAR BETHUNE - CONTROL	8/17/2007	440.9	BE-7	6.11E-01	2.10E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/17/2007	440.9	CS-134	<LLD		2.51E-02
52	10 MI W - NEAR BETHUNE - CONTROL	8/17/2007	440.9	CS-137	<LLD		3.05E-02
52	10 MI W - NEAR BETHUNE - CONTROL	8/17/2007	440.9	I-131	<LLD		3.24E-02
52	10 MI W - NEAR BETHUNE - CONTROL	8/17/2007	440.9	K-40	3.13E+00	5.43E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/17/2007	440.9	TL-208	2.64E-02	2.32E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2007	540.5	AC-228	7.96E-02	6.03E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2007	540.5	BE-7	6.82E-01	2.36E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2007	540.5	BI-214	5.06E-02	4.56E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2007	540.5	CS-134	<LLD		2.57E-02
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2007	540.5	CS-137	<LLD		2.85E-02
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2007	540.5	I-131	<LLD		2.37E-02
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2007	540.5	K-40	6.63E+00	6.11E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	5/16/2007	525.7	BE-7	3.85E-01	1.65E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	5/16/2007	525.7	CS-134	<LLD		2.18E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	5/16/2007	525.7	CS-137	<LLD		2.44E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: CHERRY

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	5/16/2007	525.7	I-131	<LLD		2.62E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	5/16/2007	525.7	K-40	2.33E+00	4.74E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	6/13/2007	496.6	BE-7	7.54E-01	2.37E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	6/13/2007	496.6	CS-134	<LLD		2.09E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	6/13/2007	496.6	CS-137	2.97E-02	1.83E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	6/13/2007	496.6	I-131	<LLD		3.06E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	6/13/2007	496.6	K-40	2.45E+00	5.04E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	6/13/2007	496.6	PB-212	3.55E-02	3.00E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	6/13/2007	496.6	PB-214	4.13E-02	3.70E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	7/11/2007	499.1	AC-228	1.29E-01	1.11E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	7/11/2007	499.1	BE-7	2.60E-01	1.38E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	7/11/2007	499.1	CS-134	<LLD		2.24E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	7/11/2007	499.1	CS-137	<LLD		2.07E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	7/11/2007	499.1	I-131	<LLD		1.59E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	7/11/2007	499.1	K-40	3.33E+00	4.12E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	7/11/2007	499.1	PB-212	3.65E-02	2.81E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: CHERRY

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	8/17/2007	474.4	BE-7	2.61E-01	1.82E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	8/17/2007	474.4	CS-134	<LLD		2.29E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	8/17/2007	474.4	CS-137	4.66E-02	2.10E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	8/17/2007	474.4	I-131	<LLD		2.56E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	8/17/2007	474.4	K-40	4.30E+00	4.85E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	9/14/2007	398.3	BE-7	3.35E-01	2.37E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	9/14/2007	398.3	CS-134	<LLD		3.55E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	9/14/2007	398.3	CS-137	4.61E-02	2.41E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	9/14/2007	398.3	I-131	<LLD		3.44E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	9/14/2007	398.3	K-40	4.43E+00	7.35E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: SASSAFRAS

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
50	SSE - CLOSE TO SITE BOUNDARY	5/16/2007	442.3	BE-7	4.94E-01	1.95E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/16/2007	442.3	CS-134	<LLD		1.99E-02
50	SSE - CLOSE TO SITE BOUNDARY	5/16/2007	442.3	CS-137	6.22E-02	2.40E-02	
50	SSE - CLOSE TO SITE BOUNDARY	5/16/2007	442.3	I-131	<LLD		2.82E-02
50	SSE - CLOSE TO SITE BOUNDARY	5/16/2007	442.3	K-40	2.48E+00	5.20E-01	
50	SSE - CLOSE TO SITE BOUNDARY	6/13/2007	480.9	BE-7	9.98E-01	2.06E-01	
50	SSE - CLOSE TO SITE BOUNDARY	6/13/2007	480.9	CS-134	<LLD		1.63E-02
50	SSE - CLOSE TO SITE BOUNDARY	6/13/2007	480.9	CS-137	3.30E-02	1.76E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/13/2007	480.9	I-131	<LLD		2.07E-02
50	SSE - CLOSE TO SITE BOUNDARY	6/13/2007	480.9	K-40	2.97E+00	3.86E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2007	438.1	BE-7	6.92E-01	1.71E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2007	438.1	CS-134	<LLD		1.84E-02
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2007	438.1	CS-137	5.66E-02	2.34E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2007	438.1	I-131	<LLD		2.51E-02
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2007	438.1	K-40	2.29E+00	3.48E-01	
50	SSE - CLOSE TO SITE BOUNDARY	8/17/2007	480.6	BE-7	3.42E-01	1.78E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: SASSAFRAS

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
50	SSE - CLOSE TO SITE BOUNDARY	8/17/2007	480.6	CS-134	<LLD		2.49E-02
50	SSE - CLOSE TO SITE BOUNDARY	8/17/2007	480.6	CS-137	<LLD		2.67E-02
50	SSE - CLOSE TO SITE BOUNDARY	8/17/2007	480.6	I-131	<LLD		2.60E-02
50	SSE - CLOSE TO SITE BOUNDARY	8/17/2007	480.6	K-40	2.55E+00	4.65E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2007	495	BE-7	6.03E-01	1.69E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2007	495	BI-214	6.39E-02	3.05E-02	
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2007	495	CS-134	<LLD		1.73E-02
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2007	495	CS-137	2.04E-02	1.51E-02	
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2007	495	I-131	<LLD		1.60E-02
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2007	495	K-40	2.67E+00	3.65E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2007	495	PB-214	5.01E-02	4.05E-02	
51	SSW - CLOSE TO SITE BOUNDARY	5/16/2007	430.2	BE-7	4.85E-01	2.09E-01	
51	SSW - CLOSE TO SITE BOUNDARY	5/16/2007	430.2	CS-134	<LLD		3.14E-02
51	SSW - CLOSE TO SITE BOUNDARY	5/16/2007	430.2	CS-137	<LLD		3.44E-02
51	SSW - CLOSE TO SITE BOUNDARY	5/16/2007	430.2	I-131	<LLD		3.32E-02
51	SSW - CLOSE TO SITE BOUNDARY	5/16/2007	430.2	K-40	3.64E+00	5.61E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: SASSAFRAS

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
51	SSW - CLOSE TO SITE BOUNDARY	6/13/2007	469.3	BE-7	5.24E-01	1.87E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/13/2007	469.3	CS-134	<LLD		2.60E-02
51	SSW - CLOSE TO SITE BOUNDARY	6/13/2007	469.3	CS-137	<LLD		2.70E-02
51	SSW - CLOSE TO SITE BOUNDARY	6/13/2007	469.3	I-131	<LLD		2.98E-02
51	SSW - CLOSE TO SITE BOUNDARY	6/13/2007	469.3	K-40	2.62E+00	4.73E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/13/2007	469.3	PB-212	2.86E-02	2.73E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2007	460.4	BE-7	5.49E-01	1.60E-01	
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2007	460.4	CS-134	<LLD		1.88E-02
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2007	460.4	CS-137	<LLD		2.01E-02
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2007	460.4	I-131	<LLD		1.75E-02
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2007	460.4	K-40	3.17E+00	4.48E-01	
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2007	460.4	PB-212	4.59E-02	2.62E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/17/2007	382.6	BE-7	7.30E-01	2.41E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/17/2007	382.6	CS-134	<LLD		3.60E-02
51	SSW - CLOSE TO SITE BOUNDARY	8/17/2007	382.6	CS-137	<LLD		3.33E-02
51	SSW - CLOSE TO SITE BOUNDARY	8/17/2007	382.6	I-131	<LLD		3.68E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: SASSAFRAS

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
51	SSW - CLOSE TO SITE BOUNDARY	8/17/2007	382.6	K-40	2.78E+00	5.75E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/17/2007	382.6	TL-208	2.40E-02	2.05E-02	
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2007	470.2	AC-228	2.14E-01	7.13E-02	
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2007	470.2	BE-7	7.58E-01	1.64E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2007	470.2	CS-134	<LLD		2.42E-02
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2007	470.2	CS-137	8.04E-02	2.37E-02	
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2007	470.2	I-131	<LLD		1.86E-02
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2007	470.2	K-40	1.71E+00	3.65E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/16/2007	490.4	BE-7	3.21E-01	1.38E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/16/2007	490.4	CS-134	<LLD		2.17E-02
52	10 MI W - NEAR BETHUNE - CONTROL	5/16/2007	490.4	CS-137	4.20E-02	1.94E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	5/16/2007	490.4	I-131	<LLD		2.74E-02
52	10 MI W - NEAR BETHUNE - CONTROL	5/16/2007	490.4	K-40	3.40E+00	4.49E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	6/13/2007	534.2	BE-7	1.24E+00	2.12E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	6/13/2007	534.2	CS-134	<LLD		2.54E-02
52	10 MI W - NEAR BETHUNE - CONTROL	6/13/2007	534.2	CS-137	2.84E-02	2.08E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: SASSAFRAS

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
52	10 MI W - NEAR BETHUNE - CONTROL	6/13/2007	534.2	I-131	<LLD		2.70E-02
52	10 MI W - NEAR BETHUNE - CONTROL	6/13/2007	534.2	K-40	2.73E+00	4.37E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/11/2007	497.6	BE-7	9.48E-01	1.82E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/11/2007	497.6	CS-134	<LLD		1.74E-02
52	10 MI W - NEAR BETHUNE - CONTROL	7/11/2007	497.6	CS-137	<LLD		1.98E-02
52	10 MI W - NEAR BETHUNE - CONTROL	7/11/2007	497.6	I-131	<LLD		1.40E-02
52	10 MI W - NEAR BETHUNE - CONTROL	7/11/2007	497.6	K-40	3.27E+00	4.41E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/11/2007	497.6	PB-212	5.28E-02	2.81E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	8/17/2007	396.4	BE-7	1.08E+00	2.06E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/17/2007	396.4	CS-134	<LLD		2.12E-02
52	10 MI W - NEAR BETHUNE - CONTROL	8/17/2007	396.4	CS-137	4.09E-02	1.99E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	8/17/2007	396.4	I-131	<LLD		2.68E-02
52	10 MI W - NEAR BETHUNE - CONTROL	8/17/2007	396.4	K-40	9.34E-01	3.24E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/17/2007	396.4	PB-214	3.99E-02	3.59E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2007	436.7	BE-7	8.46E-01	2.58E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2007	436.7	CS-134	<LLD		2.81E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: SASSAFRAS

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2007	436.7	CS-137	<LLD		3.46E-02
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2007	436.7	I-131	<LLD		3.37E-02
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2007	436.7	K-40	1.36E+00	6.19E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	5/16/2007	490.2	BE-7	3.91E-01	1.42E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	5/16/2007	490.2	CS-134	<LLD		1.69E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	5/16/2007	490.2	CS-137	2.04E-02	1.47E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	5/16/2007	490.2	I-131	<LLD		2.56E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	5/16/2007	490.2	K-40	3.10E+00	3.89E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	6/13/2007	448.6	BE-7	5.45E-01	1.55E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	6/13/2007	448.6	CS-134	<LLD		2.42E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	6/13/2007	448.6	CS-137	1.32E-01	2.63E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	6/13/2007	448.6	I-131	<LLD		2.27E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	6/13/2007	448.6	K-40	2.44E+00	3.60E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	6/13/2007	448.6	RA-226	3.58E-01	3.47E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	7/11/2007	427.4	BE-7	9.66E-01	1.87E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	7/11/2007	427.4	CS-134	<LLD		2.18E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: SASSAFRAS

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	7/11/2007	427.4	CS-137	2.09E-02	1.47E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	7/11/2007	427.4	I-131	<LLD		2.25E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	7/11/2007	427.4	K-40	3.46E+00	4.61E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	8/17/2007	436	BE-7	5.29E-01	2.49E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	8/17/2007	436	CS-134	<LLD		2.73E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	8/17/2007	436	CS-137	<LLD		3.63E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	8/17/2007	436	I-131	<LLD		3.30E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	8/17/2007	436	K-40	2.42E+00	4.99E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	9/14/2007	402.5	BE-7	8.92E-01	1.74E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	9/14/2007	402.5	CS-134	<LLD		1.91E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	9/14/2007	402.5	CS-137	4.43E-02	2.19E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	9/14/2007	402.5	I-131	<LLD		2.29E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	9/14/2007	402.5	K-40	2.01E+00	4.13E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: WAX MYRTLE

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
50	SSE - CLOSE TO SITE BOUNDARY	5/16/2007	508.5	AC-228	1.51E-01	5.87E-02	
50	SSE - CLOSE TO SITE BOUNDARY	5/16/2007	508.5	BE-7	1.03E+00	1.95E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/16/2007	508.5	BI-214	6.13E-02	3.31E-02	
50	SSE - CLOSE TO SITE BOUNDARY	5/16/2007	508.5	CS-134	<LLD		2.35E-02
50	SSE - CLOSE TO SITE BOUNDARY	5/16/2007	508.5	CS-137	<LLD		1.91E-02
50	SSE - CLOSE TO SITE BOUNDARY	5/16/2007	508.5	I-131	<LLD		2.55E-02
50	SSE - CLOSE TO SITE BOUNDARY	5/16/2007	508.5	K-40	1.88E+00	3.34E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/16/2007	508.5	PB-212	3.59E-02	2.77E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/13/2007	480	BE-7	1.09E+00	1.85E-01	
50	SSE - CLOSE TO SITE BOUNDARY	6/13/2007	480	CS-134	<LLD		1.87E-02
50	SSE - CLOSE TO SITE BOUNDARY	6/13/2007	480	CS-137	2.15E-02	1.56E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/13/2007	480	I-131	<LLD		2.29E-02
50	SSE - CLOSE TO SITE BOUNDARY	6/13/2007	480	K-40	1.73E+00	3.19E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2007	448.3	BE-7	2.26E+00	2.53E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2007	448.3	BI-214	3.69E-02	3.31E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2007	448.3	CS-134	<LLD		1.80E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: WAX MYRTLE

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2007	448.3	CS-137	<LLD		2.50E-02
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2007	448.3	I-131	<LLD		1.88E-02
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2007	448.3	K-40	1.60E+00	3.41E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2007	448.3	PB-212	6.78E-02	3.68E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/17/2007	449.3	BE-7	1.55E+00	2.88E-01	
50	SSE - CLOSE TO SITE BOUNDARY	8/17/2007	449.3	CS-134	<LLD		3.42E-02
50	SSE - CLOSE TO SITE BOUNDARY	8/17/2007	449.3	CS-137	<LLD		3.17E-02
50	SSE - CLOSE TO SITE BOUNDARY	8/17/2007	449.3	I-131	<LLD		3.35E-02
50	SSE - CLOSE TO SITE BOUNDARY	8/17/2007	449.3	K-40	1.26E+00	4.14E-01	
50	SSE - CLOSE TO SITE BOUNDARY	8/17/2007	449.3	TL-208	2.54E-02	2.23E-02	
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2007	444.8	BE-7	1.22E+00	2.67E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2007	444.8	CS-134	<LLD		2.87E-02
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2007	444.8	CS-137	<LLD		2.96E-02
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2007	444.8	I-131	<LLD		2.50E-02
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2007	444.8	K-40	1.38E+00	4.56E-01	
50	SSE - CLOSE TO SITE BOUNDARY	10/23/2007	398	AC-228	1.61E-01	9.47E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: WAX MYRTLE

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
50	SSE - CLOSE TO SITE BOUNDARY	10/23/2007	398	BE-7	1.46E+00	2.76E-01	
50	SSE - CLOSE TO SITE BOUNDARY	10/23/2007	398	BI-214	5.50E-02	4.91E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/23/2007	398	CS-134	<LLD		2.27E-02
50	SSE - CLOSE TO SITE BOUNDARY	10/23/2007	398	CS-137	<LLD		2.24E-02
50	SSE - CLOSE TO SITE BOUNDARY	10/23/2007	398	I-131	<LLD		2.08E-02
50	SSE - CLOSE TO SITE BOUNDARY	10/23/2007	398	K-40	1.33E+00	3.77E-01	
50	SSE - CLOSE TO SITE BOUNDARY	10/23/2007	398	PB-212	9.56E-02	4.54E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/23/2007	398	PB-214	6.39E-02	5.64E-02	
51	SSW - CLOSE TO SITE BOUNDARY	5/16/2007	490.2	BE-7	5.14E-01	1.49E-01	
51	SSW - CLOSE TO SITE BOUNDARY	5/16/2007	490.2	CS-134	<LLD		1.93E-02
51	SSW - CLOSE TO SITE BOUNDARY	5/16/2007	490.2	CS-137	<LLD		2.18E-02
51	SSW - CLOSE TO SITE BOUNDARY	5/16/2007	490.2	I-131	<LLD		2.19E-02
51	SSW - CLOSE TO SITE BOUNDARY	5/16/2007	490.2	K-40	2.49E+00	3.67E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/13/2007	559.3	BE-7	8.84E-01	1.94E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/13/2007	559.3	CS-134	<LLD		1.96E-02
51	SSW - CLOSE TO SITE BOUNDARY	6/13/2007	559.3	CS-137	<LLD		2.31E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: WAX MYRTLE

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
51	SSW - CLOSE TO SITE BOUNDARY	6/13/2007	559.3	I-131	<LLD		3.03E-02
51	SSW - CLOSE TO SITE BOUNDARY	6/13/2007	559.3	K-40	1.30E+00	3.94E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/13/2007	559.3	PB-214	4.38E-02	3.87E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2007	468.1	AC-228	2.04E-01	6.75E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2007	468.1	BE-7	1.73E+00	1.95E-01	
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2007	468.1	BI-214	3.93E-02	3.74E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2007	468.1	CS-134	<LLD		2.13E-02
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2007	468.1	CS-137	<LLD		2.10E-02
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2007	468.1	I-131	<LLD		1.74E-02
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2007	468.1	K-40	2.40E+00	4.22E-01	
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2007	468.1	PB-212	4.96E-02	3.05E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2007	468.1	TL-208	2.81E-02	1.71E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/17/2007	452.5	AC-228	1.89E-01	8.00E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/17/2007	452.5	CS-134	<LLD		2.71E-02
51	SSW - CLOSE TO SITE BOUNDARY	8/17/2007	452.5	CS-137	2.72E-02	2.00E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/17/2007	452.5	I-131	<LLD		2.83E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: WAX MYRTLE

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
51	SSW - CLOSE TO SITE BOUNDARY	8/17/2007	452.5	K-40	2.12E+00	4.87E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2007	470.1	AC-228	2.58E-01	1.05E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2007	470.1	BE-7	7.98E-01	2.16E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2007	470.1	BI-214	9.24E-02	4.81E-02	
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2007	470.1	CS-134	<LLD		3.09E-02
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2007	470.1	CS-137	<LLD		2.68E-02
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2007	470.1	I-131	<LLD		2.52E-02
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2007	470.1	K-40	1.41E+00	5.12E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2007	470.1	PB-212	5.18E-02	2.82E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/23/2007	459.2	AC-228	1.73E-01	6.63E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/23/2007	459.2	BE-7	5.34E-01	1.65E-01	
51	SSW - CLOSE TO SITE BOUNDARY	10/23/2007	459.2	BI-214	9.07E-02	4.85E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/23/2007	459.2	CS-134	<LLD		2.30E-02
51	SSW - CLOSE TO SITE BOUNDARY	10/23/2007	459.2	CS-137	<LLD		2.03E-02
51	SSW - CLOSE TO SITE BOUNDARY	10/23/2007	459.2	I-131	<LLD		1.77E-02
51	SSW - CLOSE TO SITE BOUNDARY	10/23/2007	459.2	K-40	1.32E+00	3.29E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: WAX MYRTLE

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
51	SSW - CLOSE TO SITE BOUNDARY	10/23/2007	459.2	PB-212	7.04E-02	3.41E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/23/2007	459.2	PB-214	5.79E-02	3.96E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/23/2007	459.2	RA-226	4.92E-01	4.62E-01	
51	SSW - CLOSE TO SITE BOUNDARY	10/23/2007	459.2	TL-208	5.58E-02	2.45E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	5/16/2007	459.2	BE-7	1.29E+00	1.96E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/16/2007	459.2	CS-134	<LLD		2.05E-02
52	10 MI W - NEAR BETHUNE - CONTROL	5/16/2007	459.2	CS-137	<LLD		2.12E-02
52	10 MI W - NEAR BETHUNE - CONTROL	5/16/2007	459.2	I-131	<LLD		2.40E-02
52	10 MI W - NEAR BETHUNE - CONTROL	5/16/2007	459.2	K-40	2.08E+00	3.55E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/16/2007	459.2	PB-212	2.95E-02	2.57E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	6/13/2007	524.4	BE-7	6.38E-01	1.34E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	6/13/2007	524.4	CS-134	<LLD		1.66E-02
52	10 MI W - NEAR BETHUNE - CONTROL	6/13/2007	524.4	CS-137	1.85E-02	1.52E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	6/13/2007	524.4	I-131	<LLD		1.76E-02
52	10 MI W - NEAR BETHUNE - CONTROL	6/13/2007	524.4	K-40	1.96E+00	3.06E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/11/2007	505.5	BE-7	6.06E-01	1.87E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: WAX MYRTLE

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
52	10 MI W - NEAR BETHUNE - CONTROL	7/11/2007	505.5	BI-214	6.34E-02	3.68E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	7/11/2007	505.5	CS-134	<LLD		2.63E-02
52	10 MI W - NEAR BETHUNE - CONTROL	7/11/2007	505.5	CS-137	<LLD		2.48E-02
52	10 MI W - NEAR BETHUNE - CONTROL	7/11/2007	505.5	I-131	<LLD		2.00E-02
52	10 MI W - NEAR BETHUNE - CONTROL	7/11/2007	505.5	K-40	3.41E+00	4.59E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/11/2007	505.5	PB-212	4.93E-02	3.22E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	8/17/2007	443	BE-7	1.00E+00	2.11E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/17/2007	443	BI-214	4.98E-02	4.24E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	8/17/2007	443	CS-134	<LLD		2.38E-02
52	10 MI W - NEAR BETHUNE - CONTROL	8/17/2007	443	CS-137	<LLD		2.88E-02
52	10 MI W - NEAR BETHUNE - CONTROL	8/17/2007	443	I-131	<LLD		2.38E-02
52	10 MI W - NEAR BETHUNE - CONTROL	8/17/2007	443	K-40	8.68E-01	3.12E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2007	390.4	BE-7	1.57E+00	3.16E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2007	390.4	BI-214	1.07E-01	5.97E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2007	390.4	CS-134	<LLD		2.78E-02
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2007	390.4	CS-137	<LLD		3.41E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: WAX MYRTLE

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2007	390.4	I-131	<LLD		3.19E-02
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2007	390.4	K-40	1.37E+00	5.08E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2007	390.4	PB-214	6.88E-02	5.59E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	10/23/2007	395.2	BE-7	6.74E-01	2.71E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	10/23/2007	395.2	CS-134	<LLD		3.51E-02
52	10 MI W - NEAR BETHUNE - CONTROL	10/23/2007	395.2	CS-137	<LLD		2.89E-02
52	10 MI W - NEAR BETHUNE - CONTROL	10/23/2007	395.2	I-131	<LLD		2.77E-02
52	10 MI W - NEAR BETHUNE - CONTROL	10/23/2007	395.2	K-40	1.48E+00	5.47E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	10/23/2007	395.2	PB-212	1.12E-01	4.59E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	10/23/2007	395.2	PB-214	5.79E-02	5.34E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	10/23/2007	395.2	TL-208	5.94E-02	3.63E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	5/16/2007	439.8	BE-7	1.32E+00	2.64E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	5/16/2007	439.8	BI-214	7.05E-02	4.76E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	5/16/2007	439.8	CS-134	<LLD		3.02E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	5/16/2007	439.8	CS-137	<LLD		3.09E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	5/16/2007	439.8	I-131	<LLD		3.64E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: WAX MYRTLE

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	5/16/2007	439.8	K-40	2.74E+00	5.05E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	5/16/2007	439.8	PB-212	4.06E-02	3.22E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	6/13/2007	488.2	BE-7	1.37E+00	1.96E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	6/13/2007	488.2	CS-134	<LLD		2.02E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	6/13/2007	488.2	CS-137	1.56E-02	1.52E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	6/13/2007	488.2	I-131	<LLD		2.41E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	6/13/2007	488.2	K-40	3.52E+00	4.14E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	6/13/2007	488.2	PB-212	2.28E-02	1.95E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	7/11/2007	485.9	AC-228	6.10E-02	5.79E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	7/11/2007	485.9	BE-7	9.16E-01	2.66E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	7/11/2007	485.9	CS-134	<LLD		2.87E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	7/11/2007	485.9	CS-137	<LLD		2.99E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	7/11/2007	485.9	I-131	<LLD		2.43E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	7/11/2007	485.9	K-40	2.84E+00	4.81E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	7/11/2007	485.9	PB-212	5.36E-02	3.19E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	8/17/2007	449.2	BE-7	9.22E-01	1.92E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: WAX MYRTLE

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	8/17/2007	449.2	BI-214	6.98E-02	4.81E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	8/17/2007	449.2	CS-134	<LLD		2.33E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	8/17/2007	449.2	CS-137	<LLD		2.34E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	8/17/2007	449.2	I-131	<LLD		2.65E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	8/17/2007	449.2	K-40	3.07E+00	4.47E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	8/17/2007	449.2	PB-214	5.81E-02	3.73E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	8/17/2007	449.2	TL-208	2.27E-02	2.15E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	9/14/2007	500.7	AC-228	2.58E-01	8.93E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	9/14/2007	500.7	BE-7	6.68E-01	2.29E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	9/14/2007	500.7	BI-214	4.34E-02	4.13E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	9/14/2007	500.7	CS-134	<LLD		2.64E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	9/14/2007	500.7	CS-137	<LLD		2.82E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	9/14/2007	500.7	I-131	<LLD		2.66E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	9/14/2007	500.7	K-40	2.75E+00	4.95E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	9/14/2007	500.7	PB-212	5.02E-02	2.65E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	9/14/2007	500.7	PB-214	6.32E-02	4.34E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Broadleaf Vegetation
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: WAX MYRTLE

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	10/23/2007	462.7	AC-228	1.82E-01	8.06E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	10/23/2007	462.7	BE-7	5.09E-01	1.92E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	10/23/2007	462.7	CS-134	<LLD		2.01E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	10/23/2007	462.7	CS-137	<LLD		1.98E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	10/23/2007	462.7	I-131	<LLD		1.70E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	10/23/2007	462.7	K-40	2.63E+00	4.29E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	10/23/2007	462.7	PB-212	2.62E-01	3.77E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE S	10/23/2007	462.7	TL-208	7.82E-02	2.88E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Fish - Bottom Feeder
Quantity: Grams (wet)
Activity: pCi/gram wet

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
45	SITE VARIES WITHIN LAKE ROBINSON	5/22/2007	612.5	PB-214	3.62E-02	2.49E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/22/2007	612.5	CS-137	3.46E-02	1.96E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/22/2007	612.5	K-40	2.46E+00	4.03E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	11/27/2007	667.6	CS-137	3.80E-02	1.24E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	11/27/2007	667.6	PB-214	2.30E-02	1.97E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	11/27/2007	667.6	K-40	2.58E+00	3.71E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	607.4	K-40	2.29E+00	3.94E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	607.4	CS-137	3.14E-02	1.73E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/26/2007	523.3	BI-214	7.44E-02	3.40E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/26/2007	523.3	PB-212	3.21E-02	2.61E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/26/2007	523.3	K-40	2.23E+00	4.08E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/26/2007	523.3	PB-214	4.69E-02	3.59E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/21/2007	524.7	CS-137	3.44E-02	1.20E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/21/2007	524.7	K-40	2.56E+00	4.52E-01	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/21/2007	524.7	PB-212	5.23E-02	2.58E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/21/2007	524.7	BI-214	8.04E-02	4.43E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/21/2007	524.7	PB-214	1.01E-01	4.41E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/26/2007	521.5	PB-212	3.74E-02	2.15E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/26/2007	521.5	BI-214	8.23E-02	3.36E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/26/2007	521.5	K-40	2.34E+00	4.06E-01	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/26/2007	521.5	TL-208	3.21E-02	1.58E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/26/2007	521.5	RA-226	4.80E-01	3.20E-01	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/26/2007	521.5	CS-137	4.22E-02	1.83E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/26/2007	521.5	PB-214	6.87E-02	3.90E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Fish - Free Swimmer
Quantity: Grams (wet)
Activity: pCi/gram (wet)

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
45	SITE VARIES WITHIN LAKE ROBINSON	5/22/2007	575.7	CS-137	3.59E-02	1.71E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/22/2007	575.7	K-40	2.80E+00	4.29E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	11/27/2007	573.3	CS-137	4.57E-02	1.73E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	11/27/2007	573.3	K-40	3.55E+00	5.94E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	582.5	CS-137	4.90E-02	2.02E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	582.5	K-40	2.36E+00	4.27E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	582.5	PB-212	2.86E-02	2.17E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/23/2007	582.5	BI-214	4.15E-02	3.92E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/26/2007	533.3	CS-137	5.39E-02	2.07E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/26/2007	533.3	PB-214	4.75E-02	4.27E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/26/2007	533.3	K-40	2.62E+00	4.78E-01	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/21/2007	511.3	BI-214	7.58E-02	3.68E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/21/2007	511.3	PB-214	5.42E-02	3.48E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/21/2007	511.3	CS-137	7.29E-02	3.23E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/21/2007	511.3	K-40	2.65E+00	6.01E-01	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/26/2007	553	PB-214	9.33E-02	4.46E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/26/2007	553	AC-228	1.09E-01	6.42E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/26/2007	553	K-40	2.49E+00	4.84E-01	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/26/2007	553	BI-214	6.72E-02	3.45E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/26/2007	553	CS-137	6.19E-02	3.17E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Food Crop
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: COLLARDS

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	11/16/2007	553.7	CS-134	<LLD		2.22E-02
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	11/16/2007	553.7	CS-137	<LLD		2.31E-02
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	11/16/2007	553.7	I-131	<LLD		2.32E-02
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	11/16/2007	553.7	K-40	3.31E+00	4.97E-01	
58	SITE VARIES FROM PLANT	11/16/2007	546.7	BE-7	1.79E-01	1.15E-01	
58	SITE VARIES FROM PLANT	11/16/2007	546.7	CS-134	<LLD		1.93E-02
58	SITE VARIES FROM PLANT	11/16/2007	546.7	CS-137	<LLD		1.74E-02
58	SITE VARIES FROM PLANT	11/16/2007	546.7	I-131	<LLD		1.82E-02
58	SITE VARIES FROM PLANT	11/16/2007	546.7	K-40	3.80E+00	4.50E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Food Crop
Quantity: GRAMS (wet)
Concentration (Activity): pCi/gm wet

Media: TOMATOES

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	7/24/2007	967.6	CS-134	<LLD		1.18E-02
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	7/24/2007	967.6	CS-137	<LLD		1.25E-02
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	7/24/2007	967.6	I-131	<LLD		9.23E-03
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	7/24/2007	967.6	K-40	2.27E+00	2.63E-01	
58	SITE VARIES FROM PLANT	7/24/2007	947	CS-134	<LLD		9.71E-03
58	SITE VARIES FROM PLANT	7/24/2007	947	CS-137	<LLD		9.42E-03
58	SITE VARIES FROM PLANT	7/24/2007	947	I-131	<LLD		7.50E-03
58	SITE VARIES FROM PLANT	7/24/2007	947	K-40	1.79E+00	2.24E-01	
58	SITE VARIES FROM PLANT	7/24/2007	947	PB-214	2.13E-02	1.58E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Groundwater
Quantity: Liters
Activity: pCi/Liter

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
42	UNIT 1 OR UNIT 2 DEEP WELL	1/16/2007	1	BI-214	1.13E+01	7.04E+00	
42	UNIT 1 OR UNIT 2 DEEP WELL	1/16/2007	1	PB-212	5.78E+00	4.42E+00	
42	UNIT 1 OR UNIT 2 DEEP WELL	4/9/2007	1	PB-214	1.03E+01	6.11E+00	
42	UNIT 1 OR UNIT 2 DEEP WELL	7/3/2007	1	BI-214	1.04E+01	9.39E+00	
42	UNIT 1 OR UNIT 2 DEEP WELL	9/24/2007	1	PB-214	7.22E+00	6.17E+00	
42	UNIT 1 OR UNIT 2 DEEP WELL	10/23/2007	1	BI-214	1.26E+01	6.82E+00	
64	SC 23 @ BLACK CREEK	1/16/2007	1	K-40	1.10E+02	7.68E+01	
64	SC 23 @ BLACK CREEK	4/9/2007	1	BI-214	1.49E+01	8.35E+00	
64	SC 23 @ BLACK CREEK	7/3/2007	1	BI-214	1.02E+01	1.01E+01	
64	SC 23 @ BLACK CREEK	7/3/2007	1	PB-212	8.18E+00	6.94E+00	
64	SC 23 @ BLACK CREEK	9/24/2007	1	PB-214	2.28E+01	8.18E+00	
64	SC 23 @ BLACK CREEK	9/24/2007	1	BI-214	4.57E+01	8.91E+00	
64	SC 23 @ BLACK CREEK	10/23/2007	1	PB-214	1.54E+01	8.52E+00	
64	SC 23 @ BLACK CREEK	10/23/2007	1	BI-214	1.71E+01	7.43E+00	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Shoreline Sediment
Quantity: Grams (dry)
Activity: pCi/gram dry

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	2/23/2007	1268.3	PB-212	2.42E-01	3.91E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	2/23/2007	1268.3	BI-214	2.15E-01	6.50E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	2/23/2007	1268.3	PB-214	1.92E-01	5.85E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	2/23/2007	1268.3	AC-228	2.18E-01	7.48E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	2/23/2007	1268.3	TL-208	9.08E-02	2.38E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	8/22/2007	1484.8	RA-226	6.23E-01	4.87E-01	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	8/22/2007	1484.8	PB-214	2.49E-01	7.24E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	8/22/2007	1484.8	BI-214	2.12E-01	5.68E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	8/22/2007	1484.8	PB-212	1.92E-01	5.15E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	8/22/2007	1484.8	TL-208	8.57E-02	2.93E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	8/22/2007	1484.8	AC-228	1.65E-01	9.15E-02	
57	ASH POND	2/23/2007	968.5	BI-214	5.23E+00	3.06E-01	
57	ASH POND	2/23/2007	968.5	K-40	2.29E+01	1.75E+00	
57	ASH POND	2/23/2007	968.5	TH-234	8.44E+00	3.94E+00	
57	ASH POND	2/23/2007	968.5	AC-228	3.58E+00	4.03E-01	
57	ASH POND	2/23/2007	968.5	PB-214	5.38E+00	2.93E-01	
57	ASH POND	2/23/2007	968.5	PB-212	3.72E+00	1.82E-01	
57	ASH POND	2/23/2007	968.5	BI-212	1.95E+00	7.66E-01	
57	ASH POND	2/23/2007	968.5	TL-208	1.22E+00	1.31E-01	
57	ASH POND	2/23/2007	968.5	RA-226	1.08E+01	2.02E+00	
57	ASH POND	8/22/2007	689.9	TL-208	1.15E+00	1.47E-01	
57	ASH POND	8/22/2007	689.9	BI-212	2.25E+00	8.82E-01	
57	ASH POND	8/22/2007	689.9	PB-212	3.81E+00	2.06E-01	
57	ASH POND	8/22/2007	689.9	BI-214	4.87E+00	3.23E-01	
57	ASH POND	8/22/2007	689.9	PB-214	5.40E+00	3.18E-01	
57	ASH POND	8/22/2007	689.9	RA-226	1.29E+01	2.50E+00	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Shoreline Sediment
Quantity: Grams (dry)
Activity: pCi/gram dry

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
57	ASH POND	8/22/2007	689.9	AC-228	3.44E+00	4.77E-01	
57	ASH POND	8/22/2007	689.9	TH-234	9.80E+00	5.48E+00	
57	ASH POND	8/22/2007	689.9	K-40	2.49E+01	2.06E+00	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Surface Water
Quantity: Liters
Activity: pCi/Liter

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	1/19/2007	1.00	NO-ACT			
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	2/19/2007	1.00	NO-ACT			
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	3/19/2007	1.00	K-40	2.50E+01	2.41E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	4/16/2007	1.00	AC-228	1.37E+01	7.45E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	4/16/2007	1.00	PB-214	4.55E+00	3.83E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	5/18/2007	1.00	PB-214	4.16E+00	4.00E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	6/18/2007	1.00	NO-ACT			
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	7/19/2007	1.00	TL-208	2.75E+00	2.65E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	7/19/2007	1.00	PB-212	3.96E+00	2.79E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	8/19/2007	1.00	BI-214	1.07E+01	6.53E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	9/16/2007	1.00	PB-214	8.33E+00	2.96E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	9/16/2007	1.00	BI-214	1.22E+01	3.54E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	9/16/2007	1.00	PB-212	2.70E+00	1.90E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	10/18/2007	1.00	PB-214	3.05E+00	3.00E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	10/18/2007	1.00	BI-214	6.69E+00	3.82E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	11/19/2007	1.00	NO-ACT			
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	12/20/2007	1.00	NO-ACT			
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	1/19/2007	1.00	NO-ACT			
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	2/19/2007	1.00	PB-214	4.95E+00	3.26E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	2/19/2007	1.00	BI-214	8.60E+00	4.21E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	3/19/2007	1.00	NO-ACT			
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	4/16/2007	1.00	NO-ACT			
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/18/2007	1.00	BI-214	4.99E+00	4.29E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	6/18/2007	1.00	NO-ACT			
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	7/19/2007	1.00	BI-214	5.27E+00	4.21E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	8/19/2007	1.00	PB-214	5.43E+00	3.70E+00	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Surface Water
Quantity: Liters
Activity: pCi/Liter

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	8/19/2007	1.00	BI-214	8.53E+00	3.64E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	8/19/2007	1.00	PB-212	4.04E+00	1.98E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	9/16/2007	1.00	BI-214	1.10E+01	3.95E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	9/16/2007	1.00	PB-214	1.10E+01	3.57E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	10/18/2007	1.00	NO-ACT			
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	11/19/2007	1.00	PB-212	6.53E+00	3.94E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	12/20/2007	1.00	BI-214	1.03E+01	4.18E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	12/20/2007	1.00	PB-212	4.25E+00	2.03E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	12/20/2007	1.00	PB-214	6.43E+00	3.52E+00	
57	ASH POND	1/19/2007	1.00	K-40	2.91E+01	2.59E+01	
57	ASH POND	1/19/2007	1.00	TL-208	2.45E+00	1.44E+00	
57	ASH POND	2/19/2007	1.00	BI-214	1.40E+01	4.23E+00	
57	ASH POND	2/19/2007	1.00	K-40	1.41E+02	2.74E+01	
57	ASH POND	2/19/2007	1.00	RA-226	4.28E+01	3.15E+01	
57	ASH POND	2/19/2007	1.00	PB-214	1.84E+01	3.77E+00	
57	ASH POND	2/19/2007	1.00	TL-208	2.96E+00	2.04E+00	
57	ASH POND	2/19/2007	1.00	PB-212	1.68E+01	2.43E+00	
57	ASH POND	2/19/2007	1.00	AC-228	1.28E+01	6.97E+00	
57	ASH POND	3/19/2007	1.00	BI-214	5.56E+00	5.41E+00	
57	ASH POND	4/16/2007	1.00	NO-ACT			
57	ASH POND	5/18/2007	1.00	NO-ACT			
57	ASH POND	6/18/2007	1.00	NO-ACT			
57	ASH POND	7/19/2007	1.00	PB-214	7.52E+00	3.67E+00	
57	ASH POND	7/19/2007	1.00	BE-7	1.61E+01	1.25E+01	
57	ASH POND	7/19/2007	1.00	BI-214	1.19E+01	4.16E+00	
57	ASH POND	7/19/2007	1.00	PB-212	3.39E+00	2.17E+00	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

Media Type: Surface Water
Quantity: Liters
Activity: pCi/Liter

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
57	ASH POND	8/19/2007	1.00	PB-212	9.72E+00	3.03E+00	
57	ASH POND	8/19/2007	1.00	BI-212	1.82E+01	1.57E+01	
57	ASH POND	8/19/2007	1.00	BI-214	6.56E+00	6.24E+00	
57	ASH POND	8/19/2007	1.00	PB-214	8.81E+00	4.80E+00	
57	ASH POND	8/19/2007	1.00	TL-208	4.57E+00	2.61E+00	
57	ASH POND	9/16/2007	1.00	PB-212	3.04E+00	2.53E+00	
57	ASH POND	9/16/2007	1.00	PB-214	5.29E+00	4.10E+00	
57	ASH POND	10/18/2007	1.00	NO-ACT			
57	ASH POND	11/19/2007	1.00	BI-214	4.58E+00	3.54E+00	
57	ASH POND	11/19/2007	1.00	PB-212	2.65E+00	2.11E+00	
57	ASH POND	12/20/2007	1.00	NO-ACT			
66	Black Creek between Prestwood Lake discharge an	8/19/2007	1.00	PB-214	3.84E+00	3.14E+00	
66	Black Creek between Prestwood Lake discharge an	8/19/2007	1.00	BI-214	6.74E+00	4.01E+00	
66	Black Creek between Prestwood Lake discharge an	9/16/2007	1.00	PB-212	4.35E+00	1.92E+00	
66	Black Creek between Prestwood Lake discharge an	9/16/2007	1.00	BI-214	1.15E+01	3.71E+00	
66	Black Creek between Prestwood Lake discharge an	9/16/2007	1.00	PB-214	8.00E+00	3.33E+00	
66	Black Creek between Prestwood Lake discharge an	10/18/2007	1.00	BI-214	4.90E+00	3.77E+00	
66	Black Creek between Prestwood Lake discharge an	11/19/2007	1.00	NO-ACT			
66	Black Creek between Prestwood Lake discharge an	12/20/2007	1.00	TL-208	2.70E+00	1.91E+00	
66	Black Creek between Prestwood Lake discharge an	12/20/2007	1.00	PB-212	5.18E+00	2.09E+00	
66	Black Creek between Prestwood Lake discharge an	12/20/2007	1.00	BI-214	6.26E+00	3.81E+00	
66	Black Creek between Prestwood Lake discharge an	12/20/2007	1.00	PB-214	6.24E+00	3.16E+00	