TS 5.6.2

Progress Energy

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United States Nuclear Regulatory Commission
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H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261/LICENSE NO. DPR-23

RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT - 2010

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, 2010, through December 31, 2010.

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

Sincerely,

John R. Caves

John Caves
Supervisor - Licensing/Regulatory Programs

RAC/rac

Enclosure

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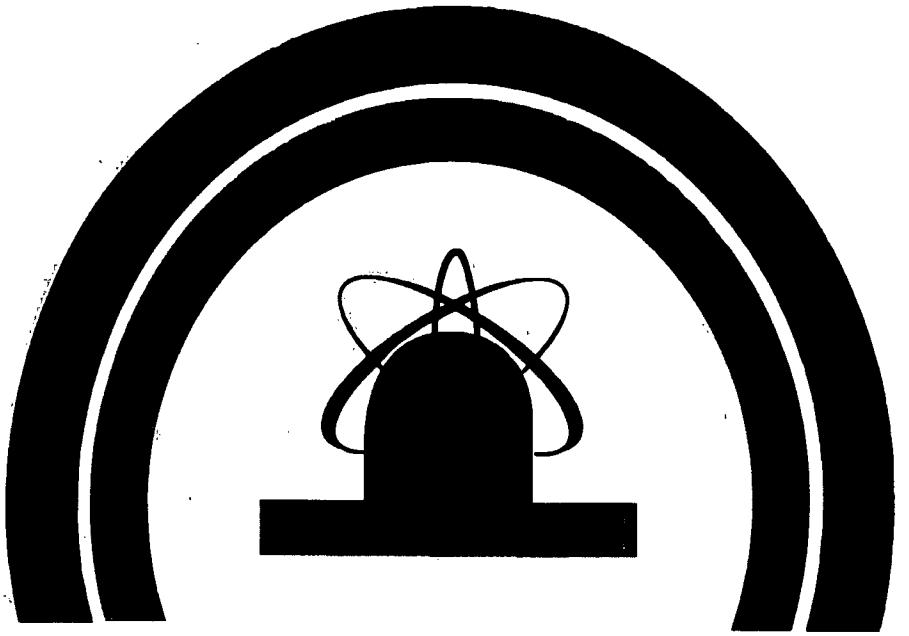
NRR

RADIOLOGICAL

ENVIRONMENTAL OPERATING

REPORT

2010



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, 2010

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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, 2010 through December 31, 2010.

The Radiological Environmental Monitoring program was established in 1973. Radiation and radioactivity in various environmental media have been monitored for more than 35 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. Milk sampling will resume if a new sample location is identified. Broadleaf sampling is conducted, since no milk animals are located within five miles of the plant in any sector. Cesium-137 was detected in broadleaf vegetation for the indicator locations that was comparable with the control location, which is unaffected by plant operations. The Cesium-137 concentrations were also comparable to previous years.

- 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. The concentrations identified were comparable to previous years' data.

- Aquatic organism surveillances include fish and aquatic vegetation. Fish samples revealed detectable concentrations of Cs-137 activity in both indicator and control locations. No other gamma activity was detected in any fish sample, except for K-40 and other naturally occurring gamma activity. The concentrations observed are not totally plant related and are consistent with previous years' data. The aquatic vegetation is used for long term trending and there is no dose contribution to the public. The indicator samples detected the presence of Co-58 and Co-60 activity which is plant related in one sample. Cesium-137 activity was detected in two indicator and one control sample at concentrations consistent with previous years' data.

- Surface water results indicate that the surface water from Lake Robinson shows the presence of tritium, which is attributed to plant operation. The tritium concentrations observed are not irreversible to the environment due to plant operations (See Figure 15) and are consistent with previous years' data. Refer to the Interpretations and Conclusions Section / Surface Water.

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

- Sediment surveillance includes both shoreline and bottom sediment. The shoreline analyses were all non-detectable. These samples are used to calculate groundplane dose to the public. During 2010, bottom sediment results indicated the presence of Cs-137 and Co-60 at concentrations consistent with previous years. Bottom sediment is used for long term trending and there is no public dose associated with these samples.

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

The HBRSEP (Unit No. 2) consists of a pressurized water reactor with a design rating of 800 MWe (Mega-watts 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.

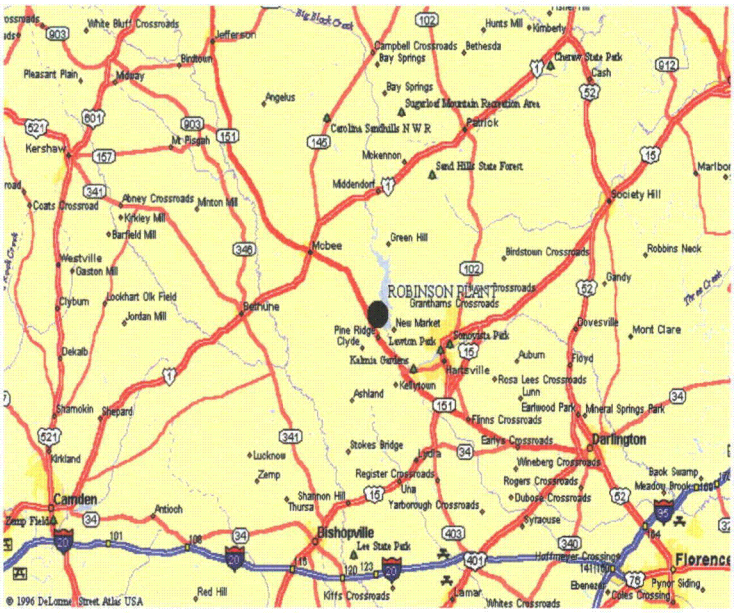


Figure 1: Location of HBRSEP

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) Surface Water

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 thru 5. A description of each sample location may be found in Table 2.

Radiological Sampling Locations

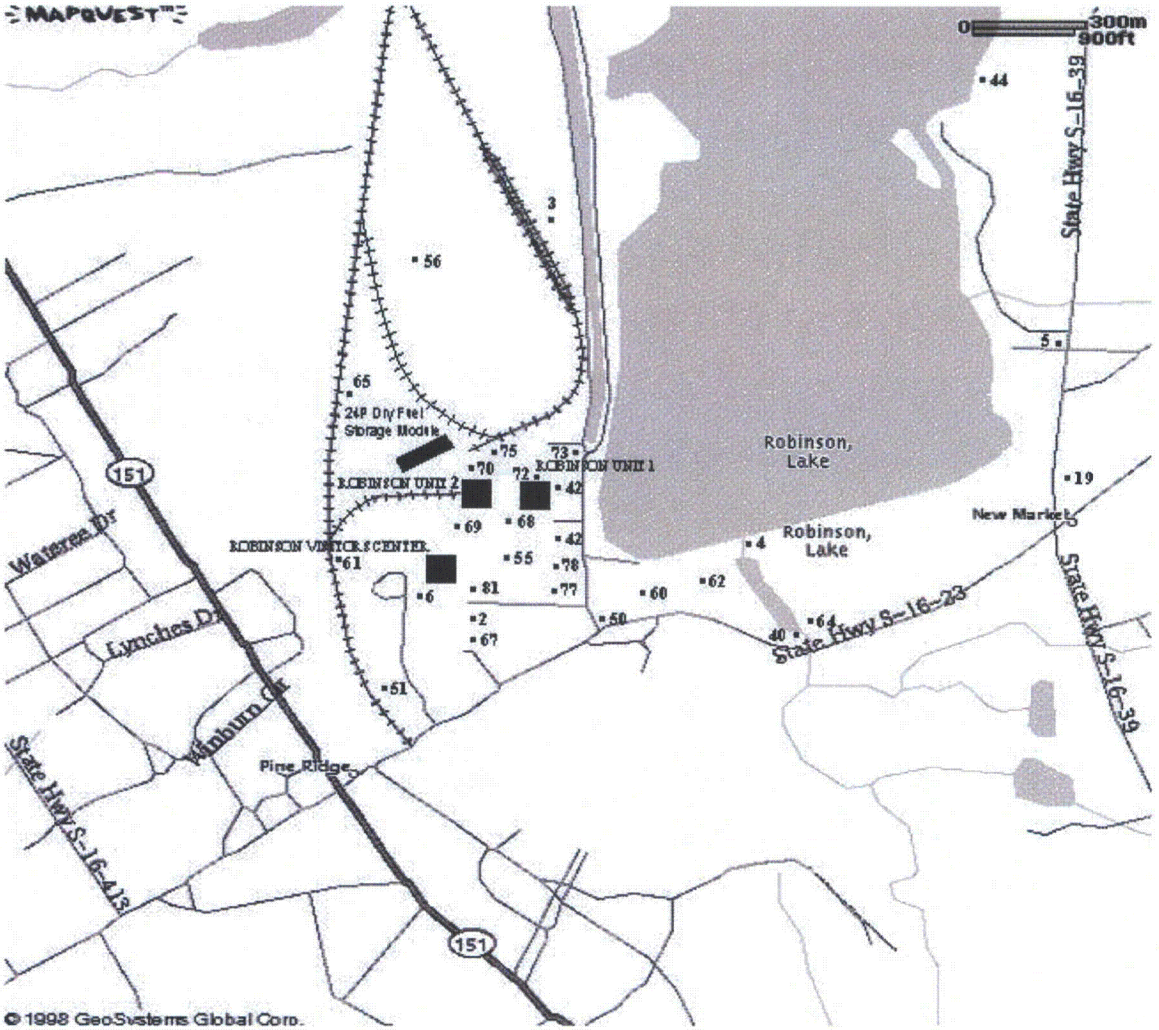


Figure 2: Radiological Sampling Locations (Near Plant)

Stations not shown include 1, 7-18, 20-39, 41, 45, 46, 47, 49, 52, 54, 57, 58, 66, 71, 74, 76, 79, and 80.

Sample Types	Sample Locations
Air Cartridge & Particulate	1-7, 55, 60, 61
Shoreline Sediment	44, 57
Ground Water	42, 64, 68 - 81
Broadleaf Vegetation	50, 51, 52, 62, 67
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, 66

Radiological Sampling Locations

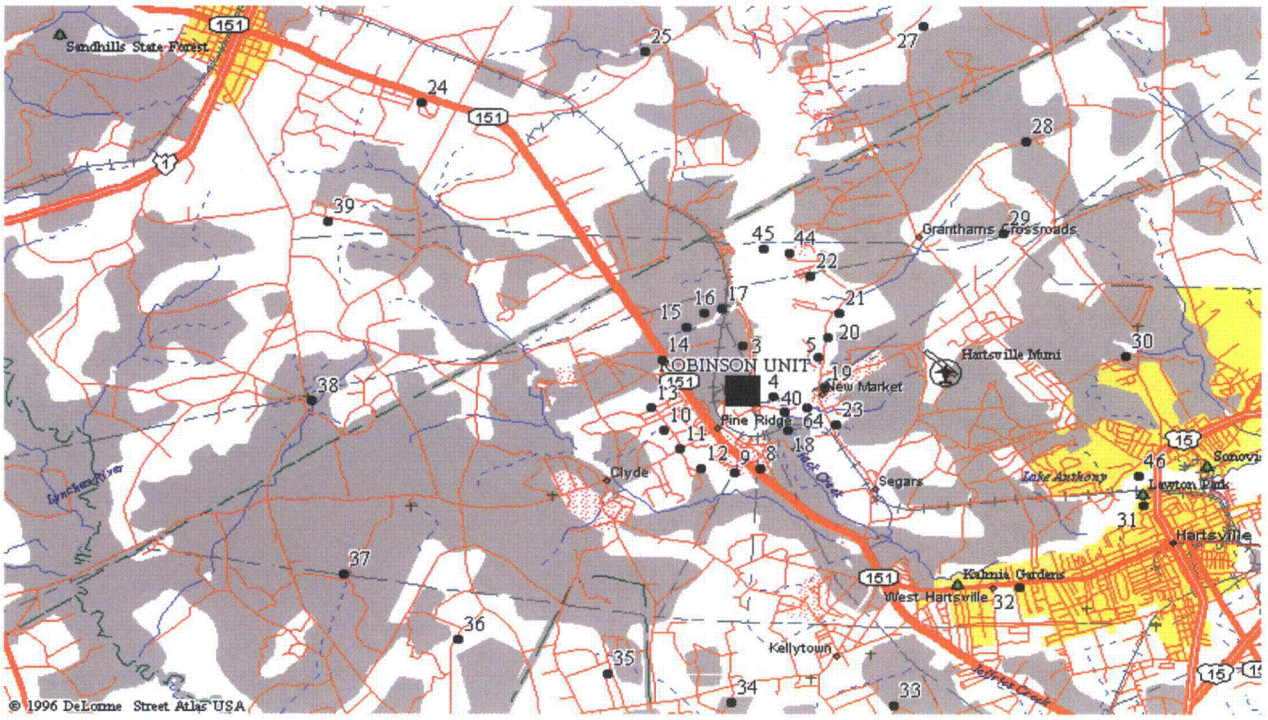


Figure 3: Radiological Sampling Locations (Distant from Plant)

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, 66, 67, and 68 - 81.

Sample Types	Sample Locations
Air Cartridge & Particulate	1-7, 55, 60, 61
Shoreline Sediment	44, 57
Ground Water	42, 64, 68 - 81
Broadleaf Vegetation	50, 51, 52, 62, 67
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, 66

Radiological Sampling Locations

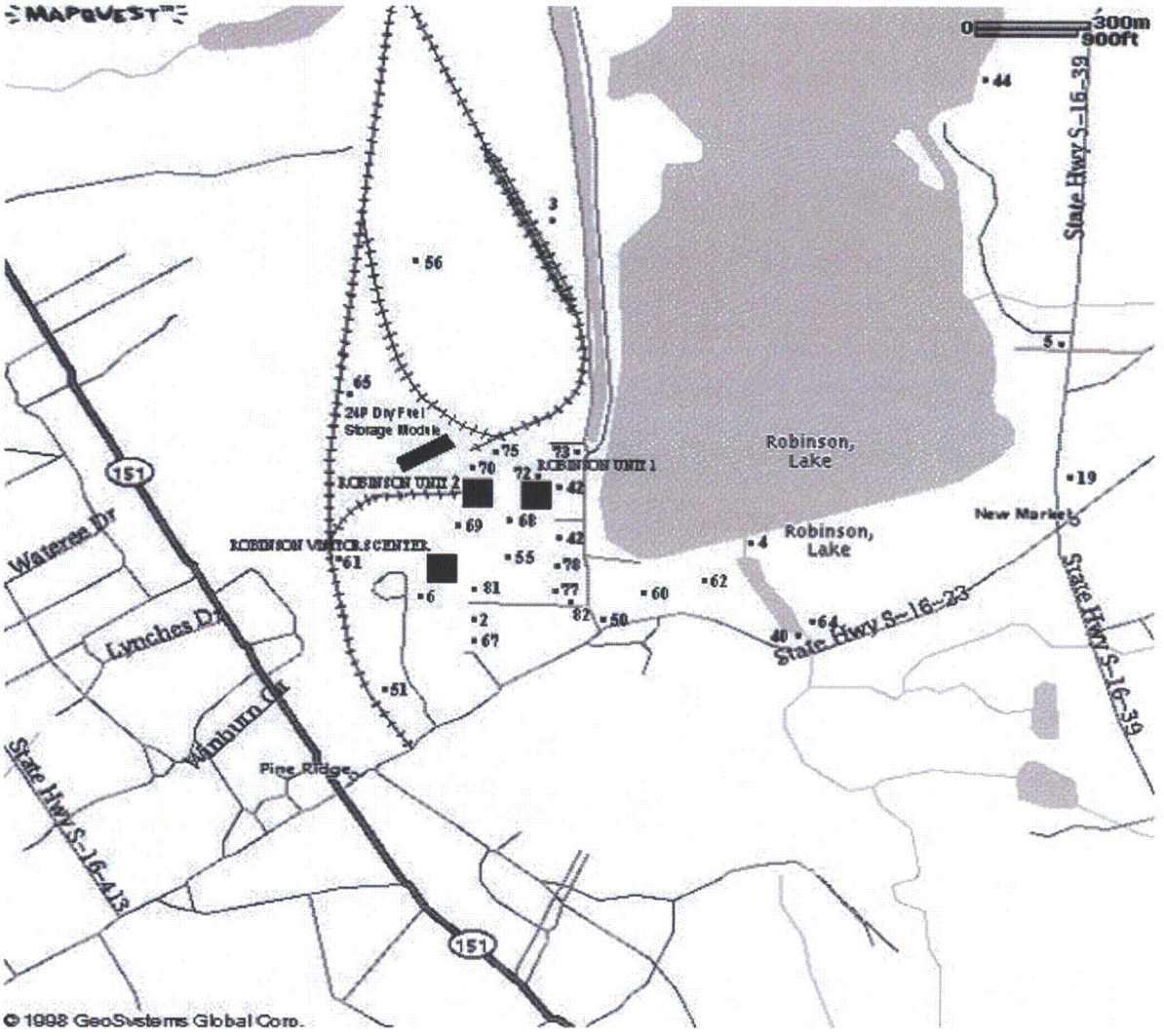


Figure 4: Radiological Sampling Locations (Near Plant) (Effective Date: 12/20/10)

Stations not shown include 1, 7-18, 20-39, 41, 45, 46, 47, 49, 52, 54, 57, 58, 66, 71, 76, and 79.

Sample Types	Sample Locations
Air Cartridge & Particulate	1-7, 55, 60, 61
Shoreline Sediment	44, 57
Ground Water	42, 64, 68 – 73, 75 – 79, 81 - 82
Broadleaf Vegetation	50, 51, 52, 62, 67
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, 66

Radiological Sampling Locations

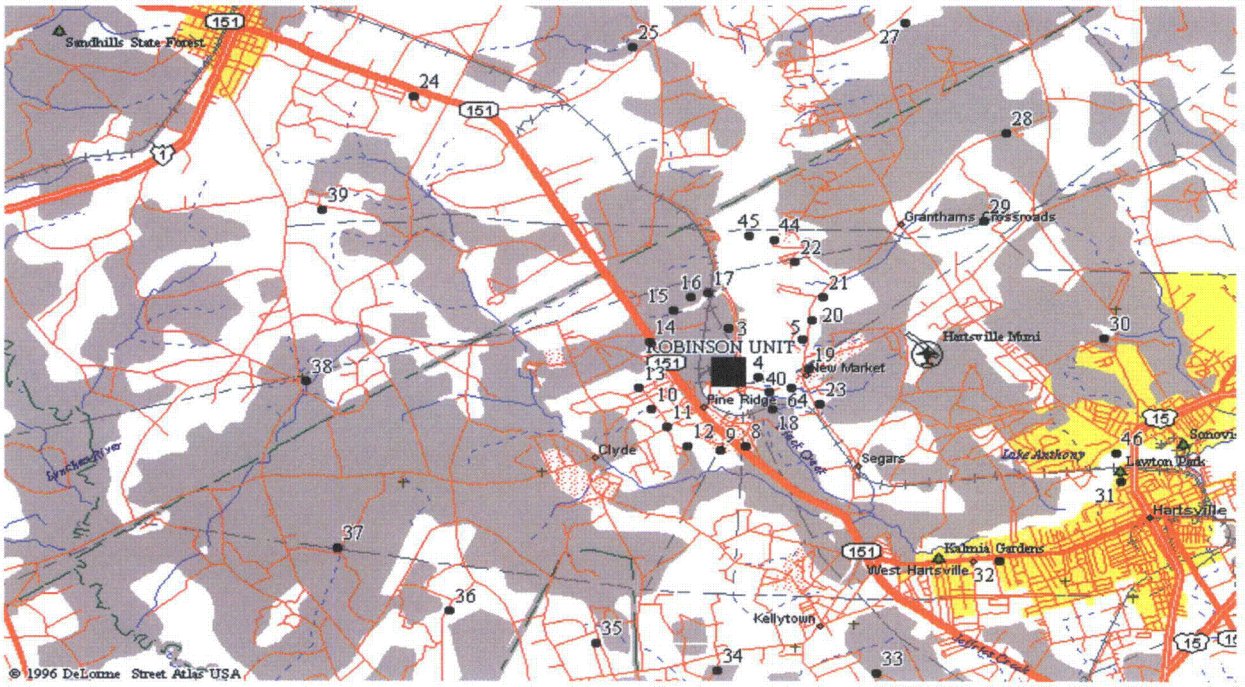


Figure 5: Radiological Sampling Locations (Distant from Plant) (Effective Date: 12/20/10)

Stations not shown include 1, 2, 6, 7, 26, 41, 42, 47 (varies), 49 (varies), 50 - 52, 54 - 58 (varies), 60 - 62, 65 - 67, 68 – 73, 75 – 79, and 81 – 82.

Sample Types	Sample Locations
Air Cartridge & Particulate	1-7, 55, 60, 61
Shoreline Sediment	44, 57
Ground Water	42, 64, 68 – 73, 75 – 79, 81 - 82
Broadleaf Vegetation	50, 51, 52, 62, 67
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, 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) (Bottom Feeders & Free Swimmers)	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 67--S 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 Shore	Semiannual	575 grams	Gamma
Aquatic Veg. (AV) & Bottom Sediments (SD)	41--7.2 miles NNW Black Creek (upstream)* 45--Site varies within Lake Robinson 46--Site varies within Prestwood Lake 66--Black Creek between Prestwood Lake discharge & upstream of Sonoco spray farm (downstream)	Annual	420 grams and 575 grams	Gamma
Ground Water (GW)	42--Unit 1 Deep Wells 64--0.6 miles SE Artesian Well 68--Well A Btwn Unit 1 Switchyard & breakroom 69--Well B Bhnd the Training Building 70--Well C Btwn the O&M Building & Fab Shop 71--0.87miles NNW (MW-03A) Btwn Ash Pond & RR tracks 72--0.10 miles E (MW-06) 20 ft from FP/FH 7 fire Hydrant & Unit 1 North Deep Well Pump 73--0.11 miles ENE (MW-13) Btwn Discharge Canal & Unit 1 Stand Alone Fuel Oil Tanks 74--0.96 miles NNW (P-08-ASH) 20 ft W of RR Tracks & 100 ft E of Ash Pond (Deleted 12/10)	Quarterly Grab	4 liters	Gamma Tritium

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
Ground Water (GW) Continued	75--0.05 miles NE (PSW-02) By Unit 1 boundary Fence to Unit 2 across paved rd. from Hydrogen Gas Tanks 76--0.49 miles N (PSW-03) NE corner of the MET Tower Station 77--0.25 miles SSE (TS-01B) By entrance rd. to Unit 1 78--0.17 miles SSE (TS-02C) NE corner by East Settling Pond influent by fence 79--1.0 miles N (TS-07C) S corner by cove & Discharge Canal 80--0.97 miles NNW (TS-08C) E of dirt rd. to MET Tower Station (Deleted 12/10) 81--0.19 miles SSE (TS-17B) W of West Settling Pond across paved rd. 82--0.3 miles SSE (PDW-01) By entrance rd. to Unit 1(Added 12/10)	Quarterly Grab	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 (if irrigating from Black Creek)	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[1, 2] 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[1, 2] 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[1, 2] 61--0.3 miles WSW West parking lot near RR tracks[2] 65--0.3 miles WNW Northwest of the 24P-ISFSI[2]	Quarterly	Not Applicable	TLD Reading Gamma Dose

*Control Station
1 Required for monitoring of the 7P-ISFSI
2 Required for monitoring of the 24P-ISFSI

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 1,477 samples were collected from indicator and control locations and 1,611 analyses and measurements were made during 2010. Detectable radioactivity resulting from plant operation was found in 35 out of 36 indicator samples of surface water (Table 4). Only the tritium activity measured in the surface water of Lake Robinson and in fish samples constituted a 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 a child) from the evaporation of tritium in Lake Robinson and consumption of fish in Lake Robinson is 0.235 millirem per year.

1. A statistical summary of all the data gathered in 2010 has been compiled in Table 3.

2. Radioactivity in environmental samples attributed to plant operations in 2010, 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 2010 were less than reporting levels as defined in HBRSEP ODCM. Table 5 summarizes the reporting levels.

4. Environmental sampling and analyses performed during 2010 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	8.0 miles N, Black Creek at US Highway 1 (Location 41)
Bottom Sediment and Aquatic Vegetation	7.2 miles NNW, Black Creek (upstream,) (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 2010

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]		
Air Cartridge (pCi/m^3)	I-131 520[3]	5.1E-2	All less than LLD	----------	----------	All less than LLD	0
Air Particulate (pCi/m^3)	Gross Beta 520[3]	2.6E-3	2.42E-2 (468/468) 1.02E-2 - 4.91E-2	Microwave Tower 0.5 miles N	2.65E-2 (52/52) 1.57E-2 - 4.91E-2	2.62E-2 (52/52) 1.59E-2 - 4.53E-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	2.8E-2	5.90E-1 (1/3) Single value	Site varies within Lake Robinson	5.90E-1 (1/1) Single value	All less than LLD	0
	Co-60	2.6E-2	5.40E-2 (1/3) Single value	Site varies within Lake Robinson	5.40E-2 (1/1) Single value	All less than LLD	0
	Cs-137	3.0E-2	1.40E-2 (2/3) 1.25E-2 – 1.54E-2	Site varies within Prestwood Lake	1.54E-2 (1/1) Single value	2.50E-2 (1/1) Single value	0
Broadleaf Vegetation (pCi/g, wet)	Gamma 90[3][4] Cs-137	4.4E-2	5.19E-2 (31/72) 1.56E-2 – 1.32E-1	Close to Site Boundary SSW	8.02E-2 (6/18) 1.83E-2 – 1.32E-1	3.38E-2 (8/18) 1.84E-2 – 5.31E-2	0
Fish Free-Swimmer (pCi/g, wet)	Gamma 6 K-40	6.2E-1	3.84E+0 (4/4) 3.31E+0 – 4.43E+0	Site varies within Lake Robinson	4.09E+0 (2/2) 3.75E+0 – 4.43E+0	3.25E+0 (2/2) 3.23E+0 – 3.27E+0	0
	Cs-137	8.8E-2	3.51E-2 (4/4) 2.02E-2 – 4.54E-2	Site varies within Prestwood Lake	4.22E-2 (2/2) 3.89E-2 – 4.54E-2	6.16E-2 (2/2) 5.24E-2 – 7.07E-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 2010

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]		
Fish Bottom-Feeder (pCi/g, wet)	Gamma 6 K-40	6.2E-1	3.51E+0 (4/4) 2.27E+0 – 4.52E+0	Site varies within Prestwood Lake	3.63E+0 (2/2) 3.45E+0 – 3.82E+0	4.25E+0 (2/2) 4.21E+0 – 4.29E+0	0
	Cs-137	8.8E-2	4.28E-2 (3/4) 3.63E-2 – 4.53E-2	Site varies within Lake Robinson	4.47E-2 (1/2) Single value	7.28E-2 (1/2) Single value	0
Food Products (pCi/g, wet)	Gamma 4[3] K-40	3.2E-1	3.87E+0 (2/2) 3.68E+0 – 4.06E+0	Site varies from Plant	3.87E+0 (2/2) 3.68E+0 – 4.06E+0	3.62E+0 (2/2) 2.78E+0 – 4.45E+0	0
	Cs-137	4.4E-2	All less than LLD	----------	----------	All less than LLD	0
Ground Water (pCi/l)	Gamma 62[3]	See Table 6	All less than LLD	----------	----------	No control	0
	I-131 4	6.3E-1	All less than LLD	----------	----------	No control	0
	Tritium 62[3]	2.20E+2[7]	7.10E+2 (45/62) 2.05E+2 – 2.55E+3	TS-08C E of Dirt Rd. to Met Tower Station 0.97 miles NNW	1.69E+3 (4/4) 1.15E+3 – 2.55E+3	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 2010

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	1.1E-1	1.27E-1 (2/3) 6.73E-2 – 1.86E-1	Site varies within Lake Robinson	1.86E-1 (1/1) Single value	All less than LLD	0
	Cs-137	8.7E-2	6.27E-1 (2/3) 4.51E-1 – 8.02E-1	Site varies within Lake Robinson	8.02E-1 (1/1) Single value	1.30E-1 (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 2010

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]		
Surface Water (pCi/l)	Gamma 48	See Table 6	All less than LLD	----------	----------	All less than LLD	0
	Tritium 48	2.20E+2[7]	2.29E+3 (35/36) 6.89E+2 – 4.02E+3	Black Creek at Old Camden Rd. 0.6 miles ESE	2.55E+3 (12/12) 1.02E+3 – 4.02E+3	All less than LLD	0
	I-131 20	8.6E-1	All less than LLD	----------	----------	All less than LLD	0
TLD (mR/qtr)[6]	TLD 169[3]	N/A	1.36E+1 (165/165) 9.00E+0 - 2.01E+1	Pine Cone Rd. 5.0 miles WSW	1.91E+1 (4/4) 1.85E+1 - 2.01E+1	1.24E+1 (4/4) 1.16E+1 - 1.29E+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. The tritium LLD was lowered to approximately 2.20E+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	2.55E+3 (pCi/L) (12/12)	0.006 millirem/yr - child (from fish)
Surface Water	H-3	2.55E+3 (pCi/L) (12/12)	0.229 millirem/yr - child (Evaporation from Lake Robinson)

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	2E+04[a]	----	----	----	----
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[b]	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	----

[a]For drinking water samples. This is a 40 CFR Part 141 value. If no drinking water pathway exists, a value of 30,000 pCi/L may be used.

[b]If no drinking water pathway exists, a value of 20 pCi/L may be used.

INTERPRETATIONS AND CONCLUSIONS

Air Sampling

Air samples collected during 2010 had a mean gross beta activity of 2.42E-2 pCi/m^3 for the indicator stations versus an average concentration of 2.62E-2 pCi/m^3 for the control stations. These data are essentially unchanged from 2009 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 6 through 14 provide a graphic representation of the gross beta activity at the indicator locations compared to the control location for 2010. 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 99.85% of the 2010 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 468 air cartridge (AC) samples from the indicator stations and 52 air cartridges from the control location in 2010.

Broadleaf Vegetation

Broadleaf vegetation sampling is accomplished by collecting cherry, sassafras, and wax myrtle leaves in 2010. Three species of samples, when available, are collected monthly at five locations (one control and four 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 2010, 31 of 72 samples taken from the indicator sites demonstrated detectable concentrations of Cs-137 for an average value of 5.19E-2 pCi/g (wet). The control samples had detectable concentrations of Cs-137 in 8 of 18 samples with a mean concentration of 3.38E-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 2010, 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 4.28E-2 pCi/g (wet) and 3.51E-2 pCi/g (wet), respectively. The control samples had detectable concentrations of Cs-137 for 1 out of 2 bottom-feeding fish and 2 out of 2 free-swimming fish for an average concentration of 7.28E-2 pCi/g (wet) and 6.16E-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 was detected in the sixty-two (62) samples of ground water collected in 2010. The ground water samples had detectable concentrations of tritium activity in forty-five (45) out of sixty-two (62) samples, for an average concentration of 7.10E+2 pCi/L; with a range of 2.05E+2 pCi/L to 2.55E+3 pCi/L. During 2010, four (4) ground water samples were analyzed for I-131 to the Drinking water levels (<1 pCi/L). No detectable concentrations of I-131 activity were detected in the four samples.

Sample point #82 was added to Revision 32 of the ODCM in 12/10. The sampling data for that well will be added to the 2010 Annual Effluent Report, since the sampling was accomplished prior to being included in the ODCM.

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 calculate dose to an individual via the vegetation-milk-man pathway. The only radionuclide detected was Cesium-137 at approximately the same concentration and frequency of detection as the control location samples.

Food Products

During 2010, food product samples (collards and tomatoes) were obtained from the control location (FP-49) and from the indicator location (FP-58). No gamma activity associated with plant operation was detected in any control or indicator samples.

Shoreline Sediment

In 2010, 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 2010.

Bottom Sediment

The bottom sediment samples are used as indicators of buildup of radioactivity in the environment and do not constitute a dose pathway. Cs-137 activity was detectable in two of the three indicator bottom sediment samples in 2010, with an average concentration of 6.27E-1 pCi/g (dry). The control sample indicated detectable Cs-137 activity with a concentration of 1.30E-1 pCi/g (dry). Cobalt-60 (Co-60) activity was detectable in two of the three indicator samples with an average concentration of 1.27E-1 pCi/g (dry). The Co-60 in the bottom sediment is attributed to plant operation. This concentration is similar to previous years and does not indicate a buildup in the environment. No other gamma activity, except for naturally occurring gamma activity, was detected in the annual bottom sediment samples in 2010.

Aquatic Vegetation

The aquatic vegetation samples are considered to be sensitive environmental indicators used as long term trending and do not constitute a dose pathway. In 2010, 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 to the public. Cobalt (Co)-58 activity was detectable in one of three indicator samples with a single concentration of 5.90E-1 pCi/g (wet) in 2010. Cobalt (Co)-60 activity was detected in 2010 in one out of three indicator samples with a single concentration of 5.40E-2 pCi/g(wet). Cesium (Cs)-137 activity was also detectable in two out of three indicator samples and the control sample with an average indicator value of 1.40E-2 pCi/g (wet) and the control value of 2.50E-2 pCi/g (wet). The Co-58 and Co-60 in the aquatic vegetation are attributed to plant operation. The Cs-137 in both the control and indicator samples appears to be fallout Cs-137 contamination. This concentration is similar to previous years and does not indicate unexpected levels in the environment.

Surface Water

Surface waters of Lake Robinson indicated the presence of tritium which is attributed to plant operation. This tritium activity is cyclic and follows the Robinson Plant fuel cycle. Figure 15 displays the tritium activity throughout 2010. 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 and evaporation of tritium from Lake Robinson and its subsequent inhalation and ingestion from vegetable gardens and meat producing animals. Using the methodology of Regulatory Guide 1.109, a dose of 0.229 millirem/year to the maximum exposed individual could be assigned to this pathway.

The monthly composite gamma analyses for surface water samples revealed no radionuclides typical of plant effluents. Ten surface water samples were analyzed for I-131 to the required drinking water LLD (<1.0 pCi/L) per the HBRSEP ODCM Revision 30 in 2010 until the HBRSEP ODCM Revision 31 (effective 5/10/10) changed the 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 16.

Asiatic Clams

Benthic samples from Lake Robinson during 2010 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 2010.

Missed Samples:

- None for 2010

Missed Surveillances:

- APAC-02, July 19 – Total down time was 134.4 hours. The air sampler was found not running and the fuse was replaced (NCR # 410871).
- APAC-05, November 20 – The air sampler filter (AP-5) had slipped to one side of the filter holder allowing less than a normal sample volume to be collected on the particulate filter (AP-5). The air particulate sample was still counted (NCR # 436205).

Broadleaf Vegetation

Broadleaf vegetation (BL) samples were not available during the months of January, February, March, April, November, and December of 2010 due to the seasonal nature of broadleaf vegetation (NCR # 375542, 381472, 388942, 394866, 435071, and 439586).

Ground water

GW-74, Well P-08-ASH (2nd Quarter 2010)

When collecting the quarterly ground water samples for second quarter 2010, GW-74 was not obtainable because the well was dry (NCR # 400310).

GW-74, Well P-08-ASH (4th Quarter 2010)

When collecting the quarterly ground water samples for fourth quarter 2010, GW-74 was not obtainable because the well was dry (NCR # 435780).

Thermoluminescent Dosimeters (TLDs)

Three out of the possible 172 TLD samples were missing during 2010.

Second Quarter – TLD # 31 was missing in the field (NCR # 409783).

Fourth Quarter – TLD # 31 had an improper change out of this TLD in the field. The fourth quarter 2010 TLD was left in the field while the first quarter 2011 TLD was returned for analysis (NCR # 445416).

Fourth Quarter – TLD # 39 was missing in the field (NCR # 443122).

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 2.6E-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 400 minutes. The lower LLD (approximately 2.20E+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 5.1E-2 pCi/m^3.

Iodine-131 in ground water and surface water is determined by an instrumental method. Analysis involves passing 4 liters of sample over an anion exchange resin and direct gamma analysis of the resin with an intrinsic Ge detector. The LLD using the Ge detector is approximately 1.0E+0 pCi/L using 40,000-second count time.

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 APEX 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 (1st Quarter 2010) and 900 seconds each quarter thereafter.

Liquid samples are transferred to Marinelli beakers and analyzed by gamma counting. One-liter ground water samples are gamma scanned directly in a 1-Liter Marinelli beaker for 14,000 seconds and the surface water samples for 73,000 seconds.

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 as sampled (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 1,500 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 2010, 88 average analyses were completed on 21 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 88 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 (see below results).

All of the 88 average analyses were within the acceptance criteria. During 2010, individual measurements were evaluated and results falling outside the acceptable ratio criteria had an evaluation performed to identify any recommended remedial actions and to reduce anomalous errors (NCR # 400312 and 419981). Complete documentation of any evaluation will be available and provided to the NRC upon request.

Environmental Cross Check Performance Summary for 4Q 2009 and 2010

Sample	Nuclide	Quarter	Units	HEEC Value	EZA Value	HEEC/EZA Ratio	Evaluation
Gross beta water 4th Qtr '09 E6944-668 1st Qtr E7007-668 3rd Qtr E7212-668 4th Qtr E7368-668	Gross beta	4th'09	pCi/L	284	258	1.10	Agreement
		1st	pCi/L	271	260	1.04	Agreement
		3rd	pCi/L	231	218	1.06	Agreement
		4th	pCi/L	261	251	1.04	Agreement
Gross beta filter 4th Qtr '09 E6943-668 2nd Qtr E7146-668 4th Qtr E7367-668	Gross beta	4th'09	pCi	116.0	107.0	1.08	Agreement
		2nd	pCi	83.0	80.4	1.03	Agreement
		4th	pCi	73.0	71.2	1.03	Agreement
Tritium in water 4th Qtr '09 E6942-668 1st Qtr E7006-668 4th Qtr E7366-668	H-3	4th'09	pCi/L	13800	14000	0.99	Agreement
		1st	pCi/L	11700	12000	0.97	Agreement
		4th	pCi/L	9180	9960	0.92	Agreement
Iodine Cartridge 4th Qtr '09 E6945-668 2nd Qtr E7145-668 4th Qtr E7369-668	I-131	4th'09	pCi	93.5	93.8	1.00	Agreement
		2nd	pCi	78.0	80.1	0.97	Agreement
		4th	pCi	83.1	84.2	0.99	Agreement
Gamma Milk E7008-668	I-131	1st	pCi/L	75.0	74.0	1.01	Agreement
	Ce-141	1st	pCi/L	273	261	1.04	Agreement
	Cr-51	1st	pCi/L	389	361	1.08	Agreement
	Cs-134	1st	pCi/L	176	178	0.99	Agreement
	Cs-137	1st	pCi/L	172	158	1.09	Agreement
	Co-58	1st	pCi/L	148	143	1.04	Agreement
	Mn-54	1st	pCi/L	229	207	1.10	Agreement
	Fe-59	1st	pCi/L	157	137	1.15	Agreement
	Zn-65	1st	pCi/L	285	254	1.12	Agreement
	Co-60	1st	pCi/L	194	183	1.06	Agreement
Gamma Soil E7009-668	Ce-141	1st	pCi/g	0.479	0.452	1.06	Agreement
	Cr-51	1st	pCi/g	0.645	0.624	1.03	Agreement
	Cs-134	1st	pCi/g	0.301	0.307	0.98	Agreement
	Cs-137	1st	pCi/g	0.391	0.364	1.07	Agreement
	Co-58	1st	pCi/g	0.254	0.247	1.03	Agreement
	Mn-54	1st	pCi/g	0.378	0.358	1.06	Agreement
	Fe-59	1st	pCi/g	0.262	0.237	1.11	Agreement
	Zn-65	1st	pCi/g	0.477	0.439	1.09	Agreement
	Co-60	1st	pCi/g	0.326	0.317	1.03	Agreement
Gamma Vegetation E7213-668	Ce-141	3rd	pCi/g	0.468	0.479	0.98	Agreement
	Cr-51	3rd	pCi/g	0.853	0.859	0.99	Agreement
	Cs-134	3rd	pCi/g	0.310	0.342	0.91	Agreement
	Cs-137	3rd	pCi/g	0.360	0.347	1.04	Agreement
	Co-58	3rd	pCi/g	0.269	0.271	0.99	Agreement
	Mn-54	3rd	pCi/g	0.454	0.439	1.03	Agreement
	Fe-59	3rd	pCi/g	0.373	0.335	1.11	Agreement
	Zn-65	3rd	pCi/g	0.793	0.749	1.06	Agreement
	Co-60	3rd	pCi/g	0.637	0.628	1.01	Agreement

Environmental Cross Check Performance Summary for 4Q 2009 and 2010

Sample	Nuclide	Quarter	Units	HEEC Value	EZA Value	HEEC/EZA Ratio	Evaluation
Gamma Filter 2nd Qtr E7143-668 3rd Qtr E7214-668	Ce-141	2nd	pCi	103	103	1.00	Agreement
		3rd	pCi	124	121	1.02	Agreement
	Cr-51	2nd	pCi	315	317	0.99	Agreement
		3rd	pCi	221	217	1.02	Agreement
	Cs-134	2nd	pCi	112	118	0.95	Agreement
		3rd	pCi	94.0	86.5	1.09	Agreement
	Cs-137	2nd	pCi	146	140	1.04	Agreement
		3rd	pCi	94.0	87.9	1.07	Agreement
	Co-58	2nd	pCi	96.0	94.6	1.01	Agreement
		3rd	pCi	71.0	68.5	1.04	Agreement
	Mn-54	2nd	pCi	172	158	1.09	Agreement
		3rd	pCi	123	111	1.11	Agreement
	Fe-59	2nd	pCi	129	111	1.16	Agreement
		3rd	pCi	103	84.8	1.21	Agreement
	Zn-65	2nd	pCi	227	192	1.18	Agreement
		3rd	pCi	226	190	1.19	Agreement
	Co-60	2nd	pCi	187	184	1.02	Agreement
		3rd	pCi	166	159	1.05	Agreement
Gamma 13 Filter Composite E7144-668	Ce-141	2nd	pCi	85.0	83.5	1.02	Agreement
	Cr-51	2nd	pCi	273	257	1.06	Agreement
	Cs-134	2nd	pCi	98.0	95.2	1.03	Agreement
	Cs-137	2nd	pCi	123	114	1.08	Agreement
	Co-58	2nd	pCi	80.0	76.6	1.04	Agreement
	Mn-54	2nd	pCi	143	128	1.12	Agreement
	Fe-59	2nd	pCi	105	89.9	1.17	Agreement
	Zn-65	2nd	pCi	185	156	1.19	Agreement
	Co-60	2nd	pCi	157	149	1.06	Agreement

Environmental Cross Check Performance Summary for 4Q 2009 and 2010

Sample	Nuclide	Quarter	Units	HEEC Value	EZA Value	HEEC/EZA Ratio	Evaluation
Gamma Water 2nd Qtr E7142-668 3rd Qtr E7211-668	I-131	2nd	pCi/L	80.0	78.9	1.01	Agreement
		3rd	pCi/L	66.0	64.4	1.02	Agreement
	Ce-141	2nd	pCi/L	169	161	1.05	Agreement
		3rd	pCi/L	171	165	1.03	Agreement
	Cr-51	2nd	pCi/L	540	494	1.09	Agreement
		3rd	pCi/L	302	297	1.02	Agreement
	Cs-134	2nd	pCi/L	180	183	0.98	Agreement
		3rd	pCi/L	109	118	0.92	Agreement
	Cs-137	2nd	pCi/L	242	218	1.11	Agreement
		3rd	pCi/L	131	120	1.09	Agreement
	Co-58	2nd	pCi/L	160	147	1.09	Agreement
		3rd	pCi/L	95.0	93.5	1.02	Agreement
	Mn-54	2nd	pCi/L	276	246	1.12	Agreement
		3rd	pCi/L	163	152	1.07	Agreement
	Fe-59	2nd	pCi/L	210	173	1.21	Agreement
		3rd	pCi/L	127	116	1.10	Agreement
	Zn-65	2nd	pCi/L	338	300	1.13	Agreement
		3rd	pCi/L	279	259	1.08	Agreement
	Co-60	2nd	pCi/L	309	286	1.08	Agreement
		3rd	pCi/L	227	217	1.05	Agreement

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 / 8
Co-58	4 / 8
Fe-59	8 / 21
Co-60	4 / 9
Zn-65	6 / 18
Zr-Nb-95	6 - 4 / 14.7 - 11
I-131	14.1 / 14.8
Cs-134	4 / 11
Cs-137	3 / 8
Ba-La-140	28 - 13 / 44 - 13
Air Cartridges (Weekly)	
Isotope	**LLD (pCi/m^3)**
I-131	0.051
Air Particulates (Quarterly Composite)	
Isotope	**LLD (pCi/m^3)**
Cs-134	3.1E-3
Cs-137	2.2E-3

Table 6 (cont.)

Sediments (Shoreline or Bottom)	
Isotope	**LLD (pCi/kg, dry)**
Cs-134	117
Cs-137	87
Fish	
Isotope	**LLD (pCi/kg, wet)**
Mn-54	71
Co-58	84
Fe-59	225
Co-60	74
Zn-65	172
Cs-134	92
Cs-137	88
Food Products and Vegetation / Aquatic	
Isotope	**LLD (pCi/kg, wet)**
I-131	51 / 52
Cs-134	45 / 38
Cs-137	44 / 30

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 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 to ensure the monitoring program is current, as well as to 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.

Land Use Census Results

The HBRSEP (RNP) Land Use Census was performed June 2010 to meet the requirements of the HBRSEP's ODCM. The last HBRSEP land use census was performed in June 2009. The 2010 and 2009 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 the 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, 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. The results of the 2010 Land Use Census and 10 year average meteorological data were reviewed. No changes that require an ODCM change, additional dose calculations, or procedure changes were identified.

TABLE 7

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

LAND USE CENSUS COMPARISONS (2009-2010)
NEAREST PATHWAY (MILES)

SECTOR	RESIDENT		GARDEN		MEAT/ EGG		MILK	
	2010	2009	2010	2009	2010	2009	2010	2009
N	2.81	2.81	3.31	3.31	----*	3.31	---	---
NNE	1.51	1.51	2.64	2.64	2.59*	2.75	---	---
NE	1.03	1.03	2.74*	2.45	----	----	---	---
ENE	0.83	0.83	3.80*	1.06	2.44	2.44	---	---
E	0.90	0.90	1.05	1.05	2.98	2.98	---	---
ESE	0.62	0.62	1.28	1.28	0.70	0.70	---	---
SE	0.38	0.38	1.20*	1.64	2.00	2.00	---	---
SSE	0.33	0.33	2.37	2.37	2.37	2.37	---	---
S	0.40	0.40	2.25	2.25	2.62	2.62	---	---
SSW	0.37	0.37	0.84	0.84	0.84	0.84	---	---
SW	0.46	0.46	0.79*	1.02	3.54	3.54	---	---
WSW	0.45	0.45	0.60	0.60	3.46	3.46	---	---
W	0.54	0.54	0.70*	2.82	0.84	0.84	---	---
WNW	0.60	0.60	0.70	0.70	4.27	4.27	---	---
NW	1.59	1.59	2.43	2.43	2.09	2.09	---	---
NNW	2.04	2.04	3.80*	3.53	2.36	2.36	---	---

*Changes or new locations from 2009.

**Changes in mileage due to GPS readings.

Figure 6 For HBRSEP from 1/1/2010 To 12/31/2010
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)

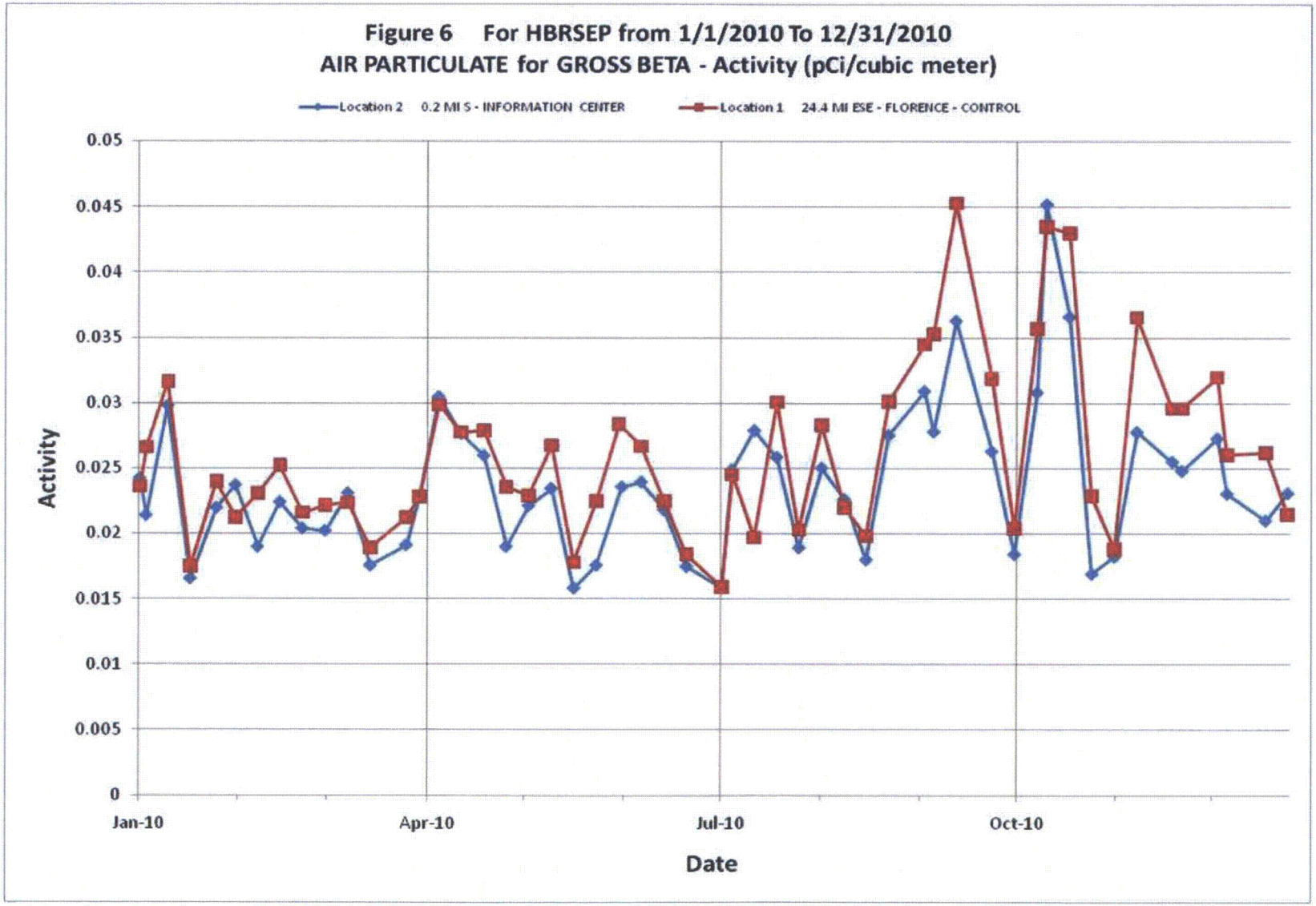


Figure 7 For HBRSEP from 1/1/2010 To 12/31/2010
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)

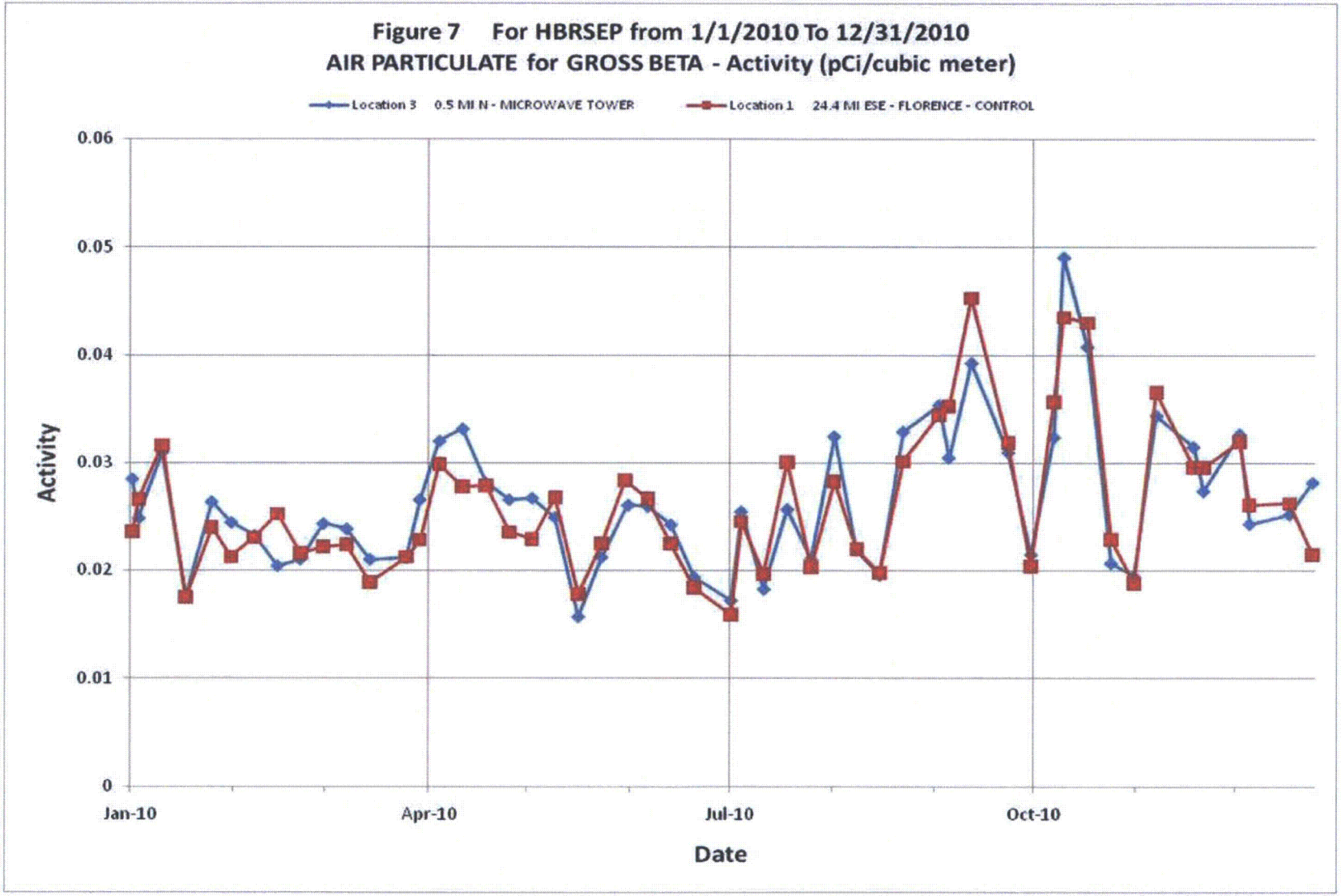


Figure 8 For HBRSEP from 1/1/2010 To 12/31/2010
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)

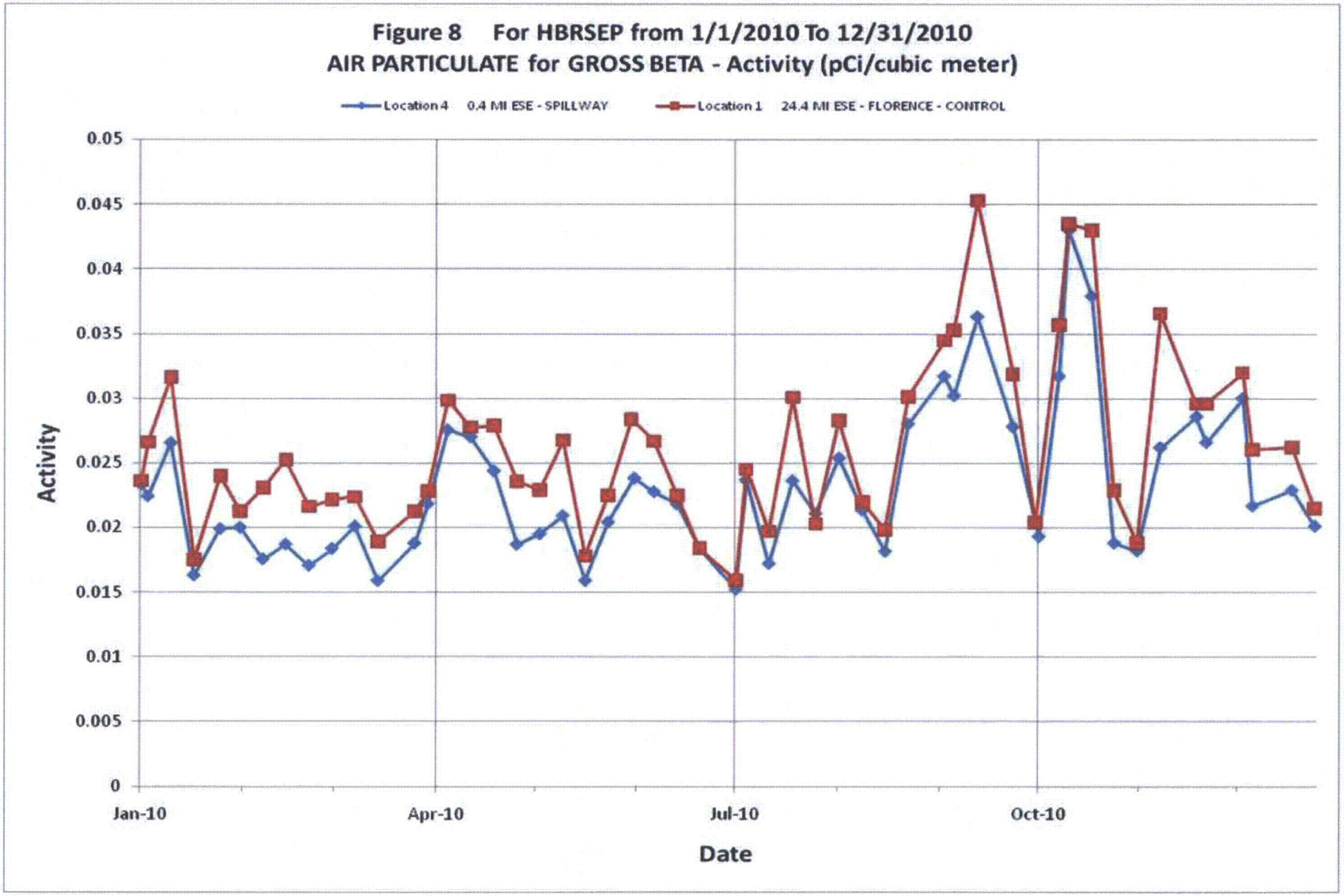


Figure 9 For HBRSEP from 1/1/2010 To 12/31/2010
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)

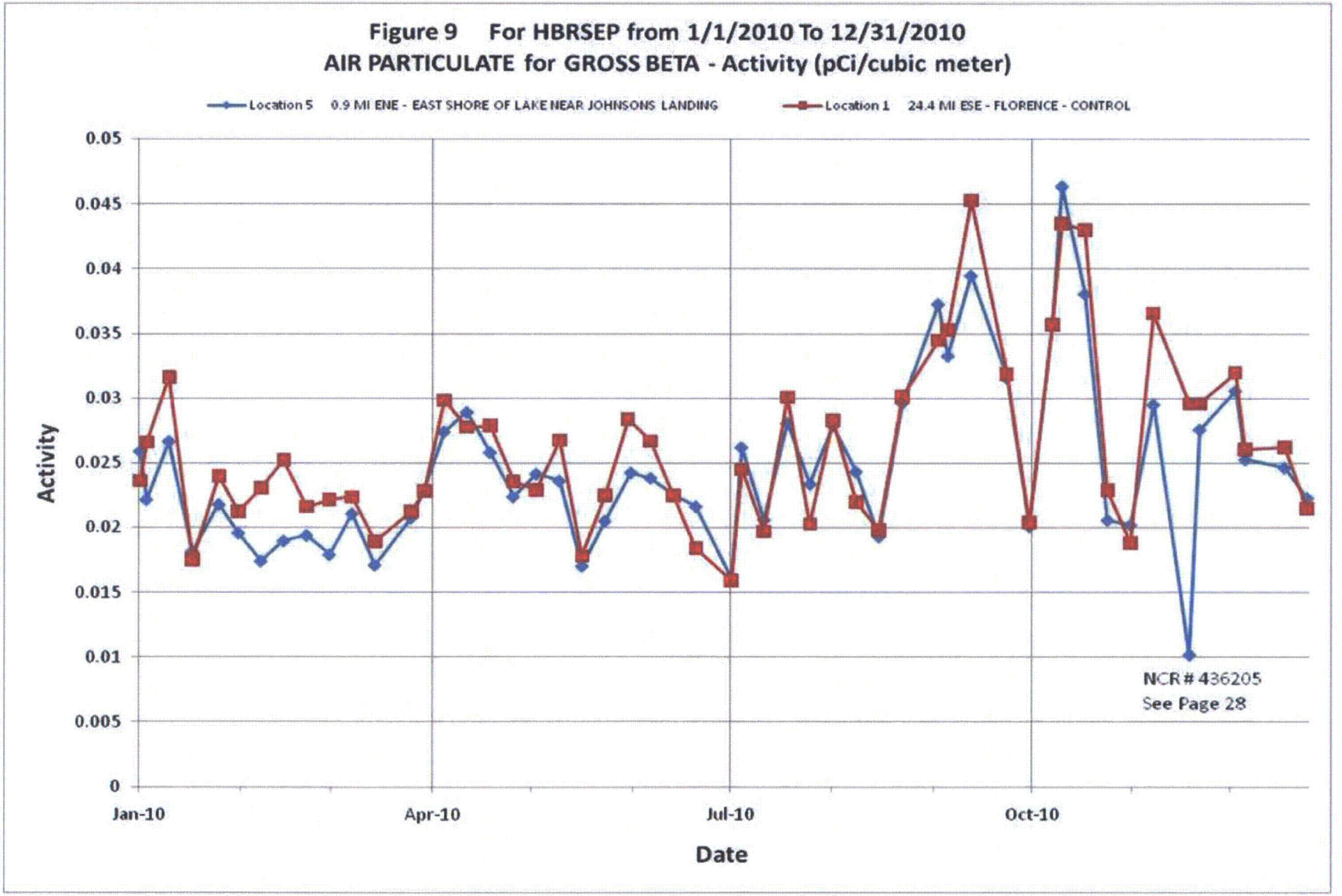


Figure 10 For HBRSEP from 1/1/2010 To 12/31/2010
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)

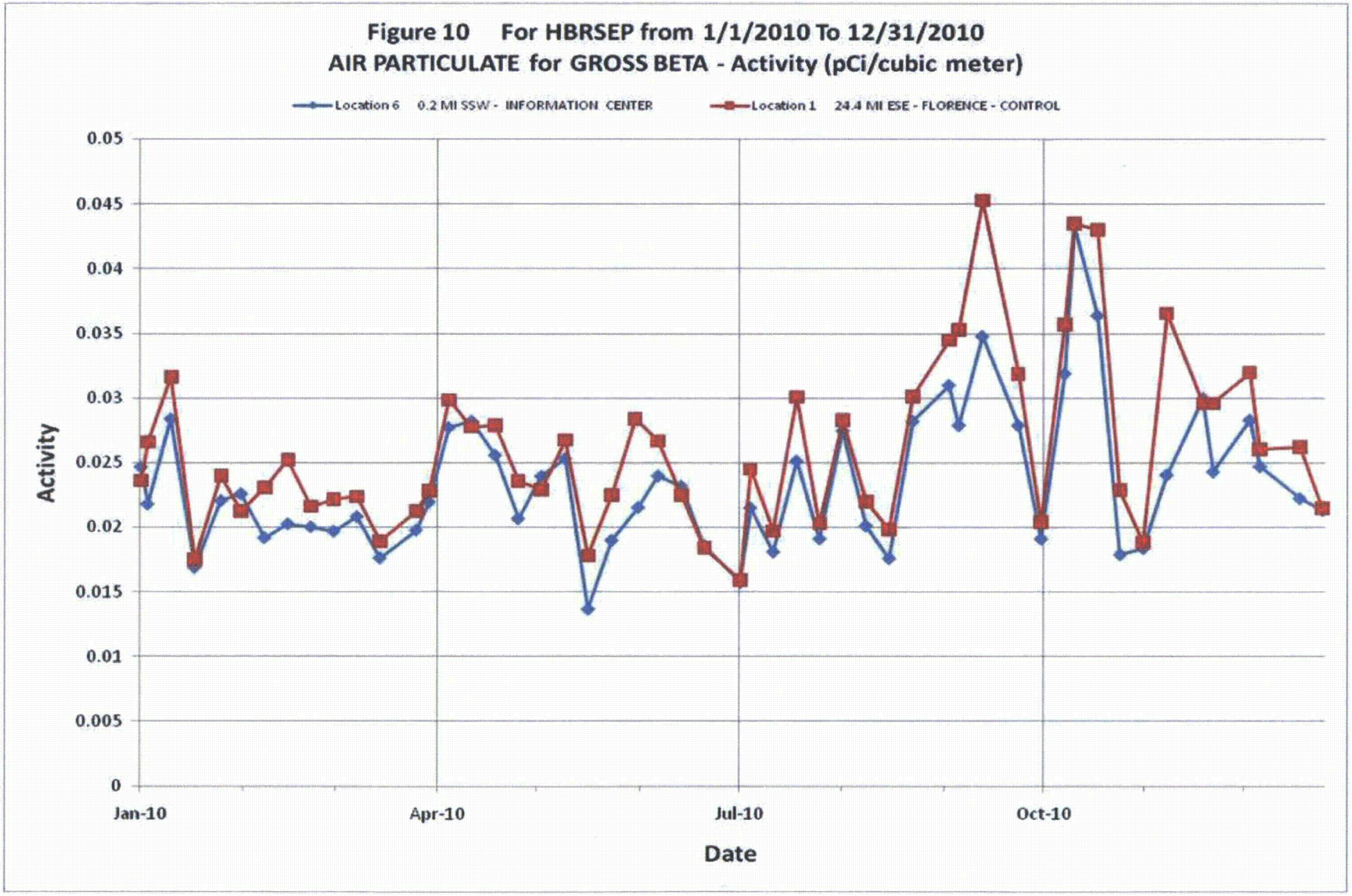


Figure 11 For HBRSEP from 1/1/2010 To 12/31/2010
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)

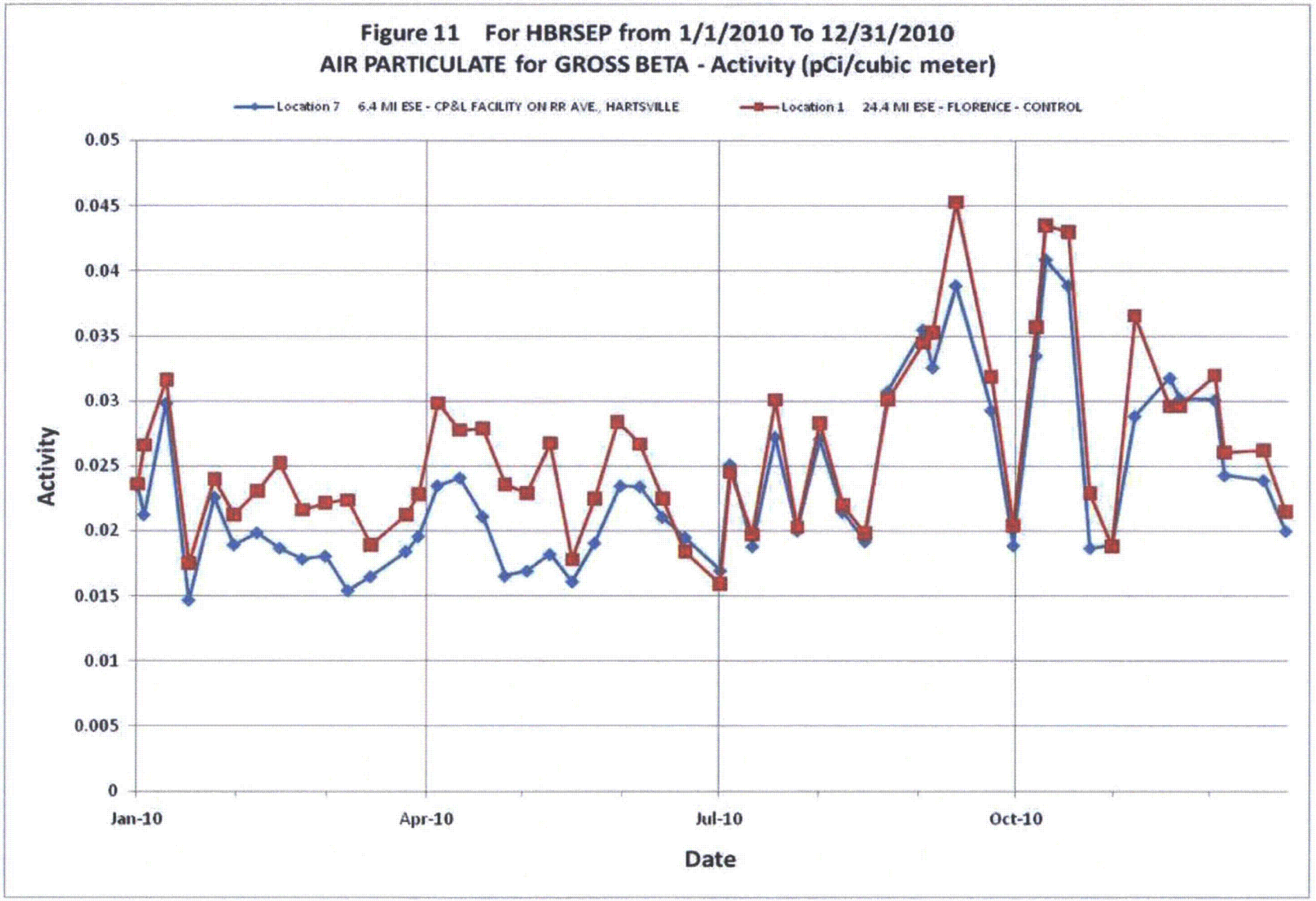


Figure 12 For HBRSEP from 1/1/2010 To 12/31/2010
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)

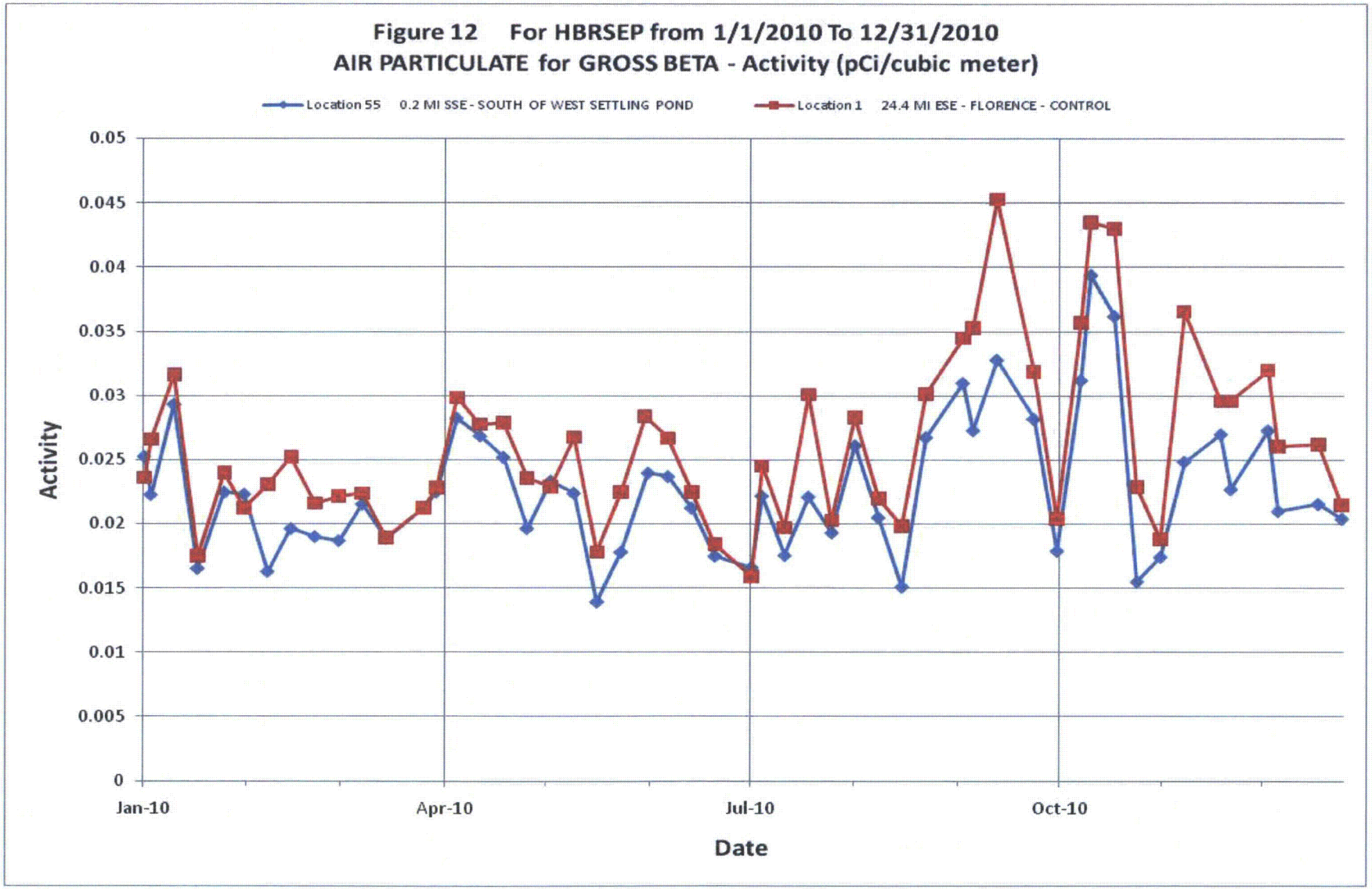


Figure 13 For HBRSEP from 1/1/2010 To 12/31/2010
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)

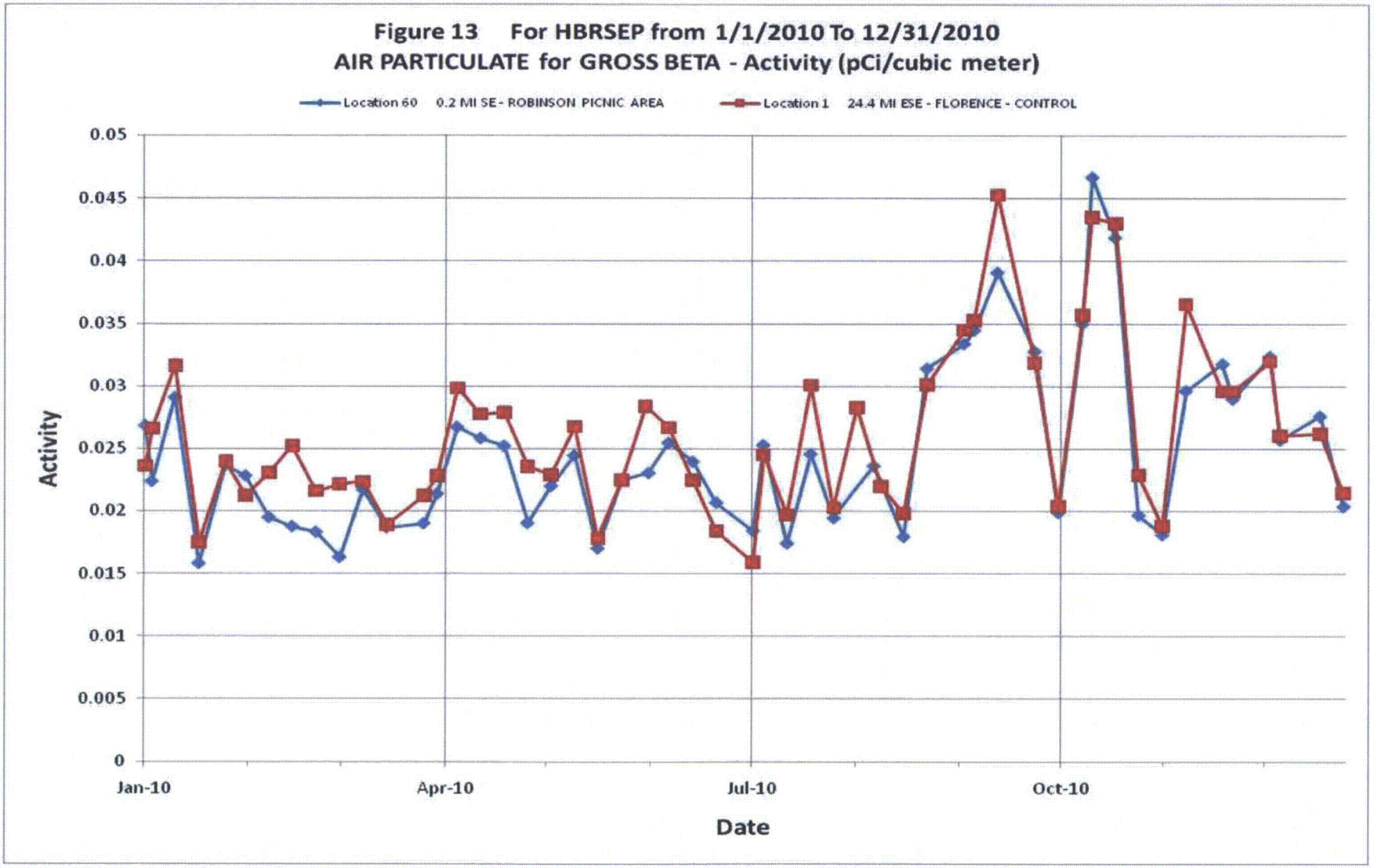


Figure 14 For HBRSEP from 1/1/2010 To 12/31/2010
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)

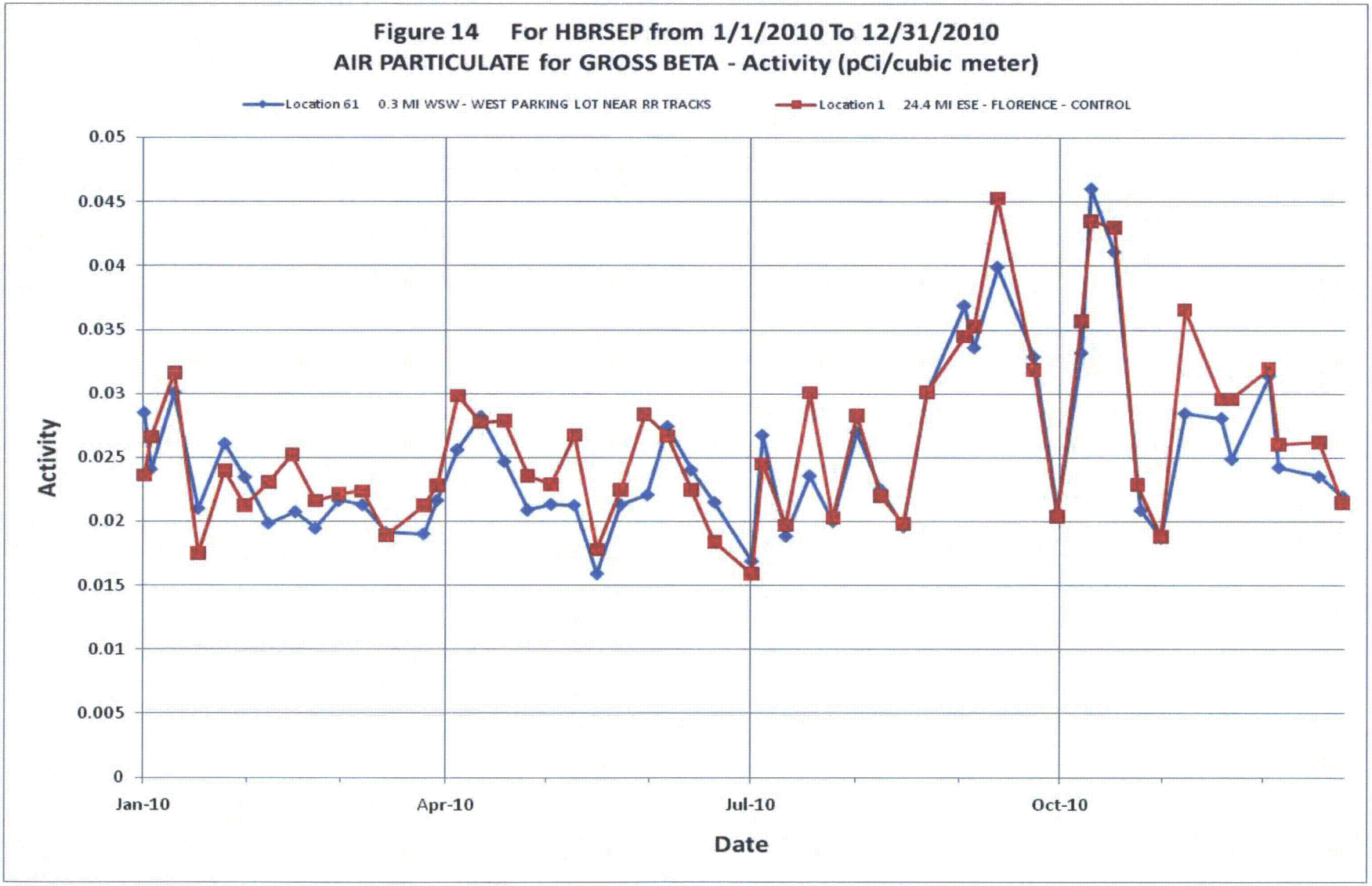


Figure 15 RNP 2010 Surface Water Tritium

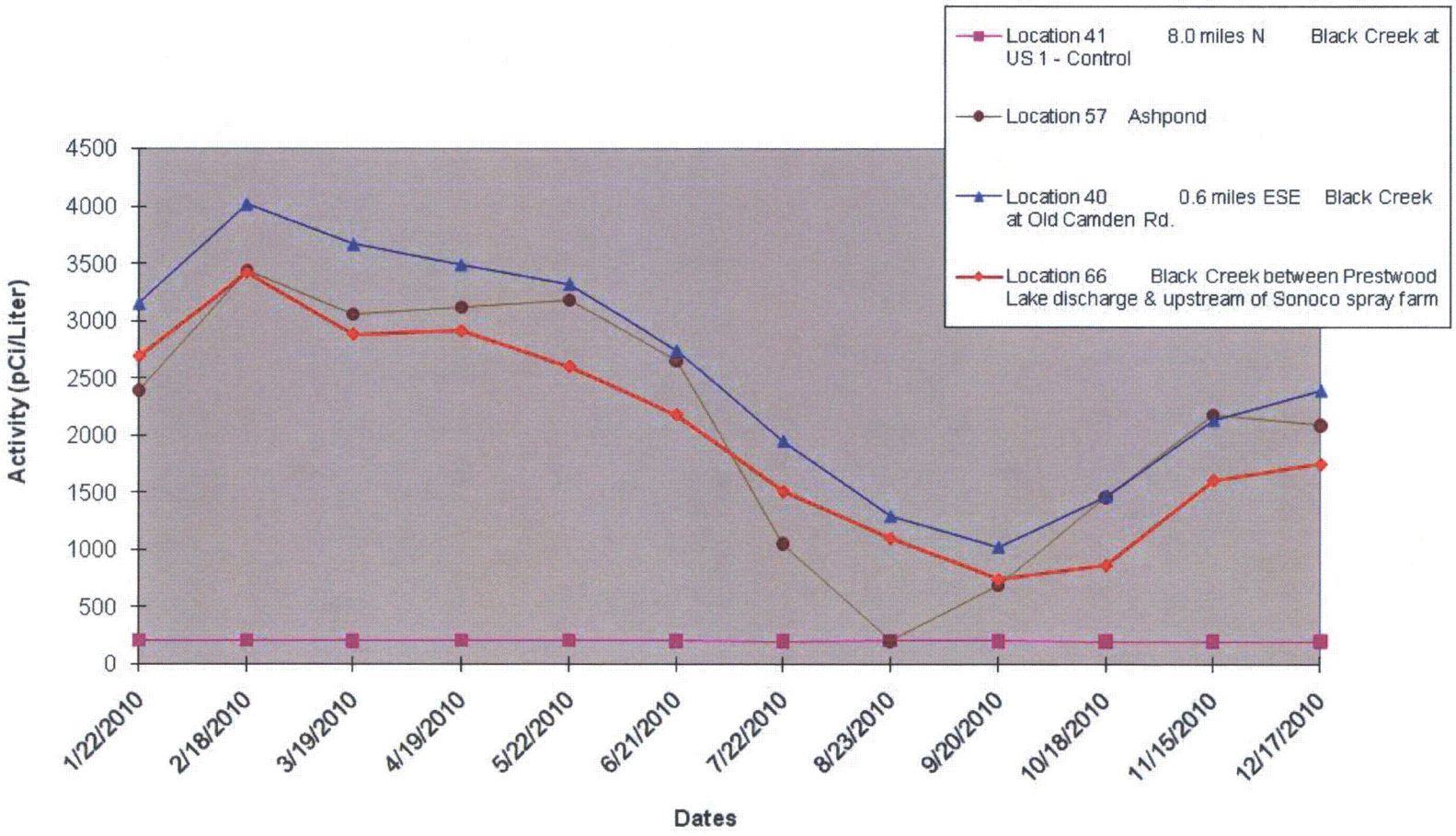
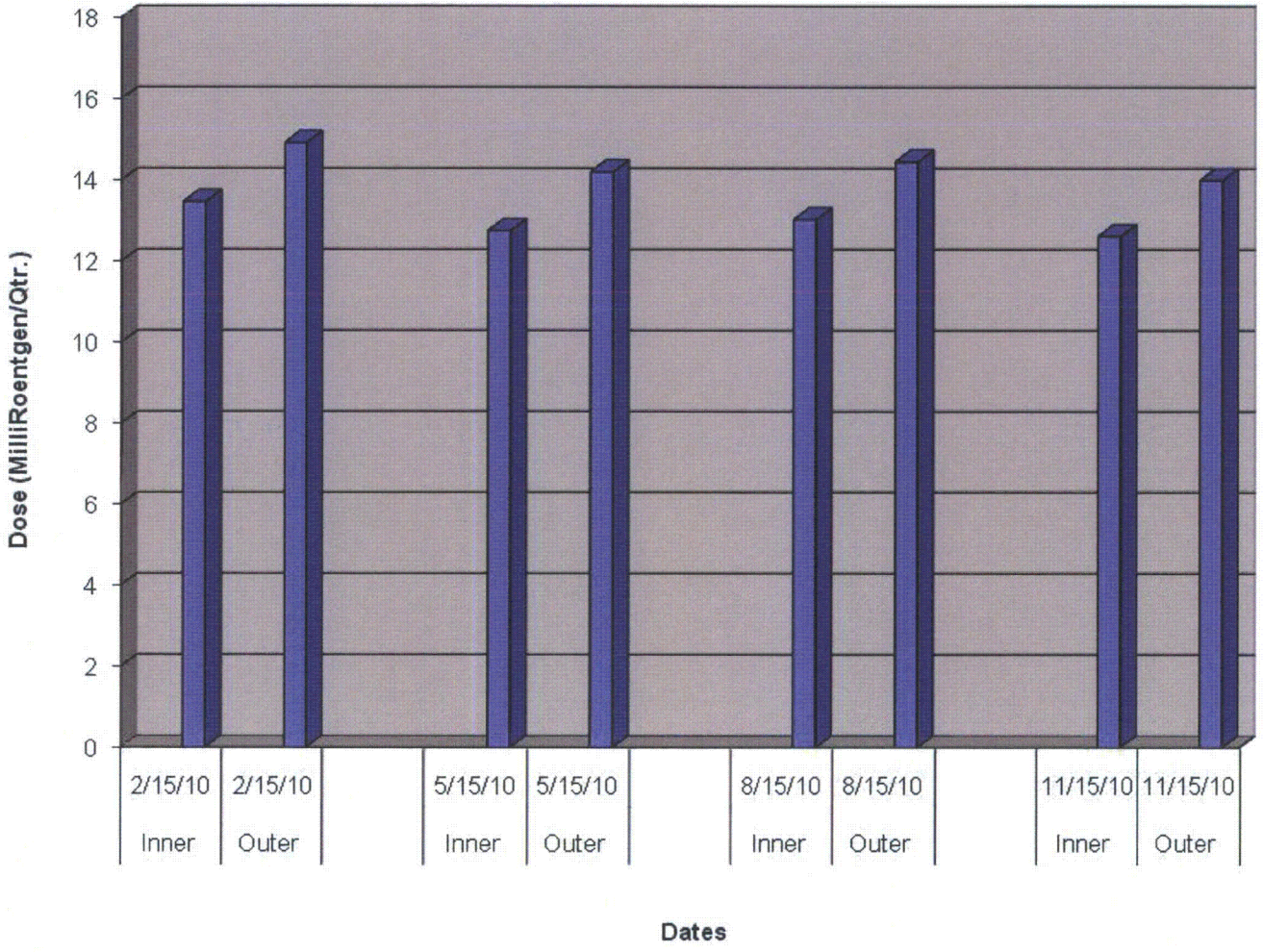


Figure 16 RNP 2010 TLD Averages for Inner and Outer Ring Locations



HBRSEP (RNP)

TLD Report
- 9 pages

Analysis Report
- 49 pages

Gamma Isotopic Report
- 91 pages

2010 HBRSEP (RNP)

Radiological Environmental Monitoring TLD Report

Comments

- All RNP Environmental TLDs were present in 2010, except for the following TLDs:
  - TLD # 31 Second Quarter of 2010
  - TLD # 31 Fourth Quarter of 2010
  - TLD # 39 Fourth Quarter of 2010

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	2/15/2010	12.3	2.6
1	24.4 MI ESE - FLORENCE - CONTROL	5/15/2010	12.9	2.6
1	24.4 MI ESE - FLORENCE - CONTROL	8/15/2010	12.8	2.4
1	24.4 MI ESE - FLORENCE - CONTROL	11/15/2010	11.6	2.3
2	0.2 MI S - INFORMATION CENTER	2/15/2010	12.3	1.6
2	0.2 MI S - INFORMATION CENTER	5/15/2010	11.4	2.8
2	0.2 MI S - INFORMATION CENTER	8/15/2010	11.5	1.5
2	0.2 MI S - INFORMATION CENTER	11/15/2010	11	2.9
3	0.5 MI N - MICROWAVE TOWER	2/15/2010	14	1.6
3	0.5 MI N - MICROWAVE TOWER	5/15/2010	12.9	2.5
3	0.5 MI N - MICROWAVE TOWER	8/15/2010	13.3	1.4
3	0.5 MI N - MICROWAVE TOWER	11/15/2010	13	2.1
4	0.4 MI ESE - SPILLWAY	2/15/2010	9.3	2.1
4	0.4 MI ESE - SPILLWAY	5/15/2010	9.5	2.6
4	0.4 MI ESE - SPILLWAY	8/15/2010	9.6	1.7
4	0.4 MI ESE - SPILLWAY	11/15/2010	9.7	2.3
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSONS LA	2/15/2010	14.3	1.5
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSONS LA	5/15/2010	11.6	2.3
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSONS LA	8/15/2010	13.7	1.7
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSONS LA	11/15/2010	11.4	1.9
6	0.2 MI SSW - INFORMATION CENTER	2/15/2010	12.6	1.5
6	0.2 MI SSW - INFORMATION CENTER	5/15/2010	11.9	3.1

Dose: mR/std. qtr.

TLD	TLD Location Description	Sample Date	Dose	2 Sigma Error
6	0.2 MI SSW - INFORMATION CENTER	8/15/2010	12	1.4
6	0.2 MI SSW - INFORMATION CENTER	11/15/2010	12.2	2.1
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVILLE	2/15/2010	15.1	1.8
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVILLE	5/15/2010	11.8	2.5
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVILLE	8/15/2010	14.9	1.8
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVILLE	11/15/2010	12	2.1
8	0.8 MI SSE - TRANSMISSION RIGHT-OF-WAY	2/15/2010	10.7	2.2
8	0.8 MI SSE - TRANSMISSION RIGHT-OF-WAY	5/15/2010	9.7	2.3
8	0.8 MI SSE - TRANSMISSION RIGHT-OF-WAY	8/15/2010	10.4	2.2
8	0.8 MI SSE - TRANSMISSION RIGHT-OF-WAY	11/15/2010	10.6	2.5
9	1.0 MI S - TRANSMISSION RIGHT-OF-WAY	2/15/2010	11.5	2.2
9	1.0 MI S - TRANSMISSION RIGHT-OF-WAY	5/15/2010	10.4	2.3
9	1.0 MI S - TRANSMISSION RIGHT-OF-WAY	8/15/2010	10.7	1.7
9	1.0 MI S - TRANSMISSION RIGHT-OF-WAY	11/15/2010	10.5	1.9
10	1.0 MI WSW - CLYDE CHURCH OF GOD	2/15/2010	12.2	1.5
10	1.0 MI WSW - CLYDE CHURCH OF GOD	5/15/2010	11.5	2.6
10	1.0 MI WSW - CLYDE CHURCH OF GOD	8/15/2010	12.6	2.1
10	1.0 MI WSW - CLYDE CHURCH OF GOD	11/15/2010	11.1	2.1
11	1.0 MI SW - OLD CAMDEN RD	2/15/2010	10.7	1.6
11	1.0 MI SW - OLD CAMDEN RD	5/15/2010	10.4	2.5
11	1.0 MI SW - OLD CAMDEN RD	8/15/2010	10.7	1.4
11	1.0 MI SW - OLD CAMDEN RD	11/15/2010	10.4	1.9
12	1.2 MI SSW-OFF OF OLD CAMDEN RD	2/15/2010	15.3	4
12	1.2 MI SSW-OFF OF OLD CAMDEN RD	5/15/2010	13.6	2.5

Dose: mR/std. qtr.

TLD	TLD Location Description	Sample Date	Dose	2 Sigma Error
12	1.2 MI SSW-OFF OF OLD CAMDEN RD	8/15/2010	13.9	2.1
12	1.2 MI SSW-OFF OF OLD CAMDEN RD	11/15/2010	14.2	2.3
13	0.7 MI W- CORNER OF SALUDA AND SAMPIT RDS	2/15/2010	13	1.7
13	0.7 MI W- CORNER OF SALUDA AND SAMPIT RDS	5/15/2010	11.4	2.6
13	0.7 MI W- CORNER OF SALUDA AND SAMPIT RDS	8/15/2010	12.2	1.4
13	0.7 MI W- CORNER OF SALUDA AND SAMPIT RDS	11/15/2010	12.1	2.2
14	0.8 MI WNW - FIRST BAPTIST CHURCH OF PINE RIDGE	2/15/2010	15.2	1.9
14	0.8 MI WNW - FIRST BAPTIST CHURCH OF PINE RIDGE	5/15/2010	14.2	2.7
14	0.8 MI WNW - FIRST BAPTIST CHURCH OF PINE RIDGE	8/15/2010	15.2	1.4
14	0.8 MI WNW - FIRST BAPTIST CHURCH OF PINE RIDGE	11/15/2010	14	2.4
15	0.7 MI NW - TRANSMISSION RIGHT-OF-WAY	2/15/2010	12.5	1.8
15	0.7 MI NW - TRANSMISSION RIGHT-OF-WAY	5/15/2010	11.5	2.6
15	0.7 MI NW - TRANSMISSION RIGHT-OF-WAY	8/15/2010	12.1	2.1
15	0.7 MI NW - TRANSMISSION RIGHT-OF-WAY	11/15/2010	11.9	3.2
16	1.0 MI NNW - SOUTH SIDE OF DARLINGTON CO. IC TURBI	2/15/2010	12.1	1.6
16	1.0 MI NNW - SOUTH SIDE OF DARLINGTON CO. IC TURBI	5/15/2010	12.2	2.5
16	1.0 MI NNW - SOUTH SIDE OF DARLINGTON CO. IC TURBI	8/15/2010	12.4	1.6
16	1.0 MI NNW - SOUTH SIDE OF DARLINGTON CO. IC TURBI	11/15/2010	11.2	2.4
17	1.2 MI N - DARLINGTON CO. PLANT EMERGENCY FIRE PU	2/15/2010	15.5	2.5
17	1.2 MI N - DARLINGTON CO. PLANT EMERGENCY FIRE PU	5/15/2010	15.3	2.9
17	1.2 MI N - DARLINGTON CO. PLANT EMERGENCY FIRE PU	8/15/2010	14.7	1.7
17	1.2 MI N - DARLINGTON CO. PLANT EMERGENCY FIRE PU	11/15/2010	15.2	2.4
18	0.7 MI SE - NEAR OLD BLACK CREEK RR TRESTLE	2/15/2010	15.4	2.6
18	0.7 MI SE - NEAR OLD BLACK CREEK RR TRESTLE	5/15/2010	14.4	2.5

Dose: mR/std. qtr.

TLD	TLD Location Description	Sample Date	Dose	2 Sigma Error
18	0.7 MI SE - NEAR OLD BLACK CREEK RR TRESTLE	8/15/2010	13.1	1.8
18	0.7 MI SE - NEAR OLD BLACK CREEK RR TRESTLE	11/15/2010	14.7	2.2
19	1.0 MI E - OLD CAMDEN RD (#S-16-23)	2/15/2010	13.6	2.5
19	1.0 MI E - OLD CAMDEN RD (#S-16-23)	5/15/2010	12.2	2.4
19	1.0 MI E - OLD CAMDEN RD (#S-16-23)	8/15/2010	12.7	1.5
19	1.0 MI E - OLD CAMDEN RD (#S-16-23)	11/15/2010	12	2.1
20	1.0 MI ENE - NEW MARKET RD (#S-16-39)	2/15/2010	14.6	1.7
20	1.0 MI ENE - NEW MARKET RD (#S-16-39)	5/15/2010	13	3.1
20	1.0 MI ENE - NEW MARKET RD (#S-16-39)	8/15/2010	14.2	1.6
20	1.0 MI ENE - NEW MARKET RD (#S-16-39)	11/15/2010	12.6	2.8
21	1.4 MI NE - NEW MARKET RD (#S-16-39)	2/15/2010	13.7	2.1
21	1.4 MI NE - NEW MARKET RD (#S-16-39)	5/15/2010	11.3	2.3
21	1.4 MI NE - NEW MARKET RD (#S-16-39)	8/15/2010	13.6	2
21	1.4 MI NE - NEW MARKET RD (#S-16-39)	11/15/2010	11.1	2.2
22	1.7 MI NNE - SHADY REST ENTRANCE OFF OF CLOVERDA	2/15/2010	11.7	2.5
22	1.7 MI NNE - SHADY REST ENTRANCE OFF OF CLOVERDA	5/15/2010	11.9	2.3
22	1.7 MI NNE - SHADY REST ENTRANCE OFF OF CLOVERDA	8/15/2010	11.3	2
22	1.7 MI NNE - SHADY REST ENTRANCE OFF OF CLOVERDA	11/15/2010	11.9	1.9
23	1.0 MI ESE - NEW MARKET RD (#S-16-39)	2/15/2010	14.2	2.7
23	1.0 MI ESE - NEW MARKET RD (#S-16-39)	5/15/2010	15.3	2.3
23	1.0 MI ESE - NEW MARKET RD (#S-16-39)	8/15/2010	13.9	1.4
23	1.0 MI ESE - NEW MARKET RD (#S-16-39)	11/15/2010	14.5	2.6
24	4.6 MI NW - SOWELL RD (#S-13-711)	2/15/2010	16.4	1.8
24	4.6 MI NW - SOWELL RD (#S-13-711)	5/15/2010	16.3	2.9

Dose: mR/std. qtr.

TLD	*TLD Location Description*	*Sample Date*	*Dose*	*2 Sigma Error*
24	4.6 MI NW - SOWELL RD (#S-13-711)	8/15/2010	15.4	1.4
24	4.6 MI NW - SOWELL RD (#S-13-711)	11/15/2010	15.3	2.3
25	4.0 MI NNW - LAKE ROBINSON RD (#S-13-346)	2/15/2010	13.4	1.6
25	4.0 MI NNW - LAKE ROBINSON RD (#S-13-346)	5/15/2010	13.1	2.7
25	4.0 MI NNW - LAKE ROBINSON RD (#S-13-346)	8/15/2010	13.2	3.6
25	4.0 MI NNW - LAKE ROBINSON RD (#S-13-346)	11/15/2010	13.2	2
26	5.0 MI N - LAKE ROBINSON RD (#S-13-346)	2/15/2010	14.7	1.7
26	5.0 MI N - LAKE ROBINSON RD (#S-13-346)	5/15/2010	13.6	2.4
26	5.0 MI N - LAKE ROBINSON RD (#S-13-346)	8/15/2010	13.2	1.9
26	5.0 MI N - LAKE ROBINSON RD (#S-13-346)	11/15/2010	13	2.9
27	5.4 MI NNE - PROSPECT CHURCH RD (#S-13-763)	2/15/2010	11.6	1.8
27	5.4 MI NNE - PROSPECT CHURCH RD (#S-13-763)	5/15/2010	11.3	2.3
27	5.4 MI NNE - PROSPECT CHURCH RD (#S-13-763)	8/15/2010	11.4	1.6
27	5.4 MI NNE - PROSPECT CHURCH RD (#S-13-763)	11/15/2010	11.1	2.2
28	4.3 MI NE - NEW MARKET RD (#S-13-39)	2/15/2010	16.7	3.1
28	4.3 MI NE - NEW MARKET RD (#S-13-39)	5/15/2010	16.6	2.8
28	4.3 MI NE - NEW MARKET RD (#S-13-39)	8/15/2010	15.8	1.3
28	4.3 MI NE - NEW MARKET RD (#S-13-39)	11/15/2010	16.6	2.2
29	4.0 MI ENE - RUBY RD (#S-16-20)	2/15/2010	12	2.3
29	4.0 MI ENE - RUBY RD (#S-16-20)	5/15/2010	10.4	2.3
29	4.0 MI ENE - RUBY RD (#S-16-20)	8/15/2010	12.8	1.5
29	4.0 MI ENE - RUBY RD (#S-16-20)	11/15/2010	9.8	2
30	4.4 MI E - RUBY RD (#S-16-20)	2/15/2010	13.6	1.9
30	4.4 MI E - RUBY RD (#S-16-20)	5/15/2010	13.5	2.7

Dose: mR/std. qtr.

TLD	TLD Location Description	Sample Date	Dose	2 Sigma Error
30	4.4 MI E - RUBY RD (#S-16-20)	8/15/2010	13.1	2
30	4.4 MI E - RUBY RD (#S-16-20)	11/15/2010	13.2	1.9
31	4.6 MI ESE - ON LAKESHORE DRIVE	2/15/2010	14.7	1.6
31	4.6 MI ESE - ON LAKESHORE DRIVE	8/15/2010	15.2	2.8
32	4.0 MI SE - TRANSMISSION RIGHT-OF-WAY	2/15/2010	12.7	1.7
32	4.0 MI SE - TRANSMISSION RIGHT-OF-WAY	5/15/2010	12.1	2.3
32	4.0 MI SE - TRANSMISSION RIGHT-OF-WAY	8/15/2010	12.5	1.3
32	4.0 MI SE - TRANSMISSION RIGHT-OF-WAY	11/15/2010	12.6	2
33	4.5 MI SSE- ON BAY RD (#S-16-493)	2/15/2010	13.5	1.6
33	4.5 MI SSE- ON BAY RD (#S-16-493)	5/15/2010	13.2	2.9
33	4.5 MI SSE- ON BAY RD (#S-16-493)	8/15/2010	12.8	1.6
33	4.5 MI SSE- ON BAY RD (#S-16-493)	11/15/2010	13.5	2.2
34	4.7 MI S - ON KELLYBELL RD (#S-16-772)	2/15/2010	10.6	2
34	4.7 MI S - ON KELLYBELL RD (#S-16-772)	5/15/2010	9.4	2.6
34	4.7 MI S - ON KELLYBELL RD (#S-16-772)	8/15/2010	9.9	1.5
34	4.7 MI S - ON KELLYBELL RD (#S-16-772)	11/15/2010	9	2.1
35	4.5 MI SSW - KELLY BRIDGE RD (#S-31-51)	2/15/2010	19.3	3.9
35	4.5 MI SSW - KELLY BRIDGE RD (#S-31-51)	5/15/2010	19.2	3.3
35	4.5 MI SSW - KELLY BRIDGE RD (#S-31-51)	8/15/2010	18.6	1.4
35	4.5 MI SSW - KELLY BRIDGE RD (#S-31-51)	11/15/2010	18.5	2.2
36	5.0 MI SW - ON KINGSTON DRIVE	2/15/2010	17.8	1.7
36	5.0 MI SW - ON KINGSTON DRIVE	5/15/2010	18.2	3.1
36	5.0 MI SW - ON KINGSTON DRIVE	8/15/2010	18.1	1.7
36	5.0 MI SW - ON KINGSTON DRIVE	11/15/2010	17.6	3

Dose: mR/std. qtr.

TLD	TLD Location Description	Sample Date	Dose	2 Sigma Error
37	5.0 MI WSW - PINE CONE RD	2/15/2010	20.1	3
37	5.0 MI WSW - PINE CONE RD	5/15/2010	18.5	2.9
37	5.0 MI WSW - PINE CONE RD	8/15/2010	19.2	1.6
37	5.0 MI WSW - PINE CONE RD	11/15/2010	18.6	2.3
38	4.9 MI W - AT UNION CHURCH RD	2/15/2010	14.8	2
38	4.9 MI W - AT UNION CHURCH RD	5/15/2010	14.5	2.5
38	4.9 MI W - AT UNION CHURCH RD	8/15/2010	13.8	1.4
38	4.9 MI W - AT UNION CHURCH RD	11/15/2010	14.9	2.1
39	5.1 MI WNW - KING'S POND RD	2/15/2010	14.2	1.7
39	5.1 MI WNW - KING'S POND RD	5/15/2010	13.9	3.3
39	5.1 MI WNW - KING'S POND RD	8/15/2010	13.8	2.2
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/15/2010	14.4	1.8
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/15/2010	14	2.4
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/15/2010	13.9	2.1
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/15/2010	13.8	2.1
56	0.4 MI NNW - NORTH OF THE CENTER OF THE 7P-ISFSI	2/15/2010	16.6	1.9
56	0.4 MI NNW - NORTH OF THE CENTER OF THE 7P-ISFSI	5/15/2010	15.5	2.4
56	0.4 MI NNW - NORTH OF THE CENTER OF THE 7P-ISFSI	8/15/2010	15.8	2.2
56	0.4 MI NNW - NORTH OF THE CENTER OF THE 7P-ISFSI	11/15/2010	15.1	3.4
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACKS	2/15/2010	17.7	2.2
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACKS	5/15/2010	17.2	2.3
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACKS	8/15/2010	16.7	1.7
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACKS	11/15/2010	17	2.6
65	NORTHWEST OF THE 24P-ISFSI 0.30 WNW	2/15/2010	17	1.8

Dose: mR/std. qtr.

TLD	*TLD Location Description*	*Sample Date*	*Dose*	*2 Sigma Error*
65	NORTHWEST OF THE 24P-ISFSI 0.30 WNW	5/15/2010	17.9	3.8
65	NORTHWEST OF THE 24P-ISFSI 0.30 WNW	8/15/2010	17.7	1.3
65	NORTHWEST OF THE 24P-ISFSI 0.30 WNW	11/15/2010	17.7	3.3

2010 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	Activity	2 Sigma Error	LLD
1	24.4 MI ESE - FLORENCE - CONTROL	1/4/2010	589	2.36E-02	2.17E-03	1.46E-03
1	24.4 MI ESE - FLORENCE - CONTROL	1/11/2010	587.9	2.66E-02	2.28E-03	1.44E-03
1	24.4 MI ESE - FLORENCE - CONTROL	1/18/2010	588.2	3.16E-02	2.45E-03	1.41E-03
1	24.4 MI ESE - FLORENCE - CONTROL	1/25/2010	597.7	1.75E-02	1.92E-03	1.48E-03
1	24.4 MI ESE - FLORENCE - CONTROL	2/1/2010	586.5	2.40E-02	2.22E-03	1.57E-03
1	24.4 MI ESE - FLORENCE - CONTROL	2/8/2010	637.8	2.13E-02	2.00E-03	1.42E-03
1	24.4 MI ESE - FLORENCE - CONTROL	2/15/2010	538.5	2.30E-02	2.32E-03	1.80E-03
1	24.4 MI ESE - FLORENCE - CONTROL	2/22/2010	584.7	2.52E-02	2.24E-03	1.47E-03
1	24.4 MI ESE - FLORENCE - CONTROL	3/1/2010	586.7	2.16E-02	2.11E-03	1.51E-03
1	24.4 MI ESE - FLORENCE - CONTROL	3/8/2010	594.1	2.22E-02	2.14E-03	1.60E-03
1	24.4 MI ESE - FLORENCE - CONTROL	3/15/2010	586.5	2.24E-02	2.13E-03	1.49E-03
1	24.4 MI ESE - FLORENCE - CONTROL	3/22/2010	586	1.89E-02	2.02E-03	1.57E-03
1	24.4 MI ESE - FLORENCE - CONTROL	3/29/2010	557.6	2.12E-02	2.15E-03	1.56E-03
1	24.4 MI ESE - FLORENCE - CONTROL	4/6/2010	709.7	2.28E-02	1.93E-03	1.23E-03
1	24.4 MI ESE - FLORENCE - CONTROL	4/12/2010	506.7	2.99E-02	2.64E-03	1.79E-03
1	24.4 MI ESE - FLORENCE - CONTROL	4/18/2010	506.2	2.78E-02	2.57E-03	1.82E-03
1	24.4 MI ESE - FLORENCE - CONTROL	4/26/2010	676.7	2.79E-02	2.13E-03	1.17E-03
1	24.4 MI ESE - FLORENCE - CONTROL	5/3/2010	573.7	2.36E-02	2.19E-03	1.43E-03
1	24.4 MI ESE - FLORENCE - CONTROL	5/9/2010	507.9	2.29E-02	2.36E-03	1.77E-03
1	24.4 MI ESE - FLORENCE - CONTROL	5/17/2010	671.3	2.68E-02	2.12E-03	1.28E-03
1	24.4 MI ESE - FLORENCE - CONTROL	5/24/2010	596.8	1.78E-02	1.93E-03	1.49E-03
1	24.4 MI ESE - FLORENCE - CONTROL	5/31/2010	612.4	2.25E-02	2.08E-03	1.42E-03
1	24.4 MI ESE - FLORENCE - CONTROL	6/8/2010	675.4	2.84E-02	2.18E-03	1.33E-03
1	24.4 MI ESE - FLORENCE - CONTROL	6/13/2010	426.5	2.67E-02	2.73E-03	1.91E-03
1	24.4 MI ESE - FLORENCE - CONTROL	6/21/2010	681.9	2.25E-02	1.96E-03	1.29E-03
1	24.4 MI ESE - FLORENCE - CONTROL	6/28/2010	594.6	1.84E-02	1.97E-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	Activity	2 Sigma Error	LLD
1	24.4 MI ESE - FLORENCE - CONTROL	7/5/2010	594.3	1.59E-02	1.86E-03	1.50E-03
1	24.4 MI ESE - FLORENCE - CONTROL	7/12/2010	595.6	2.45E-02	2.21E-03	1.51E-03
1	24.4 MI ESE - FLORENCE - CONTROL	7/19/2010	588.7	1.97E-02	2.01E-03	1.44E-03
1	24.4 MI ESE - FLORENCE - CONTROL	7/27/2010	678.5	3.01E-02	2.23E-03	1.30E-03
1	24.4 MI ESE - FLORENCE - CONTROL	8/2/2010	481.6	2.03E-02	2.28E-03	1.69E-03
1	24.4 MI ESE - FLORENCE - CONTROL	8/9/2010	627.5	2.83E-02	2.26E-03	1.37E-03
1	24.4 MI ESE - FLORENCE - CONTROL	8/16/2010	563.6	2.20E-02	2.20E-03	1.64E-03
1	24.4 MI ESE - FLORENCE - CONTROL	8/23/2010	587.9	1.98E-02	2.03E-03	1.46E-03
1	24.4 MI ESE - FLORENCE - CONTROL	8/30/2010	593.6	3.01E-02	2.41E-03	1.50E-03
1	24.4 MI ESE - FLORENCE - CONTROL	9/7/2010	677.3	3.45E-02	2.36E-03	1.26E-03
1	24.4 MI ESE - FLORENCE - CONTROL	9/13/2010	534.5	3.53E-02	2.71E-03	1.52E-03
1	24.4 MI ESE - FLORENCE - CONTROL	9/20/2010	566.9	4.53E-02	2.96E-03	1.55E-03
1	24.4 MI ESE - FLORENCE - CONTROL	9/28/2010	675.9	3.19E-02	2.28E-03	1.22E-03
1	24.4 MI ESE - FLORENCE - CONTROL	10/4/2010	503.7	2.04E-02	2.30E-03	1.88E-03
1	24.4 MI ESE - FLORENCE - CONTROL	10/12/2010	706.9	3.57E-02	2.35E-03	1.20E-03
1	24.4 MI ESE - FLORENCE - CONTROL	10/18/2010	501	4.35E-02	3.09E-03	1.67E-03
1	24.4 MI ESE - FLORENCE - CONTROL	10/25/2010	584.3	4.30E-02	2.82E-03	1.37E-03
1	24.4 MI ESE - FLORENCE - CONTROL	11/1/2010	558.3	2.29E-02	2.24E-03	1.63E-03
1	24.4 MI ESE - FLORENCE - CONTROL	11/8/2010	613.3	1.88E-02	1.97E-03	1.52E-03
1	24.4 MI ESE - FLORENCE - CONTROL	11/15/2010	578.8	3.66E-02	2.67E-03	1.59E-03
1	24.4 MI ESE - FLORENCE - CONTROL	11/22/2010	576.7	2.96E-02	2.42E-03	1.49E-03
1	24.4 MI ESE - FLORENCE - CONTROL	11/30/2010	666.9	2.96E-02	2.26E-03	1.43E-03
1	24.4 MI ESE - FLORENCE - CONTROL	12/6/2010	491.2	3.20E-02	2.70E-03	1.57E-03
1	24.4 MI ESE - FLORENCE - CONTROL	12/13/2010	565.1	2.61E-02	2.34E-03	1.60E-03
1	24.4 MI ESE - FLORENCE - CONTROL	12/20/2010	581.4	2.62E-02	2.32E-03	1.59E-03
1	24.4 MI ESE - FLORENCE - CONTROL	12/28/2010	775.9	2.15E-02	1.78E-03	1.08E-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	Activity	2 Sigma Error	LLD
2	0.2 MI S - INFORMATION CENTER	1/4/2010	590.1	2.42E-02	2.19E-03	1.46E-03
2	0.2 MI S - INFORMATION CENTER	1/11/2010	591.8	2.14E-02	2.07E-03	1.43E-03
2	0.2 MI S - INFORMATION CENTER	1/18/2010	585.7	2.98E-02	2.39E-03	1.42E-03
2	0.2 MI S - INFORMATION CENTER	1/25/2010	584.8	1.65E-02	1.90E-03	1.51E-03
2	0.2 MI S - INFORMATION CENTER	2/1/2010	588.9	2.19E-02	2.13E-03	1.56E-03
2	0.2 MI S - INFORMATION CENTER	2/8/2010	590.9	2.37E-02	2.19E-03	1.53E-03
2	0.2 MI S - INFORMATION CENTER	2/15/2010	577	1.90E-02	2.06E-03	1.68E-03
2	0.2 MI S - INFORMATION CENTER	2/22/2010	578.4	2.24E-02	2.15E-03	1.49E-03
2	0.2 MI S - INFORMATION CENTER	3/1/2010	585.2	2.04E-02	2.06E-03	1.51E-03
2	0.2 MI S - INFORMATION CENTER	3/8/2010	585.6	2.02E-02	2.08E-03	1.62E-03
2	0.2 MI S - INFORMATION CENTER	3/15/2010	578.1	2.31E-02	2.18E-03	1.52E-03
2	0.2 MI S - INFORMATION CENTER	3/22/2010	573.5	1.75E-02	1.99E-03	1.60E-03
2	0.2 MI S - INFORMATION CENTER	3/29/2010	574.6	1.91E-02	2.02E-03	1.51E-03
2	0.2 MI S - INFORMATION CENTER	4/6/2010	660.4	2.28E-02	2.01E-03	1.33E-03
2	0.2 MI S - INFORMATION CENTER	4/12/2010	516.8	3.05E-02	2.63E-03	1.75E-03
2	0.2 MI S - INFORMATION CENTER	4/18/2010	483.5	2.76E-02	2.63E-03	1.90E-03
2	0.2 MI S - INFORMATION CENTER	4/26/2010	665.7	2.60E-02	2.08E-03	1.19E-03
2	0.2 MI S - INFORMATION CENTER	5/3/2010	561.3	1.90E-02	2.03E-03	1.47E-03
2	0.2 MI S - INFORMATION CENTER	5/9/2010	511.4	2.21E-02	2.32E-03	1.76E-03
2	0.2 MI S - INFORMATION CENTER	5/17/2010	638.1	2.34E-02	2.07E-03	1.35E-03
2	0.2 MI S - INFORMATION CENTER	5/24/2010	627.8	1.58E-02	1.79E-03	1.42E-03
2	0.2 MI S - INFORMATION CENTER	5/31/2010	645.9	1.75E-02	1.82E-03	1.35E-03
2	0.2 MI S - INFORMATION CENTER	6/8/2010	734.5	2.36E-02	1.92E-03	1.22E-03
2	0.2 MI S - INFORMATION CENTER	6/13/2010	459.1	2.39E-02	2.50E-03	1.77E-03
2	0.2 MI S - INFORMATION CENTER	6/21/2010	735.2	2.18E-02	1.85E-03	1.19E-03
2	0.2 MI S - INFORMATION CENTER	6/28/2010	644.9	1.75E-02	1.83E-03	1.39E-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	Activity	2 Sigma Error	LLD
2	0.2 MI S - INFORMATION CENTER	7/5/2010	642.2	1.59E-02	1.77E-03	1.39E-03
2	0.2 MI S - INFORMATION CENTER	7/12/2010	649.4	2.49E-02	2.11E-03	1.38E-03
2	0.2 MI S - INFORMATION CENTER	7/19/2010	129.1	2.79E-02	6.08E-03	6.55E-03
2	0.2 MI S - INFORMATION CENTER	7/27/2010	730.2	2.58E-02	2.00E-03	1.21E-03
2	0.2 MI S - INFORMATION CENTER	8/2/2010	549.2	1.89E-02	2.04E-03	1.48E-03
2	0.2 MI S - INFORMATION CENTER	8/9/2010	655.6	2.50E-02	2.09E-03	1.31E-03
2	0.2 MI S - INFORMATION CENTER	8/16/2010	629.8	2.26E-02	2.08E-03	1.47E-03
2	0.2 MI S - INFORMATION CENTER	8/23/2010	648.7	1.80E-02	1.84E-03	1.32E-03
2	0.2 MI S - INFORMATION CENTER	8/30/2010	632.3	2.75E-02	2.24E-03	1.41E-03
2	0.2 MI S - INFORMATION CENTER	9/7/2010	740	3.09E-02	2.14E-03	1.15E-03
2	0.2 MI S - INFORMATION CENTER	9/13/2010	549.2	2.78E-02	2.41E-03	1.48E-03
2	0.2 MI S - INFORMATION CENTER	9/20/2010	653.9	3.63E-02	2.48E-03	1.35E-03
2	0.2 MI S - INFORMATION CENTER	9/28/2010	796.4	2.63E-02	1.91E-03	1.04E-03
2	0.2 MI S - INFORMATION CENTER	10/4/2010	545.1	1.84E-02	2.11E-03	1.74E-03
2	0.2 MI S - INFORMATION CENTER	10/12/2010	744.1	3.08E-02	2.13E-03	1.14E-03
2	0.2 MI S - INFORMATION CENTER	10/18/2010	553.8	4.52E-02	2.98E-03	1.51E-03
2	0.2 MI S - INFORMATION CENTER	10/25/2010	656.3	3.66E-02	2.46E-03	1.22E-03
2	0.2 MI S - INFORMATION CENTER	11/1/2010	637.7	1.69E-02	1.83E-03	1.43E-03
2	0.2 MI S - INFORMATION CENTER	11/8/2010	657.8	1.82E-02	1.86E-03	1.42E-03
2	0.2 MI S - INFORMATION CENTER	11/15/2010	649.5	2.78E-02	2.22E-03	1.41E-03
2	0.2 MI S - INFORMATION CENTER	11/22/2010	647.7	2.55E-02	2.13E-03	1.33E-03
2	0.2 MI S - INFORMATION CENTER	11/30/2010	740.7	2.48E-02	1.98E-03	1.29E-03
2	0.2 MI S - INFORMATION CENTER	12/6/2010	560.4	2.73E-02	2.34E-03	1.37E-03
2	0.2 MI S - INFORMATION CENTER	12/13/2010	686.6	2.31E-02	1.99E-03	1.32E-03
2	0.2 MI S - INFORMATION CENTER	12/20/2010	627.4	2.10E-02	2.02E-03	1.47E-03
2	0.2 MI S - INFORMATION CENTER	12/28/2010	707.8	2.31E-02	1.93E-03	1.18E-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	Activity	2 Sigma Error	LLD
3	0.5 MI N - MICROWAVE TOWER	1/4/2010	526.6	2.85E-02	2.51E-03	1.64E-03
3	0.5 MI N - MICROWAVE TOWER	1/11/2010	537	2.48E-02	2.33E-03	1.58E-03
3	0.5 MI N - MICROWAVE TOWER	1/18/2010	539.3	3.10E-02	2.55E-03	1.54E-03
3	0.5 MI N - MICROWAVE TOWER	1/25/2010	520.4	1.76E-02	2.09E-03	1.70E-03
3	0.5 MI N - MICROWAVE TOWER	2/1/2010	523.6	2.64E-02	2.46E-03	1.76E-03
3	0.5 MI N - MICROWAVE TOWER	2/8/2010	528.6	2.45E-02	2.37E-03	1.71E-03
3	0.5 MI N - MICROWAVE TOWER	2/15/2010	512.8	2.32E-02	2.40E-03	1.89E-03
3	0.5 MI N - MICROWAVE TOWER	2/22/2010	525	2.04E-02	2.19E-03	1.64E-03
3	0.5 MI N - MICROWAVE TOWER	3/1/2010	525.7	2.10E-02	2.23E-03	1.68E-03
3	0.5 MI N - MICROWAVE TOWER	3/8/2010	529.9	2.43E-02	2.38E-03	1.79E-03
3	0.5 MI N - MICROWAVE TOWER	3/15/2010	516.1	2.39E-02	2.36E-03	1.70E-03
3	0.5 MI N - MICROWAVE TOWER	3/22/2010	516.7	2.10E-02	2.27E-03	1.78E-03
3	0.5 MI N - MICROWAVE TOWER	3/29/2010	521	2.12E-02	2.24E-03	1.67E-03
3	0.5 MI N - MICROWAVE TOWER	4/6/2010	599.7	2.66E-02	2.26E-03	1.46E-03
3	0.5 MI N - MICROWAVE TOWER	4/12/2010	454.7	3.20E-02	2.89E-03	1.99E-03
3	0.5 MI N - MICROWAVE TOWER	4/18/2010	451	3.32E-02	2.96E-03	2.04E-03
3	0.5 MI N - MICROWAVE TOWER	4/26/2010	611.6	2.81E-02	2.26E-03	1.29E-03
3	0.5 MI N - MICROWAVE TOWER	5/3/2010	506.4	2.66E-02	2.47E-03	1.62E-03
3	0.5 MI N - MICROWAVE TOWER	5/9/2010	452.4	2.67E-02	2.69E-03	1.99E-03
3	0.5 MI N - MICROWAVE TOWER	5/17/2010	597	2.49E-02	2.20E-03	1.44E-03
3	0.5 MI N - MICROWAVE TOWER	5/24/2010	589.2	1.57E-02	1.86E-03	1.51E-03
3	0.5 MI N - MICROWAVE TOWER	5/31/2010	580.6	2.13E-02	2.10E-03	1.50E-03
3	0.5 MI N - MICROWAVE TOWER	6/8/2010	666.5	2.61E-02	2.12E-03	1.35E-03
3	0.5 MI N - MICROWAVE TOWER	6/13/2010	404.7	2.60E-02	2.79E-03	2.01E-03
3	0.5 MI N - MICROWAVE TOWER	6/21/2010	679.2	2.43E-02	2.03E-03	1.29E-03
3	0.5 MI N - MICROWAVE TOWER	6/28/2010	586.5	1.94E-02	2.02E-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	Activity	2 Sigma Error	LLD
3	0.5 MI N - MICROWAVE TOWER	7/5/2010	579.8	1.72E-02	1.94E-03	1.54E-03
3	0.5 MI N - MICROWAVE TOWER	7/12/2010	582.4	2.55E-02	2.27E-03	1.54E-03
3	0.5 MI N - MICROWAVE TOWER	7/19/2010	570.8	1.83E-02	1.99E-03	1.48E-03
3	0.5 MI N - MICROWAVE TOWER	7/27/2010	657.5	2.57E-02	2.12E-03	1.34E-03
3	0.5 MI N - MICROWAVE TOWER	8/2/2010	501.8	2.11E-02	2.25E-03	1.62E-03
3	0.5 MI N - MICROWAVE TOWER	8/9/2010	584.3	3.25E-02	2.50E-03	1.47E-03
3	0.5 MI N - MICROWAVE TOWER	8/16/2010	578.5	2.19E-02	2.16E-03	1.60E-03
3	0.5 MI N - MICROWAVE TOWER	8/23/2010	569.3	1.96E-02	2.06E-03	1.51E-03
3	0.5 MI N - MICROWAVE TOWER	8/30/2010	594	3.29E-02	2.51E-03	1.50E-03
3	0.5 MI N - MICROWAVE TOWER	9/7/2010	655.7	3.54E-02	2.44E-03	1.30E-03
3	0.5 MI N - MICROWAVE TOWER	9/13/2010	499.1	3.05E-02	2.64E-03	1.63E-03
3	0.5 MI N - MICROWAVE TOWER	9/20/2010	586.9	3.93E-02	2.72E-03	1.50E-03
3	0.5 MI N - MICROWAVE TOWER	9/28/2010	670.8	3.10E-02	2.26E-03	1.23E-03
3	0.5 MI N - MICROWAVE TOWER	10/4/2010	480.7	2.15E-02	2.41E-03	1.97E-03
3	0.5 MI N - MICROWAVE TOWER	10/12/2010	662.1	3.24E-02	2.33E-03	1.29E-03
3	0.5 MI N - MICROWAVE TOWER	10/18/2010	491.7	4.91E-02	3.30E-03	1.70E-03
3	0.5 MI N - MICROWAVE TOWER	10/25/2010	578.4	4.08E-02	2.77E-03	1.39E-03
3	0.5 MI N - MICROWAVE TOWER	11/1/2010	572.2	2.07E-02	2.12E-03	1.59E-03
3	0.5 MI N - MICROWAVE TOWER	11/8/2010	562.8	1.95E-02	2.10E-03	1.66E-03
3	0.5 MI N - MICROWAVE TOWER	11/15/2010	549.3	3.44E-02	2.68E-03	1.67E-03
3	0.5 MI N - MICROWAVE TOWER	11/22/2010	551.8	3.15E-02	2.55E-03	1.56E-03
3	0.5 MI N - MICROWAVE TOWER	11/30/2010	653.3	2.74E-02	2.22E-03	1.46E-03
3	0.5 MI N - MICROWAVE TOWER	12/6/2010	476.6	3.27E-02	2.78E-03	1.62E-03
3	0.5 MI N - MICROWAVE TOWER	12/13/2010	536.1	2.43E-02	2.35E-03	1.68E-03
3	0.5 MI N - MICROWAVE TOWER	12/20/2010	558.2	2.52E-02	2.34E-03	1.66E-03
3	0.5 MI N - MICROWAVE TOWER	12/28/2010	578.3	2.82E-02	2.36E-03	1.44E-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*	*Activity*	*2 Sigma Error*	*LLD*
4	0.4 MI ESE - SPILLWAY	1/4/2010	604.3	2.33E-02	2.13E-03	1.43E-03
4	0.4 MI ESE - SPILLWAY	1/11/2010	601.2	2.24E-02	2.09E-03	1.41E-03
4	0.4 MI ESE - SPILLWAY	1/18/2010	607.8	2.65E-02	2.23E-03	1.37E-03
4	0.4 MI ESE - SPILLWAY	1/25/2010	581.9	1.63E-02	1.89E-03	1.52E-03
4	0.4 MI ESE - SPILLWAY	2/1/2010	602.2	1.99E-02	2.02E-03	1.53E-03
4	0.4 MI ESE - SPILLWAY	2/8/2010	606.6	2.00E-02	2.01E-03	1.49E-03
4	0.4 MI ESE - SPILLWAY	2/15/2010	594.5	1.75E-02	1.97E-03	1.63E-03
4	0.4 MI ESE - SPILLWAY	2/22/2010	592.3	1.87E-02	1.97E-03	1.45E-03
4	0.4 MI ESE - SPILLWAY	3/1/2010	610.5	1.70E-02	1.87E-03	1.45E-03
4	0.4 MI ESE - SPILLWAY	3/8/2010	604	1.84E-02	1.97E-03	1.57E-03
4	0.4 MI ESE - SPILLWAY	3/15/2010	608	2.01E-02	2.00E-03	1.44E-03
4	0.4 MI ESE - SPILLWAY	3/22/2010	556.9	1.59E-02	1.95E-03	1.65E-03
4	0.4 MI ESE - SPILLWAY	3/29/2010	605.2	1.88E-02	1.95E-03	1.44E-03
4	0.4 MI ESE - SPILLWAY	4/6/2010	704.9	2.18E-02	1.90E-03	1.24E-03
4	0.4 MI ESE - SPILLWAY	4/12/2010	529.9	2.75E-02	2.48E-03	1.71E-03
4	0.4 MI ESE - SPILLWAY	4/18/2010	525.8	2.70E-02	2.48E-03	1.75E-03
4	0.4 MI ESE - SPILLWAY	4/26/2010	714.2	2.44E-02	1.95E-03	1.11E-03
4	0.4 MI ESE - SPILLWAY	5/3/2010	595.4	1.87E-02	1.94E-03	1.38E-03
4	0.4 MI ESE - SPILLWAY	5/9/2010	554.1	1.95E-02	2.10E-03	1.62E-03
4	0.4 MI ESE - SPILLWAY	5/17/2010	689.8	2.09E-02	1.88E-03	1.25E-03
4	0.4 MI ESE - SPILLWAY	5/24/2010	619.3	1.59E-02	1.81E-03	1.44E-03
4	0.4 MI ESE - SPILLWAY	5/31/2010	637.3	2.04E-02	1.95E-03	1.36E-03
4	0.4 MI ESE - SPILLWAY	6/8/2010	733	2.38E-02	1.93E-03	1.23E-03
4	0.4 MI ESE - SPILLWAY	6/13/2010	460.4	2.28E-02	2.45E-03	1.77E-03
4	0.4 MI ESE - SPILLWAY	6/21/2010	738.8	2.18E-02	1.85E-03	1.19E-03
4	0.4 MI ESE - SPILLWAY	6/28/2010	643.5	1.84E-02	1.88E-03	1.40E-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	Activity	2 Sigma Error	LLD
4	0.4 MI ESE - SPILLWAY	7/5/2010	614.5	1.52E-02	1.79E-03	1.45E-03
4	0.4 MI ESE - SPILLWAY	7/12/2010	636.9	2.37E-02	2.09E-03	1.41E-03
4	0.4 MI ESE - SPILLWAY	7/19/2010	629.1	1.72E-02	1.83E-03	1.34E-03
4	0.4 MI ESE - SPILLWAY	7/27/2010	735.8	2.36E-02	1.92E-03	1.20E-03
4	0.4 MI ESE - SPILLWAY	8/2/2010	551.8	2.11E-02	2.13E-03	1.48E-03
4	0.4 MI ESE - SPILLWAY	8/9/2010	658.1	2.54E-02	2.10E-03	1.31E-03
4	0.4 MI ESE - SPILLWAY	8/16/2010	637.6	2.13E-02	2.02E-03	1.45E-03
4	0.4 MI ESE - SPILLWAY	8/23/2010	644	1.82E-02	1.85E-03	1.33E-03
4	0.4 MI ESE - SPILLWAY	8/30/2010	641.5	2.80E-02	2.24E-03	1.39E-03
4	0.4 MI ESE - SPILLWAY	9/7/2010	739.7	3.17E-02	2.17E-03	1.15E-03
4	0.4 MI ESE - SPILLWAY	9/13/2010	550.1	3.02E-02	2.49E-03	1.47E-03
4	0.4 MI ESE - SPILLWAY	9/20/2010	650.4	3.63E-02	2.48E-03	1.35E-03
4	0.4 MI ESE - SPILLWAY	9/28/2010	734.4	2.78E-02	2.05E-03	1.13E-03
4	0.4 MI ESE - SPILLWAY	10/4/2010	530.9	1.93E-02	2.18E-03	1.78E-03
4	0.4 MI ESE - SPILLWAY	10/12/2010	728.9	3.17E-02	2.19E-03	1.17E-03
4	0.4 MI ESE - SPILLWAY	10/18/2010	542.5	4.30E-02	2.95E-03	1.54E-03
4	0.4 MI ESE - SPILLWAY	10/25/2010	640.3	3.79E-02	2.53E-03	1.25E-03
4	0.4 MI ESE - SPILLWAY	11/1/2010	625.8	1.88E-02	1.93E-03	1.46E-03
4	0.4 MI ESE - SPILLWAY	11/8/2010	628.6	1.82E-02	1.91E-03	1.48E-03
4	0.4 MI ESE - SPILLWAY	11/15/2010	625.2	2.62E-02	2.22E-03	1.47E-03
4	0.4 MI ESE - SPILLWAY	11/22/2010	628.2	2.86E-02	2.27E-03	1.37E-03
4	0.4 MI ESE - SPILLWAY	11/30/2010	710.7	2.66E-02	2.08E-03	1.34E-03
4	0.4 MI ESE - SPILLWAY	12/6/2010	528.6	3.00E-02	2.52E-03	1.46E-03
4	0.4 MI ESE - SPILLWAY	12/13/2010	640.6	2.17E-02	2.02E-03	1.41E-03
4	0.4 MI ESE - SPILLWAY	12/20/2010	591.3	2.29E-02	2.17E-03	1.56E-03
4	0.4 MI ESE - SPILLWAY	12/28/2010	738.3	2.01E-02	1.77E-03	1.13E-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*	*Activity*	*2 Sigma Error*	*LLD*
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	1/4/2010	570.7	2.59E-02	2.30E-03	1.51E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	1/11/2010	573	2.22E-02	2.14E-03	1.48E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	1/18/2010	569	2.67E-02	2.32E-03	1.46E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	1/25/2010	570.1	1.82E-02	2.00E-03	1.55E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	2/1/2010	529	2.18E-02	2.27E-03	1.74E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	2/8/2010	571.2	1.96E-02	2.07E-03	1.59E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	2/15/2010	563.5	1.74E-02	2.03E-03	1.72E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	2/22/2010	563.5	1.90E-02	2.04E-03	1.53E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	3/1/2010	567.5	1.94E-02	2.06E-03	1.56E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	3/8/2010	571.3	1.79E-02	2.02E-03	1.66E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	3/15/2010	552.8	2.11E-02	2.16E-03	1.59E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	3/22/2010	571	1.71E-02	1.97E-03	1.61E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	3/29/2010	561.3	2.08E-02	2.12E-03	1.55E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	4/6/2010	660.9	2.30E-02	2.01E-03	1.33E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	4/12/2010	476.8	2.74E-02	2.64E-03	1.90E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	4/18/2010	488.2	2.89E-02	2.67E-03	1.88E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	4/26/2010	664.4	2.58E-02	2.08E-03	1.19E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	5/3/2010	540.2	2.24E-02	2.22E-03	1.52E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	5/9/2010	491.4	2.42E-02	2.46E-03	1.83E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	5/17/2010	636.4	2.36E-02	2.08E-03	1.35E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	5/24/2010	573.3	1.70E-02	1.95E-03	1.55E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	5/31/2010	563.1	2.05E-02	2.11E-03	1.54E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	6/8/2010	644.6	2.43E-02	2.10E-03	1.39E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	6/13/2010	401.5	2.38E-02	2.71E-03	2.03E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	6/21/2010	645.9	2.26E-02	2.02E-03	1.36E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	6/28/2010	567.8	2.16E-02	2.16E-03	1.58E-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*	*Activity*	*2 Sigma Error*	*LLD*
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	7/5/2010	559.7	1.61E-02	1.93E-03	1.59E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	7/12/2010	569.3	2.62E-02	2.33E-03	1.58E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	7/19/2010	543.8	2.06E-02	2.15E-03	1.56E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	7/27/2010	631.2	2.81E-02	2.25E-03	1.40E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	8/2/2010	473.1	2.34E-02	2.44E-03	1.72E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	8/9/2010	565.8	2.79E-02	2.38E-03	1.52E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	8/16/2010	543.8	2.44E-02	2.34E-03	1.70E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	8/23/2010	565.6	1.93E-02	2.05E-03	1.52E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	8/30/2010	543.7	2.97E-02	2.52E-03	1.63E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	9/7/2010	633.8	3.73E-02	2.54E-03	1.34E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	9/13/2010	473.8	3.33E-02	2.83E-03	1.71E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	9/20/2010	567.9	3.95E-02	2.78E-03	1.55E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	9/28/2010	626.2	3.16E-02	2.37E-03	1.32E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	10/4/2010	467.7	2.01E-02	2.40E-03	2.02E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	10/12/2010	638.5	3.59E-02	2.49E-03	1.33E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	10/18/2010	482.4	4.64E-02	3.25E-03	1.73E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	10/25/2010	580.6	3.81E-02	2.68E-03	1.38E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	11/1/2010	533.6	2.06E-02	2.21E-03	1.71E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	11/8/2010	560.9	2.02E-02	2.14E-03	1.66E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	11/15/2010	556.7	2.95E-02	2.49E-03	1.65E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	11/22/2010	557.9	1.02E-02	1.64E-03	1.54E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	11/30/2010	630.6	2.76E-02	2.27E-03	1.51E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	12/6/2010	476.1	3.06E-02	2.70E-03	1.62E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	12/13/2010	565.4	2.53E-02	2.31E-03	1.60E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	12/20/2010	541.2	2.47E-02	2.36E-03	1.71E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	12/28/2010	656.5	2.23E-02	1.99E-03	1.27E-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	Activity	2 Sigma Error	LLD
6	0.2 MI SSW - INFORMATION CENTER	1/4/2010	598.2	2.47E-02	2.19E-03	1.44E-03
6	0.2 MI SSW - INFORMATION CENTER	1/11/2010	594.3	2.18E-02	2.08E-03	1.42E-03
6	0.2 MI SSW - INFORMATION CENTER	1/18/2010	601	2.84E-02	2.31E-03	1.38E-03
6	0.2 MI SSW - INFORMATION CENTER	1/25/2010	607.4	1.69E-02	1.87E-03	1.45E-03
6	0.2 MI SSW - INFORMATION CENTER	2/1/2010	599.6	2.20E-02	2.11E-03	1.53E-03
6	0.2 MI SSW - INFORMATION CENTER	2/8/2010	600.6	2.26E-02	2.13E-03	1.51E-03
6	0.2 MI SSW - INFORMATION CENTER	2/15/2010	591.1	1.92E-02	2.04E-03	1.64E-03
6	0.2 MI SSW - INFORMATION CENTER	2/22/2010	592.3	2.03E-02	2.03E-03	1.45E-03
6	0.2 MI SSW - INFORMATION CENTER	3/1/2010	599	2.00E-02	2.02E-03	1.48E-03
6	0.2 MI SSW - INFORMATION CENTER	3/8/2010	597.2	1.97E-02	2.04E-03	1.59E-03
6	0.2 MI SSW - INFORMATION CENTER	3/15/2010	603.3	2.08E-02	2.04E-03	1.45E-03
6	0.2 MI SSW - INFORMATION CENTER	3/22/2010	597.7	1.76E-02	1.94E-03	1.54E-03
6	0.2 MI SSW - INFORMATION CENTER	3/29/2010	597.1	1.98E-02	2.01E-03	1.46E-03
6	0.2 MI SSW - INFORMATION CENTER	4/6/2010	700.4	2.20E-02	1.91E-03	1.25E-03
6	0.2 MI SSW - INFORMATION CENTER	4/12/2010	523.9	2.77E-02	2.51E-03	1.73E-03
6	0.2 MI SSW - INFORMATION CENTER	4/18/2010	519.9	2.82E-02	2.54E-03	1.77E-03
6	0.2 MI SSW - INFORMATION CENTER	4/26/2010	702.7	2.56E-02	2.01E-03	1.12E-03
6	0.2 MI SSW - INFORMATION CENTER	5/3/2010	593.6	2.07E-02	2.03E-03	1.39E-03
6	0.2 MI SSW - INFORMATION CENTER	5/9/2010	550.9	2.40E-02	2.29E-03	1.63E-03
6	0.2 MI SSW - INFORMATION CENTER	5/17/2010	678.5	2.53E-02	2.06E-03	1.27E-03
6	0.2 MI SSW - INFORMATION CENTER	5/24/2010	618.5	1.37E-02	1.71E-03	1.44E-03
6	0.2 MI SSW - INFORMATION CENTER	5/31/2010	628	1.90E-02	1.91E-03	1.38E-03
6	0.2 MI SSW - INFORMATION CENTER	6/8/2010	720.8	2.15E-02	1.87E-03	1.25E-03
6	0.2 MI SSW - INFORMATION CENTER	6/13/2010	452.3	2.40E-02	2.53E-03	1.80E-03
6	0.2 MI SSW - INFORMATION CENTER	6/21/2010	726.4	2.32E-02	1.91E-03	1.21E-03
6	0.2 MI SSW - INFORMATION CENTER	6/28/2010	637.4	1.86E-02	1.89E-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	Activity	2 Sigma Error	LLD
6	0.2 MI SSW - INFORMATION CENTER	7/5/2010	627.1	1.57E-02	1.79E-03	1.42E-03
6	0.2 MI SSW - INFORMATION CENTER	7/12/2010	636.2	2.15E-02	2.01E-03	1.41E-03
6	0.2 MI SSW - INFORMATION CENTER	7/19/2010	622.3	1.81E-02	1.88E-03	1.36E-03
6	0.2 MI SSW - INFORMATION CENTER	7/27/2010	719.9	2.51E-02	1.99E-03	1.23E-03
6	0.2 MI SSW - INFORMATION CENTER	8/2/2010	537	1.91E-02	2.08E-03	1.52E-03
6	0.2 MI SSW - INFORMATION CENTER	8/9/2010	645.7	2.75E-02	2.20E-03	1.33E-03
6	0.2 MI SSW - INFORMATION CENTER	8/16/2010	620.6	2.01E-02	2.00E-03	1.49E-03
6	0.2 MI SSW - INFORMATION CENTER	8/23/2010	629.8	1.76E-02	1.85E-03	1.36E-03
6	0.2 MI SSW - INFORMATION CENTER	8/30/2010	627.3	2.82E-02	2.27E-03	1.42E-03
6	0.2 MI SSW - INFORMATION CENTER	9/7/2010	723.3	3.10E-02	2.18E-03	1.18E-03
6	0.2 MI SSW - INFORMATION CENTER	9/13/2010	536.1	2.79E-02	2.44E-03	1.51E-03
6	0.2 MI SSW - INFORMATION CENTER	9/20/2010	637.4	3.48E-02	2.46E-03	1.38E-03
6	0.2 MI SSW - INFORMATION CENTER	9/28/2010	715	2.79E-02	2.08E-03	1.16E-03
6	0.2 MI SSW - INFORMATION CENTER	10/4/2010	523.9	1.91E-02	2.19E-03	1.81E-03
6	0.2 MI SSW - INFORMATION CENTER	10/12/2010	712	3.19E-02	2.22E-03	1.20E-03
6	0.2 MI SSW - INFORMATION CENTER	10/18/2010	530.7	4.33E-02	2.99E-03	1.57E-03
6	0.2 MI SSW - INFORMATION CENTER	10/25/2010	629.6	3.64E-02	2.51E-03	1.28E-03
6	0.2 MI SSW - INFORMATION CENTER	11/1/2010	610.1	1.79E-02	1.92E-03	1.49E-03
6	0.2 MI SSW - INFORMATION CENTER	11/8/2010	615.1	1.84E-02	1.95E-03	1.51E-03
6	0.2 MI SSW - INFORMATION CENTER	11/15/2010	612	2.41E-02	2.17E-03	1.50E-03
6	0.2 MI SSW - INFORMATION CENTER	11/22/2010	613.6	3.00E-02	2.35E-03	1.40E-03
6	0.2 MI SSW - INFORMATION CENTER	11/30/2010	696.9	2.43E-02	2.03E-03	1.37E-03
6	0.2 MI SSW - INFORMATION CENTER	12/6/2010	518.5	2.83E-02	2.49E-03	1.48E-03
6	0.2 MI SSW - INFORMATION CENTER	12/13/2010	628.6	2.47E-02	2.15E-03	1.44E-03
6	0.2 MI SSW - INFORMATION CENTER	12/20/2010	573.4	2.22E-02	2.19E-03	1.61E-03
6	0.2 MI SSW - INFORMATION CENTER	12/28/2010	718.2	2.13E-02	1.85E-03	1.16E-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*	*Activity*	*2 Sigma Error*	*LLD*
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	1/4/2010	612.6	2.35E-02	2.12E-03	1.41E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	1/11/2010	620.6	2.13E-02	2.01E-03	1.36E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	1/18/2010	606	2.99E-02	2.35E-03	1.37E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	1/25/2010	621.3	1.47E-02	1.75E-03	1.42E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/1/2010	615.2	2.26E-02	2.10E-03	1.50E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/8/2010	615	1.89E-02	1.95E-03	1.47E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/15/2010	516.2	1.99E-02	2.25E-03	1.88E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/22/2010	615.5	1.87E-02	1.92E-03	1.40E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	3/1/2010	626.8	1.78E-02	1.88E-03	1.41E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	3/8/2010	614.8	1.81E-02	1.94E-03	1.54E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	3/15/2010	620.2	1.54E-02	1.78E-03	1.41E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	3/22/2010	622.1	1.65E-02	1.84E-03	1.48E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	3/29/2010	615	1.84E-02	1.92E-03	1.41E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	4/6/2010	732.2	1.96E-02	1.77E-03	1.20E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	4/12/2010	548.1	2.35E-02	2.28E-03	1.65E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	4/18/2010	537.3	2.41E-02	2.34E-03	1.71E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	4/26/2010	726.6	2.11E-02	1.81E-03	1.09E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/3/2010	612.5	1.65E-02	1.82E-03	1.34E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/9/2010	545	1.69E-02	2.01E-03	1.65E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/17/2010	720.3	1.82E-02	1.73E-03	1.20E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/24/2010	572.8	1.61E-02	1.91E-03	1.56E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/31/2010	602.8	1.91E-02	1.97E-03	1.44E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	6/8/2010	690.3	2.35E-02	1.99E-03	1.30E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	6/13/2010	439.9	2.34E-02	2.55E-03	1.85E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	6/21/2010	714.4	2.11E-02	1.86E-03	1.23E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	6/28/2010	585	1.95E-02	2.03E-03	1.54E-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	Activity	2 Sigma Error	LLD
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	7/5/2010	607.5	1.70E-02	1.88E-03	1.47E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	7/12/2010	608.9	2.51E-02	2.20E-03	1.48E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	7/19/2010	607.5	1.88E-02	1.94E-03	1.39E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	7/27/2010	688.4	2.72E-02	2.12E-03	1.28E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	8/2/2010	517	2.00E-02	2.17E-03	1.58E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	8/9/2010	618.1	2.71E-02	2.24E-03	1.39E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	8/16/2010	597.2	2.15E-02	2.10E-03	1.55E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	8/23/2010	615.1	1.92E-02	1.95E-03	1.40E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	8/30/2010	604.8	3.08E-02	2.41E-03	1.47E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	9/7/2010	685.1	3.55E-02	2.38E-03	1.24E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	9/13/2010	512.5	3.26E-02	2.68E-03	1.58E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	9/20/2010	609.1	3.89E-02	2.66E-03	1.45E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	9/28/2010	688.5	2.93E-02	2.17E-03	1.20E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	10/4/2010	498.5	1.89E-02	2.25E-03	1.90E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	10/12/2010	695.1	3.35E-02	2.30E-03	1.22E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	10/18/2010	506.2	4.09E-02	2.99E-03	1.65E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	10/25/2010	596.8	3.89E-02	2.66E-03	1.35E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/1/2010	595.6	1.87E-02	1.99E-03	1.53E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/8/2010	589.1	1.89E-02	2.02E-03	1.58E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/15/2010	589.5	2.89E-02	2.39E-03	1.56E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/22/2010	585.9	3.18E-02	2.48E-03	1.47E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/30/2010	674.9	3.02E-02	2.27E-03	1.41E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	12/6/2010	495.7	3.01E-02	2.62E-03	1.55E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	12/13/2010	575.4	2.43E-02	2.25E-03	1.57E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	12/20/2010	582.4	2.39E-02	2.23E-03	1.59E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	12/28/2010	785.9	2.00E-02	1.71E-03	1.06E-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	Activity	2 Sigma Error	LLD
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/4/2010	564.9	2.53E-02	2.29E-03	1.52E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/11/2010	561.5	2.23E-02	2.17E-03	1.51E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/18/2010	565	2.93E-02	2.42E-03	1.47E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/25/2010	571.7	1.65E-02	1.93E-03	1.55E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/1/2010	565.7	2.25E-02	2.20E-03	1.63E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/8/2010	567	2.23E-02	2.19E-03	1.60E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/15/2010	559.2	1.63E-02	1.99E-03	1.73E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/22/2010	559.7	1.96E-02	2.08E-03	1.54E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/1/2010	566.6	1.90E-02	2.04E-03	1.56E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/8/2010	562.9	1.87E-02	2.07E-03	1.68E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/15/2010	573.8	2.15E-02	2.13E-03	1.53E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/22/2010	565.9	1.89E-02	2.06E-03	1.63E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/29/2010	565.2	2.13E-02	2.13E-03	1.54E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/6/2010	662.7	2.25E-02	1.99E-03	1.32E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/12/2010	496.5	2.83E-02	2.61E-03	1.82E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/18/2010	492.9	2.69E-02	2.57E-03	1.87E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/26/2010	665.4	2.52E-02	2.06E-03	1.19E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/3/2010	562	1.96E-02	2.05E-03	1.46E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/9/2010	517.9	2.34E-02	2.35E-03	1.73E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/17/2010	647	2.24E-02	2.01E-03	1.33E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/24/2010	615.4	1.39E-02	1.73E-03	1.45E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/31/2010	658.9	1.78E-02	1.81E-03	1.32E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/8/2010	755.4	2.40E-02	1.91E-03	1.19E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/13/2010	470	2.37E-02	2.46E-03	1.73E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/21/2010	755.9	2.12E-02	1.80E-03	1.16E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/28/2010	666.2	1.75E-02	1.80E-03	1.35E-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	Activity	2 Sigma Error	LLD
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/5/2010	655.8	1.66E-02	1.78E-03	1.36E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/12/2010	669.7	2.22E-02	1.98E-03	1.34E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/19/2010	655.5	1.76E-02	1.80E-03	1.29E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/27/2010	749.6	2.21E-02	1.84E-03	1.18E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/2/2010	560.1	1.93E-02	2.04E-03	1.45E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/9/2010	676.1	2.61E-02	2.09E-03	1.27E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/16/2010	650.8	2.05E-02	1.96E-03	1.42E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/23/2010	663.6	1.51E-02	1.69E-03	1.29E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/30/2010	662.4	2.68E-02	2.15E-03	1.34E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/7/2010	753	3.10E-02	2.13E-03	1.13E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/13/2010	567.7	2.73E-02	2.34E-03	1.43E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/20/2010	670.2	3.28E-02	2.33E-03	1.31E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/28/2010	760.1	2.82E-02	2.02E-03	1.09E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/4/2010	550.4	1.79E-02	2.07E-03	1.72E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/12/2010	760.5	3.12E-02	2.12E-03	1.12E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/18/2010	564.8	3.94E-02	2.77E-03	1.48E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/25/2010	664.3	3.62E-02	2.43E-03	1.21E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/1/2010	652.7	1.55E-02	1.75E-03	1.40E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/8/2010	655.6	1.74E-02	1.83E-03	1.42E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/15/2010	652.6	2.49E-02	2.12E-03	1.41E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/22/2010	652.3	2.70E-02	2.17E-03	1.32E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/30/2010	744.6	2.27E-02	1.90E-03	1.28E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/6/2010	547.9	2.73E-02	2.37E-03	1.41E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/13/2010	663.7	2.10E-02	1.95E-03	1.36E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/20/2010	614.3	2.16E-02	2.07E-03	1.51E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/28/2010	766.6	2.04E-02	1.75E-03	1.09E-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	Activity	2 Sigma Error	LLD
60	0.2 MI SE - ROBINSON PICNIC AREA	1/4/2010	577.2	2.68E-02	2.32E-03	1.49E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	1/11/2010	578.4	2.24E-02	2.14E-03	1.46E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	1/18/2010	572.7	2.91E-02	2.40E-03	1.45E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	1/25/2010	572.2	1.58E-02	1.89E-03	1.54E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	2/1/2010	486.7	2.37E-02	2.47E-03	1.89E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	2/8/2010	577.5	2.28E-02	2.19E-03	1.57E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	2/15/2010	592	1.95E-02	2.05E-03	1.64E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	2/22/2010	639.7	1.88E-02	1.88E-03	1.35E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	3/1/2010	587.3	1.83E-02	1.97E-03	1.50E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	3/8/2010	625.2	1.63E-02	1.84E-03	1.52E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	3/15/2010	610.8	2.17E-02	2.06E-03	1.43E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	3/22/2010	603.9	1.87E-02	1.97E-03	1.52E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	3/29/2010	606	1.90E-02	1.96E-03	1.43E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	4/6/2010	708.1	2.14E-02	1.88E-03	1.24E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	4/12/2010	532	2.67E-02	2.45E-03	1.70E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	4/18/2010	527.6	2.58E-02	2.43E-03	1.74E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	4/26/2010	714.2	2.52E-02	1.98E-03	1.11E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	5/3/2010	587.5	1.90E-02	1.97E-03	1.40E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	5/9/2010	555	2.20E-02	2.20E-03	1.62E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	5/17/2010	689.5	2.45E-02	2.01E-03	1.25E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	5/24/2010	540.6	1.70E-02	2.02E-03	1.65E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	5/31/2010	548.5	2.25E-02	2.22E-03	1.58E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	6/8/2010	628.3	2.31E-02	2.09E-03	1.43E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	6/13/2010	393.8	2.55E-02	2.81E-03	2.07E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	6/21/2010	633.9	2.40E-02	2.10E-03	1.38E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	6/28/2010	550.3	2.07E-02	2.16E-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	Activity	2 Sigma Error	LLD
60	0.2 MI SE - ROBINSON PICNIC AREA	7/5/2010	526.7	1.85E-02	2.12E-03	1.69E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	7/12/2010	537.2	2.53E-02	2.37E-03	1.67E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	7/19/2010	544.5	1.74E-02	2.01E-03	1.55E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	7/27/2010	575.5	2.46E-02	2.25E-03	1.54E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	8/2/2010	508	1.95E-02	2.17E-03	1.60E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	8/9/2010	604	2.36E-02	2.14E-03	1.43E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	8/16/2010	585.9	2.22E-02	2.16E-03	1.58E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	8/23/2010	593	1.80E-02	1.94E-03	1.45E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	8/30/2010	541.9	3.14E-02	2.59E-03	1.64E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	9/7/2010	730	3.34E-02	2.24E-03	1.17E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	9/13/2010	505.6	3.45E-02	2.77E-03	1.60E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	9/20/2010	599	3.91E-02	2.69E-03	1.47E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	9/28/2010	676.1	3.28E-02	2.31E-03	1.22E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	10/4/2010	486	1.99E-02	2.33E-03	1.95E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	10/12/2010	673.4	3.50E-02	2.39E-03	1.26E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	10/18/2010	500.7	4.67E-02	3.20E-03	1.67E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	10/25/2010	591.2	4.19E-02	2.77E-03	1.36E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	11/1/2010	527.3	1.97E-02	2.19E-03	1.73E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	11/8/2010	632.6	1.81E-02	1.90E-03	1.47E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	11/15/2010	577.1	2.96E-02	2.45E-03	1.59E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	11/22/2010	578.8	3.18E-02	2.49E-03	1.48E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	11/30/2010	658.7	2.90E-02	2.26E-03	1.45E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	12/6/2010	490.4	3.24E-02	2.72E-03	1.57E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	12/13/2010	592.8	2.57E-02	2.26E-03	1.52E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	12/20/2010	547.1	2.76E-02	2.45E-03	1.69E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	12/28/2010	774	2.04E-02	1.74E-03	1.08E-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	Activity	2 Sigma Error	LLD
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	1/4/2010	515.8	2.85E-02	2.54E-03	1.67E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	1/11/2010	560.9	2.41E-02	2.25E-03	1.51E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	1/18/2010	587.3	3.01E-02	2.40E-03	1.41E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	1/25/2010	538	2.10E-02	2.20E-03	1.64E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	2/1/2010	517.5	2.61E-02	2.47E-03	1.78E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	2/8/2010	589.4	2.35E-02	2.18E-03	1.54E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	2/15/2010	571.8	1.99E-02	2.11E-03	1.69E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	2/22/2010	609.8	2.08E-02	2.02E-03	1.41E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	3/1/2010	617.1	1.95E-02	1.96E-03	1.43E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	3/8/2010	613.3	2.16E-02	2.08E-03	1.55E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	3/15/2010	618.5	2.13E-02	2.03E-03	1.42E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	3/22/2010	614	1.91E-02	1.97E-03	1.50E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	3/29/2010	613.4	1.90E-02	1.94E-03	1.42E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	4/6/2010	717.8	2.17E-02	1.87E-03	1.22E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	4/12/2010	537.9	2.56E-02	2.39E-03	1.68E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	4/18/2010	534.3	2.82E-02	2.50E-03	1.72E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	4/26/2010	720.6	2.47E-02	1.95E-03	1.10E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/3/2010	610.4	2.09E-02	2.01E-03	1.35E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/9/2010	565.4	2.13E-02	2.15E-03	1.59E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/17/2010	695	2.13E-02	1.89E-03	1.24E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/24/2010	553.3	1.59E-02	1.94E-03	1.61E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/31/2010	573.8	2.13E-02	2.12E-03	1.51E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	6/8/2010	659.2	2.21E-02	1.99E-03	1.36E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	6/13/2010	413.9	2.74E-02	2.81E-03	1.97E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	6/21/2010	662.6	2.41E-02	2.05E-03	1.32E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	6/28/2010	584.7	2.15E-02	2.12E-03	1.54E-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	Activity	2 Sigma Error	LLD
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	7/5/2010	575.9	1.69E-02	1.94E-03	1.55E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	7/12/2010	588	2.68E-02	2.31E-03	1.53E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	7/19/2010	578.4	1.89E-02	2.00E-03	1.46E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	7/27/2010	669.2	2.36E-02	2.02E-03	1.32E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	8/2/2010	497.5	2.00E-02	2.22E-03	1.64E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	8/9/2010	598.7	2.70E-02	2.28E-03	1.44E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	8/16/2010	574.7	2.25E-02	2.19E-03	1.61E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	8/23/2010	582.3	1.96E-02	2.03E-03	1.47E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	8/30/2010	582.1	3.01E-02	2.44E-03	1.53E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	9/7/2010	670.6	3.69E-02	2.45E-03	1.27E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	9/13/2010	479.9	3.36E-02	2.82E-03	1.69E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	9/20/2010	590.8	3.99E-02	2.73E-03	1.49E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	9/28/2010	662.2	3.29E-02	2.34E-03	1.25E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	10/4/2010	488.4	2.08E-02	2.36E-03	1.94E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	10/12/2010	662.1	3.32E-02	2.35E-03	1.29E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	10/18/2010	494.1	4.60E-02	3.20E-03	1.69E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	10/25/2010	587.5	4.11E-02	2.75E-03	1.37E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	11/1/2010	566.4	2.09E-02	2.14E-03	1.61E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	11/8/2010	575.5	1.87E-02	2.04E-03	1.62E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	11/15/2010	570.3	2.85E-02	2.42E-03	1.61E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	11/22/2010	572.9	2.81E-02	2.38E-03	1.50E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	11/30/2010	650.9	2.49E-02	2.13E-03	1.46E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	12/6/2010	486.3	3.14E-02	2.70E-03	1.58E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	12/13/2010	564.4	2.42E-02	2.27E-03	1.60E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	12/20/2010	564.7	2.35E-02	2.26E-03	1.64E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	12/28/2010	745	2.20E-02	1.84E-03	1.12E-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	1/4/2010	589.0		<LLD		2.12E-02
1	24.4 MI ESE - FLORENCE - CONTROL	1/11/2010	587.9		<LLD		9.73E-03
1	24.4 MI ESE - FLORENCE - CONTROL	1/18/2010	588.2		<LLD		2.38E-02
1	24.4 MI ESE - FLORENCE - CONTROL	1/25/2010	597.7		<LLD		2.03E-02
1	24.4 MI ESE - FLORENCE - CONTROL	2/1/2010	586.5		<LLD		1.54E-02
1	24.4 MI ESE - FLORENCE - CONTROL	2/8/2010	637.8		<LLD		2.05E-02
1	24.4 MI ESE - FLORENCE - CONTROL	2/15/2010	538.5		<LLD		1.73E-02
1	24.4 MI ESE - FLORENCE - CONTROL	2/22/2010	584.7		<LLD		2.61E-02
1	24.4 MI ESE - FLORENCE - CONTROL	3/1/2010	586.7		<LLD		1.95E-02
1	24.4 MI ESE - FLORENCE - CONTROL	3/8/2010	594.1		<LLD		2.12E-02
1	24.4 MI ESE - FLORENCE - CONTROL	3/15/2010	586.5		<LLD		2.23E-02
1	24.4 MI ESE - FLORENCE - CONTROL	3/22/2010	586.0		<LLD		1.85E-02
1	24.4 MI ESE - FLORENCE - CONTROL	3/29/2010	557.6		<LLD		1.68E-02
1	24.4 MI ESE - FLORENCE - CONTROL	4/6/2010	709.7		<LLD		1.36E-02
1	24.4 MI ESE - FLORENCE - CONTROL	4/12/2010	506.7		<LLD		1.99E-02
1	24.4 MI ESE - FLORENCE - CONTROL	4/18/2010	506.2		<LLD		1.64E-02
1	24.4 MI ESE - FLORENCE - CONTROL	4/26/2010	676.7		<LLD		1.52E-02
1	24.4 MI ESE - FLORENCE - CONTROL	5/3/2010	573.7		<LLD		1.73E-02
1	24.4 MI ESE - FLORENCE - CONTROL	5/9/2010	507.9		<LLD		1.97E-02
1	24.4 MI ESE - FLORENCE - CONTROL	5/17/2010	671.3		<LLD		1.97E-02
1	24.4 MI ESE - FLORENCE - CONTROL	5/24/2010	596.8		<LLD		2.21E-02
1	24.4 MI ESE - FLORENCE - CONTROL	5/31/2010	612.4		<LLD		1.31E-02
1	24.4 MI ESE - FLORENCE - CONTROL	6/8/2010	675.4		<LLD		2.40E-02
1	24.4 MI ESE - FLORENCE - CONTROL	6/13/2010	426.5		<LLD		2.78E-02
1	24.4 MI ESE - FLORENCE - CONTROL	6/21/2010	681.9		<LLD		1.79E-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	6/28/2010	594.6		<LLD		1.95E-02
1	24.4 MI ESE - FLORENCE - CONTROL	7/5/2010	594.3		<LLD		1.66E-02
1	24.4 MI ESE - FLORENCE - CONTROL	7/12/2010	595.6		<LLD		1.48E-02
1	24.4 MI ESE - FLORENCE - CONTROL	7/19/2010	588.7		<LLD		9.80E-03
1	24.4 MI ESE - FLORENCE - CONTROL	7/27/2010	678.5		<LLD		8.76E-03
1	24.4 MI ESE - FLORENCE - CONTROL	8/2/2010	481.6		<LLD		1.14E-02
1	24.4 MI ESE - FLORENCE - CONTROL	8/9/2010	627.5		<LLD		1.76E-02
1	24.4 MI ESE - FLORENCE - CONTROL	8/16/2010	563.6		<LLD		1.92E-02
1	24.4 MI ESE - FLORENCE - CONTROL	8/23/2010	587.9		<LLD		2.31E-02
1	24.4 MI ESE - FLORENCE - CONTROL	8/30/2010	593.6		<LLD		1.74E-02
1	24.4 MI ESE - FLORENCE - CONTROL	9/7/2010	677.3		<LLD		1.94E-02
1	24.4 MI ESE - FLORENCE - CONTROL	9/13/2010	534.5		<LLD		2.10E-02
1	24.4 MI ESE - FLORENCE - CONTROL	9/20/2010	566.9		<LLD		1.63E-02
1	24.4 MI ESE - FLORENCE - CONTROL	9/28/2010	675.9		<LLD		1.56E-02
1	24.4 MI ESE - FLORENCE - CONTROL	10/4/2010	503.7		<LLD		1.94E-02
1	24.4 MI ESE - FLORENCE - CONTROL	10/12/2010	706.9		<LLD		1.71E-02
1	24.4 MI ESE - FLORENCE - CONTROL	10/18/2010	501.0		<LLD		1.54E-02
1	24.4 MI ESE - FLORENCE - CONTROL	10/25/2010	584.3		<LLD		1.26E-02
1	24.4 MI ESE - FLORENCE - CONTROL	11/1/2010	558.3		<LLD		1.60E-02
1	24.4 MI ESE - FLORENCE - CONTROL	11/8/2010	613.3		<LLD		1.62E-02
1	24.4 MI ESE - FLORENCE - CONTROL	11/15/2010	578.8		<LLD		2.12E-02
1	24.4 MI ESE - FLORENCE - CONTROL	11/22/2010	576.7		<LLD		1.95E-02
1	24.4 MI ESE - FLORENCE - CONTROL	11/30/2010	666.9		<LLD		2.05E-02
1	24.4 MI ESE - FLORENCE - CONTROL	12/6/2010	491.2		<LLD		2.38E-02
1	24.4 MI ESE - FLORENCE - CONTROL	12/13/2010	565.1		<LLD		1.43E-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	12/20/2010	581.4		<LLD		9.00E-03
1	24.4 MI ESE - FLORENCE - CONTROL	12/28/2010	775.9		<LLD		1.16E-02
2	0.2 MI S - INFORMATION CENTER	1/4/2010	590.1		<LLD		1.68E-02
2	0.2 MI S - INFORMATION CENTER	1/11/2010	591.8		<LLD		1.78E-02
2	0.2 MI S - INFORMATION CENTER	1/18/2010	585.7		<LLD		1.67E-02
2	0.2 MI S - INFORMATION CENTER	1/25/2010	584.8		<LLD		1.48E-02
2	0.2 MI S - INFORMATION CENTER	2/1/2010	588.9		<LLD		2.31E-02
2	0.2 MI S - INFORMATION CENTER	2/8/2010	590.9		<LLD		1.35E-02
2	0.2 MI S - INFORMATION CENTER	2/15/2010	577.0		<LLD		8.64E-03
2	0.2 MI S - INFORMATION CENTER	2/22/2010	578.4		<LLD		1.38E-02
2	0.2 MI S - INFORMATION CENTER	3/1/2010	585.2		<LLD		1.80E-02
2	0.2 MI S - INFORMATION CENTER	3/8/2010	585.6		<LLD		1.36E-02
2	0.2 MI S - INFORMATION CENTER	3/15/2010	578.1		<LLD		1.49E-02
2	0.2 MI S - INFORMATION CENTER	3/22/2010	573.5		<LLD		1.22E-02
2	0.2 MI S - INFORMATION CENTER	3/29/2010	574.6		<LLD		2.31E-02
2	0.2 MI S - INFORMATION CENTER	4/6/2010	660.4		<LLD		1.36E-02
2	0.2 MI S - INFORMATION CENTER	4/12/2010	516.8		<LLD		1.61E-02
2	0.2 MI S - INFORMATION CENTER	4/18/2010	483.5		<LLD		2.53E-02
2	0.2 MI S - INFORMATION CENTER	4/26/2010	665.7		<LLD		1.91E-02
2	0.2 MI S - INFORMATION CENTER	5/3/2010	561.3		<LLD		2.16E-02
2	0.2 MI S - INFORMATION CENTER	5/9/2010	511.4		<LLD		1.49E-02
2	0.2 MI S - INFORMATION CENTER	5/17/2010	638.1		<LLD		1.52E-02
2	0.2 MI S - INFORMATION CENTER	5/24/2010	627.8		<LLD		2.04E-02
2	0.2 MI S - INFORMATION CENTER	5/31/2010	645.9		<LLD		1.34E-02
2	0.2 MI S - INFORMATION CENTER	6/8/2010	734.5		<LLD		1.46E-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	6/13/2010	459.1		<LLD		1.64E-02
2	0.2 MI S - INFORMATION CENTER	6/21/2010	735.2		<LLD		1.73E-02
2	0.2 MI S - INFORMATION CENTER	6/28/2010	644.9		<LLD		8.86E-03
2	0.2 MI S - INFORMATION CENTER	7/5/2010	642.2		<LLD		1.46E-02
2	0.2 MI S - INFORMATION CENTER	7/12/2010	649.4		<LLD		7.77E-03
2	0.2 MI S - INFORMATION CENTER	7/19/2010	129.1		<LLD		8.96E-02
2	0.2 MI S - INFORMATION CENTER	7/27/2010	730.2		<LLD		1.52E-02
2	0.2 MI S - INFORMATION CENTER	8/2/2010	549.2		<LLD		2.60E-02
2	0.2 MI S - INFORMATION CENTER	8/9/2010	655.6		<LLD		1.41E-02
2	0.2 MI S - INFORMATION CENTER	8/16/2010	629.8		<LLD		1.60E-02
2	0.2 MI S - INFORMATION CENTER	8/23/2010	648.7		<LLD		1.82E-02
2	0.2 MI S - INFORMATION CENTER	8/30/2010	632.3		<LLD		1.28E-02
2	0.2 MI S - INFORMATION CENTER	9/7/2010	740.0		<LLD		1.72E-02
2	0.2 MI S - INFORMATION CENTER	9/13/2010	549.2		<LLD		1.75E-02
2	0.2 MI S - INFORMATION CENTER	9/20/2010	653.9		<LLD		1.66E-02
2	0.2 MI S - INFORMATION CENTER	9/28/2010	796.4		<LLD		1.24E-02
2	0.2 MI S - INFORMATION CENTER	10/4/2010	545.1		<LLD		1.31E-02
2	0.2 MI S - INFORMATION CENTER	10/12/2010	744.1		<LLD		1.58E-02
2	0.2 MI S - INFORMATION CENTER	10/18/2010	553.8		<LLD		1.57E-02
2	0.2 MI S - INFORMATION CENTER	10/25/2010	656.3		<LLD		1.70E-02
2	0.2 MI S - INFORMATION CENTER	11/1/2010	637.7		<LLD		1.82E-02
2	0.2 MI S - INFORMATION CENTER	11/8/2010	657.8		<LLD		1.72E-02
2	0.2 MI S - INFORMATION CENTER	11/15/2010	649.5		<LLD		1.24E-02
2	0.2 MI S - INFORMATION CENTER	11/22/2010	647.7		<LLD		1.61E-02
2	0.2 MI S - INFORMATION CENTER	11/30/2010	740.7		<LLD		1.03E-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	12/6/2010	560.4		<LLD		1.37E-02
2	0.2 MI S - INFORMATION CENTER	12/13/2010	686.6		<LLD		1.44E-02
2	0.2 MI S - INFORMATION CENTER	12/20/2010	627.4		<LLD		1.74E-02
2	0.2 MI S - INFORMATION CENTER	12/28/2010	707.8		<LLD		1.71E-02
3	0.5 MI N - MICROWAVE TOWER	1/4/2010	526.6		<LLD		2.02E-02
3	0.5 MI N - MICROWAVE TOWER	1/11/2010	537.0		<LLD		1.92E-02
3	0.5 MI N - MICROWAVE TOWER	1/18/2010	539.3		<LLD		1.30E-02
3	0.5 MI N - MICROWAVE TOWER	1/25/2010	520.4		<LLD		1.74E-02
3	0.5 MI N - MICROWAVE TOWER	2/1/2010	523.6		<LLD		2.41E-02
3	0.5 MI N - MICROWAVE TOWER	2/8/2010	528.6		<LLD		2.29E-02
3	0.5 MI N - MICROWAVE TOWER	2/15/2010	512.8		<LLD		9.74E-03
3	0.5 MI N - MICROWAVE TOWER	2/22/2010	525.0		<LLD		1.54E-02
3	0.5 MI N - MICROWAVE TOWER	3/1/2010	525.7		<LLD		1.53E-02
3	0.5 MI N - MICROWAVE TOWER	3/8/2010	529.9		<LLD		1.32E-02
3	0.5 MI N - MICROWAVE TOWER	3/15/2010	516.1		<LLD		2.35E-02
3	0.5 MI N - MICROWAVE TOWER	3/22/2010	516.7		<LLD		2.04E-02
3	0.5 MI N - MICROWAVE TOWER	3/29/2010	521.0		<LLD		2.08E-02
3	0.5 MI N - MICROWAVE TOWER	4/6/2010	599.7		<LLD		1.57E-02
3	0.5 MI N - MICROWAVE TOWER	4/12/2010	454.7		<LLD		1.91E-02
3	0.5 MI N - MICROWAVE TOWER	4/18/2010	451.0		<LLD		1.85E-02
3	0.5 MI N - MICROWAVE TOWER	4/26/2010	611.6		<LLD		1.46E-02
3	0.5 MI N - MICROWAVE TOWER	5/3/2010	506.4		<LLD		2.19E-02
3	0.5 MI N - MICROWAVE TOWER	5/9/2010	452.4		<LLD		2.32E-02
3	0.5 MI N - MICROWAVE TOWER	5/17/2010	597.0		<LLD		2.13E-02
3	0.5 MI N - MICROWAVE TOWER	5/24/2010	589.2		<LLD		1.30E-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
3	0.5 MI N - MICROWAVE TOWER	5/31/2010	580.6		<LLD		1.96E-02
3	0.5 MI N - MICROWAVE TOWER	6/8/2010	666.5		<LLD		8.90E-03
3	0.5 MI N - MICROWAVE TOWER	6/13/2010	404.7		<LLD		1.63E-02
3	0.5 MI N - MICROWAVE TOWER	6/21/2010	679.2		<LLD		1.53E-02
3	0.5 MI N - MICROWAVE TOWER	6/28/2010	586.5		<LLD		2.15E-02
3	0.5 MI N - MICROWAVE TOWER	7/5/2010	579.8		<LLD		2.05E-02
3	0.5 MI N - MICROWAVE TOWER	7/12/2010	582.4		<LLD		2.12E-02
3	0.5 MI N - MICROWAVE TOWER	7/19/2010	570.8		<LLD		1.76E-02
3	0.5 MI N - MICROWAVE TOWER	7/27/2010	657.5		<LLD		1.69E-02
3	0.5 MI N - MICROWAVE TOWER	8/2/2010	501.8		<LLD		2.19E-02
3	0.5 MI N - MICROWAVE TOWER	8/9/2010	584.3		<LLD		1.38E-02
3	0.5 MI N - MICROWAVE TOWER	8/16/2010	578.5		<LLD		1.99E-02
3	0.5 MI N - MICROWAVE TOWER	8/23/2010	569.3		<LLD		1.01E-02
3	0.5 MI N - MICROWAVE TOWER	8/30/2010	594.0		<LLD		1.45E-02
3	0.5 MI N - MICROWAVE TOWER	9/7/2010	655.7		<LLD		1.57E-02
3	0.5 MI N - MICROWAVE TOWER	9/13/2010	499.1		<LLD		2.54E-02
3	0.5 MI N - MICROWAVE TOWER	9/20/2010	586.9		<LLD		1.67E-02
3	0.5 MI N - MICROWAVE TOWER	9/28/2010	670.8		<LLD		1.62E-02
3	0.5 MI N - MICROWAVE TOWER	10/4/2010	480.7		<LLD		1.70E-02
3	0.5 MI N - MICROWAVE TOWER	10/12/2010	662.1		<LLD		1.55E-02
3	0.5 MI N - MICROWAVE TOWER	10/18/2010	491.7		<LLD		2.48E-02
3	0.5 MI N - MICROWAVE TOWER	10/25/2010	578.4		<LLD		1.97E-02
3	0.5 MI N - MICROWAVE TOWER	11/1/2010	572.2		<LLD		2.34E-02
3	0.5 MI N - MICROWAVE TOWER	11/8/2010	562.8		<LLD		1.76E-02
3	0.5 MI N - MICROWAVE TOWER	11/15/2010	549.3		<LLD		1.44E-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	11/22/2010	551.8		<LLD		1.44E-02
3	0.5 MI N - MICROWAVE TOWER	11/30/2010	653.3		<LLD		6.45E-03
3	0.5 MI N - MICROWAVE TOWER	12/6/2010	476.6		<LLD		8.17E-03
3	0.5 MI N - MICROWAVE TOWER	12/13/2010	536.1		<LLD		1.51E-02
3	0.5 MI N - MICROWAVE TOWER	12/20/2010	558.2		<LLD		1.64E-02
3	0.5 MI N - MICROWAVE TOWER	12/28/2010	578.3		<LLD		1.03E-02
4	0.4 MI ESE - SPILLWAY	1/4/2010	604.3		<LLD		1.40E-02
4	0.4 MI ESE - SPILLWAY	1/11/2010	601.2		<LLD		1.31E-02
4	0.4 MI ESE - SPILLWAY	1/18/2010	607.8		<LLD		1.41E-02
4	0.4 MI ESE - SPILLWAY	1/25/2010	581.9		<LLD		2.33E-02
4	0.4 MI ESE - SPILLWAY	2/1/2010	602.2		<LLD		6.73E-03
4	0.4 MI ESE - SPILLWAY	2/8/2010	606.6		<LLD		2.24E-02
4	0.4 MI ESE - SPILLWAY	2/15/2010	594.5		<LLD		1.68E-02
4	0.4 MI ESE - SPILLWAY	2/22/2010	592.3		<LLD		2.14E-02
4	0.4 MI ESE - SPILLWAY	3/1/2010	610.5		<LLD		1.63E-02
4	0.4 MI ESE - SPILLWAY	3/8/2010	604.0		<LLD		1.53E-02
4	0.4 MI ESE - SPILLWAY	3/15/2010	608.0		<LLD		1.29E-02
4	0.4 MI ESE - SPILLWAY	3/22/2010	556.9		<LLD		1.95E-02
4	0.4 MI ESE - SPILLWAY	3/29/2010	605.2		<LLD		1.55E-02
4	0.4 MI ESE - SPILLWAY	4/6/2010	704.9		<LLD		1.87E-02
4	0.4 MI ESE - SPILLWAY	4/12/2010	529.9		<LLD		2.11E-02
4	0.4 MI ESE - SPILLWAY	4/18/2010	525.8		<LLD		1.71E-02
4	0.4 MI ESE - SPILLWAY	4/26/2010	714.2		<LLD		1.97E-02
4	0.4 MI ESE - SPILLWAY	5/3/2010	595.4		<LLD		1.77E-02
4	0.4 MI ESE - SPILLWAY	5/9/2010	554.1		<LLD		1.74E-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	5/17/2010	689.8		<LLD		1.60E-02
4	0.4 MI ESE - SPILLWAY	5/24/2010	619.3		<LLD		1.95E-02
4	0.4 MI ESE - SPILLWAY	5/31/2010	637.3		<LLD		1.99E-02
4	0.4 MI ESE - SPILLWAY	6/8/2010	733.0		<LLD		1.40E-02
4	0.4 MI ESE - SPILLWAY	6/13/2010	460.4		<LLD		1.49E-02
4	0.4 MI ESE - SPILLWAY	6/21/2010	738.8		<LLD		1.41E-02
4	0.4 MI ESE - SPILLWAY	6/28/2010	643.5		<LLD		1.41E-02
4	0.4 MI ESE - SPILLWAY	7/5/2010	614.5		<LLD		1.91E-02
4	0.4 MI ESE - SPILLWAY	7/12/2010	636.9		<LLD		1.12E-02
4	0.4 MI ESE - SPILLWAY	7/19/2010	629.1		<LLD		1.78E-02
4	0.4 MI ESE - SPILLWAY	7/27/2010	735.8		<LLD		9.93E-03
4	0.4 MI ESE - SPILLWAY	8/2/2010	551.8		<LLD		1.73E-02
4	0.4 MI ESE - SPILLWAY	8/9/2010	658.1		<LLD		1.60E-02
4	0.4 MI ESE - SPILLWAY	8/16/2010	637.6		<LLD		1.59E-02
4	0.4 MI ESE - SPILLWAY	8/23/2010	644.0		<LLD		1.54E-02
4	0.4 MI ESE - SPILLWAY	8/30/2010	641.5		<LLD		1.64E-02
4	0.4 MI ESE - SPILLWAY	9/7/2010	739.7		<LLD		1.63E-02
4	0.4 MI ESE - SPILLWAY	9/13/2010	550.1		<LLD		1.52E-02
4	0.4 MI ESE - SPILLWAY	9/20/2010	650.4		<LLD		1.59E-02
4	0.4 MI ESE - SPILLWAY	9/28/2010	734.4		<LLD		1.76E-02
4	0.4 MI ESE - SPILLWAY	10/4/2010	530.9		<LLD		1.52E-02
4	0.4 MI ESE - SPILLWAY	10/12/2010	728.9		<LLD		1.32E-02
4	0.4 MI ESE - SPILLWAY	10/18/2010	542.5		<LLD		1.84E-02
4	0.4 MI ESE - SPILLWAY	10/25/2010	640.3		<LLD		1.99E-02
4	0.4 MI ESE - SPILLWAY	11/1/2010	625.8		<LLD		2.05E-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
4	0.4 MI ESE - SPILLWAY	11/8/2010	628.6		<LLD		1.58E-02
4	0.4 MI ESE - SPILLWAY	11/15/2010	625.2		<LLD		1.70E-02
4	0.4 MI ESE - SPILLWAY	11/22/2010	628.2		<LLD		1.36E-02
4	0.4 MI ESE - SPILLWAY	11/30/2010	710.7		<LLD		1.54E-02
4	0.4 MI ESE - SPILLWAY	12/6/2010	528.6		<LLD		2.47E-02
4	0.4 MI ESE - SPILLWAY	12/13/2010	640.6		<LLD		1.55E-02
4	0.4 MI ESE - SPILLWAY	12/20/2010	591.3		<LLD		1.10E-02
4	0.4 MI ESE - SPILLWAY	12/28/2010	738.3		<LLD		1.57E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	1/4/2010	570.7		<LLD		2.19E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	1/11/2010	573.0		<LLD		2.03E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	1/18/2010	569.0		<LLD		2.22E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	1/25/2010	570.1		<LLD		1.74E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	2/1/2010	529.0		<LLD		1.99E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	2/8/2010	571.2		<LLD		1.74E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	2/15/2010	563.5		<LLD		1.75E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	2/22/2010	563.5		<LLD		1.97E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	3/1/2010	567.5		<LLD		2.23E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	3/8/2010	571.3		<LLD		2.29E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	3/15/2010	552.8		<LLD		2.83E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	3/22/2010	571.0		<LLD		1.74E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	3/29/2010	561.3		<LLD		2.23E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	4/6/2010	660.9		<LLD		1.66E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	4/12/2010	476.8		<LLD		2.64E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	4/18/2010	488.2		<LLD		1.97E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	4/26/2010	664.4		<LLD		1.45E-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	5/3/2010	540.2		<LLD		2.06E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	5/9/2010	491.4		<LLD		2.40E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	5/17/2010	636.4		<LLD		2.00E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	5/24/2010	573.3		<LLD		2.11E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	5/31/2010	563.1		<LLD		1.75E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	6/8/2010	644.6		<LLD		1.87E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	6/13/2010	401.5		<LLD		1.64E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	6/21/2010	645.9		<LLD		1.89E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	6/28/2010	567.8		<LLD		2.47E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	7/5/2010	559.7		<LLD		1.32E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	7/12/2010	569.3		<LLD		1.55E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	7/19/2010	543.8		<LLD		1.07E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	7/27/2010	631.2		<LLD		9.46E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	8/2/2010	473.1		<LLD		1.84E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	8/9/2010	565.8		<LLD		2.05E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	8/16/2010	543.8		<LLD		2.28E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	8/23/2010	565.6		<LLD		2.24E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	8/30/2010	543.7		<LLD		1.34E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	9/7/2010	633.8		<LLD		2.07E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	9/13/2010	473.8		<LLD		1.65E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	9/20/2010	567.9		<LLD		1.53E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	9/28/2010	626.2		<LLD		1.51E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	10/4/2010	467.7		<LLD		1.38E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	10/12/2010	638.5		<LLD		1.51E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	10/18/2010	482.4		<LLD		2.43E-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	10/25/2010	580.6		<LLD		1.88E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	11/1/2010	533.6		<LLD		2.05E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	11/8/2010	560.9		<LLD		1.40E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	11/15/2010	556.7		<LLD		1.45E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	11/22/2010	557.9		<LLD		1.89E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	11/30/2010	630.6		<LLD		1.83E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	12/6/2010	476.1		<LLD		2.56E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	12/13/2010	565.4		<LLD		1.52E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	12/20/2010	541.2		<LLD		2.32E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	12/28/2010	656.5		<LLD		1.16E-02
6	0.2 MI SSW - INFORMATION CENTER	1/4/2010	598.2		<LLD		2.12E-02
6	0.2 MI SSW - INFORMATION CENTER	1/11/2010	594.3		<LLD		1.23E-02
6	0.2 MI SSW - INFORMATION CENTER	1/18/2010	601.0		<LLD		1.33E-02
6	0.2 MI SSW - INFORMATION CENTER	1/25/2010	607.4		<LLD		1.52E-02
6	0.2 MI SSW - INFORMATION CENTER	2/1/2010	599.6		<LLD		1.66E-02
6	0.2 MI SSW - INFORMATION CENTER	2/8/2010	600.6		<LLD		1.63E-02
6	0.2 MI SSW - INFORMATION CENTER	2/15/2010	591.1		<LLD		9.74E-03
6	0.2 MI SSW - INFORMATION CENTER	2/22/2010	592.3		<LLD		1.66E-02
6	0.2 MI SSW - INFORMATION CENTER	3/1/2010	599.0		<LLD		1.64E-02
6	0.2 MI SSW - INFORMATION CENTER	3/8/2010	597.2		<LLD		1.64E-02
6	0.2 MI SSW - INFORMATION CENTER	3/15/2010	603.3		<LLD		1.63E-02
6	0.2 MI SSW - INFORMATION CENTER	3/22/2010	597.7		<LLD		1.76E-02
6	0.2 MI SSW - INFORMATION CENTER	3/29/2010	597.1		<LLD		1.70E-02
6	0.2 MI SSW - INFORMATION CENTER	4/6/2010	700.4		<LLD		8.41E-03
6	0.2 MI SSW - INFORMATION CENTER	4/12/2010	523.9		<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*
6	0.2 MI SSW - INFORMATION CENTER	4/18/2010	519.9		<LLD		2.27E-02
6	0.2 MI SSW - INFORMATION CENTER	4/26/2010	702.7		<LLD		1.04E-02
6	0.2 MI SSW - INFORMATION CENTER	5/3/2010	593.6		<LLD		2.06E-02
6	0.2 MI SSW - INFORMATION CENTER	5/9/2010	550.9		<LLD		1.75E-02
6	0.2 MI SSW - INFORMATION CENTER	5/17/2010	678.5		<LLD		1.68E-02
6	0.2 MI SSW - INFORMATION CENTER	5/24/2010	618.5		<LLD		1.82E-02
6	0.2 MI SSW - INFORMATION CENTER	5/31/2010	628.0		<LLD		2.10E-02
6	0.2 MI SSW - INFORMATION CENTER	6/8/2010	720.8		<LLD		6.65E-03
6	0.2 MI SSW - INFORMATION CENTER	6/13/2010	452.3		<LLD		2.42E-02
6	0.2 MI SSW - INFORMATION CENTER	6/21/2010	726.4		<LLD		1.24E-02
6	0.2 MI SSW - INFORMATION CENTER	6/28/2010	637.4		<LLD		1.68E-02
6	0.2 MI SSW - INFORMATION CENTER	7/5/2010	627.1		<LLD		1.88E-02
6	0.2 MI SSW - INFORMATION CENTER	7/12/2010	636.2		<LLD		1.69E-02
6	0.2 MI SSW - INFORMATION CENTER	7/19/2010	622.3		<LLD		1.51E-02
6	0.2 MI SSW - INFORMATION CENTER	7/27/2010	719.9		<LLD		8.31E-03
6	0.2 MI SSW - INFORMATION CENTER	8/2/2010	537.0		<LLD		2.35E-02
6	0.2 MI SSW - INFORMATION CENTER	8/9/2010	645.7		<LLD		1.60E-02
6	0.2 MI SSW - INFORMATION CENTER	8/16/2010	620.6		<LLD		2.23E-02
6	0.2 MI SSW - INFORMATION CENTER	8/23/2010	629.8		<LLD		1.56E-02
6	0.2 MI SSW - INFORMATION CENTER	8/30/2010	627.3		<LLD		9.11E-03
6	0.2 MI SSW - INFORMATION CENTER	9/7/2010	723.3		<LLD		1.24E-02
6	0.2 MI SSW - INFORMATION CENTER	9/13/2010	536.1		<LLD		1.27E-02
6	0.2 MI SSW - INFORMATION CENTER	9/20/2010	637.4		<LLD		1.55E-02
6	0.2 MI SSW - INFORMATION CENTER	9/28/2010	715.0		<LLD		1.15E-02
6	0.2 MI SSW - INFORMATION CENTER	10/4/2010	523.9		<LLD		1.67E-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 - INFORMATION CENTER	10/12/2010	712.0		<LLD		1.26E-02
6	0.2 MI SSW - INFORMATION CENTER	10/18/2010	530.7		<LLD		2.21E-02
6	0.2 MI SSW - INFORMATION CENTER	10/25/2010	629.6		<LLD		1.78E-02
6	0.2 MI SSW - INFORMATION CENTER	11/1/2010	610.1		<LLD		1.55E-02
6	0.2 MI SSW - INFORMATION CENTER	11/8/2010	615.1		<LLD		1.41E-02
6	0.2 MI SSW - INFORMATION CENTER	11/15/2010	612.0		<LLD		1.64E-02
6	0.2 MI SSW - INFORMATION CENTER	11/22/2010	613.6		<LLD		1.18E-02
6	0.2 MI SSW - INFORMATION CENTER	11/30/2010	696.9		<LLD		1.38E-02
6	0.2 MI SSW - INFORMATION CENTER	12/6/2010	518.5		<LLD		1.49E-02
6	0.2 MI SSW - INFORMATION CENTER	12/13/2010	628.6		<LLD		1.12E-02
6	0.2 MI SSW - INFORMATION CENTER	12/20/2010	573.4		<LLD		1.75E-02
6	0.2 MI SSW - INFORMATION CENTER	12/28/2010	718.2		<LLD		1.69E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	1/4/2010	612.6		<LLD		1.42E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	1/11/2010	620.6		<LLD		1.60E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	1/18/2010	606.0		<LLD		1.77E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	1/25/2010	621.3		<LLD		1.30E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	2/1/2010	615.2		<LLD		1.32E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	2/8/2010	615.0		<LLD		1.61E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	2/15/2010	516.2		<LLD		1.94E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	2/22/2010	615.5		<LLD		1.47E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	3/1/2010	626.8		<LLD		1.83E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	3/8/2010	614.8		<LLD		1.62E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	3/15/2010	620.2		<LLD		6.52E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	3/22/2010	622.1		<LLD		2.11E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	3/29/2010	615.0		<LLD		9.54E-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*
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	4/6/2010	732.2		<LLD		1.66E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	4/12/2010	548.1		<LLD		1.74E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	4/18/2010	537.3		<LLD		2.28E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	4/26/2010	726.6		<LLD		1.50E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	5/3/2010	612.5		<LLD		2.23E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	5/9/2010	545.0		<LLD		2.34E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	5/17/2010	720.3		<LLD		1.18E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	5/24/2010	572.8		<LLD		1.33E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	5/31/2010	602.8		<LLD		2.03E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	6/8/2010	690.3		<LLD		1.72E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	6/13/2010	439.9		<LLD		2.70E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	6/21/2010	714.4		<LLD		1.71E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	6/28/2010	585.0		<LLD		1.90E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	7/5/2010	607.5		<LLD		1.22E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	7/12/2010	608.9		<LLD		2.12E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	7/19/2010	607.5		<LLD		1.75E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	7/27/2010	688.4		<LLD		1.63E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	8/2/2010	517.0		<LLD		1.99E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	8/9/2010	618.1		<LLD		1.73E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	8/16/2010	597.2		<LLD		2.03E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	8/23/2010	615.1		<LLD		1.32E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	8/30/2010	604.8		<LLD		1.74E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	9/7/2010	685.1		<LLD		1.37E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	9/13/2010	512.5		<LLD		2.39E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	9/20/2010	609.1		<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., HARTSVI	9/28/2010	688.5		<LLD		1.58E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	10/4/2010	498.5		<LLD		1.64E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	10/12/2010	695.1		<LLD		1.21E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	10/18/2010	506.2		<LLD		1.76E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	10/25/2010	596.8		<LLD		2.30E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	11/1/2010	595.6		<LLD		2.60E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	11/8/2010	589.1		<LLD		1.82E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	11/15/2010	589.5		<LLD		2.08E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	11/22/2010	585.9		<LLD		1.36E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	11/30/2010	674.9		<LLD		6.25E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	12/6/2010	495.7		<LLD		2.08E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	12/13/2010	575.4		<LLD		2.28E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	12/20/2010	582.4		<LLD		1.93E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	12/28/2010	785.9		<LLD		1.08E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/4/2010	564.9		<LLD		2.12E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/11/2010	561.5		<LLD		1.77E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/18/2010	565.0		<LLD		1.97E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/25/2010	571.7		<LLD		1.73E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/1/2010	565.7		<LLD		1.97E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/8/2010	567.0		<LLD		2.48E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/15/2010	559.2		<LLD		1.78E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/22/2010	559.7		<LLD		1.54E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/1/2010	566.6		<LLD		2.06E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/8/2010	562.9		<LLD		1.87E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/15/2010	573.8		<LLD		2.03E-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	3/22/2010	565.9		<LLD		1.43E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/29/2010	565.2		<LLD		1.27E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/6/2010	662.7		<LLD		1.99E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/12/2010	496.5		<LLD		1.66E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/18/2010	492.9		<LLD		2.04E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/26/2010	665.4		<LLD		1.69E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/3/2010	562.0		<LLD		2.51E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/9/2010	517.9		<LLD		1.50E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/17/2010	647.0		<LLD		1.27E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/24/2010	615.4		<LLD		1.86E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/31/2010	658.9		<LLD		1.80E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/8/2010	755.4		<LLD		9.64E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/13/2010	470.0		<LLD		2.10E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/21/2010	755.9		<LLD		1.76E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/28/2010	666.2		<LLD		1.49E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/5/2010	655.8		<LLD		1.88E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/12/2010	669.7		<LLD		1.07E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/19/2010	655.5		<LLD		1.80E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/27/2010	749.6		<LLD		1.13E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/2/2010	560.1		<LLD		1.81E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/9/2010	676.1		<LLD		1.16E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/16/2010	650.8		<LLD		1.23E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/23/2010	663.6		<LLD		1.40E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/30/2010	662.4		<LLD		1.75E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/7/2010	753.0		<LLD		1.61E-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	9/13/2010	567.7		<LLD		2.16E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/20/2010	670.2		<LLD		1.55E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/28/2010	760.1		<LLD		1.08E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/4/2010	550.4		<LLD		2.03E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/12/2010	760.5		<LLD		1.27E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/18/2010	564.8		<LLD		1.83E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/25/2010	664.3		<LLD		1.49E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/1/2010	652.7		<LLD		1.19E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/8/2010	655.6		<LLD		1.70E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/15/2010	652.6		<LLD		1.01E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/22/2010	652.3		<LLD		1.92E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/30/2010	744.6		<LLD		1.70E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/6/2010	547.9		<LLD		2.14E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/13/2010	663.7		<LLD		1.50E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/20/2010	614.3		<LLD		1.36E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/28/2010	766.6		<LLD		1.07E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	1/4/2010	577.2		<LLD		2.70E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	1/11/2010	578.4		<LLD		1.92E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	1/18/2010	572.7		<LLD		2.13E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	1/25/2010	572.2		<LLD		1.73E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	2/1/2010	486.7		<LLD		2.04E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	2/8/2010	577.5		<LLD		2.19E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	2/15/2010	592.0		<LLD		2.08E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	2/22/2010	639.7		<LLD		1.27E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	3/1/2010	587.3		<LLD		1.77E-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	3/8/2010	625.2		<LLD		2.10E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	3/15/2010	610.8		<LLD		2.07E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	3/22/2010	603.9		<LLD		1.93E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	3/29/2010	606.0		<LLD		1.75E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	4/6/2010	708.1		<LLD		1.52E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	4/12/2010	532.0		<LLD		2.29E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	4/18/2010	527.6		<LLD		1.82E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	4/26/2010	714.2		<LLD		1.45E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	5/3/2010	587.5		<LLD		2.33E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	5/9/2010	555.0		<LLD		2.21E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	5/17/2010	689.5		<LLD		2.50E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	5/24/2010	540.6		<LLD		2.12E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	5/31/2010	548.5		<LLD		2.49E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	6/8/2010	628.3		<LLD		1.42E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	6/13/2010	393.8		<LLD		2.59E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	6/21/2010	633.9		<LLD		2.18E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	6/28/2010	550.3		<LLD		2.47E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	7/5/2010	526.7		<LLD		1.26E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	7/12/2010	537.2		<LLD		1.65E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	7/19/2010	544.5		<LLD		1.85E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	7/27/2010	575.5		<LLD		1.28E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	8/2/2010	508.0		<LLD		1.33E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	8/9/2010	604.0		<LLD		1.42E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	8/16/2010	585.9		<LLD		2.70E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	8/23/2010	593.0		<LLD		1.68E-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	8/30/2010	541.9		<LLD		1.71E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	9/7/2010	730.0		<LLD		2.23E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	9/13/2010	505.6		<LLD		1.74E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	9/20/2010	599.0		<LLD		1.35E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	9/28/2010	676.1		<LLD		1.28E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	10/4/2010	486.0		<LLD		1.46E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	10/12/2010	673.4		<LLD		1.71E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	10/18/2010	500.7		<LLD		1.79E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	10/25/2010	591.2		<LLD		1.20E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	11/1/2010	527.3		<LLD		2.08E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	11/8/2010	632.6		<LLD		1.84E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	11/15/2010	577.1		<LLD		1.85E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	11/22/2010	578.8		<LLD		1.82E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	11/30/2010	658.7		<LLD		1.11E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	12/6/2010	490.4		<LLD		2.07E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	12/13/2010	592.8		<LLD		2.22E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	12/20/2010	547.1		<LLD		1.33E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	12/28/2010	774.0		<LLD		1.59E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	1/4/2010	515.8		<LLD		1.53E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	1/11/2010	560.9		<LLD		1.55E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	1/18/2010	587.3		<LLD		2.09E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	1/25/2010	538.0		<LLD		2.06E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	2/1/2010	517.5		<LLD		2.27E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	2/8/2010	589.4		<LLD		1.36E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	2/15/2010	571.8		<LLD		7.13E-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 TRAC	2/22/2010	609.8		<LLD		2.58E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	3/1/2010	617.1		<LLD		1.14E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	3/8/2010	613.3		<LLD		1.31E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	3/15/2010	618.5		<LLD		1.18E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	3/22/2010	614.0		<LLD		1.60E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	3/29/2010	613.4		<LLD		2.03E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	4/6/2010	717.8		<LLD		1.44E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	4/12/2010	537.9		<LLD		1.85E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	4/18/2010	534.3		<LLD		2.21E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	4/26/2010	720.6		<LLD		1.60E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	5/3/2010	610.4		<LLD		9.46E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	5/9/2010	565.4		<LLD		1.48E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	5/17/2010	695.0		<LLD		1.78E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	5/24/2010	553.3		<LLD		2.41E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	5/31/2010	573.8		<LLD		1.74E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	6/8/2010	659.2		<LLD		1.26E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	6/13/2010	413.9		<LLD		2.60E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	6/21/2010	662.6		<LLD		1.93E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	6/28/2010	584.7		<LLD		2.20E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	7/5/2010	575.9		<LLD		2.14E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	7/12/2010	588.0		<LLD		1.72E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	7/19/2010	578.4		<LLD		1.74E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	7/27/2010	669.2		<LLD		1.10E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	8/2/2010	497.5		<LLD		6.80E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	8/9/2010	598.7		<LLD		9.55E-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 TRAC	8/16/2010	574.7		<LLD		2.32E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	8/23/2010	582.3		<LLD		2.03E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	8/30/2010	582.1		<LLD		1.21E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	9/7/2010	670.6		<LLD		1.13E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	9/13/2010	479.9		<LLD		2.35E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	9/20/2010	590.8		<LLD		1.58E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	9/28/2010	662.2		<LLD		1.68E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	10/4/2010	488.4		<LLD		1.94E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	10/12/2010	662.1		<LLD		1.54E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	10/18/2010	494.1		<LLD		1.92E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	10/25/2010	587.5		<LLD		2.00E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	11/1/2010	566.4		<LLD		1.80E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	11/8/2010	575.5		<LLD		1.58E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	11/15/2010	570.3		<LLD		2.38E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	11/22/2010	572.9		<LLD		1.79E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	11/30/2010	650.9		<LLD		9.19E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	12/6/2010	486.3		<LLD		2.59E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	12/13/2010	564.4		<LLD		2.07E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	12/20/2010	564.7		<LLD		1.61E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	12/28/2010	745.0		<LLD		1.30E-02

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Iodine

Sample Point		*Sample Date*	*Quantity*	*Activity*	*2 Sigma Error*	*LLD*
68	WELL A BETWN UNIT 1 SWITCHYARD AND BREAKROOM	3/10/2010	4.00			3.64E-01
68	WELL A BETWN UNIT 1 SWITCHYARD AND BREAKROOM	5/19/2010	4.00			3.58E-01
68	WELL A BETWN UNIT 1 SWITCHYARD AND BREAKROOM	8/9/2010	4.00			3.07E-01
68	WELL A BETWN UNIT 1 SWITCHYARD AND BREAKROOM	11/3/2010	4.00			3.92E-01

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Iodine

Sample Point		*Sample Date*	*Quantity*	*Activity*	*2 Sigma Error*	*LLD*
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) & AR	1/11/2010	3.80			6.46E-01
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) & AR	1/25/2010	4.00			6.74E-01
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) & AR	2/8/2010	4.00			5.63E-01
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) & AR	2/22/2010	4.00			5.24E-01
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) & AR	3/8/2010	4.00			5.35E-01
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) & AR	3/22/2010	4.00			5.23E-01
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) & AR	4/5/2010	4.00			6.14E-01
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) & AR	4/19/2010	4.00			5.82E-01
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) & AR	5/3/2010	4.00			6.07E-01
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) & AR	5/17/2010	4.00			6.83E-01
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	1/11/2010	3.90			5.22E-01
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	1/25/2010	4.00			5.52E-01
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	2/8/2010	4.00			6.65E-01
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	2/22/2010	4.00			5.90E-01
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	3/8/2010	4.00			6.40E-01
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	3/22/2010	4.00			6.08E-01
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	4/5/2010	4.00			5.16E-01
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	4/19/2010	4.00			5.10E-01
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/3/2010	4.00			4.82E-01
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/17/2010	4.00			5.50E-01

RNP Radiological Environmental Monitoring Analysis Report

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

Sample Point		Sample Date	Quantity	Activity	2 Sigma Error	LLD
42	UNIT 1 DEEP WELLS	3/8/2010	0.005	<LLD		2.06E+02
42	UNIT 1 DEEP WELLS	5/17/2010	0.005	<LLD		2.04E+02
42	UNIT 1 DEEP WELLS	8/9/2010	0.005	<LLD		2.01E+02
42	UNIT 1 DEEP WELLS	11/7/2010	0.005	<LLD		2.04E+02
64	0.6 MI SE - ARTESIAN WELL	3/8/2010	0.005	<LLD		2.07E+02
64	0.6 MI SE - ARTESIAN WELL	5/17/2010	0.005	<LLD		2.04E+02
64	0.6 MI SE - ARTESIAN WELL	8/10/2010	0.005	<LLD		1.99E+02
64	0.6 MI SE - ARTESIAN WELL	11/8/2010	0.005	<LLD		2.04E+02
68	WELL A BETWN UNIT 1 SWITCHYARD AND BREAKROO	3/10/2010	0.005	3.59E+02	1.27E+02	2.05E+02
68	WELL A BETWN UNIT 1 SWITCHYARD AND BREAKROO	5/19/2010	0.005	4.34E+02	1.28E+02	2.04E+02
68	WELL A BETWN UNIT 1 SWITCHYARD AND BREAKROO	8/10/2010	0.005	2.64E+02	1.23E+02	2.00E+02
68	WELL A BETWN UNIT 1 SWITCHYARD AND BREAKROO	11/3/2010	0.005	3.10E+02	1.25E+02	2.02E+02
69	WELL B BEHIND THE TRAINING BUILDING	3/8/2010	0.005	<LLD		2.06E+02
69	WELL B BEHIND THE TRAINING BUILDING	5/19/2010	0.005	<LLD		2.04E+02
69	WELL B BEHIND THE TRAINING BUILDING	8/10/2010	0.005	<LLD		1.98E+02
69	WELL B BEHIND THE TRAINING BUILDING	11/7/2010	0.005	<LLD		2.04E+02
70	WELL C BETWN O AND M BUILDING & FAB SHOP	3/8/2010	0.005	<LLD		2.07E+02
70	WELL C BETWN O AND M BUILDING & FAB SHOP	5/19/2010	0.005	<LLD		2.00E+02
70	WELL C BETWN O AND M BUILDING & FAB SHOP	8/10/2010	0.005	<LLD		1.99E+02
70	WELL C BETWN O AND M BUILDING & FAB SHOP	11/7/2010	0.005	<LLD		2.05E+02
71	0.87 MI NNW - MW-03A BETWN ASH POND & RR TRACK	3/9/2010	0.005	9.23E+02	1.33E+02	2.07E+02
71	0.87 MI NNW - MW-03A BETWN ASH POND & RR TRACK	5/19/2010	0.005	1.22E+03	1.35E+02	2.05E+02
71	0.87 MI NNW - MW-03A BETWN ASH POND & RR TRACK	8/9/2010	0.005	6.89E+02	1.27E+02	2.00E+02
71	0.87 MI NNW - MW-03A BETWN ASH POND & RR TRACK	11/2/2010	0.005	1.26E+03	1.34E+02	2.03E+02

RNP Radiological Environmental Monitoring Analysis Report

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

Sample Point		Sample Date	Quantity	Activity	2 Sigma Error	LLD
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HYDRANT	3/8/2010	0.005	2.96E+02	1.28E+02	2.07E+02
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HYDRANT	5/18/2010	0.005	4.87E+02	1.28E+02	2.04E+02
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HYDRANT	8/9/2010	0.005	3.70E+02	1.25E+02	2.01E+02
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HYDRANT	11/3/2010	0.005	3.48E+02	1.25E+02	2.02E+02
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CANAL & U/1	3/8/2010	0.005	9.21E+02	1.33E+02	2.07E+02
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CANAL & U/1	5/18/2010	0.005	1.26E+03	1.35E+02	2.05E+02
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CANAL & U/1	8/9/2010	0.005	9.03E+02	1.29E+02	2.00E+02
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CANAL & U/1	11/2/2010	0.005	4.44E+02	1.26E+02	2.02E+02
74	0.96 MI NNW - P-08-ASH 20 FT. W OF RR TRACKS AND	3/9/2010	0.005	8.61E+02	1.31E+02	2.04E+02
74	0.96 MI NNW - P-08-ASH 20 FT. W OF RR TRACKS AND	8/10/2010	0.005	8.74E+02	1.29E+02	2.00E+02
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE TO U/2	3/8/2010	0.005	4.37E+02	1.29E+02	2.07E+02
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE TO U/2	5/18/2010	0.005	4.90E+02	1.28E+02	2.04E+02
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE TO U/2	8/9/2010	0.005	3.47E+02	1.25E+02	2.00E+02
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE TO U/2	11/2/2010	0.005	2.53E+02	1.25E+02	2.02E+02
76	0.49 MI N - PSW-03 NE CORNER OF THE MET TOWER S	3/9/2010	0.005	3.12E+02	1.27E+02	2.04E+02
76	0.49 MI N - PSW-03 NE CORNER OF THE MET TOWER S	5/18/2010	0.005	3.35E+02	1.27E+02	2.04E+02
76	0.49 MI N - PSW-03 NE CORNER OF THE MET TOWER S	8/10/2010	0.005	3.01E+02	1.23E+02	1.98E+02
76	0.49 MI N - PSW-03 NE CORNER OF THE MET TOWER S	11/2/2010	0.005	<LLD		2.02E+02
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO U/1	3/10/2010	0.005	3.60E+02	1.28E+02	2.05E+02
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO U/1	5/17/2010	0.005	3.76E+02	1.27E+02	2.04E+02
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO U/1	8/9/2010	0.005	2.82E+02	1.24E+02	2.00E+02
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO U/1	11/2/2010	0.005	2.05E+02	1.24E+02	2.02E+02
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SETTLING	3/10/2010	0.005	4.03E+02	1.28E+02	2.05E+02
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SETTLING	5/18/2010	0.005	4.04E+02	1.28E+02	2.05E+02

RNP Radiological Environmental Monitoring Analysis Report

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

Sample Point		*Sample Date*	*Quantity*	*Activity*	*2 Sigma Error*	*LLD*
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SETTLING	8/9/2010	0.005	3.47E+02	1.24E+02	2.00E+02
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SETTLING	11/2/2010	0.005	2.41E+02	1.24E+02	2.01E+02
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCHARGE C	3/9/2010	0.005	1.71E+03	1.39E+02	2.05E+02
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCHARGE C	5/18/2010	0.005	1.74E+03	1.39E+02	2.05E+02
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCHARGE C	8/10/2010	0.005	1.59E+03	1.34E+02	1.99E+02
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCHARGE C	11/2/2010	0.005	1.36E+03	1.35E+02	2.04E+02
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET TOWER S	3/9/2010	0.005	1.15E+03	1.35E+02	2.07E+02
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET TOWER S	5/18/2010	0.005	1.18E+03	1.35E+02	2.05E+02
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET TOWER S	8/10/2010	0.005	2.55E+03	1.42E+02	1.99E+02
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET TOWER S	11/2/2010	0.005	1.90E+03	1.39E+02	2.04E+02
81	0.19 MI SSE - TS-17B W OF WEST SETTLING POND AC	3/9/2010	0.005	3.80E+02	1.27E+02	2.04E+02
81	0.19 MI SSE - TS-17B W OF WEST SETTLING POND AC	5/18/2010	0.005	4.42E+02	1.28E+02	2.05E+02
81	0.19 MI SSE - TS-17B W OF WEST SETTLING POND AC	8/10/2010	0.005	4.00E+02	1.25E+02	2.01E+02
81	0.19 MI SSE - TS-17B W OF WEST SETTLING POND AC	11/2/2010	0.005	3.55E+02	1.27E+02	2.05E+02

RNP Radiological Environmental Monitoring Analysis Report

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

Sample Point		Sample Date	Quantity	Activity	2 Sigma Error	LLD
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	1/22/2010	0.005	3.15E+03	1.51E+02	2.08E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	2/18/2010	0.005	4.02E+03	1.58E+02	2.08E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	3/19/2010	0.005	3.67E+03	1.52E+02	2.02E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	4/19/2010	0.005	3.49E+03	1.53E+02	2.06E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	5/22/2010	0.005	3.32E+03	1.53E+02	2.08E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	6/21/2010	0.005	2.74E+03	1.45E+02	2.02E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	7/22/2010	0.005	1.95E+03	1.38E+02	2.00E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	8/23/2010	0.005	1.29E+03	1.35E+02	2.04E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	9/20/2010	0.005	1.02E+03	1.31E+02	2.02E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	10/18/2010	0.005	1.47E+03	1.34E+02	2.00E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	11/15/2010	0.005	2.13E+03	1.39E+02	2.00E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	12/17/2010	0.005	2.39E+03	1.41E+02	1.99E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	1/22/2010	0.005	<LLD		2.08E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	2/18/2010	0.005	<LLD		2.08E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	3/19/2010	0.005	<LLD		2.02E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	4/19/2010	0.005	<LLD		2.07E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/22/2010	0.005	<LLD		2.07E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	6/21/2010	0.005	<LLD		2.02E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	7/22/2010	0.005	<LLD		2.00E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	8/23/2010	0.005	<LLD		2.03E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	9/20/2010	0.005	<LLD		2.02E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	10/18/2010	0.005	<LLD		2.00E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	11/15/2010	0.005	<LLD		2.00E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	12/17/2010	0.005	<LLD		2.00E+02

RNP Radiological Environmental Monitoring Analysis Report

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

Sample Point		Sample Date	Quantity	Activity	2 Sigma Error	LLD
57	ASH POND	1/22/2010	0.005	2.39E+03	1.46E+02	2.08E+02
57	ASH POND	2/18/2010	0.005	3.44E+03	1.53E+02	2.08E+02
57	ASH POND	3/19/2010	0.005	3.06E+03	1.48E+02	2.02E+02
57	ASH POND	4/19/2010	0.005	3.12E+03	1.51E+02	2.07E+02
57	ASH POND	5/22/2010	0.005	3.18E+03	1.52E+02	2.08E+02
57	ASH POND	6/21/2010	0.005	2.65E+03	1.45E+02	2.03E+02
57	ASH POND	7/22/2010	0.005	1.05E+03	1.30E+02	2.00E+02
57	ASH POND	8/23/2010	0.005	<LLD		2.02E+02
57	ASH POND	9/20/2010	0.005	6.89E+02	1.28E+02	2.02E+02
57	ASH POND	10/18/2010	0.005	1.46E+03	1.33E+02	1.98E+02
57	ASH POND	11/15/2010	0.005	2.18E+03	1.39E+02	2.00E+02
57	ASH POND	12/17/2010	0.005	2.09E+03	1.38E+02	1.99E+02
66	Black Creek between Prestwood Lake discharge and upstre	1/22/2010	0.005	2.69E+03	1.48E+02	2.08E+02
66	Black Creek between Prestwood Lake discharge and upstre	2/18/2010	0.005	3.42E+03	1.54E+02	2.09E+02
66	Black Creek between Prestwood Lake discharge and upstre	3/19/2010	0.005	2.88E+03	1.46E+02	2.02E+02
66	Black Creek between Prestwood Lake discharge and upstre	4/19/2010	0.005	2.91E+03	1.49E+02	2.07E+02
66	Black Creek between Prestwood Lake discharge and upstre	5/22/2010	0.005	2.60E+03	1.48E+02	2.08E+02
66	Black Creek between Prestwood Lake discharge and upstre	6/21/2010	0.005	2.18E+03	1.41E+02	2.02E+02
66	Black Creek between Prestwood Lake discharge and upstre	7/22/2010	0.005	1.51E+03	1.34E+02	1.99E+02
66	Black Creek between Prestwood Lake discharge and upstre	8/23/2010	0.005	1.10E+03	1.32E+02	2.02E+02
66	Black Creek between Prestwood Lake discharge and upstre	9/20/2010	0.005	7.43E+02	1.29E+02	2.02E+02
66	Black Creek between Prestwood Lake discharge and upstre	10/18/2010	0.005	8.67E+02	1.28E+02	1.99E+02
66	Black Creek between Prestwood Lake discharge and upstre	11/15/2010	0.005	1.61E+03	1.35E+02	2.00E+02
66	Black Creek between Prestwood Lake discharge and upstre	12/17/2010	0.005	1.75E+03	1.36E+02	1.99E+02

2010 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	2/15/2010	7621.2	BI-214	2.24E-03	1.01E-03	
1	24.4 MI ESE - FLORENCE - CONTROL	2/15/2010	7621.2	PB-214	3.03E-03	1.52E-03	
1	24.4 MI ESE - FLORENCE - CONTROL	2/15/2010	7621.2	K-40	1.96E-02	1.02E-02	
1	24.4 MI ESE - FLORENCE - CONTROL	2/15/2010	7621.2	BE-7	1.27E-01	1.82E-02	
1	24.4 MI ESE - FLORENCE - CONTROL	2/15/2010	7621.2	PB-212	7.20E-04	6.54E-04	
1	24.4 MI ESE - FLORENCE - CONTROL	5/17/2010	7739.8	PB-214	1.24E-02	2.89E-03	
1	24.4 MI ESE - FLORENCE - CONTROL	5/17/2010	7739.8	BE-7	1.63E-01	3.04E-02	
1	24.4 MI ESE - FLORENCE - CONTROL	5/17/2010	7739.8	BI-214	1.55E-02	4.15E-03	
1	24.4 MI ESE - FLORENCE - CONTROL	8/16/2010	7765.9	BE-7	1.31E-01	2.62E-02	
1	24.4 MI ESE - FLORENCE - CONTROL	11/15/2010	7703.5	BE-7	1.10E-01	2.30E-02	
1	24.4 MI ESE - FLORENCE - CONTROL	11/15/2010	7703.5	K-40	3.34E-02	1.41E-02	
2	0.2 MI S - INFORMATION CENTER	2/15/2010	7584.6	BE-7	1.11E-01	1.65E-02	
2	0.2 MI S - INFORMATION CENTER	2/15/2010	7584.6	K-40	3.61E-02	1.01E-02	
2	0.2 MI S - INFORMATION CENTER	5/17/2010	7884.6	BI-214	1.63E-02	3.43E-03	
2	0.2 MI S - INFORMATION CENTER	5/17/2010	7884.6	PB-214	1.77E-02	3.37E-03	
2	0.2 MI S - INFORMATION CENTER	5/17/2010	7884.6	BE-7	1.41E-01	2.92E-02	
2	0.2 MI S - INFORMATION CENTER	8/16/2010	8006	BE-7	1.12E-01	2.20E-02	
2	0.2 MI S - INFORMATION CENTER	8/16/2010	8006	K-40	3.64E-02	1.71E-02	
2	0.2 MI S - INFORMATION CENTER	11/15/2010	8414.9	BE-7	1.07E-01	2.37E-02	
3	0.5 MI N - MICROWAVE TOWER	2/15/2010	6822.7	K-40	3.59E-02	1.24E-02	
3	0.5 MI N - MICROWAVE TOWER	2/15/2010	6822.7	TL-208	9.26E-04	5.59E-04	
3	0.5 MI N - MICROWAVE TOWER	2/15/2010	6822.7	BE-7	1.30E-01	2.18E-02	
3	0.5 MI N - MICROWAVE TOWER	5/17/2010	7179.5	PB-214	6.83E-03	2.45E-03	
3	0.5 MI N - MICROWAVE TOWER	5/17/2010	7179.5	BE-7	1.62E-01	3.30E-02	
3	0.5 MI N - MICROWAVE TOWER	5/17/2010	7179.5	BI-214	6.77E-03	2.56E-03	
3	0.5 MI N - MICROWAVE TOWER	8/16/2010	7630.9	BE-7	1.34E-01	2.53E-02	

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	8/16/2010	7630.9	K-40	3.99E-02	1.35E-02	
3	0.5 MI N - MICROWAVE TOWER	11/15/2010	7251.5	K-40	3.65E-02	1.81E-02	
3	0.5 MI N - MICROWAVE TOWER	11/15/2010	7251.5	BE-7	1.18E-01	2.58E-02	
4	0.4 MI ESE - SPILLWAY	2/15/2010	7775.4	K-40	4.14E-02	1.24E-02	
4	0.4 MI ESE - SPILLWAY	2/15/2010	7775.4	BI-214	3.97E-03	1.34E-03	
4	0.4 MI ESE - SPILLWAY	2/15/2010	7775.4	PB-214	5.17E-03	1.41E-03	
4	0.4 MI ESE - SPILLWAY	2/15/2010	7775.4	BE-7	9.78E-02	1.76E-02	
4	0.4 MI ESE - SPILLWAY	5/17/2010	8146.4	BE-7	1.41E-01	2.78E-02	
4	0.4 MI ESE - SPILLWAY	8/16/2010	8423.9	BE-7	1.06E-01	2.08E-02	
4	0.4 MI ESE - SPILLWAY	8/16/2010	8423.9	K-40	3.46E-02	1.38E-02	
4	0.4 MI ESE - SPILLWAY	11/15/2010	8159.9	BE-7	1.08E-01	2.34E-02	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	2/15/2010	7333.9	PB-214	1.07E-02	2.14E-03	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	2/15/2010	7333.9	K-40	4.47E-02	1.15E-02	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	2/15/2010	7333.9	BE-7	1.35E-01	1.96E-02	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	2/15/2010	7333.9	BI-214	7.97E-03	1.89E-03	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	5/17/2010	7354.5	BE-7	1.63E-01	2.83E-02	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	8/16/2010	7297.7	BE-7	1.20E-01	2.91E-02	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	11/15/2010	7248.1	PB-214	2.15E-03	1.22E-03	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	11/15/2010	7248.1	RA-226	9.49E-03	8.84E-03	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	11/15/2010	7248.1	BE-7	1.19E-01	2.71E-02	
6	0.2 MI SSW - INFORMATION CENTER	2/15/2010	7778.8	PB-214	1.92E-03	1.07E-03	
6	0.2 MI SSW - INFORMATION CENTER	2/15/2010	7778.8	BI-214	1.30E-03	1.08E-03	
6	0.2 MI SSW - INFORMATION CENTER	2/15/2010	7778.8	BE-7	1.25E-01	1.75E-02	
6	0.2 MI SSW - INFORMATION CENTER	2/15/2010	7778.8	TH-234	9.53E-03	5.38E-03	
6	0.2 MI SSW - INFORMATION CENTER	2/15/2010	7778.8	K-40	1.74E-02	8.14E-03	
6	0.2 MI SSW - INFORMATION CENTER	5/17/2010	8053.3	BE-7	1.23E-01	2.58E-02	

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 - INFORMATION CENTER	8/16/2010	8277.7	BE-7	1.14E-01	2.21E-02	
6	0.2 MI SSW - INFORMATION CENTER	8/16/2010	8277.7	PB-212	1.31E-03	9.67E-04	
6	0.2 MI SSW - INFORMATION CENTER	11/15/2010	7982.6	K-40	2.96E-02	1.31E-02	
6	0.2 MI SSW - INFORMATION CENTER	11/15/2010	7982.6	BE-7	1.17E-01	2.34E-02	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/15/2010	7921.3	K-40	3.58E-02	9.82E-03	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/15/2010	7921.3	BE-7	1.18E-01	1.82E-02	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/15/2010	7921.3	BI-214	1.71E-03	1.05E-03	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/17/2010	8027.2	BE-7	1.27E-01	2.54E-02	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/17/2010	8027.2	PB-214	8.82E-03	2.28E-03	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/17/2010	8027.2	BI-214	4.36E-03	2.13E-03	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/17/2010	8027.2	K-40	3.60E-02	1.91E-02	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	8/16/2010	7959.7	K-40	2.85E-02	1.57E-02	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	8/16/2010	7959.7	BE-7	1.53E-01	2.87E-02	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/15/2010	7771	BE-7	1.21E-01	2.54E-02	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/15/2010	7349.1	K-40	4.60E-02	1.16E-02	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/15/2010	7349.1	PB-214	4.24E-03	1.59E-03	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/15/2010	7349.1	BI-214	3.92E-03	1.65E-03	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/15/2010	7349.1	BE-7	1.02E-01	1.71E-02	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/17/2010	7966.2	BE-7	1.39E-01	2.50E-02	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/17/2010	7966.2	BI-214	2.82E-03	1.22E-03	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/17/2010	7966.2	RA-226	1.17E-02	9.95E-03	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/16/2010	8694.6	BE-7	1.17E-01	2.17E-02	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/15/2010	8490.3	TH-234	1.48E-02	9.14E-03	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/15/2010	8490.3	BI-214	2.26E-03	1.30E-03	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/15/2010	8490.3	BE-7	1.12E-01	2.15E-02	
60	0.2 MI SE - ROBINSON PICNIC AREA	2/15/2010	7629.6	RA-226	8.34E-03	7.90E-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	2/15/2010	7629.6	BE-7	1.04E-01	1.53E-02	
60	0.2 MI SE - ROBINSON PICNIC AREA	2/15/2010	7629.6	K-40	2.43E-02	8.02E-03	
60	0.2 MI SE - ROBINSON PICNIC AREA	5/17/2010	7609.3	BE-7	1.56E-01	2.83E-02	
60	0.2 MI SE - ROBINSON PICNIC AREA	5/17/2010	7609.3	BI-214	2.76E-03	1.29E-03	
60	0.2 MI SE - ROBINSON PICNIC AREA	8/16/2010	7527.4	BE-7	1.45E-01	2.93E-02	
60	0.2 MI SE - ROBINSON PICNIC AREA	11/15/2010	7630.1	BE-7	1.15E-01	2.60E-02	
60	0.2 MI SE - ROBINSON PICNIC AREA	11/15/2010	7630.1	PB-212	8.93E-04	7.19E-04	
60	0.2 MI SE - ROBINSON PICNIC AREA	11/15/2010	7630.1	BI-214	2.14E-03	1.49E-03	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	2/15/2010	7566.8	BE-7	1.00E-01	1.84E-02	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	2/15/2010	7566.8	K-40	2.75E-02	8.74E-03	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	2/15/2010	7566.8	BI-214	1.10E-03	8.81E-04	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	2/15/2010	7566.8	TH-234	1.38E-02	8.79E-03	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/17/2010	7828.9	BE-7	1.22E-01	2.46E-02	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/17/2010	7828.9	K-40	2.90E-02	1.59E-02	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	8/16/2010	7650.3	BE-7	1.42E-01	2.78E-02	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	8/16/2010	7650.3	K-40	4.50E-02	1.86E-02	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	11/15/2010	7528.5	TH-234	1.95E-02	1.83E-02	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	11/15/2010	7528.5	BE-7	1.01E-01	2.55E-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	5/13/2010	1088.9	CS-137	4.47E-02	1.72E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	1088.9	PB-214	6.27E-02	2.38E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	1088.9	K-40	2.27E+00	3.89E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	1088.9	BI-214	5.78E-02	2.73E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	1088.9	BI-212	8.62E-02	6.06E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	11/18/2010	767.8	K-40	4.52E+00	6.66E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	11/18/2010	767.8	RA-226	4.79E-01	4.87E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	11/18/2010	767.8	PB-214	1.09E-01	4.50E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	11/18/2010	767.8	BI-214	1.40E-01	4.66E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	926.8	CS-137	3.63E-02	2.39E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	926.8	K-40	3.45E+00	5.25E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	926.8	BI-214	5.87E-02	3.17E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	926.8	PB-212	3.72E-02	3.53E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/17/2010	711.3	CS-137	4.53E-02	2.43E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/17/2010	711.3	PB-212	4.23E-02	2.98E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/17/2010	711.3	BI-214	1.32E-01	4.57E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/17/2010	711.3	PB-214	1.60E-01	5.57E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/17/2010	711.3	K-40	3.82E+00	6.36E-01	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/12/2010	770.4	TL-208	2.32E-02	1.71E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/12/2010	770.4	CS-137	7.28E-02	2.36E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/12/2010	770.4	BI-214	1.19E-01	4.79E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/12/2010	770.4	PB-214	1.49E-01	6.19E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/12/2010	770.4	RA-226	4.67E-01	3.72E-01	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/12/2010	770.4	K-40	4.21E+00	6.55E-01	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/16/2010	591.6	AC-228	1.49E-01	8.47E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/16/2010	591.6	K-40	4.29E+00	7.20E-01	

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*
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/16/2010	591.6	BI-214	2.76E-01	7.66E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/16/2010	591.6	PB-214	3.46E-01	8.05E-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	5/13/2010	1109.6	CS-137	2.02E-02	1.59E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	1109.6	BI-214	5.32E-02	2.25E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	1109.6	K-40	3.75E+00	5.13E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	11/18/2010	795.1	PB-214	2.41E-01	6.39E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	11/18/2010	795.1	K-40	4.43E+00	6.31E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	11/18/2010	795.1	BI-214	2.09E-01	5.51E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	11/18/2010	795.1	CS-137	3.58E-02	2.28E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	925.9	K-40	3.87E+00	6.81E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	925.9	CS-137	4.54E-02	3.26E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	925.9	PB-214	5.59E-02	4.01E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	925.9	BI-214	7.84E-02	4.24E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	925.9	PB-212	4.71E-02	2.69E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	925.9	RA-226	5.45E-01	4.27E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/17/2010	639.6	CS-137	3.89E-02	2.65E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/17/2010	639.6	PB-212	4.68E-02	3.20E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/17/2010	639.6	BI-214	2.43E-01	5.78E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/17/2010	639.6	PB-214	2.44E-01	6.53E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/17/2010	639.6	K-40	3.31E+00	6.28E-01	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/12/2010	851.3	K-40	3.23E+00	5.11E-01	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/12/2010	851.3	CS-137	7.07E-02	2.86E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/12/2010	851.3	PB-212	5.28E-02	3.97E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/12/2010	851.3	PB-214	5.44E-02	3.88E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/12/2010	851.3	BI-214	7.92E-02	4.42E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/16/2010	660	RA-226	7.50E-01	5.58E-01	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/16/2010	660	K-40	3.27E+00	6.15E-01	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/16/2010	660	CS-137	5.24E-02	2.66E-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*
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/16/2010	660	BI-214	2.90E-01	7.43E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/16/2010	660	PB-214	3.75E-01	9.11E-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 -	11/9/2010	569.5	BI-214	4.14E-02	2.94E-02	
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	11/9/2010	569.5	K-40	4.45E+00	4.93E-01	
58	SITE VARIES FROM PLANT	11/9/2010	586.5	BE-7	1.28E-01	1.03E-01	
58	SITE VARIES FROM PLANT	11/9/2010	586.5	BI-214	3.40E-02	2.87E-02	
58	SITE VARIES FROM PLANT	11/9/2010	586.5	K-40	4.06E+00	4.50E-01	
58	SITE VARIES FROM PLANT	11/9/2010	586.5	PB-212	3.83E-02	1.68E-02	
58	SITE VARIES FROM PLANT	11/9/2010	586.5	RA-226	3.24E-01	2.33E-01	
58	SITE VARIES FROM PLANT	11/9/2010	586.5	TH-234	3.54E-01	3.12E-01	
58	SITE VARIES FROM PLANT	11/9/2010	586.5	TL-208	1.67E-02	9.68E-03	

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 -	7/28/2010	1103.2	BI-214	4.14E-02	1.44E-02	
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	7/28/2010	1103.2	K-40	2.78E+00	2.94E-01	
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	7/28/2010	1103.2	PB-212	1.48E-02	1.19E-02	
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	7/28/2010	1103.2	RA-226	2.47E-01	1.14E-01	
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	7/28/2010	1103.2	TH-234	3.09E-01	2.04E-01	
58	SITE VARIES FROM PLANT	7/28/2010	620.7	BI-214	5.30E-02	2.56E-02	
58	SITE VARIES FROM PLANT	7/28/2010	620.7	K-40	3.68E+00	4.11E-01	
58	SITE VARIES FROM PLANT	7/28/2010	620.7	PB-212	3.50E-02	1.93E-02	
58	SITE VARIES FROM PLANT	7/28/2010	620.7	PB-214	4.82E-02	2.47E-02	
58	SITE VARIES FROM PLANT	7/28/2010	620.7	RA-226	4.00E-01	2.85E-01	

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 DEEP WELLS	3/8/2010	1	PB-212	2.58E+01	7.49E+00	
42	UNIT 1 DEEP WELLS	3/8/2010	1	TH-234	2.94E+02	1.77E+02	
42	UNIT 1 DEEP WELLS	3/8/2010	1	RA-226	2.78E+02	1.31E+02	
42	UNIT 1 DEEP WELLS	3/8/2010	1	K-40	4.03E+02	7.82E+01	
42	UNIT 1 DEEP WELLS	3/8/2010	1	BI-214	6.80E+01	1.41E+01	
42	UNIT 1 DEEP WELLS	3/8/2010	1	TL-208	7.53E+00	4.07E+00	
42	UNIT 1 DEEP WELLS	3/8/2010	1	PB-214	7.68E+01	1.21E+01	
42	UNIT 1 DEEP WELLS	5/17/2010	1	TL-208	6.05E+00	4.50E+00	
42	UNIT 1 DEEP WELLS	5/17/2010	1	K-40	2.52E+02	5.67E+01	
42	UNIT 1 DEEP WELLS	5/17/2010	1	RA-226	2.27E+02	8.37E+01	
42	UNIT 1 DEEP WELLS	5/17/2010	1	PB-212	1.55E+01	5.47E+00	
42	UNIT 1 DEEP WELLS	5/17/2010	1	BI-214	5.30E+01	1.13E+01	
42	UNIT 1 DEEP WELLS	5/17/2010	1	PB-214	4.42E+01	1.04E+01	
42	UNIT 1 DEEP WELLS	5/17/2010	1	TH-234	2.74E+02	1.65E+02	
42	UNIT 1 DEEP WELLS	8/9/2010	1	PB-214	4.86E+01	1.11E+01	
42	UNIT 1 DEEP WELLS	8/9/2010	1	K-40	2.63E+02	5.74E+01	
42	UNIT 1 DEEP WELLS	8/9/2010	1	TL-208	8.30E+00	4.94E+00	
42	UNIT 1 DEEP WELLS	8/9/2010	1	RA-226	2.30E+02	8.76E+01	
42	UNIT 1 DEEP WELLS	8/9/2010	1	BI-214	4.18E+01	1.17E+01	
42	UNIT 1 DEEP WELLS	8/9/2010	1	TH-234	2.75E+02	1.41E+02	
42	UNIT 1 DEEP WELLS	11/7/2010	1	RA-226	2.42E+02	9.84E+01	
42	UNIT 1 DEEP WELLS	11/7/2010	1	TH-234	1.85E+02	1.36E+02	
42	UNIT 1 DEEP WELLS	11/7/2010	1	K-40	4.05E+02	6.82E+01	
42	UNIT 1 DEEP WELLS	11/7/2010	1	TL-208	5.02E+00	4.28E+00	
42	UNIT 1 DEEP WELLS	11/7/2010	1	PB-214	9.38E+01	1.23E+01	
42	UNIT 1 DEEP WELLS	11/7/2010	1	PB-212	2.01E+01	6.25E+00	

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 DEEP WELLS	11/7/2010	1	BI-214	8.64E+01	1.32E+01	
64	0.6 MI SE - ARTESIAN WELL	3/8/2010	1	PB-214	1.11E+02	1.74E+01	
64	0.6 MI SE - ARTESIAN WELL	3/8/2010	1	BI-214	1.33E+02	1.78E+01	
64	0.6 MI SE - ARTESIAN WELL	3/8/2010	1	K-40	5.74E+02	9.71E+01	
64	0.6 MI SE - ARTESIAN WELL	5/17/2010	1	TH-234	2.26E+02	2.09E+02	
64	0.6 MI SE - ARTESIAN WELL	5/17/2010	1	RA-226	1.65E+02	1.34E+02	
64	0.6 MI SE - ARTESIAN WELL	5/17/2010	1	PB-214	7.64E+01	1.42E+01	
64	0.6 MI SE - ARTESIAN WELL	5/17/2010	1	K-40	2.32E+02	7.27E+01	
64	0.6 MI SE - ARTESIAN WELL	5/17/2010	1	TL-208	7.20E+00	5.94E+00	
64	0.6 MI SE - ARTESIAN WELL	5/17/2010	1	BI-214	8.28E+01	1.91E+01	
64	0.6 MI SE - ARTESIAN WELL	5/17/2010	1	AC-228	2.00E+01	1.55E+01	
64	0.6 MI SE - ARTESIAN WELL	8/10/2010	1	K-40	5.09E+02	7.85E+01	
64	0.6 MI SE - ARTESIAN WELL	8/10/2010	1	BI-214	1.98E+01	8.74E+00	
64	0.6 MI SE - ARTESIAN WELL	11/8/2010	1	PB-214	1.29E+02	1.58E+01	
64	0.6 MI SE - ARTESIAN WELL	11/8/2010	1	K-40	3.92E+02	7.10E+01	
64	0.6 MI SE - ARTESIAN WELL	11/8/2010	1	TL-208	7.87E+00	5.27E+00	
64	0.6 MI SE - ARTESIAN WELL	11/8/2010	1	TH-234	3.00E+02	1.52E+02	
64	0.6 MI SE - ARTESIAN WELL	11/8/2010	1	PB-212	1.96E+01	6.49E+00	
64	0.6 MI SE - ARTESIAN WELL	11/8/2010	1	BI-214	1.31E+02	1.58E+01	
64	0.6 MI SE - ARTESIAN WELL	11/8/2010	1	RA-226	1.88E+02	1.02E+02	
68	WELL A BETWN UNIT 1 SWITCHYARD AND BRE	3/10/2010	1	K-40	5.99E+02	8.78E+01	
68	WELL A BETWN UNIT 1 SWITCHYARD AND BRE	3/10/2010	1	BI-214	3.02E+01	1.17E+01	
68	WELL A BETWN UNIT 1 SWITCHYARD AND BRE	3/10/2010	1	PB-214	2.41E+01	1.11E+01	
68	WELL A BETWN UNIT 1 SWITCHYARD AND BRE	3/10/2010	1	RA-226	2.58E+02	1.25E+02	
68	WELL A BETWN UNIT 1 SWITCHYARD AND BRE	5/19/2010	1	RA-226	2.02E+02	9.64E+01	
68	WELL A BETWN UNIT 1 SWITCHYARD AND BRE	5/19/2010	1	PB-214	1.86E+01	8.91E+00	

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
68	WELL A BETWN UNIT 1 SWITCHYARD AND BRE	5/19/2010	1	BI-214	1.47E+01	8.53E+00	
68	WELL A BETWN UNIT 1 SWITCHYARD AND BRE	5/19/2010	1	PB-212	7.53E+00	6.41E+00	
68	WELL A BETWN UNIT 1 SWITCHYARD AND BRE	5/19/2010	1	K-40	2.71E+02	6.58E+01	
68	WELL A BETWN UNIT 1 SWITCHYARD AND BRE	5/19/2010	1	TH-234	2.69E+02	1.36E+02	
68	WELL A BETWN UNIT 1 SWITCHYARD AND BRE	8/9/2010	1	RA-226	2.23E+02	1.18E+02	
68	WELL A BETWN UNIT 1 SWITCHYARD AND BRE	8/9/2010	1	PB-214	3.62E+01	1.14E+01	
68	WELL A BETWN UNIT 1 SWITCHYARD AND BRE	8/9/2010	1	PB-212	2.26E+01	6.19E+00	
68	WELL A BETWN UNIT 1 SWITCHYARD AND BRE	8/9/2010	1	TL-208	9.25E+00	5.02E+00	
68	WELL A BETWN UNIT 1 SWITCHYARD AND BRE	8/9/2010	1	K-40	4.46E+02	6.91E+01	
68	WELL A BETWN UNIT 1 SWITCHYARD AND BRE	8/9/2010	1	TH-234	2.52E+02	1.50E+02	
68	WELL A BETWN UNIT 1 SWITCHYARD AND BRE	8/9/2010	1	BI-214	3.64E+01	9.91E+00	
68	WELL A BETWN UNIT 1 SWITCHYARD AND BRE	11/3/2010	1	RA-226	2.27E+02	1.15E+02	
68	WELL A BETWN UNIT 1 SWITCHYARD AND BRE	11/3/2010	1	PB-214	2.49E+01	1.13E+01	
68	WELL A BETWN UNIT 1 SWITCHYARD AND BRE	11/3/2010	1	K-40	5.75E+02	7.94E+01	
68	WELL A BETWN UNIT 1 SWITCHYARD AND BRE	11/3/2010	1	BI-214	3.44E+01	1.11E+01	
68	WELL A BETWN UNIT 1 SWITCHYARD AND BRE	11/3/2010	1	PB-212	7.76E+00	6.96E+00	
69	WELL B BEHIND THE TRAINING BUILDING	3/8/2010	1	RA-226	1.76E+02	9.44E+01	
69	WELL B BEHIND THE TRAINING BUILDING	3/8/2010	1	PB-214	6.72E+01	1.34E+01	
69	WELL B BEHIND THE TRAINING BUILDING	3/8/2010	1	K-40	2.64E+02	7.07E+01	
69	WELL B BEHIND THE TRAINING BUILDING	3/8/2010	1	BI-214	7.92E+01	1.53E+01	
69	WELL B BEHIND THE TRAINING BUILDING	3/8/2010	1	PB-212	1.20E+01	6.99E+00	
69	WELL B BEHIND THE TRAINING BUILDING	3/8/2010	1	TH-234	1.89E+02	1.82E+02	
69	WELL B BEHIND THE TRAINING BUILDING	5/19/2010	1	K-40	5.70E+02	8.50E+01	
69	WELL B BEHIND THE TRAINING BUILDING	5/19/2010	1	RA-226	2.21E+02	1.18E+02	
69	WELL B BEHIND THE TRAINING BUILDING	5/19/2010	1	PB-214	2.95E+01	1.01E+01	
69	WELL B BEHIND THE TRAINING BUILDING	5/19/2010	1	BI-214	3.82E+01	9.60E+00	

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
69	WELL B BEHIND THE TRAINING BUILDING	5/19/2010	1	TL-208	4.26E+00	4.17E+00	
69	WELL B BEHIND THE TRAINING BUILDING	5/19/2010	1	PB-212	1.33E+01	6.04E+00	
69	WELL B BEHIND THE TRAINING BUILDING	8/10/2010	1	TH-234	3.50E+02	1.60E+02	
69	WELL B BEHIND THE TRAINING BUILDING	8/10/2010	1	RA-226	1.61E+02	1.01E+02	
69	WELL B BEHIND THE TRAINING BUILDING	8/10/2010	1	PB-212	1.40E+01	7.40E+00	
69	WELL B BEHIND THE TRAINING BUILDING	8/10/2010	1	TL-208	8.77E+00	4.65E+00	
69	WELL B BEHIND THE TRAINING BUILDING	8/10/2010	1	K-40	3.86E+02	7.34E+01	
69	WELL B BEHIND THE TRAINING BUILDING	8/10/2010	1	PB-214	1.58E+01	7.40E+00	
69	WELL B BEHIND THE TRAINING BUILDING	8/10/2010	1	BI-214	2.08E+01	9.57E+00	
69	WELL B BEHIND THE TRAINING BUILDING	11/7/2010	1	PB-214	7.88E+01	1.24E+01	
69	WELL B BEHIND THE TRAINING BUILDING	11/7/2010	1	BI-214	8.74E+01	1.36E+01	
69	WELL B BEHIND THE TRAINING BUILDING	11/7/2010	1	PB-212	7.50E+00	7.11E+00	
69	WELL B BEHIND THE TRAINING BUILDING	11/7/2010	1	K-40	5.65E+02	8.72E+01	
70	WELL C BETWN O AND M BUILDING & FAB SHO	3/8/2010	1	PB-214	6.06E+01	1.45E+01	
70	WELL C BETWN O AND M BUILDING & FAB SHO	3/8/2010	1	RA-226	2.88E+02	1.36E+02	
70	WELL C BETWN O AND M BUILDING & FAB SHO	3/8/2010	1	BI-214	7.98E+01	1.30E+01	
70	WELL C BETWN O AND M BUILDING & FAB SHO	3/8/2010	1	PB-212	1.97E+01	7.25E+00	
70	WELL C BETWN O AND M BUILDING & FAB SHO	3/8/2010	1	TL-208	8.66E+00	5.24E+00	
70	WELL C BETWN O AND M BUILDING & FAB SHO	3/8/2010	1	K-40	4.02E+02	8.02E+01	
70	WELL C BETWN O AND M BUILDING & FAB SHO	3/8/2010	1	TH-234	2.94E+02	1.75E+02	
70	WELL C BETWN O AND M BUILDING & FAB SHO	5/19/2010	1	K-40	5.62E+02	7.85E+01	
70	WELL C BETWN O AND M BUILDING & FAB SHO	5/19/2010	1	PB-212	9.91E+00	7.66E+00	
70	WELL C BETWN O AND M BUILDING & FAB SHO	5/19/2010	1	BI-214	1.71E+01	7.00E+00	
70	WELL C BETWN O AND M BUILDING & FAB SHO	5/19/2010	1	PB-214	2.29E+01	1.09E+01	
70	WELL C BETWN O AND M BUILDING & FAB SHO	5/19/2010	1	RA-226	1.07E+02	1.02E+02	
70	WELL C BETWN O AND M BUILDING & FAB SHO	8/10/2010	1	TL-208	1.06E+01	5.98E+00	

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
70	WELL C BETWN O AND M BUILDING & FAB SHO	8/10/2010	1	BI-214	3.09E+01	1.38E+01	
70	WELL C BETWN O AND M BUILDING & FAB SHO	8/10/2010	1	PB-212	2.52E+01	1.04E+01	
70	WELL C BETWN O AND M BUILDING & FAB SHO	8/10/2010	1	TH-234	2.14E+02	1.63E+02	
70	WELL C BETWN O AND M BUILDING & FAB SHO	8/10/2010	1	PB-214	2.88E+01	1.38E+01	
70	WELL C BETWN O AND M BUILDING & FAB SHO	8/10/2010	1	K-40	3.02E+02	6.88E+01	
70	WELL C BETWN O AND M BUILDING & FAB SHO	8/10/2010	1	RA-226	1.56E+02	9.30E+01	
70	WELL C BETWN O AND M BUILDING & FAB SHO	11/7/2010	1	PB-212	1.24E+01	6.12E+00	
70	WELL C BETWN O AND M BUILDING & FAB SHO	11/7/2010	1	K-40	2.87E+02	5.55E+01	
70	WELL C BETWN O AND M BUILDING & FAB SHO	11/7/2010	1	PB-214	8.52E+01	1.26E+01	
70	WELL C BETWN O AND M BUILDING & FAB SHO	11/7/2010	1	BI-214	9.11E+01	1.29E+01	
70	WELL C BETWN O AND M BUILDING & FAB SHO	11/7/2010	1	RA-226	1.41E+02	8.44E+01	
70	WELL C BETWN O AND M BUILDING & FAB SHO	11/7/2010	1	TH-234	1.96E+02	1.38E+02	
71	0.87 MI NNW - MW-03A BETWN ASH POND & R	3/9/2010	1	RA-226	1.54E+02	1.33E+02	
71	0.87 MI NNW - MW-03A BETWN ASH POND & R	3/9/2010	1	PB-212	1.89E+01	7.90E+00	
71	0.87 MI NNW - MW-03A BETWN ASH POND & R	3/9/2010	1	TL-208	7.03E+00	5.96E+00	
71	0.87 MI NNW - MW-03A BETWN ASH POND & R	3/9/2010	1	K-40	5.28E+02	9.61E+01	
71	0.87 MI NNW - MW-03A BETWN ASH POND & R	3/9/2010	1	PB-214	2.88E+02	2.71E+01	
71	0.87 MI NNW - MW-03A BETWN ASH POND & R	3/9/2010	1	BI-214	2.98E+02	2.85E+01	
71	0.87 MI NNW - MW-03A BETWN ASH POND & R	5/19/2010	1	K-40	4.45E+02	7.58E+01	
71	0.87 MI NNW - MW-03A BETWN ASH POND & R	5/19/2010	1	TL-208	8.38E+00	5.05E+00	
71	0.87 MI NNW - MW-03A BETWN ASH POND & R	5/19/2010	1	PB-212	3.06E+01	6.77E+00	
71	0.87 MI NNW - MW-03A BETWN ASH POND & R	5/19/2010	1	BI-214	6.62E+01	1.18E+01	
71	0.87 MI NNW - MW-03A BETWN ASH POND & R	5/19/2010	1	RA-226	2.00E+02	1.07E+02	
71	0.87 MI NNW - MW-03A BETWN ASH POND & R	5/19/2010	1	PB-214	6.95E+01	1.19E+01	
71	0.87 MI NNW - MW-03A BETWN ASH POND & R	5/19/2010	1	TH-234	1.84E+02	1.30E+02	
71	0.87 MI NNW - MW-03A BETWN ASH POND & R	8/9/2010	1	PB-214	5.00E+01	1.33E+01	

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
71	0.87 MI NNW - MW-03A BETWN ASH POND & R	8/9/2010	1	RA-226	1.40E+02	9.62E+01	
71	0.87 MI NNW - MW-03A BETWN ASH POND & R	8/9/2010	1	BI-214	5.45E+01	1.15E+01	
71	0.87 MI NNW - MW-03A BETWN ASH POND & R	8/9/2010	1	K-40	5.95E+02	8.83E+01	
71	0.87 MI NNW - MW-03A BETWN ASH POND & R	11/2/2010	1	TL-208	5.85E+00	4.76E+00	
71	0.87 MI NNW - MW-03A BETWN ASH POND & R	11/2/2010	1	PB-212	2.13E+01	4.98E+00	
71	0.87 MI NNW - MW-03A BETWN ASH POND & R	11/2/2010	1	K-40	2.72E+02	6.20E+01	
71	0.87 MI NNW - MW-03A BETWN ASH POND & R	11/2/2010	1	TH-234	1.72E+02	1.18E+02	
71	0.87 MI NNW - MW-03A BETWN ASH POND & R	11/2/2010	1	RA-226	2.39E+02	7.99E+01	
71	0.87 MI NNW - MW-03A BETWN ASH POND & R	11/2/2010	1	PB-214	7.40E+01	1.11E+01	
71	0.87 MI NNW - MW-03A BETWN ASH POND & R	11/2/2010	1	BI-214	7.84E+01	1.22E+01	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	3/8/2010	1	BI-212	4.08E+01	3.06E+01	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	3/8/2010	1	BI-214	6.45E+01	1.34E+01	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	3/8/2010	1	TH-234	3.28E+02	1.59E+02	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	3/8/2010	1	RA-226	1.69E+02	1.22E+02	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	3/8/2010	1	PB-214	5.54E+01	1.37E+01	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	3/8/2010	1	K-40	2.84E+02	5.99E+01	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	3/8/2010	1	TL-208	2.28E+01	5.38E+00	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	3/8/2010	1	PB-212	6.16E+01	9.40E+00	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	5/18/2010	1	PB-212	5.43E+01	9.85E+00	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	5/18/2010	1	RA-226	3.61E+02	1.18E+02	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	5/18/2010	1	BI-214	3.50E+01	1.70E+01	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	5/18/2010	1	PB-214	4.19E+01	1.44E+01	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	5/18/2010	1	K-40	2.13E+02	7.48E+01	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	5/18/2010	1	TH-234	2.07E+02	1.91E+02	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	5/18/2010	1	TL-208	1.91E+01	7.44E+00	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	8/9/2010	1	PB-212	5.77E+01	7.60E+00	

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
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	8/9/2010	1	TL-208	2.14E+01	5.12E+00	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	8/9/2010	1	RA-226	2.31E+02	8.64E+01	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	8/9/2010	1	PB-214	5.08E+01	1.24E+01	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	8/9/2010	1	BI-214	4.79E+01	1.15E+01	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	8/9/2010	1	TH-234	2.66E+02	1.42E+02	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	8/9/2010	1	K-40	2.38E+02	6.93E+01	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	11/3/2010	1	AC-228	3.49E+01	1.46E+01	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	11/3/2010	1	TH-234	2.68E+02	1.60E+02	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	11/3/2010	1	K-40	4.81E+02	7.75E+01	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	11/3/2010	1	TL-208	2.60E+01	5.62E+00	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	11/3/2010	1	BI-212	5.20E+01	3.22E+01	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	11/3/2010	1	PB-212	7.74E+01	9.06E+00	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	11/3/2010	1	BI-214	6.54E+01	1.10E+01	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	11/3/2010	1	PB-214	6.03E+01	1.25E+01	
72	0.10 MI E - MW-06 20FT FROM FP/FH 7 FIRE HY	11/3/2010	1	RA-226	2.78E+02	1.24E+02	
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CAN	3/8/2010	1	PB-214	4.01E+01	1.33E+01	
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CAN	3/8/2010	1	RA-226	1.39E+02	1.30E+02	
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CAN	3/8/2010	1	BI-214	4.87E+01	1.27E+01	
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CAN	3/8/2010	1	K-40	5.26E+02	9.32E+01	
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CAN	5/18/2010	1	PB-212	2.22E+01	6.54E+00	
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CAN	5/18/2010	1	BI-214	4.48E+01	9.46E+00	
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CAN	5/18/2010	1	RA-226	1.99E+02	1.02E+02	
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CAN	5/18/2010	1	TH-234	1.94E+02	1.30E+02	
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CAN	5/18/2010	1	PB-214	4.59E+01	1.23E+01	
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CAN	5/18/2010	1	TL-208	7.67E+00	4.00E+00	
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CAN	5/18/2010	1	K-40	4.85E+02	6.54E+01	

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
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CAN	8/9/2010	1	TH-234	3.14E+02	1.32E+02	
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CAN	8/9/2010	1	RA-226	2.02E+02	8.23E+01	
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CAN	8/9/2010	1	PB-214	5.88E+01	1.06E+01	
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CAN	8/9/2010	1	BI-214	5.44E+01	1.15E+01	
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CAN	8/9/2010	1	PB-212	1.61E+01	5.45E+00	
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CAN	8/9/2010	1	K-40	2.66E+02	6.46E+01	
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CAN	11/2/2010	1	PB-214	3.91E+01	1.22E+01	
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CAN	11/2/2010	1	TH-234	2.78E+02	1.81E+02	
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CAN	11/2/2010	1	PB-212	7.50E+00	8.11E+00	
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CAN	11/2/2010	1	TL-208	5.58E+00	5.01E+00	
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CAN	11/2/2010	1	K-40	2.09E+02	6.38E+01	
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CAN	11/2/2010	1	RA-226	1.68E+02	8.76E+01	
73	0.11 MI ENE - MW-13 BETWN DISCHARGE CAN	11/2/2010	1	BI-214	5.15E+01	1.19E+01	
74	0.96 MI NNW - P-08-ASH 20 FT. W OF RR TRAC	3/9/2010	1	RA-226	2.54E+02	1.02E+02	
74	0.96 MI NNW - P-08-ASH 20 FT. W OF RR TRAC	3/9/2010	1	K-40	2.82E+02	6.47E+01	
74	0.96 MI NNW - P-08-ASH 20 FT. W OF RR TRAC	3/9/2010	1	BI-214	7.67E+01	1.46E+01	
74	0.96 MI NNW - P-08-ASH 20 FT. W OF RR TRAC	3/9/2010	1	PB-212	1.96E+01	7.30E+00	
74	0.96 MI NNW - P-08-ASH 20 FT. W OF RR TRAC	3/9/2010	1	PB-214	6.91E+01	1.44E+01	
74	0.96 MI NNW - P-08-ASH 20 FT. W OF RR TRAC	8/10/2010	1	BI-214	3.21E+01	1.23E+01	
74	0.96 MI NNW - P-08-ASH 20 FT. W OF RR TRAC	8/10/2010	1	PB-214	2.07E+01	9.08E+00	
74	0.96 MI NNW - P-08-ASH 20 FT. W OF RR TRAC	8/10/2010	1	TH-234	2.53E+02	1.77E+02	
74	0.96 MI NNW - P-08-ASH 20 FT. W OF RR TRAC	8/10/2010	1	TL-208	8.72E+00	4.03E+00	
74	0.96 MI NNW - P-08-ASH 20 FT. W OF RR TRAC	8/10/2010	1	AC-228	2.30E+01	1.16E+01	
74	0.96 MI NNW - P-08-ASH 20 FT. W OF RR TRAC	8/10/2010	1	RA-226	2.36E+02	8.70E+01	
74	0.96 MI NNW - P-08-ASH 20 FT. W OF RR TRAC	8/10/2010	1	PB-212	1.58E+01	8.83E+00	
74	0.96 MI NNW - P-08-ASH 20 FT. W OF RR TRAC	8/10/2010	1	K-40	4.02E+02	6.49E+01	

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
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	3/8/2010	1	AC-228	3.40E+01	2.27E+01	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	3/8/2010	1	K-40	4.25E+02	7.77E+01	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	3/8/2010	1	PB-214	6.45E+01	1.54E+01	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	3/8/2010	1	BI-214	6.13E+01	1.37E+01	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	3/8/2010	1	PB-212	8.69E+01	1.32E+01	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	3/8/2010	1	BI-212	5.33E+01	5.13E+01	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	3/8/2010	1	TL-208	2.95E+01	8.46E+00	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	3/8/2010	1	RA-226	2.27E+02	1.28E+02	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	3/8/2010	1	TH-234	2.44E+02	1.52E+02	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	5/18/2010	1	TH-234	1.76E+02	1.59E+02	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	5/18/2010	1	BI-214	2.89E+01	9.91E+00	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	5/18/2010	1	AC-228	2.93E+01	1.90E+01	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	5/18/2010	1	PB-212	4.93E+01	9.43E+00	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	5/18/2010	1	TL-208	2.11E+01	5.67E+00	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	5/18/2010	1	K-40	5.23E+02	8.28E+01	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	5/18/2010	1	PB-214	2.85E+01	9.96E+00	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	5/18/2010	1	RA-226	1.78E+02	1.23E+02	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	8/9/2010	1	PB-214	3.63E+01	1.12E+01	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	8/9/2010	1	BI-212	1.10E+02	4.63E+01	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	8/9/2010	1	TL-208	4.08E+01	6.41E+00	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	8/9/2010	1	PB-212	1.06E+02	1.07E+01	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	8/9/2010	1	BI-214	4.41E+01	1.11E+01	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	8/9/2010	1	AC-228	4.48E+01	1.59E+01	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	8/9/2010	1	K-40	5.57E+02	8.14E+01	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	11/2/2010	1	TH-234	2.73E+02	1.55E+02	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	11/2/2010	1	K-40	2.62E+02	5.93E+01	

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
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	11/2/2010	1	TL-208	3.63E+01	6.80E+00	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	11/2/2010	1	BI-212	6.46E+01	3.31E+00	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	11/2/2010	1	PB-212	1.22E+02	1.09E+01	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	11/2/2010	1	BI-214	6.03E+01	1.03E+01	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	11/2/2010	1	PB-214	6.51E+01	1.01E+01	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	11/2/2010	1	RA-226	1.61E+02	9.24E+01	
75	0.05 MI NE - PSW-02 BY U/1 BOUNDARY FENCE	11/2/2010	1	AC-228	2.09E+01	1.56E+01	
76	0.49 MI N - PSW-03 NE CORNER OF THE MET T	3/9/2010	1	BI-214	5.33E+01	1.35E+01	
76	0.49 MI N - PSW-03 NE CORNER OF THE MET T	3/9/2010	1	PB-212	2.47E+01	7.16E+00	
76	0.49 MI N - PSW-03 NE CORNER OF THE MET T	3/9/2010	1	K-40	4.38E+02	8.00E+01	
76	0.49 MI N - PSW-03 NE CORNER OF THE MET T	3/9/2010	1	RA-226	2.29E+02	1.20E+02	
76	0.49 MI N - PSW-03 NE CORNER OF THE MET T	3/9/2010	1	TL-208	1.18E+01	5.85E+00	
76	0.49 MI N - PSW-03 NE CORNER OF THE MET T	3/9/2010	1	PB-214	5.31E+01	1.30E+01	
76	0.49 MI N - PSW-03 NE CORNER OF THE MET T	3/9/2010	1	TH-234	2.12E+02	1.52E+02	
76	0.49 MI N - PSW-03 NE CORNER OF THE MET T	5/18/2010	1	RA-226	2.71E+02	1.05E+02	
76	0.49 MI N - PSW-03 NE CORNER OF THE MET T	5/18/2010	1	PB-214	2.64E+01	9.22E+00	
76	0.49 MI N - PSW-03 NE CORNER OF THE MET T	5/18/2010	1	K-40	4.32E+02	7.51E+01	
76	0.49 MI N - PSW-03 NE CORNER OF THE MET T	5/18/2010	1	BI-214	3.35E+01	9.47E+00	
76	0.49 MI N - PSW-03 NE CORNER OF THE MET T	5/18/2010	1	PB-212	1.47E+01	6.61E+00	
76	0.49 MI N - PSW-03 NE CORNER OF THE MET T	5/18/2010	1	TL-208	1.24E+01	4.58E+00	
76	0.49 MI N - PSW-03 NE CORNER OF THE MET T	5/18/2010	1	TH-234	1.68E+02	1.17E+02	
76	0.49 MI N - PSW-03 NE CORNER OF THE MET T	8/10/2010	1	K-40	2.36E+02	5.96E+01	
76	0.49 MI N - PSW-03 NE CORNER OF THE MET T	8/10/2010	1	PB-212	1.26E+01	6.21E+00	
76	0.49 MI N - PSW-03 NE CORNER OF THE MET T	8/10/2010	1	BI-214	2.38E+01	1.12E+01	
76	0.49 MI N - PSW-03 NE CORNER OF THE MET T	8/10/2010	1	PB-214	1.90E+01	7.95E+00	
76	0.49 MI N - PSW-03 NE CORNER OF THE MET T	8/10/2010	1	RA-226	2.23E+02	7.64E+01	

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
76	0.49 MI N - PSW-03 NE CORNER OF THE MET T	8/10/2010	1	TH-234	2.02E+02	1.26E+02	
76	0.49 MI N - PSW-03 NE CORNER OF THE MET T	11/2/2010	1	PB-214	6.05E+01	1.19E+01	
76	0.49 MI N - PSW-03 NE CORNER OF THE MET T	11/2/2010	1	K-40	5.62E+02	8.31E+01	
76	0.49 MI N - PSW-03 NE CORNER OF THE MET T	11/2/2010	1	TL-208	5.31E+00	4.26E+00	
76	0.49 MI N - PSW-03 NE CORNER OF THE MET T	11/2/2010	1	BI-214	6.74E+01	1.16E+01	
76	0.49 MI N - PSW-03 NE CORNER OF THE MET T	11/2/2010	1	PB-212	1.10E+01	7.23E+00	
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO	3/10/2010	1	PB-212	2.39E+01	1.17E+01	
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO	3/10/2010	1	K-40	2.95E+02	7.22E+01	
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO	3/10/2010	1	TL-208	9.68E+00	7.59E+00	
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO	3/10/2010	1	RA-226	1.45E+02	1.11E+02	
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO	3/10/2010	1	PB-214	4.11E+01	1.21E+01	
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO	3/10/2010	1	BI-214	3.94E+01	1.19E+01	
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO	5/17/2010	1	PB-214	2.31E+01	1.08E+01	
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO	5/17/2010	1	TL-208	8.07E+00	4.76E+00	
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO	5/17/2010	1	PB-212	1.02E+01	7.73E+00	
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO	5/17/2010	1	BI-214	1.51E+01	1.18E+01	
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO	5/17/2010	1	TH-234	2.46E+02	1.45E+02	
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO	5/17/2010	1	AC-228	2.90E+01	1.51E+01	
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO	5/17/2010	1	RA-226	2.48E+02	1.28E+02	
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO	5/17/2010	1	K-40	6.56E+02	9.33E+01	
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO	8/9/2010	1	TH-234	2.44E+02	1.81E+02	
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO	8/9/2010	1	RA-226	1.98E+02	1.20E+02	
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO	8/9/2010	1	PB-214	4.33E+01	1.72E+01	
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO	8/9/2010	1	BI-214	5.53E+01	1.34E+01	
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO	8/9/2010	1	PB-212	1.80E+01	7.81E+00	
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO	8/9/2010	1	TL-208	1.07E+01	5.45E+00	

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
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO	8/9/2010	1	K-40	2.48E+02	6.24E+01	
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO	11/2/2010	1	BI-214	3.69E+01	1.01E+01	
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO	11/2/2010	1	K-40	5.87E+02	8.00E+01	
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO	11/2/2010	1	PB-214	2.35E+01	1.17E+01	
77	0.25 MI SSE - TS-01B BY ENTRANCE ROAD TO	11/2/2010	1	RA-226	1.44E+02	1.04E+02	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	3/10/2010	1	TH-234	1.92E+02	1.42E+02	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	3/10/2010	1	PB-212	5.59E+01	1.07E+01	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	3/10/2010	1	RA-226	1.95E+02	1.20E+02	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	3/10/2010	1	BI-214	3.54E+01	1.15E+01	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	3/10/2010	1	TL-208	2.07E+01	7.09E+00	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	3/10/2010	1	K-40	4.52E+02	8.63E+01	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	3/10/2010	1	PB-214	3.57E+01	1.50E+01	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	5/18/2010	1	BI-214	2.81E+01	9.25E+00	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	5/18/2010	1	PB-214	2.77E+01	9.28E+00	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	5/18/2010	1	RA-226	2.60E+02	8.07E+01	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	5/18/2010	1	BI-212	4.01E+01	3.63E+01	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	5/18/2010	1	TH-234	1.96E+02	1.48E+02	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	5/18/2010	1	AC-228	3.35E+01	1.44E+01	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	5/18/2010	1	K-40	4.26E+02	6.08E+01	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	5/18/2010	1	TL-208	1.43E+01	4.98E+00	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	5/18/2010	1	PB-212	4.03E+01	9.81E+00	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	8/9/2010	1	K-40	5.75E+02	8.24E+01	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	8/9/2010	1	TL-208	1.99E+01	5.93E+00	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	8/9/2010	1	PB-212	4.45E+01	9.63E+00	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	8/9/2010	1	BI-214	2.54E+01	9.40E+00	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	8/9/2010	1	RA-226	1.73E+02	1.04E+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*
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	8/9/2010	1	AC-228	4.75E+01	1.34E+01	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	11/2/2010	1	TL-208	1.76E+01	5.37E+00	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	11/2/2010	1	BI-212	4.10E+01	2.60E+01	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	11/2/2010	1	BI-214	3.98E+01	1.02E+01	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	11/2/2010	1	K-40	2.57E+02	6.83E+01	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	11/2/2010	1	TH-234	2.38E+02	1.28E+02	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	11/2/2010	1	PB-214	3.72E+01	1.00E+01	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	11/2/2010	1	RA-226	1.88E+02	9.11E+01	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	11/2/2010	1	AC-228	4.54E+01	1.77E+01	
78	0.17 MI SSE - TS-02C NE CORNER BY EAST SE	11/2/2010	1	PB-212	5.55E+01	7.25E+00	
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCH	3/9/2010	1	TL-208	1.30E+01	5.46E+00	
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCH	3/9/2010	1	PB-212	2.68E+01	1.05E+01	
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCH	3/9/2010	1	BI-214	3.31E+01	1.07E+01	
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCH	3/9/2010	1	PB-214	2.91E+01	9.87E+00	
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCH	3/9/2010	1	RA-226	2.54E+02	1.17E+02	
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCH	3/9/2010	1	TH-234	2.09E+02	1.65E+02	
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCH	3/9/2010	1	K-40	2.66E+02	6.39E+01	
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCH	5/18/2010	1	BI-214	2.23E+01	1.02E+01	
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCH	5/18/2010	1	TL-208	6.05E+00	4.10E+00	
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCH	5/18/2010	1	K-40	5.97E+02	7.94E+01	
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCH	5/18/2010	1	PB-212	2.35E+01	6.72E+00	
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCH	5/18/2010	1	PB-214	1.85E+01	9.09E+00	
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCH	8/10/2010	1	PB-212	2.26E+01	7.77E+00	
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCH	8/10/2010	1	TL-208	7.09E+01	4.37E+00	
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCH	8/10/2010	1	K-40	4.86E+02	8.08E+01	
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCH	8/10/2010	1	BI-214	1.63E+01	9.26E+00	

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
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCH	8/10/2010	1	PB-214	1.83E+01	8.53E+00	
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCH	8/10/2010	1	RA-226	1.65E+02	9.46E+01	
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCH	11/2/2010	1	TH-234	1.93E+02	1.82E+02	
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCH	11/2/2010	1	RA-226	2.32E+02	8.82E+01	
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCH	11/2/2010	1	K-40	1.74E+02	8.54E+01	
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCH	11/2/2010	1	PB-214	3.87E+01	1.15E+01	
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCH	11/2/2010	1	BI-214	3.90E+01	1.07E+01	
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCH	11/2/2010	1	PB-212	3.97E+01	8.19E+00	
79	1.0 MI N - TS-07C S CORNER BY COVE & DISCH	11/2/2010	1	TL-208	1.34E+01	7.69E+00	
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET T	3/9/2010	1	BI-214	7.92E+01	1.48E+01	
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET T	3/9/2010	1	TL-208	1.09E+01	5.58E+00	
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET T	3/9/2010	1	PB-214	6.28E+01	1.32E+01	
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET T	3/9/2010	1	TH-234	3.64E+02	1.53E+02	
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET T	3/9/2010	1	K-40	3.75E+02	8.10E+01	
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET T	3/9/2010	1	RA-226	1.92E+02	1.29E+02	
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET T	3/9/2010	1	PB-212	2.59E+01	1.05E+01	
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET T	5/18/2010	1	BI-214	5.03E+01	1.35E+01	
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET T	5/18/2010	1	PB-212	1.81E+01	6.90E+00	
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET T	5/18/2010	1	PB-214	3.01E+01	1.47E+01	
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET T	5/18/2010	1	RA-226	2.71E+02	8.99E+01	
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET T	5/18/2010	1	K-40	2.61E+02	6.70E+01	
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET T	5/18/2010	1	TH-234	2.24E+02	1.68E+02	
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET T	8/10/2010	1	TH-234	2.44E+02	1.44E+02	
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET T	8/10/2010	1	RA-226	2.12E+02	6.86E+01	
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET T	8/10/2010	1	PB-214	1.84E+01	9.79E+00	
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET T	8/10/2010	1	BI-214	2.82E+01	8.33E+00	

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
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET T	8/10/2010	1	PB-212	1.67E+01	5.75E+00	
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET T	8/10/2010	1	K-40	2.67E+02	4.91E+01	
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET T	11/2/2010	1	RA-226	1.45E+02	1.15E+02	
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET T	11/2/2010	1	TL-208	7.16E+00	4.21E+00	
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET T	11/2/2010	1	PB-214	4.29E+01	1.09E+01	
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET T	11/2/2010	1	BI-214	5.05E+01	1.15E+01	
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET T	11/2/2010	1	PB-212	8.85E+00	6.78E+00	
80	0.97 MI NNW - TS-08C E OF DIRT RD TO MET T	11/2/2010	1	K-40	5.50E+02	8.08E+01	
81	0.19 MI SSE - TS-17B W OF WEST SETTLING P	3/9/2010	1	BI-214	1.44E+02	1.89E+01	
81	0.19 MI SSE - TS-17B W OF WEST SETTLING P	3/9/2010	1	PB-214	1.28E+02	1.75E+01	
81	0.19 MI SSE - TS-17B W OF WEST SETTLING P	3/9/2010	1	PB-212	1.73E+01	8.52E+00	
81	0.19 MI SSE - TS-17B W OF WEST SETTLING P	3/9/2010	1	TL-208	9.11E+00	5.25E+00	
81	0.19 MI SSE - TS-17B W OF WEST SETTLING P	3/9/2010	1	K-40	5.71E+02	9.59E+01	
81	0.19 MI SSE - TS-17B W OF WEST SETTLING P	5/18/2010	1	PB-212	1.10E+01	6.29E+00	
81	0.19 MI SSE - TS-17B W OF WEST SETTLING P	5/18/2010	1	BI-214	5.64E+01	1.21E+01	
81	0.19 MI SSE - TS-17B W OF WEST SETTLING P	5/18/2010	1	RA-226	2.17E+02	1.11E+02	
81	0.19 MI SSE - TS-17B W OF WEST SETTLING P	5/18/2010	1	PB-214	5.19E+01	1.17E+01	
81	0.19 MI SSE - TS-17B W OF WEST SETTLING P	5/18/2010	1	K-40	4.89E+02	8.97E+01	
81	0.19 MI SSE - TS-17B W OF WEST SETTLING P	8/10/2010	1	PB-214	9.10E+01	1.31E+01	
81	0.19 MI SSE - TS-17B W OF WEST SETTLING P	8/10/2010	1	RA-226	2.07E+02	1.12E+02	
81	0.19 MI SSE - TS-17B W OF WEST SETTLING P	8/10/2010	1	BI-214	8.69E+01	1.28E+01	
81	0.19 MI SSE - TS-17B W OF WEST SETTLING P	8/10/2010	1	PB-212	1.40E+01	6.96E+00	
81	0.19 MI SSE - TS-17B W OF WEST SETTLING P	8/10/2010	1	TL-208	9.64E+00	4.98E+00	
81	0.19 MI SSE - TS-17B W OF WEST SETTLING P	8/10/2010	1	K-40	4.54E+02	6.88E+01	
81	0.19 MI SSE - TS-17B W OF WEST SETTLING P	8/10/2010	1	TH-234	2.63E+02	1.34E+02	
81	0.19 MI SSE - TS-17B W OF WEST SETTLING P	11/2/2010	1	K-40	4.62E+02	7.37E+01	

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
81	0.19 MI SSE - TS-17B W OF WEST SETTLING P	11/2/2010	1	TL-208	4.76E+00	3.85E+00	
81	0.19 MI SSE - TS-17B W OF WEST SETTLING P	11/2/2010	1	PB-212	1.61E+01	6.52E+00	
81	0.19 MI SSE - TS-17B W OF WEST SETTLING P	11/2/2010	1	BI-214	2.03E+02	2.13E+01	
81	0.19 MI SSE - TS-17B W OF WEST SETTLING P	11/2/2010	1	PB-214	2.15E+02	1.88E+01	
81	0.19 MI SSE - TS-17B W OF WEST SETTLING P	11/2/2010	1	RA-226	1.54E+02	9.77E+01	
81	0.19 MI SSE - TS-17B W OF WEST SETTLING P	11/2/2010	1	TH-234	4.68E+02	1.95E+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	5/12/2010	761	K-40	3.95E+00	6.61E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/12/2010	761	RA-226	4.68E+00	1.40E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/12/2010	761	PB-214	1.74E+00	1.74E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/12/2010	761	BI-214	1.49E+00	2.06E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/12/2010	761	PB-212	2.22E+00	1.86E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/12/2010	761	BI-212	1.49E+00	4.19E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/12/2010	761	TL-208	7.80E-01	9.88E-02	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/12/2010	761	AC-228	2.32E+00	3.37E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/12/2010	761	CS-137	1.30E-01	5.55E-02	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/12/2010	761	TH-234	2.08E+00	2.00E+00	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	602.3	CO-60	1.86E-01	5.35E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	602.3	CS-137	8.02E-01	1.09E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	602.3	TL-208	6.09E-01	1.05E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	602.3	BI-212	8.39E-01	4.79E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	602.3	PB-212	1.90E+00	1.65E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	602.3	BI-214	2.73E+00	2.82E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	602.3	PB-214	2.82E+00	2.56E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	602.3	RA-226	7.52E+00	1.59E+00	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	602.3	AC-228	1.71E+00	3.39E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	602.3	K-40	3.89E+00	8.19E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	274.5	AC-228	1.19E+00	2.40E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	274.5	K-40	2.78E+00	6.77E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	274.5	TH-234	5.21E+00	2.41E+00	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	274.5	RA-226	6.84E+00	1.46E+00	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	274.5	PB-214	1.52E+00	1.87E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	274.5	BI-214	1.26E+00	1.84E-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	5/14/2010	274.5	PB-212	1.27E+00	1.33E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	274.5	TL-208	4.36E-01	8.00E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	274.5	CS-137	4.51E-01	9.88E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	274.5	CO-60	6.73E-02	4.48E-02	
66	Black Creek between Prestwood Lake discharge an	5/14/2010	1833.2	K-40	2.77E+00	3.68E-01	
66	Black Creek between Prestwood Lake discharge an	5/14/2010	1833.2	RA-226	1.38E+00	5.54E-01	
66	Black Creek between Prestwood Lake discharge an	5/14/2010	1833.2	PB-214	6.60E-01	7.65E-02	
66	Black Creek between Prestwood Lake discharge an	5/14/2010	1833.2	BI-214	5.74E-01	7.46E-02	
66	Black Creek between Prestwood Lake discharge an	5/14/2010	1833.2	PB-212	9.27E-01	7.36E-02	
66	Black Creek between Prestwood Lake discharge an	5/14/2010	1833.2	BI-212	7.76E-01	1.96E-01	
66	Black Creek between Prestwood Lake discharge an	5/14/2010	1833.2	TL-208	3.50E-01	4.22E-02	
66	Black Creek between Prestwood Lake discharge an	5/14/2010	1833.2	AC-228	1.01E+00	1.28E-01	

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	3/24/2010	1523	BI-214	1.08E-01	2.80E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	3/24/2010	1523	TL-208	2.31E-02	1.18E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	3/24/2010	1523	PB-212	8.68E-02	1.70E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	3/24/2010	1523	PB-214	1.39E-01	2.97E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	3/24/2010	1523	RA-226	4.02E-01	2.55E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	3/24/2010	1523	AC-228	7.96E-02	3.89E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	3/24/2010	1523	BI-212	1.50E-01	6.88E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	9/28/2010	1478.2	BI-214	3.08E-01	4.78E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	9/28/2010	1478.2	PB-214	2.50E-01	4.66E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	9/28/2010	1478.2	K-40	2.27E-01	1.46E-01	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	9/28/2010	1478.2	RA-226	6.91E-01	2.88E-01	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	9/28/2010	1478.2	PB-212	2.00E-01	3.14E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	9/28/2010	1478.2	BI-212	1.15E-01	8.53E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	9/28/2010	1478.2	TL-208	5.30E-02	1.96E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	9/28/2010	1478.2	AC-228	2.09E-01	5.00E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	9/28/2010	1478.2	BE-7	1.22E-01	1.16E-01	
57	ASH POND	3/24/2010	1255.4	AC-228	2.05E+00	2.36E-01	
57	ASH POND	3/24/2010	1255.4	PB-212	1.99E+00	1.36E-01	
57	ASH POND	3/24/2010	1255.4	BI-214	2.87E+00	2.26E-01	
57	ASH POND	3/24/2010	1255.4	RA-226	7.36E+00	1.14E+00	
57	ASH POND	3/24/2010	1255.4	TH-234	2.45E+00	1.50E+00	
57	ASH POND	3/24/2010	1255.4	K-40	1.21E+01	1.06E+00	
57	ASH POND	3/24/2010	1255.4	TL-208	6.52E-01	6.41E-02	
57	ASH POND	3/24/2010	1255.4	BI-212	1.50E+00	3.55E-01	
57	ASH POND	3/24/2010	1255.4	PB-214	2.99E+00	2.09E-01	
57	ASH POND	9/28/2010	667.8	TH-234	4.93E+00	2.96E+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	9/28/2010	667.8	K-40	1.63E+01	1.68E+00	
57	ASH POND	9/28/2010	667.8	TL-208	9.05E-01	1.11E-01	
57	ASH POND	9/28/2010	667.8	BI-212	2.25E+00	5.17E-01	
57	ASH POND	9/28/2010	667.8	PB-212	2.77E+00	2.15E-01	
57	ASH POND	9/28/2010	667.8	BI-214	3.27E+00	3.05E-01	
57	ASH POND	9/28/2010	667.8	PB-214	3.35E+00	2.83E-01	
57	ASH POND	9/28/2010	667.8	AC-228	2.79E+00	3.86E-01	
57	ASH POND	9/28/2010	667.8	RA-226	7.83E+00	1.92E+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-	1/22/2010	1.00	TL-208	6.74E+00	2.27E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	1/22/2010	1.00	PB-212	9.64E+00	3.65E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	1/22/2010	1.00	BI-214	1.18E+01	4.22E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	1/22/2010	1.00	PB-214	8.15E+00	5.38E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	1/22/2010	1.00	RA-226	1.11E+02	4.92E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	1/22/2010	1.00	AC-228	1.87E+01	7.31E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	1/22/2010	1.00	TH-234	8.92E+01	7.18E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	1/22/2010	1.00	K-40	5.66E+02	5.19E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	2/18/2010	1.00	TL-208	4.73E+00	2.25E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	2/18/2010	1.00	TH-234	2.46E+02	7.43E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	2/18/2010	1.00	AC-228	1.33E+01	5.49E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	2/18/2010	1.00	RA-226	1.51E+02	3.95E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	2/18/2010	1.00	PB-214	1.52E+01	3.97E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	2/18/2010	1.00	PB-212	7.91E+00	3.25E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	2/18/2010	1.00	K-40	2.37E+02	3.26E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	2/18/2010	1.00	BI-214	1.66E+01	3.71E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	3/19/2010	1.00	RA-226	1.11E+02	4.55E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	3/19/2010	1.00	TL-208	4.29E+00	1.97E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	3/19/2010	1.00	TH-234	1.37E+02	7.83E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	3/19/2010	1.00	AC-228	1.01E+01	6.63E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	3/19/2010	1.00	PB-212	9.81E+00	3.55E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	3/19/2010	1.00	K-40	5.89E+02	5.39E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	3/19/2010	1.00	BI-214	1.00E+01	4.62E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	4/19/2010	1.00	RA-226	1.19E+02	3.69E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	4/19/2010	1.00	AC-228	1.24E+01	7.76E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	4/19/2010	1.00	BI-214	1.24E+01	4.36E+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-	4/19/2010	1.00	PB-212	1.13E+01	3.39E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	4/19/2010	1.00	TL-208	4.70E+00	2.22E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	4/19/2010	1.00	K-40	5.14E+02	4.82E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	4/19/2010	1.00	TH-234	2.24E+02	7.17E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	5/22/2010	1.00	TH-234	2.05E+02	6.83E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	5/22/2010	1.00	TL-208	5.40E+00	1.80E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	5/22/2010	1.00	K-40	5.36E+02	4.62E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	5/22/2010	1.00	PB-212	7.51E+00	2.83E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	5/22/2010	1.00	BI-214	1.22E+01	3.18E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	5/22/2010	1.00	RA-226	1.18E+02	4.25E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	6/21/2010	1.00	K-40	2.32E+02	2.66E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	6/21/2010	1.00	TL-208	3.04E+00	1.66E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	6/21/2010	1.00	PB-212	9.48E+00	2.13E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	6/21/2010	1.00	BI-214	1.68E+01	4.39E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	6/21/2010	1.00	PB-214	1.40E+01	3.51E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	6/21/2010	1.00	RA-226	1.71E+02	3.44E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	6/21/2010	1.00	TH-234	1.78E+02	5.42E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	7/22/2010	1.00	K-40	5.69E+02	5.05E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	7/22/2010	1.00	TH-234	1.77E+02	6.47E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	7/22/2010	1.00	PB-214	9.69E+00	3.38E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	7/22/2010	1.00	BI-214	1.62E+01	4.36E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	7/22/2010	1.00	AC-228	1.36E+01	6.91E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	7/22/2010	1.00	RA-226	1.18E+02	4.47E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	7/22/2010	1.00	TL-208	4.12E+00	1.99E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	7/22/2010	1.00	PB-212	7.26E+00	2.98E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	8/23/2010	1.00	AC-228	1.23E+01	6.61E+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-	8/23/2010	1.00	RA-226	2.62E+02	5.05E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	8/23/2010	1.00	PB-214	2.00E+01	4.44E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	8/23/2010	1.00	K-40	4.51E+02	3.99E+02	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	8/23/2010	1.00	BI-214	1.96E+01	3.78E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	8/23/2010	1.00	TH-234	2.32E+02	6.11E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	8/23/2010	1.00	TL-208	6.09E+00	1.79E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	8/23/2010	1.00	PB-212	1.70E+01	2.59E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	9/20/2010	1.00	TH-234	2.51E+02	6.06E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	9/20/2010	1.00	AC-228	9.56E+00	5.26E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	9/20/2010	1.00	RA-226	2.12E+02	3.99E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	9/20/2010	1.00	PB-214	1.43E+01	3.10E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	9/20/2010	1.00	BI-214	1.59E+01	3.87E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	9/20/2010	1.00	TL-208	6.92E+00	1.68E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	9/20/2010	1.00	K-40	3.86E+02	3.71E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	9/20/2010	1.00	PB-212	1.19E+01	3.09E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	10/18/2010	1.00	RA-226	1.27E+02	4.56E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	10/18/2010	1.00	PB-212	9.15E+00	3.01E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	10/18/2010	1.00	PB-214	1.34E+01	4.33E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	10/18/2010	1.00	TL-208	4.85E+00	2.02E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	10/18/2010	1.00	K-40	5.84E+02	5.02E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	10/18/2010	1.00	BI-214	1.61E+01	4.39E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	10/18/2010	1.00	TH-234	1.73E+02	6.57E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	10/18/2010	1.00	AC-228	1.08E+01	5.60E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	11/15/2010	1.00	AC-228	1.47E+01	6.65E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	11/15/2010	1.00	RA-226	6.14E+01	4.22E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	11/15/2010	1.00	PB-214	1.18E+01	3.38E+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-	11/15/2010	1.00	BI-214	1.52E+01	4.95E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	11/15/2010	1.00	PB-212	9.99E+00	3.27E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	11/15/2010	1.00	TL-208	3.02E+00	1.77E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	11/15/2010	1.00	K-40	5.94E+02	5.05E+02	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	11/15/2010	1.00	TH-234	1.45E+02	5.91E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	12/17/2010	1.00	PB-214	1.46E+01	3.47E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	12/17/2010	1.00	TL-208	4.09E+00	1.82E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	12/17/2010	1.00	BI-214	1.89E+01	4.34E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	12/17/2010	1.00	K-40	2.28E+02	2.73E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	12/17/2010	1.00	RA-226	1.73E+02	3.30E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	12/17/2010	1.00	TH-234	1.89E+02	4.78E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	12/17/2010	1.00	PB-212	8.33E+00	1.84E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	1/22/2010	1.00	TL-208	4.41E+00	2.13E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	1/22/2010	1.00	PB-212	8.38E+00	2.96E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	1/22/2010	1.00	BI-214	1.11E+01	3.57E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	1/22/2010	1.00	PB-214	1.06E+01	4.81E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	1/22/2010	1.00	RA-226	1.93E+02	4.34E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	1/22/2010	1.00	TH-234	1.62E+02	5.87E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	1/22/2010	1.00	K-40	2.47E+02	3.04E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	2/18/2010	1.00	PB-212	7.71E+00	2.93E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	2/18/2010	1.00	K-40	5.95E+02	5.25E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	2/18/2010	1.00	TL-208	5.59E+00	2.27E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	2/18/2010	1.00	BI-214	1.21E+01	3.68E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	2/18/2010	1.00	RA-226	1.32E+02	4.96E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	2/18/2010	1.00	AC-228	1.67E+01	8.36E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	2/18/2010	1.00	TH-234	1.08E+02	7.15E+01	

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	2/18/2010	1.00	PB-214	1.11E+01	4.21E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	3/19/2010	1.00	BI-214	1.29E+01	4.13E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	3/19/2010	1.00	K-40	2.67E+02	3.23E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	3/19/2010	1.00	PB-212	7.45E+00	3.39E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	3/19/2010	1.00	PB-214	1.06E+01	3.49E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	3/19/2010	1.00	RA-226	1.78E+02	4.06E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	3/19/2010	1.00	TH-234	2.12E+02	7.20E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	3/19/2010	1.00	TL-208	3.47E+00	1.88E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	4/19/2010	1.00	TL-208	5.79E+00	2.05E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	4/19/2010	1.00	K-40	2.36E+02	3.07E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	4/19/2010	1.00	AC-228	6.73E+00	5.44E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	4/19/2010	1.00	PB-214	1.85E+01	4.01E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	4/19/2010	1.00	TH-234	1.50E+02	6.34E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	4/19/2010	1.00	BI-214	2.00E+01	4.44E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	4/19/2010	1.00	PB-212	1.31E+01	2.31E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	4/19/2010	1.00	RA-226	1.81E+02	3.76E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/22/2010	1.00	K-40	2.56E+02	3.04E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/22/2010	1.00	TH-234	1.90E+02	5.84E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/22/2010	1.00	AC-228	1.08E+01	8.84E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/22/2010	1.00	RA-226	1.76E+02	3.59E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/22/2010	1.00	PB-214	1.15E+01	3.02E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/22/2010	1.00	BI-214	1.60E+01	3.73E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/22/2010	1.00	TL-208	3.29E+00	1.61E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/22/2010	1.00	PB-212	8.77E+00	2.35E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	6/21/2010	1.00	PB-214	1.37E+01	3.38E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	6/21/2010	1.00	BI-214	1.20E+01	3.08E+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	6/21/2010	1.00	PB-212	1.39E+01	2.41E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	6/21/2010	1.00	TL-208	6.80E+00	1.66E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	6/21/2010	1.00	K-40	2.22E+02	2.61E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	6/21/2010	1.00	AC-228	1.56E+01	5.28E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	6/21/2010	1.00	TH-234	2.44E+02	5.81E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	6/21/2010	1.00	RA-226	1.81E+02	3.30E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	7/22/2010	1.00	PB-214	1.64E+01	3.07E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	7/22/2010	1.00	K-40	2.41E+02	2.83E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	7/22/2010	1.00	TH-234	2.59E+02	7.26E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	7/22/2010	1.00	AC-228	9.21E+00	5.96E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	7/22/2010	1.00	TL-208	3.82E+00	1.67E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	7/22/2010	1.00	BI-214	1.76E+01	3.87E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	7/22/2010	1.00	RA-226	1.81E+02	3.43E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	7/22/2010	1.00	PB-212	8.64E+00	2.92E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	8/23/2010	1.00	AC-228	9.94E+00	6.25E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	8/23/2010	1.00	TL-208	4.45E+00	1.89E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	8/23/2010	1.00	RA-226	1.42E+02	4.49E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	8/23/2010	1.00	K-40	5.76E+02	5.00E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	8/23/2010	1.00	PB-214	8.85E+00	3.78E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	8/23/2010	1.00	BI-214	1.95E+01	4.72E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	8/23/2010	1.00	PB-212	9.82E+00	3.24E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	8/23/2010	1.00	TH-234	9.88E+01	6.57E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	9/20/2010	1.00	BI-214	2.48E+01	4.45E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	9/20/2010	1.00	K-40	2.42E+02	2.79E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	9/20/2010	1.00	RA-226	1.76E+02	3.59E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	9/20/2010	1.00	PB-214	2.39E+01	3.78E+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	9/20/2010	1.00	PB-212	7.94E+00	2.21E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	9/20/2010	1.00	TL-208	5.02E+00	1.75E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	9/20/2010	1.00	TH-234	2.01E+02	6.20E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	10/18/2010	1.00	K-40	2.64E+02	2.96E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	10/18/2010	1.00	PB-212	1.09E+01	2.24E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	10/18/2010	1.00	RA-226	1.80E+02	4.08E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	10/18/2010	1.00	TL-208	3.09E+00	1.94E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	10/18/2010	1.00	PB-214	2.86E+01	4.42E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	10/18/2010	1.00	TH-234	2.41E+02	5.77E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	10/18/2010	1.00	BI-214	3.12E+01	4.56E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	11/15/2010	1.00	RA-226	1.81E+02	3.52E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	11/15/2010	1.00	K-40	2.43E+02	2.86E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	11/15/2010	1.00	BI-214	3.83E+01	5.37E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	11/15/2010	1.00	TL-208	5.47E+00	2.40E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	11/15/2010	1.00	PB-212	9.63E+00	2.23E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	11/15/2010	1.00	PB-214	3.24E+01	4.25E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	11/15/2010	1.00	TH-234	2.71E+02	6.32E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	12/17/2010	1.00	RA-226	1.18E+02	5.00E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	12/17/2010	1.00	TH-234	1.02E+02	6.06E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	12/17/2010	1.00	TL-208	5.15E+00	2.10E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	12/17/2010	1.00	PB-214	1.25E+01	3.83E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	12/17/2010	1.00	BI-214	2.29E+01	4.62E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	12/17/2010	1.00	PB-212	7.29E+00	3.34E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	12/17/2010	1.00	K-40	5.79E+02	5.19E+01	
57	ASH POND	1/22/2010	1.00	TH-234	1.99E+02	6.56E+01	
57	ASH POND	1/22/2010	1.00	TL-208	3.78E+00	2.00E+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	1/22/2010	1.00	AC-228	9.05E+00	8.73E+00	
57	ASH POND	1/22/2010	1.00	RA-226	2.02E+02	4.74E+01	
57	ASH POND	1/22/2010	1.00	PB-214	7.19E+00	4.80E+00	
57	ASH POND	1/22/2010	1.00	PB-212	7.84E+00	3.26E+00	
57	ASH POND	1/22/2010	1.00	K-40	4.05E+02	4.25E+01	
57	ASH POND	1/22/2010	1.00	BI-214	1.34E+01	4.47E+00	
57	ASH POND	2/18/2010	1.00	PB-214	1.70E+01	5.21E+00	
57	ASH POND	2/18/2010	1.00	K-40	2.35E+02	3.03E+01	
57	ASH POND	2/18/2010	1.00	TL-208	4.79E+00	1.91E+00	
57	ASH POND	2/18/2010	1.00	BI-214	1.24E+01	4.08E+00	
57	ASH POND	2/18/2010	1.00	RA-226	1.88E+02	4.49E+01	
57	ASH POND	2/18/2010	1.00	TH-234	2.32E+02	6.43E+01	
57	ASH POND	2/18/2010	1.00	PB-212	1.14E+01	2.99E+00	
57	ASH POND	3/19/2010	1.00	BI-214	1.99E+01	4.20E+00	
57	ASH POND	3/19/2010	1.00	TH-234	1.91E+02	6.19E+01	
57	ASH POND	3/19/2010	1.00	AC-228	1.89E+01	6.37E+00	
57	ASH POND	3/19/2010	1.00	PB-214	1.65E+01	4.15E+00	
57	ASH POND	3/19/2010	1.00	PB-212	1.48E+01	3.24E+00	
57	ASH POND	3/19/2010	1.00	TL-208	6.62E+00	2.28E+00	
57	ASH POND	3/19/2010	1.00	K-40	4.94E+02	4.54E+01	
57	ASH POND	3/19/2010	1.00	RA-226	2.19E+02	4.94E+01	
57	ASH POND	4/19/2010	1.00	RA-226	2.17E+02	4.31E+01	
57	ASH POND	4/19/2010	1.00	K-40	2.45E+02	3.51E+01	
57	ASH POND	4/19/2010	1.00	AC-228	1.88E+01	7.99E+00	
57	ASH POND	4/19/2010	1.00	PB-214	1.26E+01	4.98E+00	
57	ASH POND	4/19/2010	1.00	BI-214	1.98E+01	6.13E+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	4/19/2010	1.00	PB-212	1.61E+01	3.46E+00	
57	ASH POND	4/19/2010	1.00	TL-208	5.98E+00	2.14E+00	
57	ASH POND	4/19/2010	1.00	TH-234	2.78E+02	7.08E+01	
57	ASH POND	5/22/2010	1.00	AC-228	1.62E+01	7.20E+00	
57	ASH POND	5/22/2010	1.00	K-40	2.40E+02	3.36E+01	
57	ASH POND	5/22/2010	1.00	TL-208	6.62E+00	2.61E+00	
57	ASH POND	5/22/2010	1.00	TH-234	2.26E+02	6.66E+01	
57	ASH POND	5/22/2010	1.00	RA-226	2.03E+02	4.24E+01	
57	ASH POND	5/22/2010	1.00	PB-214	1.32E+01	4.74E+00	
57	ASH POND	5/22/2010	1.00	BI-214	1.74E+01	5.19E+00	
57	ASH POND	5/22/2010	1.00	PB-212	1.48E+01	3.11E+00	
57	ASH POND	5/22/2010	1.00	BI-212	1.93E+01	1.49E+01	
57	ASH POND	6/21/2010	1.00	TH-234	2.25E+02	5.42E+01	
57	ASH POND	6/21/2010	1.00	PB-212	1.54E+01	3.21E+00	
57	ASH POND	6/21/2010	1.00	K-40	4.62E+02	3.92E+01	
57	ASH POND	6/21/2010	1.00	TL-208	5.89E+00	1.75E+00	
57	ASH POND	6/21/2010	1.00	RA-226	1.84E+02	3.92E+01	
57	ASH POND	6/21/2010	1.00	PB-214	1.61E+01	3.59E+00	
57	ASH POND	6/21/2010	1.00	BI-214	1.98E+01	4.54E+00	
57	ASH POND	7/22/2010	1.00	TH-234	2.41E+02	7.23E+01	
57	ASH POND	7/22/2010	1.00	TL-208	6.41E+00	2.13E+00	
57	ASH POND	7/22/2010	1.00	PB-212	1.52E+01	3.18E+00	
57	ASH POND	7/22/2010	1.00	BI-214	2.34E+01	5.36E+00	
57	ASH POND	7/22/2010	1.00	K-40	2.13E+02	3.30E+01	
57	ASH POND	7/22/2010	1.00	AC-228	2.00E+01	7.31E+00	
57	ASH POND	7/22/2010	1.00	RA-226	2.13E+02	4.77E+01	

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	7/22/2010	1.00	PB-214	1.97E+01	4.87E+00	
57	ASH POND	8/23/2010	1.00	RA-226	2.00E+02	4.45E+01	
57	ASH POND	8/23/2010	1.00	PB-212	1.22E+01	2.79E+00	
57	ASH POND	8/23/2010	1.00	PB-214	2.19E+01	4.32E+00	
57	ASH POND	8/23/2010	1.00	BI-214	2.50E+01	5.18E+00	
57	ASH POND	8/23/2010	1.00	TL-208	4.26E+00	2.43E+00	
57	ASH POND	8/23/2010	1.00	TH-234	2.15E+02	6.48E+01	
57	ASH POND	8/23/2010	1.00	AC-228	1.68E+01	7.35E+00	
57	ASH POND	8/23/2010	1.00	K-40	2.26E+02	3.21E+01	
57	ASH POND	9/20/2010	1.00	AC-228	1.90E+01	6.12E+00	
57	ASH POND	9/20/2010	1.00	RA-226	2.45E+02	4.70E+01	
57	ASH POND	9/20/2010	1.00	PB-214	1.84E+01	4.72E+00	
57	ASH POND	9/20/2010	1.00	BI-214	2.26E+01	4.71E+00	
57	ASH POND	9/20/2010	1.00	TH-234	1.97E+02	7.09E+01	
57	ASH POND	9/20/2010	1.00	PB-212	1.53E+01	2.79E+00	
57	ASH POND	9/20/2010	1.00	K-40	2.06E+02	3.38E+01	
57	ASH POND	9/20/2010	1.00	TL-208	6.74E+00	2.34E+00	
57	ASH POND	10/18/2010	1.00	PB-212	1.43E+01	2.71E+00	
57	ASH POND	10/18/2010	1.00	TL-208	4.50E+00	2.36E+00	
57	ASH POND	10/18/2010	1.00	BI-214	2.30E+01	4.73E+00	
57	ASH POND	10/18/2010	1.00	TH-234	2.42E+02	6.51E+01	
57	ASH POND	10/18/2010	1.00	AC-228	1.89E+01	9.39E+00	
57	ASH POND	10/18/2010	1.00	RA-226	1.44E+02	3.84E+01	
57	ASH POND	10/18/2010	1.00	PB-214	1.45E+01	5.05E+00	
57	ASH POND	10/18/2010	1.00	K-40	2.14E+02	3.23E+01	
57	ASH POND	11/15/2010	1.00	TL-208	5.81E+00	2.04E+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	11/15/2010	1.00	TH-234	2.25E+02	6.51E+01	
57	ASH POND	11/15/2010	1.00	AC-228	1.62E+01	6.43E+00	
57	ASH POND	11/15/2010	1.00	RA-226	1.73E+02	4.20E+01	
57	ASH POND	11/15/2010	1.00	PB-214	1.47E+01	3.90E+00	
57	ASH POND	11/15/2010	1.00	BI-214	1.74E+01	4.52E+00	
57	ASH POND	11/15/2010	1.00	BI-212	1.83E+01	1.47E+01	
57	ASH POND	11/15/2010	1.00	K-40	2.21E+02	3.33E+01	
57	ASH POND	11/15/2010	1.00	PB-212	1.21E+01	2.72E+00	
57	ASH POND	12/17/2010	1.00	TH-234	1.93E+02	6.09E+01	
57	ASH POND	12/17/2010	1.00	BI-214	2.30E+01	4.24E+00	
57	ASH POND	12/17/2010	1.00	K-40	4.27E+02	4.04E+01	
57	ASH POND	12/17/2010	1.00	RA-226	2.03E+02	4.50E+01	
57	ASH POND	12/17/2010	1.00	AC-228	1.85E+01	5.64E+00	
57	ASH POND	12/17/2010	1.00	TL-208	6.94E+00	1.59E+00	
57	ASH POND	12/17/2010	1.00	BI-212	1.46E+01	1.08E+01	
57	ASH POND	12/17/2010	1.00	PB-212	1.43E+01	2.56E+00	
57	ASH POND	12/17/2010	1.00	PB-214	1.71E+01	3.54E+00	
66	Black Creek between Prestwood Lake discharge an	1/22/2010	1.00	K-40	5.33E+02	4.74E+01	
66	Black Creek between Prestwood Lake discharge an	1/22/2010	1.00	TL-208	6.56E+00	2.16E+00	
66	Black Creek between Prestwood Lake discharge an	1/22/2010	1.00	PB-212	1.23E+01	4.04E+00	
66	Black Creek between Prestwood Lake discharge an	1/22/2010	1.00	BI-214	1.23E+01	4.01E+00	
66	Black Creek between Prestwood Lake discharge an	1/22/2010	1.00	RA-226	1.14E+02	5.32E+01	
66	Black Creek between Prestwood Lake discharge an	1/22/2010	1.00	AC-228	1.25E+01	6.65E+00	
66	Black Creek between Prestwood Lake discharge an	1/22/2010	1.00	TH-234	1.42E+02	7.10E+01	
66	Black Creek between Prestwood Lake discharge an	2/18/2010	1.00	PB-214	1.16E+01	4.38E+00	
66	Black Creek between Prestwood Lake discharge an	2/18/2010	1.00	RA-226	2.04E+02	4.73E+01	

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
66	Black Creek between Prestwood Lake discharge an	2/18/2010	1.00	TH-234	2.03E+02	6.70E+01	
66	Black Creek between Prestwood Lake discharge an	2/18/2010	1.00	BI-212	1.26E+01	1.22E+01	
66	Black Creek between Prestwood Lake discharge an	2/18/2010	1.00	AC-228	2.17E+01	6.90E+00	
66	Black Creek between Prestwood Lake discharge an	2/18/2010	1.00	PB-212	1.55E+01	3.44E+00	
66	Black Creek between Prestwood Lake discharge an	2/18/2010	1.00	TL-208	6.40E+00	2.67E+00	
66	Black Creek between Prestwood Lake discharge an	2/18/2010	1.00	K-40	4.62E+02	4.41E+01	
66	Black Creek between Prestwood Lake discharge an	2/18/2010	1.00	BI-214	1.57E+01	4.25E+00	
66	Black Creek between Prestwood Lake discharge an	3/19/2010	1.00	TL-208	4.20E+00	2.47E+00	
66	Black Creek between Prestwood Lake discharge an	3/19/2010	1.00	K-40	6.50E+02	5.65E+01	
66	Black Creek between Prestwood Lake discharge an	3/19/2010	1.00	BI-214	1.02E+01	4.17E+00	
66	Black Creek between Prestwood Lake discharge an	3/19/2010	1.00	PB-212	1.17E+01	4.00E+00	
66	Black Creek between Prestwood Lake discharge an	3/19/2010	1.00	RA-226	1.53E+02	5.42E+01	
66	Black Creek between Prestwood Lake discharge an	3/19/2010	1.00	AC-228	1.36E+01	6.66E+00	
66	Black Creek between Prestwood Lake discharge an	3/19/2010	1.00	TH-234	1.31E+02	6.46E+01	
66	Black Creek between Prestwood Lake discharge an	3/19/2010	1.00	PB-214	8.65E+00	3.97E+00	
66	Black Creek between Prestwood Lake discharge an	4/19/2010	1.00	BI-212	1.66E+01	1.65E+01	
66	Black Creek between Prestwood Lake discharge an	4/19/2010	1.00	RA-226	2.15E+02	4.20E+01	
66	Black Creek between Prestwood Lake discharge an	4/19/2010	1.00	PB-214	1.41E+01	3.77E+00	
66	Black Creek between Prestwood Lake discharge an	4/19/2010	1.00	PB-212	1.67E+01	3.20E+00	
66	Black Creek between Prestwood Lake discharge an	4/19/2010	1.00	TL-208	7.26E+00	1.69E+00	
66	Black Creek between Prestwood Lake discharge an	4/19/2010	1.00	K-40	4.01E+02	3.58E+01	
66	Black Creek between Prestwood Lake discharge an	4/19/2010	1.00	TH-234	2.07E+02	5.67E+01	
66	Black Creek between Prestwood Lake discharge an	4/19/2010	1.00	BI-214	1.70E+01	3.68E+00	
66	Black Creek between Prestwood Lake discharge an	5/22/2010	1.00	RA-226	1.88E+02	3.88E+01	
66	Black Creek between Prestwood Lake discharge an	5/22/2010	1.00	TL-208	5.70E+00	1.53E+00	
66	Black Creek between Prestwood Lake discharge an	5/22/2010	1.00	BI-212	1.20E+01	1.06E+01	

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
66	Black Creek between Prestwood Lake discharge an	5/22/2010	1.00	PB-212	1.31E+01	2.98E+00	
66	Black Creek between Prestwood Lake discharge an	5/22/2010	1.00	K-40	3.94E+02	3.66E+01	
66	Black Creek between Prestwood Lake discharge an	5/22/2010	1.00	TH-234	2.53E+02	5.89E+01	
66	Black Creek between Prestwood Lake discharge an	5/22/2010	1.00	PB-214	1.34E+01	3.23E+00	
66	Black Creek between Prestwood Lake discharge an	5/22/2010	1.00	AC-228	1.66E+01	5.38E+00	
66	Black Creek between Prestwood Lake discharge an	5/22/2010	1.00	BI-214	1.16E+01	4.11E+00	
66	Black Creek between Prestwood Lake discharge an	6/21/2010	1.00	RA-226	1.25E+02	3.87E+01	
66	Black Creek between Prestwood Lake discharge an	6/21/2010	1.00	PB-214	9.30E+00	3.83E+00	
66	Black Creek between Prestwood Lake discharge an	6/21/2010	1.00	BI-214	1.36E+01	3.80E+00	
66	Black Creek between Prestwood Lake discharge an	6/21/2010	1.00	PB-212	9.87E+00	3.09E+00	
66	Black Creek between Prestwood Lake discharge an	6/21/2010	1.00	TL-208	5.60E+00	2.00E+00	
66	Black Creek between Prestwood Lake discharge an	6/21/2010	1.00	K-40	5.49E+02	4.67E+01	
66	Black Creek between Prestwood Lake discharge an	6/21/2010	1.00	TH-234	1.30E+02	6.23E+01	
66	Black Creek between Prestwood Lake discharge an	6/21/2010	1.00	AC-228	1.08E+01	6.27E+00	
66	Black Creek between Prestwood Lake discharge an	7/22/2010	1.00	AC-228	1.68E+01	5.33E+00	
66	Black Creek between Prestwood Lake discharge an	7/22/2010	1.00	BI-214	1.99E+01	4.62E+00	
66	Black Creek between Prestwood Lake discharge an	7/22/2010	1.00	TH-234	2.49E+02	7.19E+01	
66	Black Creek between Prestwood Lake discharge an	7/22/2010	1.00	K-40	4.67E+02	4.05E+01	
66	Black Creek between Prestwood Lake discharge an	7/22/2010	1.00	RA-226	2.07E+02	4.71E+01	
66	Black Creek between Prestwood Lake discharge an	7/22/2010	1.00	PB-214	1.68E+01	3.45E+00	
66	Black Creek between Prestwood Lake discharge an	7/22/2010	1.00	PB-212	1.39E+01	3.14E+00	
66	Black Creek between Prestwood Lake discharge an	7/22/2010	1.00	TL-208	7.67E+00	2.01E+00	
66	Black Creek between Prestwood Lake discharge an	8/23/2010	1.00	K-40	2.25E+02	3.10E+01	
66	Black Creek between Prestwood Lake discharge an	8/23/2010	1.00	TH-234	2.25E+02	6.11E+01	
66	Black Creek between Prestwood Lake discharge an	8/23/2010	1.00	RA-226	1.70E+02	3.75E+01	
66	Black Creek between Prestwood Lake discharge an	8/23/2010	1.00	PB-214	2.60E+01	4.79E+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
66	Black Creek between Prestwood Lake discharge an	8/23/2010	1.00	BI-214	2.36E+01	4.35E+00	
66	Black Creek between Prestwood Lake discharge an	8/23/2010	1.00	PB-212	7.88E+00	2.48E+00	
66	Black Creek between Prestwood Lake discharge an	8/23/2010	1.00	TL-208	3.48E+00	1.73E+00	
66	Black Creek between Prestwood Lake discharge an	9/20/2010	1.00	BI-214	1.87E+01	4.14E+00	
66	Black Creek between Prestwood Lake discharge an	9/20/2010	1.00	PB-214	1.14E+01	3.48E+00	
66	Black Creek between Prestwood Lake discharge an	9/20/2010	1.00	K-40	4.50E+02	4.11E+01	
66	Black Creek between Prestwood Lake discharge an	9/20/2010	1.00	RA-226	1.98E+02	4.36E+01	
66	Black Creek between Prestwood Lake discharge an	9/20/2010	1.00	AC-228	1.93E+01	6.39E+00	
66	Black Creek between Prestwood Lake discharge an	9/20/2010	1.00	TL-208	8.10E+00	1.62E+00	
66	Black Creek between Prestwood Lake discharge an	9/20/2010	1.00	TH-234	2.75E+02	5.65E+01	
66	Black Creek between Prestwood Lake discharge an	9/20/2010	1.00	PB-212	1.68E+01	3.13E+00	
66	Black Creek between Prestwood Lake discharge an	10/18/2010	1.00	AC-228	1.45E+01	6.76E+00	
66	Black Creek between Prestwood Lake discharge an	10/18/2010	1.00	RA-226	1.79E+02	4.06E+01	
66	Black Creek between Prestwood Lake discharge an	10/18/2010	1.00	PB-212	1.12E+01	3.38E+00	
66	Black Creek between Prestwood Lake discharge an	10/18/2010	1.00	K-40	4.15E+02	3.84E+01	
66	Black Creek between Prestwood Lake discharge an	10/18/2010	1.00	PB-214	1.59E+01	3.80E+00	
66	Black Creek between Prestwood Lake discharge an	10/18/2010	1.00	BI-214	2.11E+01	4.44E+00	
66	Black Creek between Prestwood Lake discharge an	10/18/2010	1.00	TH-234	2.32E+02	5.66E+01	
66	Black Creek between Prestwood Lake discharge an	10/18/2010	1.00	TL-208	6.15E+00	1.90E+00	
66	Black Creek between Prestwood Lake discharge an	11/15/2010	1.00	K-40	4.13E+02	3.85E+01	
66	Black Creek between Prestwood Lake discharge an	11/15/2010	1.00	PB-212	1.57E+01	3.32E+00	
66	Black Creek between Prestwood Lake discharge an	11/15/2010	1.00	BI-214	1.92E+01	3.77E+00	
66	Black Creek between Prestwood Lake discharge an	11/15/2010	1.00	PB-214	1.43E+01	3.70E+00	
66	Black Creek between Prestwood Lake discharge an	11/15/2010	1.00	TH-234	2.38E+02	5.67E+01	
66	Black Creek between Prestwood Lake discharge an	11/15/2010	1.00	TL-208	6.70E+00	2.04E+00	
66	Black Creek between Prestwood Lake discharge an	11/15/2010	1.00	RA-226	2.15E+02	4.44E+01	

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
66	Black Creek between Prestwood Lake discharge an	12/17/2010	1.00	K-40	1.90E+02	3.18E+01	
66	Black Creek between Prestwood Lake discharge an	12/17/2010	1.00	TL-208	6.27E+00	2.02E+00	
66	Black Creek between Prestwood Lake discharge an	12/17/2010	1.00	PB-212	1.34E+01	2.80E+00	
66	Black Creek between Prestwood Lake discharge an	12/17/2010	1.00	TH-234	1.97E+02	6.07E+01	
66	Black Creek between Prestwood Lake discharge an	12/17/2010	1.00	BI-214	2.25E+01	5.27E+00	
66	Black Creek between Prestwood Lake discharge an	12/17/2010	1.00	PB-214	1.80E+01	4.80E+00	
66	Black Creek between Prestwood Lake discharge an	12/17/2010	1.00	RA-226	1.81E+02	4.20E+01	
66	Black Creek between Prestwood Lake discharge an	12/17/2010	1.00	AC-228	1.77E+01	6.16E+00	

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	5/13/2010	624.4	PB-214	1.57E-01	2.46E-02	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/13/2010	624.4	BE-7	1.43E-01	7.48E-02	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/13/2010	624.4	TH-234	4.49E-01	3.40E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/13/2010	624.4	RA-226	5.52E-01	2.72E-02	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/13/2010	624.4	BI-214	1.39E-01	2.76E-02	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/13/2010	624.4	PB-212	1.70E-01	2.00E-02	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/13/2010	624.4	BI-212	9.31E-02	6.94E-02	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/13/2010	624.4	TL-208	5.25E-02	1.59E-02	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/13/2010	624.4	K-40	1.94E+00	2.35E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/13/2010	624.4	CS-137	2.50E-02	1.36E-02	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/13/2010	624.4	AC-228	1.97E-01	4.29E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	930.7	BE-7	5.56E-01	1.15E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	930.7	PB-212	2.02E-01	2.30E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	930.7	RA-226	8.19E-01	2.53E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	930.7	PB-214	2.05E-01	2.93E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	930.7	BI-214	2.11E-01	3.54E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	930.7	BI-212	1.48E-01	6.47E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	930.7	TL-208	7.97E-02	1.37E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	930.7	CS-137	1.25E-02	9.93E-03	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	930.7	CO-60	5.40E-02	1.17E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	930.7	K-40	1.59E+00	1.78E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	930.7	TH-234	4.23E-01	3.11E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	930.7	CO-58	5.90E-01	5.25E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/13/2010	930.7	AC-228	2.82E-01	4.50E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	654.2	AC-228	2.63E-01	5.44E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	654.2	BE-7	4.74E-01	9.80E-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
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	654.2	TH-234	5.09E-01	3.52E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	654.2	RA-226	7.03E-01	2.14E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	654.2	PB-214	1.24E-01	2.49E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	654.2	BI-214	1.03E-01	2.38E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	654.2	PB-212	1.89E-01	2.01E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	654.2	BI-212	1.80E-01	1.01E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	654.2	TL-208	6.24E-02	1.20E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	654.2	CS-137	1.54E-02	1.00E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/14/2010	654.2	K-40	1.30E+00	1.73E-01	
66	Black Creek between Prestwood Lake discharge an	5/14/2010	750.5	K-40	1.29E+00	1.68E-01	
66	Black Creek between Prestwood Lake discharge an	5/14/2010	750.5	TL-208	2.56E-02	9.36E-03	
66	Black Creek between Prestwood Lake discharge an	5/14/2010	750.5	PB-212	9.73E-02	1.59E-02	
66	Black Creek between Prestwood Lake discharge an	5/14/2010	750.5	BI-214	1.00E-01	2.07E-02	
66	Black Creek between Prestwood Lake discharge an	5/14/2010	750.5	PB-214	9.29E-02	1.95E-02	
66	Black Creek between Prestwood Lake discharge an	5/14/2010	750.5	RA-226	5.84E-01	1.87E-01	
66	Black Creek between Prestwood Lake discharge an	5/14/2010	750.5	AC-228	1.81E-01	3.37E-02	
66	Black Creek between Prestwood Lake discharge an	5/14/2010	750.5	TH-234	2.71E-01	2.33E-01	
66	Black Creek between Prestwood Lake discharge an	5/14/2010	750.5	BE-7	2.99E-01	8.76E-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*
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	421.3	AC-228	1.02E-01	4.64E-02	
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	421.3	BE-7	3.06E-01	1.16E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	421.3	BI-214	4.20E-02	3.34E-02	
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	421.3	K-40	2.30E+00	3.01E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	421.3	PB-212	2.75E-02	2.10E-02	
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	421.3	PB-214	3.86E-02	2.53E-02	
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	421.3	RA-226	3.63E-01	2.42E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	421.3	TH-234	6.08E-01	4.86E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	421.3	TL-208	2.12E-02	1.37E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/23/2010	390.1	AC-228	1.49E-01	6.56E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/23/2010	390.1	BE-7	4.54E-01	1.91E-01	
50	SSE - CLOSE TO SITE BOUNDARY	6/23/2010	390.1	BI-214	6.17E-02	4.24E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/23/2010	390.1	K-40	4.12E+00	5.10E-01	
50	SSE - CLOSE TO SITE BOUNDARY	6/23/2010	390.1	PB-212	5.00E-02	2.79E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/23/2010	390.1	RA-226	4.38E-01	4.22E-01	
50	SSE - CLOSE TO SITE BOUNDARY	6/23/2010	390.1	TH-234	5.84E-01	4.74E-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	7/21/2010	452.7	AC-228	1.05E-01	6.45E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/21/2010	452.7	BE-7	5.89E-01	1.81E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/21/2010	452.7	BI-214	8.43E-02	3.65E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/21/2010	452.7	K-40	3.83E+00	4.83E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/21/2010	452.7	PB-212	2.56E-02	2.35E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/21/2010	452.7	PB-214	3.65E-02	2.59E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/24/2010	433.2	BE-7	5.58E-01	1.68E-01	
50	SSE - CLOSE TO SITE BOUNDARY	8/24/2010	433.2	BI-214	6.42E-02	3.90E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/24/2010	433.2	K-40	6.01E+00	6.59E-01	
50	SSE - CLOSE TO SITE BOUNDARY	8/24/2010	433.2	PB-212	5.23E-02	2.52E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/24/2010	433.2	PB-214	6.13E-02	3.46E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/24/2010	433.2	RA-226	8.12E-01	3.36E-01	
50	SSE - CLOSE TO SITE BOUNDARY	8/24/2010	433.2	TH-234	6.15E-01	4.33E-01	
50	SSE - CLOSE TO SITE BOUNDARY	8/24/2010	433.2	TL-208	2.98E-02	1.52E-02	
50	SSE - CLOSE TO SITE BOUNDARY	9/27/2010	492.3	AC-228	7.35E-02	4.41E-02	
50	SSE - CLOSE TO SITE BOUNDARY	9/27/2010	492.3	BE-7	4.14E-01	1.75E-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	9/27/2010	492.3	BI-214	5.46E-02	3.70E-02	
50	SSE - CLOSE TO SITE BOUNDARY	9/27/2010	492.3	CS-137	2.82E-02	1.71E-02	
50	SSE - CLOSE TO SITE BOUNDARY	9/27/2010	492.3	K-40	3.90E+00	4.69E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/27/2010	492.3	PB-212	3.72E-02	2.73E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/21/2010	446.9	AC-228	1.60E-01	5.82E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/21/2010	446.9	BE-7	9.87E-01	2.16E-01	
50	SSE - CLOSE TO SITE BOUNDARY	10/21/2010	446.9	BI-214	1.00E-01	3.60E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/21/2010	446.9	K-40	3.98E+00	4.93E-01	
50	SSE - CLOSE TO SITE BOUNDARY	10/21/2010	446.9	PB-214	9.93E-02	3.47E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/21/2010	446.9	RA-226	3.62E-01	3.28E-01	
51	SSW - CLOSE TO SITE BOUNDARY	5/22/2010	413.9	BE-7	2.98E-01	1.49E-01	
51	SSW - CLOSE TO SITE BOUNDARY	5/22/2010	413.9	BI-214	5.29E-02	4.00E-02	
51	SSW - CLOSE TO SITE BOUNDARY	5/22/2010	413.9	K-40	3.39E+00	5.21E-01	
51	SSW - CLOSE TO SITE BOUNDARY	5/22/2010	413.9	PB-212	6.18E-02	3.27E-02	
51	SSW - CLOSE TO SITE BOUNDARY	6/23/2010	464.8	BE-7	3.19E-01	1.51E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/23/2010	464.8	BI-214	4.41E-02	3.19E-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	6/23/2010	464.8	K-40	3.21E+00	4.31E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/23/2010	464.8	PB-212	4.44E-02	2.32E-02	
51	SSW - CLOSE TO SITE BOUNDARY	6/23/2010	464.8	PB-214	6.09E-02	2.78E-02	
51	SSW - CLOSE TO SITE BOUNDARY	6/23/2010	464.8	RA-226	7.46E-01	3.15E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/23/2010	464.8	TH-234	6.33E-01	4.14E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/23/2010	464.8	TL-208	1.53E-02	1.15E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/21/2010	459.9	AC-228	8.23E-02	6.40E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/21/2010	459.9	BE-7	1.81E-01	1.13E-01	
51	SSW - CLOSE TO SITE BOUNDARY	7/21/2010	459.9	BI-214	4.71E-02	3.78E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/21/2010	459.9	K-40	3.87E+00	4.85E-01	
51	SSW - CLOSE TO SITE BOUNDARY	7/21/2010	459.9	PB-212	3.05E-02	2.73E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/21/2010	459.9	RA-226	3.74E-01	3.52E-01	
51	SSW - CLOSE TO SITE BOUNDARY	7/21/2010	459.9	TL-208	1.81E-02	1.46E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/24/2010	395.6	AC-228	3.14E-01	8.04E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/24/2010	395.6	BE-7	5.80E-01	1.82E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/24/2010	395.6	BI-214	1.04E-01	4.31E-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	8/24/2010	395.6	K-40	5.84E+00	6.57E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/24/2010	395.6	PB-212	1.39E-01	3.49E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/24/2010	395.6	PB-214	1.05E-01	3.90E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/24/2010	395.6	RA-226	6.25E-01	3.28E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/24/2010	395.6	TH-234	6.23E-01	4.97E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/24/2010	395.6	TL-208	5.26E-02	1.80E-02	
51	SSW - CLOSE TO SITE BOUNDARY	9/27/2010	390.2	BE-7	3.36E-01	1.84E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/27/2010	390.2	BI-214	8.87E-02	3.96E-02	
51	SSW - CLOSE TO SITE BOUNDARY	9/27/2010	390.2	K-40	5.96E+00	6.77E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/27/2010	390.2	PB-212	7.06E-02	3.38E-02	
51	SSW - CLOSE TO SITE BOUNDARY	9/27/2010	390.2	TL-208	3.76E-02	1.93E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/21/2010	421.8	AC-228	1.74E-01	5.91E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/21/2010	421.8	BE-7	6.18E-01	1.81E-01	
51	SSW - CLOSE TO SITE BOUNDARY	10/21/2010	421.8	BI-214	9.77E-02	3.98E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/21/2010	421.8	K-40	3.34E+00	4.41E-01	
51	SSW - CLOSE TO SITE BOUNDARY	10/21/2010	421.8	PB-212	6.45E-02	3.24E-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	10/21/2010	421.8	PB-214	6.56E-02	3.91E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/21/2010	421.8	RA-226	5.18E-01	3.55E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/22/2010	484	BE-7	4.21E-01	1.28E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/22/2010	484	BI-214	4.77E-02	2.88E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	5/22/2010	484	CS-137	3.79E-02	1.48E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	5/22/2010	484	K-40	4.58E+00	4.46E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/22/2010	484	PB-212	5.02E-02	1.77E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	5/22/2010	484	RA-226	4.15E-01	2.66E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/22/2010	484	TH-234	6.20E-01	3.72E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/22/2010	484	TL-208	2.86E-02	1.50E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	6/23/2010	457	AC-228	1.22E-01	4.21E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	6/23/2010	457	BE-7	4.54E-01	1.38E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	6/23/2010	457	BI-214	5.85E-02	3.39E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	6/23/2010	457	CS-137	3.34E-02	1.80E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	6/23/2010	457	K-40	5.33E+00	6.03E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	6/23/2010	457	PB-212	4.47E-02	2.31E-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	6/23/2010	457	PB-214	3.40E-02	2.87E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	6/23/2010	457	RA-226	4.24E-01	3.55E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/21/2010	416.7	AC-228	1.23E-01	4.09E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	7/21/2010	416.7	BE-7	1.09E+00	1.80E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/21/2010	416.7	BI-214	5.65E-02	3.38E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	7/21/2010	416.7	K-40	3.72E+00	4.32E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/21/2010	416.7	PB-212	3.14E-02	2.40E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	7/21/2010	416.7	RA-226	3.21E-01	2.70E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/21/2010	416.7	TH-234	3.50E-01	2.95E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/21/2010	416.7	TL-208	2.15E-02	1.49E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	8/24/2010	451.4	BE-7	2.06E+00	2.51E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/24/2010	451.4	BI-214	7.60E-02	2.68E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	8/24/2010	451.4	K-40	5.75E+00	6.21E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/24/2010	451.4	PB-212	3.33E-02	1.78E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	8/24/2010	451.4	PB-214	8.37E-02	3.17E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	8/24/2010	451.4	RA-226	4.92E-01	2.51E-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*
52	10 MI W - NEAR BETHUNE - CONTROL	8/24/2010	451.4	TH-234	5.15E-01	3.79E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/24/2010	451.4	TL-208	1.97E-02	1.35E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/27/2010	448.7	AC-228	8.50E-02	6.74E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/27/2010	448.7	BE-7	1.58E+00	2.44E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/27/2010	448.7	BI-214	5.95E-02	2.83E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/27/2010	448.7	CS-137	1.84E-02	1.45E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/27/2010	448.7	K-40	3.80E+00	4.71E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/27/2010	448.7	PB-212	5.12E-02	2.69E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/27/2010	448.7	RA-226	4.28E-01	3.10E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/27/2010	448.7	TL-208	2.44E-02	1.54E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	10/21/2010	484.7	AC-228	1.03E-01	5.54E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	10/21/2010	484.7	BE-7	2.40E+00	3.05E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	10/21/2010	484.7	BI-214	1.11E-01	3.10E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	10/21/2010	484.7	K-40	6.02E+00	6.50E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	10/21/2010	484.7	PB-212	4.21E-02	2.92E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	10/21/2010	484.7	PB-214	5.12E-02	3.80E-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	10/21/2010	484.7	RA-226	4.20E-01	3.08E-01	
62	SE CLOSE TO SITE BOUNDARY	5/23/2010	483.3	AC-228	1.43E-01	4.51E-02	
62	SE CLOSE TO SITE BOUNDARY	5/23/2010	483.3	BE-7	2.90E-01	1.07E-01	
62	SE CLOSE TO SITE BOUNDARY	5/23/2010	483.3	BI-214	6.48E-02	2.42E-02	
62	SE CLOSE TO SITE BOUNDARY	5/23/2010	483.3	K-40	3.32E+00	3.70E-01	
62	SE CLOSE TO SITE BOUNDARY	5/23/2010	483.3	PB-212	2.53E-02	1.75E-02	
62	SE CLOSE TO SITE BOUNDARY	5/23/2010	483.3	PB-214	3.72E-02	3.21E-02	
62	SE CLOSE TO SITE BOUNDARY	5/23/2010	483.3	RA-226	6.36E-01	2.71E-01	
62	SE CLOSE TO SITE BOUNDARY	6/23/2010	480.8	BE-7	2.25E-01	1.22E-01	
62	SE CLOSE TO SITE BOUNDARY	6/23/2010	480.8	BI-214	5.31E-02	3.83E-02	
62	SE CLOSE TO SITE BOUNDARY	6/23/2010	480.8	CS-137	1.92E-02	1.65E-02	
62	SE CLOSE TO SITE BOUNDARY	6/23/2010	480.8	K-40	4.15E+00	5.19E-01	
62	SE CLOSE TO SITE BOUNDARY	6/23/2010	480.8	PB-212	3.33E-02	1.57E-02	
62	SE CLOSE TO SITE BOUNDARY	6/23/2010	480.8	PB-214	5.73E-02	2.97E-02	
62	SE CLOSE TO SITE BOUNDARY	6/23/2010	480.8	RA-226	4.42E-01	2.42E-01	
62	SE CLOSE TO SITE BOUNDARY	6/23/2010	480.8	TH-234	4.03E-01	3.95E-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*
62	SE CLOSE TO SITE BOUNDARY	6/23/2010	480.8	TL-208	1.24E-02	1.19E-02	
62	SE CLOSE TO SITE BOUNDARY	7/21/2010	427.1	AC-228	2.88E-01	5.93E-02	
62	SE CLOSE TO SITE BOUNDARY	7/21/2010	427.1	BE-7	1.16E+00	1.91E-01	
62	SE CLOSE TO SITE BOUNDARY	7/21/2010	427.1	BI-214	6.62E-02	3.19E-02	
62	SE CLOSE TO SITE BOUNDARY	7/21/2010	427.1	K-40	4.02E+00	4.49E-01	
62	SE CLOSE TO SITE BOUNDARY	7/21/2010	427.1	PB-212	3.57E-02	2.07E-02	
62	SE CLOSE TO SITE BOUNDARY	7/21/2010	427.1	PB-214	4.86E-02	2.56E-02	
62	SE CLOSE TO SITE BOUNDARY	7/21/2010	427.1	RA-226	4.51E-01	2.95E-01	
62	SE CLOSE TO SITE BOUNDARY	7/21/2010	427.1	TL-208	3.02E-02	1.19E-02	
62	SE CLOSE TO SITE BOUNDARY	8/24/2010	412.6	AC-228	1.31E-01	6.61E-02	
62	SE CLOSE TO SITE BOUNDARY	8/24/2010	412.6	BE-7	1.00E+00	1.98E-01	
62	SE CLOSE TO SITE BOUNDARY	8/24/2010	412.6	BI-214	8.86E-02	3.59E-02	
62	SE CLOSE TO SITE BOUNDARY	8/24/2010	412.6	K-40	4.37E+00	5.26E-01	
62	SE CLOSE TO SITE BOUNDARY	8/24/2010	412.6	PB-212	8.28E-02	3.02E-02	
62	SE CLOSE TO SITE BOUNDARY	8/24/2010	412.6	RA-226	5.50E-01	3.78E-01	
62	SE CLOSE TO SITE BOUNDARY	8/24/2010	412.6	TH-234	8.52E-01	4.57E-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*
62	SE CLOSE TO SITE BOUNDARY	8/24/2010	412.6	TL-208	4.51E-02	2.04E-02	
62	SE CLOSE TO SITE BOUNDARY	9/27/2010	429.5	AC-228	2.10E-01	7.43E-02	
62	SE CLOSE TO SITE BOUNDARY	9/27/2010	429.5	BE-7	4.88E-01	1.69E-01	
62	SE CLOSE TO SITE BOUNDARY	9/27/2010	429.5	BI-214	7.72E-02	4.13E-02	
62	SE CLOSE TO SITE BOUNDARY	9/27/2010	429.5	K-40	3.88E+00	4.98E-01	
62	SE CLOSE TO SITE BOUNDARY	9/27/2010	429.5	PB-212	5.31E-02	3.24E-02	
62	SE CLOSE TO SITE BOUNDARY	9/27/2010	429.5	RA-226	5.19E-01	3.74E-01	
62	SE CLOSE TO SITE BOUNDARY	9/27/2010	429.5	TL-208	2.72E-02	1.88E-02	
62	SE CLOSE TO SITE BOUNDARY	10/21/2010	415.3	BE-7	9.17E-01	2.09E-01	
62	SE CLOSE TO SITE BOUNDARY	10/21/2010	415.3	BI-214	7.29E-02	4.65E-02	
62	SE CLOSE TO SITE BOUNDARY	10/21/2010	415.3	K-40	5.03E+00	5.83E-01	
62	SE CLOSE TO SITE BOUNDARY	10/21/2010	415.3	PB-212	5.78E-02	2.87E-02	
62	SE CLOSE TO SITE BOUNDARY	10/21/2010	415.3	PB-214	4.60E-02	3.15E-02	
62	SE CLOSE TO SITE BOUNDARY	10/21/2010	415.3	TL-208	2.80E-02	1.95E-02	
67	S CLOSE TO SITE BOUNDARY	5/22/2010	409	AC-228	1.11E-01	4.44E-02	
67	S CLOSE TO SITE BOUNDARY	5/22/2010	409	BE-7	4.35E-01	1.80E-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*
67	S CLOSE TO SITE BOUNDARY	5/22/2010	409	BI-214	1.03E-01	3.27E-02	
67	S CLOSE TO SITE BOUNDARY	5/22/2010	409	K-40	3.43E+00	4.18E-01	
67	S CLOSE TO SITE BOUNDARY	5/22/2010	409	RA-226	4.25E-01	3.22E-01	
67	S CLOSE TO SITE BOUNDARY	6/23/2010	486.9	BE-7	4.98E-01	1.89E-01	
67	S CLOSE TO SITE BOUNDARY	6/23/2010	486.9	BI-214	5.74E-02	2.91E-02	
67	S CLOSE TO SITE BOUNDARY	6/23/2010	486.9	CS-137	2.79E-02	1.57E-02	
67	S CLOSE TO SITE BOUNDARY	6/23/2010	486.9	K-40	3.80E+00	4.73E-01	
67	S CLOSE TO SITE BOUNDARY	6/23/2010	486.9	PB-212	3.48E-02	2.27E-02	
67	S CLOSE TO SITE BOUNDARY	6/23/2010	486.9	PB-214	4.88E-02	3.13E-02	
67	S CLOSE TO SITE BOUNDARY	6/23/2010	486.9	TL-208	2.18E-02	1.56E-02	
67	S CLOSE TO SITE BOUNDARY	7/21/2010	420.6	AC-228	1.80E-01	4.65E-02	
67	S CLOSE TO SITE BOUNDARY	7/21/2010	420.6	BE-7	6.90E-01	1.52E-01	
67	S CLOSE TO SITE BOUNDARY	7/21/2010	420.6	BI-214	5.40E-02	2.69E-02	
67	S CLOSE TO SITE BOUNDARY	7/21/2010	420.6	CS-137	2.70E-02	1.25E-02	
67	S CLOSE TO SITE BOUNDARY	7/21/2010	420.6	K-40	3.21E+00	3.77E-01	
67	S CLOSE TO SITE BOUNDARY	7/21/2010	420.6	PB-212	2.38E-02	1.67E-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*
67	S CLOSE TO SITE BOUNDARY	7/21/2010	420.6	RA-226	5.40E-01	3.09E-01	
67	S CLOSE TO SITE BOUNDARY	8/24/2010	422.6	AC-228	1.41E-01	7.07E-02	
67	S CLOSE TO SITE BOUNDARY	8/24/2010	422.6	BE-7	8.14E-01	1.88E-01	
67	S CLOSE TO SITE BOUNDARY	8/24/2010	422.6	BI-214	1.35E-01	3.99E-02	
67	S CLOSE TO SITE BOUNDARY	8/24/2010	422.6	CS-137	2.14E-02	1.93E-02	
67	S CLOSE TO SITE BOUNDARY	8/24/2010	422.6	K-40	4.31E+00	5.28E-01	
67	S CLOSE TO SITE BOUNDARY	8/24/2010	422.6	PB-212	6.72E-02	2.94E-02	
67	S CLOSE TO SITE BOUNDARY	8/24/2010	422.6	PB-214	9.11E-02	3.13E-02	
67	S CLOSE TO SITE BOUNDARY	8/24/2010	422.6	RA-226	7.40E-01	4.79E-01	
67	S CLOSE TO SITE BOUNDARY	8/24/2010	422.6	TH-234	5.82E-01	3.34E-01	
67	S CLOSE TO SITE BOUNDARY	8/24/2010	422.6	TL-208	2.00E-02	1.50E-02	
67	S CLOSE TO SITE BOUNDARY	9/27/2010	476.3	AC-228	8.52E-02	5.51E-02	
67	S CLOSE TO SITE BOUNDARY	9/27/2010	476.3	BE-7	2.65E-01	1.83E-01	
67	S CLOSE TO SITE BOUNDARY	9/27/2010	476.3	BI-214	5.58E-02	2.51E-02	
67	S CLOSE TO SITE BOUNDARY	9/27/2010	476.3	K-40	3.68E+00	4.49E-01	
67	S CLOSE TO SITE BOUNDARY	9/27/2010	476.3	PB-212	3.55E-02	2.49E-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*
67	S CLOSE TO SITE BOUNDARY	9/27/2010	476.3	RA-226	4.20E-01	3.53E-01	
67	S CLOSE TO SITE BOUNDARY	10/21/2010	463.2	AC-228	1.57E-01	6.44E-02	
67	S CLOSE TO SITE BOUNDARY	10/21/2010	463.2	BE-7	7.10E-01	1.70E-01	
67	S CLOSE TO SITE BOUNDARY	10/21/2010	463.2	BI-214	3.77E-02	3.07E-02	
67	S CLOSE TO SITE BOUNDARY	10/21/2010	463.2	K-40	4.00E+00	5.14E-01	
67	S CLOSE TO SITE BOUNDARY	10/21/2010	463.2	PB-212	3.52E-02	2.36E-02	
67	S CLOSE TO SITE BOUNDARY	10/21/2010	463.2	TL-208	2.47E-02	1.56E-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*
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	393.9	BE-7	7.33E-01	1.70E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	393.9	BI-214	1.02E-01	2.81E-02	
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	393.9	CS-137	1.09E-01	2.18E-02	
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	393.9	K-40	4.04E+00	4.48E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	393.9	PB-212	4.00E-02	2.60E-02	
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	393.9	PB-214	7.19E-02	2.80E-02	
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	393.9	RA-226	4.49E-01	2.98E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	393.9	TH-234	5.11E-01	4.56E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	393.9	TL-208	1.82E-02	1.79E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/23/2010	392.4	BE-7	1.27E+00	2.22E-01	
50	SSE - CLOSE TO SITE BOUNDARY	6/23/2010	392.4	BI-214	9.81E-02	3.71E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/23/2010	392.4	CS-137	5.07E-02	2.34E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/23/2010	392.4	K-40	4.66E+00	5.66E-01	
50	SSE - CLOSE TO SITE BOUNDARY	6/23/2010	392.4	PB-212	6.02E-02	2.09E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/23/2010	392.4	PB-214	5.82E-02	4.60E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/23/2010	392.4	RA-226	5.16E-01	3.00E-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	7/21/2010	407.5	BE-7	2.97E+00	3.76E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/21/2010	407.5	BI-214	7.88E-02	3.84E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/21/2010	407.5	CS-137	3.61E-02	1.96E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/21/2010	407.5	K-40	5.39E+00	6.18E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/21/2010	407.5	PB-212	3.73E-02	3.56E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/24/2010	419.2	BE-7	1.21E+00	2.02E-01	
50	SSE - CLOSE TO SITE BOUNDARY	8/24/2010	419.2	BI-214	1.11E-01	3.67E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/24/2010	419.2	CS-137	3.72E-02	1.68E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/24/2010	419.2	K-40	2.55E+00	4.07E-01	
50	SSE - CLOSE TO SITE BOUNDARY	8/24/2010	419.2	PB-212	6.58E-02	2.80E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/24/2010	419.2	PB-214	9.41E-02	3.48E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/24/2010	419.2	RA-226	6.15E-01	3.22E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/27/2010	490.4	AC-228	1.24E-01	5.37E-02	
50	SSE - CLOSE TO SITE BOUNDARY	9/27/2010	490.4	BE-7	1.11E+00	1.87E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/27/2010	490.4	BI-214	5.48E-02	3.29E-02	
50	SSE - CLOSE TO SITE BOUNDARY	9/27/2010	490.4	K-40	3.07E+00	3.93E-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	9/27/2010	490.4	PB-212	8.45E-02	2.43E-02	
50	SSE - CLOSE TO SITE BOUNDARY	9/27/2010	490.4	RA-226	5.61E-01	2.96E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/27/2010	490.4	TL-208	1.95E-02	1.52E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/21/2010	379.9	AC-228	6.57E-02	5.63E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/21/2010	379.9	BE-7	2.12E+00	2.89E-01	
50	SSE - CLOSE TO SITE BOUNDARY	10/21/2010	379.9	BI-214	1.45E-01	4.62E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/21/2010	379.9	CS-137	5.50E-02	2.05E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/21/2010	379.9	K-40	3.32E+00	4.42E-01	
50	SSE - CLOSE TO SITE BOUNDARY	10/21/2010	379.9	PB-212	4.59E-02	2.90E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/21/2010	379.9	PB-214	8.36E-02	3.41E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/21/2010	379.9	RA-226	8.12E-01	4.00E-01	
50	SSE - CLOSE TO SITE BOUNDARY	10/21/2010	379.9	TH-234	9.23E-01	6.07E-01	
50	SSE - CLOSE TO SITE BOUNDARY	10/21/2010	379.9	TL-208	3.16E-02	2.50E-02	
51	SSW - CLOSE TO SITE BOUNDARY	5/22/2010	438.9	AC-228	1.26E-01	4.57E-02	
51	SSW - CLOSE TO SITE BOUNDARY	5/22/2010	438.9	BE-7	9.33E-01	1.68E-01	
51	SSW - CLOSE TO SITE BOUNDARY	5/22/2010	438.9	BI-214	5.13E-02	2.80E-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	5/22/2010	438.9	CS-137	1.31E-01	2.41E-02	
51	SSW - CLOSE TO SITE BOUNDARY	5/22/2010	438.9	K-40	3.50E+00	3.99E-01	
51	SSW - CLOSE TO SITE BOUNDARY	5/22/2010	438.9	PB-212	5.57E-02	2.47E-02	
51	SSW - CLOSE TO SITE BOUNDARY	5/22/2010	438.9	RA-226	4.16E-01	2.74E-01	
51	SSW - CLOSE TO SITE BOUNDARY	5/22/2010	438.9	TH-234	6.25E-01	4.11E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/23/2010	433.4	BE-7	1.33E+00	2.38E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/23/2010	433.4	BI-214	1.06E-01	4.13E-02	
51	SSW - CLOSE TO SITE BOUNDARY	6/23/2010	433.4	CS-137	1.32E-01	2.62E-02	
51	SSW - CLOSE TO SITE BOUNDARY	6/23/2010	433.4	K-40	4.58E+00	5.57E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/23/2010	433.4	PB-212	4.23E-02	2.25E-02	
51	SSW - CLOSE TO SITE BOUNDARY	6/23/2010	433.4	PB-214	5.55E-02	3.19E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/21/2010	412.6	AC-228	1.85E-01	5.06E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/21/2010	412.6	BE-7	1.43E+00	2.07E-01	
51	SSW - CLOSE TO SITE BOUNDARY	7/21/2010	412.6	BI-214	5.72E-02	2.87E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/21/2010	412.6	CS-137	1.22E-01	2.26E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/21/2010	412.6	K-40	3.81E+00	4.28E-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	7/21/2010	412.6	PB-212	3.38E-02	2.33E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/21/2010	412.6	PB-214	4.34E-02	2.80E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/21/2010	412.6	RA-226	5.23E-01	2.70E-01	
51	SSW - CLOSE TO SITE BOUNDARY	7/21/2010	412.6	TL-208	2.28E-02	1.46E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/24/2010	407	BE-7	2.05E+00	2.81E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/24/2010	407	BI-214	1.40E-01	3.92E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/24/2010	407	K-40	2.68E+00	4.12E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/24/2010	407	PB-212	8.05E-02	3.14E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/24/2010	407	PB-214	1.23E-01	4.06E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/24/2010	407	RA-226	6.88E-01	4.11E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/24/2010	407	TL-208	2.42E-02	1.43E-02	
51	SSW - CLOSE TO SITE BOUNDARY	9/27/2010	473.2	BE-7	5.45E-01	1.52E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/27/2010	473.2	BI-214	8.33E-02	2.96E-02	
51	SSW - CLOSE TO SITE BOUNDARY	9/27/2010	473.2	K-40	2.34E+00	3.36E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/27/2010	473.2	PB-212	4.14E-02	2.25E-02	
51	SSW - CLOSE TO SITE BOUNDARY	9/27/2010	473.2	PB-214	6.57E-02	2.63E-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	9/27/2010	473.2	RA-226	3.92E-01	2.81E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/27/2010	473.2	TH-234	2.91E-01	2.85E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/27/2010	473.2	TL-208	2.65E-02	1.46E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/21/2010	381.7	AC-228	7.67E-02	7.02E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/21/2010	381.7	BE-7	1.77E+00	2.45E-01	
51	SSW - CLOSE TO SITE BOUNDARY	10/21/2010	381.7	BI-214	9.43E-02	4.40E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/21/2010	381.7	CS-137	5.74E-02	1.96E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/21/2010	381.7	K-40	3.47E+00	4.65E-01	
51	SSW - CLOSE TO SITE BOUNDARY	10/21/2010	381.7	PB-212	5.69E-02	3.27E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/21/2010	381.7	PB-214	7.08E-02	4.17E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/21/2010	381.7	RA-226	6.78E-01	4.34E-01	
51	SSW - CLOSE TO SITE BOUNDARY	10/21/2010	381.7	TH-234	1.67E+00	6.42E-01	
51	SSW - CLOSE TO SITE BOUNDARY	10/21/2010	381.7	TL-208	4.04E-02	1.91E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	5/22/2010	413.9	BE-7	1.19E+00	2.13E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/22/2010	413.9	BI-214	7.41E-02	4.54E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	5/22/2010	413.9	CS-137	5.31E-02	2.98E-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	5/22/2010	413.9	K-40	4.57E+00	5.79E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/22/2010	413.9	PB-212	4.65E-02	2.40E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	5/22/2010	413.9	RA-226	7.37E-01	3.43E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/22/2010	413.9	TL-208	3.05E-02	2.03E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	6/23/2010	436.8	BE-7	7.58E-01	1.84E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	6/23/2010	436.8	BI-214	4.86E-02	3.14E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	6/23/2010	436.8	CS-137	2.78E-02	1.56E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	6/23/2010	436.8	K-40	5.20E+00	6.12E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	6/23/2010	436.8	TL-208	2.58E-02	1.74E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	7/21/2010	434.2	BE-7	1.43E+00	2.13E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/21/2010	434.2	BI-214	4.58E-02	2.65E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	7/21/2010	434.2	CS-137	4.46E-02	1.53E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	7/21/2010	434.2	K-40	4.88E+00	5.19E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/21/2010	434.2	RA-226	3.29E-01	2.44E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/24/2010	412.2	BE-7	2.30E+00	2.96E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/24/2010	412.2	BI-214	1.16E-01	4.69E-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	8/24/2010	412.2	K-40	2.37E+00	3.67E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/24/2010	412.2	PB-212	6.27E-02	2.42E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	8/24/2010	412.2	PB-214	6.57E-02	3.51E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	8/24/2010	412.2	RA-226	4.97E-01	3.87E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/24/2010	412.2	TH-234	6.23E-01	4.56E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/27/2010	511.6	AC-228	8.28E-02	4.48E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/27/2010	511.6	BE-7	1.42E+00	2.15E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/27/2010	511.6	BI-214	4.81E-02	2.88E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/27/2010	511.6	K-40	1.98E+00	2.82E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/27/2010	511.6	PB-212	6.65E-02	1.96E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/27/2010	511.6	PB-214	4.02E-02	3.03E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/27/2010	511.6	RA-226	6.26E-01	3.71E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/27/2010	511.6	TH-234	8.01E-01	3.53E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/27/2010	511.6	TL-208	2.78E-02	1.38E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	10/21/2010	388	BE-7	1.61E+00	2.65E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	10/21/2010	388	BI-214	9.72E-02	3.97E-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	10/21/2010	388	CS-137	2.23E-02	2.02E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	10/21/2010	388	K-40	4.47E+00	5.49E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	10/21/2010	388	PB-212	4.31E-02	3.22E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	10/21/2010	388	PB-214	5.74E-02	3.70E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	10/21/2010	388	RA-226	6.09E-01	4.14E-01	
62	SE CLOSE TO SITE BOUNDARY	5/23/2010	469.3	BE-7	3.98E-01	1.31E-01	
62	SE CLOSE TO SITE BOUNDARY	5/23/2010	469.3	BI-214	9.41E-02	4.14E-02	
62	SE CLOSE TO SITE BOUNDARY	5/23/2010	469.3	CS-137	4.62E-02	1.70E-02	
62	SE CLOSE TO SITE BOUNDARY	5/23/2010	469.3	K-40	3.72E+00	3.99E-01	
62	SE CLOSE TO SITE BOUNDARY	5/23/2010	469.3	PB-212	3.40E-02	3.04E-02	
62	SE CLOSE TO SITE BOUNDARY	5/23/2010	469.3	PB-214	8.08E-02	3.17E-02	
62	SE CLOSE TO SITE BOUNDARY	5/23/2010	469.3	RA-226	4.66E-01	3.20E-01	
62	SE CLOSE TO SITE BOUNDARY	5/23/2010	469.3	TL-208	1.94E-02	1.45E-02	
62	SE CLOSE TO SITE BOUNDARY	6/23/2010	400.5	BE-7	1.27E+00	2.53E-01	
62	SE CLOSE TO SITE BOUNDARY	6/23/2010	400.5	BI-214	1.13E-01	4.44E-02	
62	SE CLOSE TO SITE BOUNDARY	6/23/2010	400.5	CS-137	8.60E-02	2.27E-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	SE CLOSE TO SITE BOUNDARY	6/23/2010	400.5	K-40	5.04E+00	5.87E-01	
62	SE CLOSE TO SITE BOUNDARY	6/23/2010	400.5	PB-214	5.39E-02	4.05E-02	
62	SE CLOSE TO SITE BOUNDARY	6/23/2010	400.5	RA-226	5.37E-01	4.00E-01	
62	SE CLOSE TO SITE BOUNDARY	7/21/2010	425.5	BE-7	1.00E+00	1.83E-01	
62	SE CLOSE TO SITE BOUNDARY	7/21/2010	425.5	BI-214	7.52E-02	2.67E-02	
62	SE CLOSE TO SITE BOUNDARY	7/21/2010	425.5	CS-137	3.85E-02	1.18E-02	
62	SE CLOSE TO SITE BOUNDARY	7/21/2010	425.5	K-40	3.35E+00	3.81E-01	
62	SE CLOSE TO SITE BOUNDARY	7/21/2010	425.5	PB-212	6.71E-02	2.12E-02	
62	SE CLOSE TO SITE BOUNDARY	7/21/2010	425.5	PB-214	9.38E-02	2.93E-02	
62	SE CLOSE TO SITE BOUNDARY	7/21/2010	425.5	RA-226	6.10E-01	2.65E-01	
62	SE CLOSE TO SITE BOUNDARY	7/21/2010	425.5	TH-234	3.90E-01	3.32E-01	
62	SE CLOSE TO SITE BOUNDARY	7/21/2010	425.5	TL-208	2.04E-02	1.51E-02	
62	SE CLOSE TO SITE BOUNDARY	8/24/2010	463.5	BE-7	1.21E+00	2.13E-01	
62	SE CLOSE TO SITE BOUNDARY	8/24/2010	463.5	BI-214	9.30E-02	3.81E-02	
62	SE CLOSE TO SITE BOUNDARY	8/24/2010	463.5	CS-137	4.41E-02	2.33E-02	
62	SE CLOSE TO SITE BOUNDARY	8/24/2010	463.5	K-40	2.51E+00	3.86E-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*
62	SE CLOSE TO SITE BOUNDARY	8/24/2010	463.5	PB-212	3.79E-02	2.53E-02	
62	SE CLOSE TO SITE BOUNDARY	8/24/2010	463.5	PB-214	7.98E-02	2.59E-02	
62	SE CLOSE TO SITE BOUNDARY	8/24/2010	463.5	RA-226	4.24E-01	3.16E-01	
62	SE CLOSE TO SITE BOUNDARY	8/24/2010	463.5	TL-208	3.40E-02	1.53E-02	
62	SE CLOSE TO SITE BOUNDARY	9/27/2010	300.9	AC-228	1.64E-01	9.09E-02	
62	SE CLOSE TO SITE BOUNDARY	9/27/2010	300.9	BE-7	9.35E-01	2.35E-01	
62	SE CLOSE TO SITE BOUNDARY	9/27/2010	300.9	BI-214	9.09E-02	4.15E-02	
62	SE CLOSE TO SITE BOUNDARY	9/27/2010	300.9	CS-137	4.71E-02	2.66E-02	
62	SE CLOSE TO SITE BOUNDARY	9/27/2010	300.9	K-40	3.62E+00	5.15E-01	
62	SE CLOSE TO SITE BOUNDARY	9/27/2010	300.9	PB-212	1.05E-01	3.67E-02	
62	SE CLOSE TO SITE BOUNDARY	9/27/2010	300.9	RA-226	1.31E+00	5.60E-01	
62	SE CLOSE TO SITE BOUNDARY	9/27/2010	300.9	TL-208	3.22E-02	2.06E-02	
62	SE CLOSE TO SITE BOUNDARY	10/21/2010	425.8	AC-228	9.49E-02	5.29E-02	
62	SE CLOSE TO SITE BOUNDARY	10/21/2010	425.8	BE-7	2.22E+00	2.84E-01	
62	SE CLOSE TO SITE BOUNDARY	10/21/2010	425.8	BI-214	8.85E-02	3.10E-02	
62	SE CLOSE TO SITE BOUNDARY	10/21/2010	425.8	CS-137	9.33E-02	2.84E-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	SE CLOSE TO SITE BOUNDARY	10/21/2010	425.8	K-40	3.41E+00	4.60E-01	
62	SE CLOSE TO SITE BOUNDARY	10/21/2010	425.8	PB-212	4.93E-02	2.57E-02	
62	SE CLOSE TO SITE BOUNDARY	10/21/2010	425.8	PB-214	8.29E-02	3.11E-02	
62	SE CLOSE TO SITE BOUNDARY	10/21/2010	425.8	RA-226	6.02E-01	3.02E-01	
62	SE CLOSE TO SITE BOUNDARY	10/21/2010	425.8	TH-234	3.84E-01	3.38E-01	
62	SE CLOSE TO SITE BOUNDARY	10/21/2010	425.8	TL-208	2.91E-02	1.62E-02	
67	S CLOSE TO SITE BOUNDARY	5/22/2010	467.9	AC-228	1.45E-01	6.86E-02	
67	S CLOSE TO SITE BOUNDARY	5/22/2010	467.9	BE-7	7.44E-01	2.06E-01	
67	S CLOSE TO SITE BOUNDARY	5/22/2010	467.9	CS-137	4.70E-02	2.12E-02	
67	S CLOSE TO SITE BOUNDARY	5/22/2010	467.9	K-40	3.26E+00	4.64E-01	
67	S CLOSE TO SITE BOUNDARY	5/22/2010	467.9	PB-212	4.90E-02	3.23E-02	
67	S CLOSE TO SITE BOUNDARY	5/22/2010	467.9	RA-226	6.57E-01	2.99E-01	
67	S CLOSE TO SITE BOUNDARY	5/22/2010	467.9	TH-234	5.88E-01	4.22E-01	
67	S CLOSE TO SITE BOUNDARY	5/22/2010	467.9	TL-208	4.06E-02	1.94E-02	
67	S CLOSE TO SITE BOUNDARY	6/23/2010	411.3	BE-7	8.61E-01	1.83E-01	
67	S CLOSE TO SITE BOUNDARY	6/23/2010	411.3	BI-214	6.89E-02	3.70E-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*
67	S CLOSE TO SITE BOUNDARY	6/23/2010	411.3	CS-137	2.39E-02	1.88E-02	
67	S CLOSE TO SITE BOUNDARY	6/23/2010	411.3	K-40	3.48E+00	4.41E-01	
67	S CLOSE TO SITE BOUNDARY	6/23/2010	411.3	RA-226	4.66E-01	2.69E-01	
67	S CLOSE TO SITE BOUNDARY	6/23/2010	411.3	TL-208	2.06E-02	1.21E-02	
67	S CLOSE TO SITE BOUNDARY	7/21/2010	396.9	AC-228	8.89E-02	4.51E-02	
67	S CLOSE TO SITE BOUNDARY	7/21/2010	396.9	BE-7	1.29E+00	2.04E-01	
67	S CLOSE TO SITE BOUNDARY	7/21/2010	396.9	BI-214	7.11E-02	3.41E-02	
67	S CLOSE TO SITE BOUNDARY	7/21/2010	396.9	CS-137	7.10E-02	1.75E-02	
67	S CLOSE TO SITE BOUNDARY	7/21/2010	396.9	K-40	3.50E+00	4.13E-01	
67	S CLOSE TO SITE BOUNDARY	7/21/2010	396.9	PB-212	6.74E-02	2.25E-02	
67	S CLOSE TO SITE BOUNDARY	7/21/2010	396.9	PB-214	7.95E-02	3.32E-02	
67	S CLOSE TO SITE BOUNDARY	7/21/2010	396.9	RA-226	8.90E-01	3.41E-01	
67	S CLOSE TO SITE BOUNDARY	7/21/2010	396.9	TH-234	6.62E-01	3.84E-01	
67	S CLOSE TO SITE BOUNDARY	7/21/2010	396.9	TL-208	3.29E-02	1.35E-02	
67	S CLOSE TO SITE BOUNDARY	8/24/2010	445.5	AC-228	8.63E-02	5.23E-02	
67	S CLOSE TO SITE BOUNDARY	8/24/2010	445.5	BE-7	4.42E-01	1.80E-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*
67	S CLOSE TO SITE BOUNDARY	8/24/2010	445.5	BI-214	1.24E-01	3.50E-02	
67	S CLOSE TO SITE BOUNDARY	8/24/2010	445.5	CS-137	4.48E-02	1.94E-02	
67	S CLOSE TO SITE BOUNDARY	8/24/2010	445.5	K-40	4.04E+00	5.03E-01	
67	S CLOSE TO SITE BOUNDARY	8/24/2010	445.5	PB-212	4.14E-02	1.96E-02	
67	S CLOSE TO SITE BOUNDARY	8/24/2010	445.5	PB-214	6.27E-02	4.14E-02	
67	S CLOSE TO SITE BOUNDARY	8/24/2010	445.5	RA-226	5.76E-01	3.37E-01	
67	S CLOSE TO SITE BOUNDARY	8/24/2010	445.5	TH-234	6.53E-01	4.73E-01	
67	S CLOSE TO SITE BOUNDARY	9/27/2010	444.9	BE-7	7.38E-01	1.80E-01	
67	S CLOSE TO SITE BOUNDARY	9/27/2010	444.9	BI-214	8.98E-02	3.49E-02	
67	S CLOSE TO SITE BOUNDARY	9/27/2010	444.9	CS-137	4.16E-02	1.54E-02	
67	S CLOSE TO SITE BOUNDARY	9/27/2010	444.9	K-40	2.22E+00	3.33E-01	
67	S CLOSE TO SITE BOUNDARY	9/27/2010	444.9	PB-212	3.49E-02	2.01E-02	
67	S CLOSE TO SITE BOUNDARY	9/27/2010	444.9	PB-214	5.56E-02	2.93E-02	
67	S CLOSE TO SITE BOUNDARY	9/27/2010	444.9	RA-226	4.94E-01	2.89E-01	
67	S CLOSE TO SITE BOUNDARY	10/21/2010	412.1	AC-228	7.70E-02	5.42E-02	
67	S CLOSE TO SITE BOUNDARY	10/21/2010	412.1	BE-7	2.11E+00	2.93E-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*
67	S CLOSE TO SITE BOUNDARY	10/21/2010	412.1	CS-137	3.99E-02	2.23E-02	
67	S CLOSE TO SITE BOUNDARY	10/21/2010	412.1	K-40	3.30E+00	4.35E-01	
67	S CLOSE TO SITE BOUNDARY	10/21/2010	412.1	PB-212	5.53E-02	2.67E-02	
67	S CLOSE TO SITE BOUNDARY	10/21/2010	412.1	PB-214	7.37E-02	3.03E-02	
67	S CLOSE TO SITE BOUNDARY	10/21/2010	412.1	RA-226	4.29E-01	3.87E-01	
67	S CLOSE TO SITE BOUNDARY	10/21/2010	412.1	TH-234	4.90E-01	4.03E-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	5/23/2010	515.1	AC-228	1.00E-01	5.25E-02	
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	515.1	BE-7	4.93E-01	1.38E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	515.1	BI-214	6.13E-02	2.60E-02	
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	515.1	K-40	3.59E+00	3.72E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	515.1	PB-212	4.67E-02	2.46E-02	
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	515.1	PB-214	4.13E-02	2.54E-02	
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	515.1	RA-226	4.57E-01	2.97E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	515.1	TH-234	4.87E-01	3.59E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/23/2010	515.1	TL-208	1.22E-02	1.03E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/23/2010	489.4	AC-228	1.24E-01	6.56E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/23/2010	489.4	BE-7	1.30E+00	1.97E-01	
50	SSE - CLOSE TO SITE BOUNDARY	6/23/2010	489.4	BI-214	4.15E-02	2.74E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/23/2010	489.4	K-40	4.49E+00	5.17E-01	
50	SSE - CLOSE TO SITE BOUNDARY	6/23/2010	489.4	PB-212	3.50E-02	2.26E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/23/2010	489.4	PB-214	3.58E-02	3.95E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/21/2010	502.1	AC-228	1.35E-01	6.17E-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	7/21/2010	502.1	BE-7	1.25E+00	2.04E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/21/2010	502.1	BI-214	6.72E-02	2.76E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/21/2010	502.1	K-40	3.99E+00	4.64E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/21/2010	502.1	PB-212	7.04E-02	3.36E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/21/2010	502.1	PB-214	2.97E-02	2.61E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/21/2010	502.1	TH-234	6.30E-01	5.25E-01	
50	SSE - CLOSE TO SITE BOUNDARY	8/24/2010	438	AC-228	2.24E-01	7.02E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/24/2010	438	BE-7	2.69E+00	3.42E-01	
50	SSE - CLOSE TO SITE BOUNDARY	8/24/2010	438	BI-214	2.18E-01	4.69E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/24/2010	438	K-40	4.20E+00	5.28E-01	
50	SSE - CLOSE TO SITE BOUNDARY	8/24/2010	438	PB-212	1.26E-01	3.17E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/24/2010	438	PB-214	1.64E-01	4.38E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/24/2010	438	RA-226	6.57E-01	3.81E-01	
50	SSE - CLOSE TO SITE BOUNDARY	8/24/2010	438	TL-208	5.47E-02	1.84E-02	
50	SSE - CLOSE TO SITE BOUNDARY	9/27/2010	516	AC-228	1.38E-01	4.58E-02	
50	SSE - CLOSE TO SITE BOUNDARY	9/27/2010	516	BE-7	3.85E-01	1.41E-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	9/27/2010	516	BI-214	8.24E-02	2.74E-02	
50	SSE - CLOSE TO SITE BOUNDARY	9/27/2010	516	K-40	2.33E+00	3.36E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/27/2010	516	PB-212	4.36E-02	1.79E-02	
50	SSE - CLOSE TO SITE BOUNDARY	9/27/2010	516	PB-214	9.39E-02	2.75E-02	
50	SSE - CLOSE TO SITE BOUNDARY	9/27/2010	516	RA-226	4.44E-01	3.07E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/27/2010	516	TH-234	4.06E-01	3.66E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/27/2010	516	TL-208	2.34E-02	1.72E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/21/2010	447.9	AC-228	2.13E-01	7.24E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/21/2010	447.9	BE-7	1.12E+00	2.13E-01	
50	SSE - CLOSE TO SITE BOUNDARY	10/21/2010	447.9	BI-214	6.63E-02	4.13E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/21/2010	447.9	K-40	3.32E+00	4.32E-01	
50	SSE - CLOSE TO SITE BOUNDARY	10/21/2010	447.9	PB-212	6.45E-02	2.16E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/21/2010	447.9	PB-214	9.75E-02	3.80E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/21/2010	447.9	TH-234	4.83E-01	4.62E-01	
51	SSW - CLOSE TO SITE BOUNDARY	5/22/2010	450.1	BE-7	7.31E-01	1.51E-01	
51	SSW - CLOSE TO SITE BOUNDARY	5/22/2010	450.1	CS-137	2.06E-02	1.32E-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	5/22/2010	450.1	K-40	3.21E+00	3.68E-01	
51	SSW - CLOSE TO SITE BOUNDARY	5/22/2010	450.1	PB-212	4.20E-02	1.93E-02	
51	SSW - CLOSE TO SITE BOUNDARY	5/22/2010	450.1	TL-208	1.85E-02	1.38E-02	
51	SSW - CLOSE TO SITE BOUNDARY	6/23/2010	491.9	AC-228	1.29E-01	5.14E-02	
51	SSW - CLOSE TO SITE BOUNDARY	6/23/2010	491.9	BE-7	1.24E+00	2.14E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/23/2010	491.9	BI-214	8.47E-02	3.37E-02	
51	SSW - CLOSE TO SITE BOUNDARY	6/23/2010	491.9	K-40	3.15E+00	4.15E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/23/2010	491.9	PB-212	4.40E-02	1.57E-02	
51	SSW - CLOSE TO SITE BOUNDARY	6/23/2010	491.9	PB-214	7.79E-02	3.75E-02	
51	SSW - CLOSE TO SITE BOUNDARY	6/23/2010	491.9	RA-226	8.21E-01	3.89E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/23/2010	491.9	TH-234	4.23E-01	3.66E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/23/2010	491.9	TL-208	1.69E-02	1.50E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/21/2010	537.8	AC-228	1.52E-01	5.05E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/21/2010	537.8	BE-7	1.14E+00	1.81E-01	
51	SSW - CLOSE TO SITE BOUNDARY	7/21/2010	537.8	BI-214	6.74E-02	3.20E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/21/2010	537.8	K-40	3.32E+00	3.99E-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	7/21/2010	537.8	PB-214	5.68E-02	2.93E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/24/2010	463	AC-228	2.25E-01	7.40E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/24/2010	463	BE-7	2.05E+00	2.73E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/24/2010	463	BI-214	1.09E-01	4.05E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/24/2010	463	CS-137	1.83E-02	1.69E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/24/2010	463	K-40	3.88E+00	4.81E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/24/2010	463	PB-212	6.18E-02	2.51E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/24/2010	463	RA-226	7.95E-01	4.15E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/24/2010	463	TL-208	3.30E-02	1.56E-02	
51	SSW - CLOSE TO SITE BOUNDARY	9/27/2010	470.3	AC-228	1.96E-01	5.43E-02	
51	SSW - CLOSE TO SITE BOUNDARY	9/27/2010	470.3	BE-7	8.00E-01	1.74E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/27/2010	470.3	BI-214	9.37E-02	3.23E-02	
51	SSW - CLOSE TO SITE BOUNDARY	9/27/2010	470.3	K-40	2.39E+00	3.46E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/27/2010	470.3	PB-212	2.90E-02	2.26E-02	
51	SSW - CLOSE TO SITE BOUNDARY	9/27/2010	470.3	PB-214	7.37E-02	3.32E-02	
51	SSW - CLOSE TO SITE BOUNDARY	9/27/2010	470.3	RA-226	6.56E-01	3.09E-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	9/27/2010	470.3	TH-234	4.61E-01	3.88E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/27/2010	470.3	TL-208	1.90E-02	1.65E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/21/2010	444.2	AC-228	2.02E-01	6.06E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/21/2010	444.2	BE-7	1.26E+00	2.14E-01	
51	SSW - CLOSE TO SITE BOUNDARY	10/21/2010	444.2	BI-214	1.01E-01	3.57E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/21/2010	444.2	K-40	3.01E+00	4.10E-01	
51	SSW - CLOSE TO SITE BOUNDARY	10/21/2010	444.2	PB-212	5.62E-02	3.16E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/21/2010	444.2	PB-214	1.10E-01	3.15E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/21/2010	444.2	RA-226	8.03E-01	3.15E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/22/2010	496.6	BE-7	3.45E-01	1.30E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/22/2010	496.6	K-40	2.83E+00	3.35E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/22/2010	496.6	PB-212	2.40E-02	1.66E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	5/22/2010	496.6	PB-214	6.22E-02	2.38E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	5/22/2010	496.6	RA-226	3.77E-01	2.07E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/22/2010	496.6	TH-234	6.63E-01	3.45E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	6/23/2010	425.6	BE-7	1.61E+00	2.72E-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	6/23/2010	425.6	BI-214	8.63E-02	4.08E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	6/23/2010	425.6	K-40	3.80E+00	4.91E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	6/23/2010	425.6	PB-214	4.18E-02	3.84E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	6/23/2010	425.6	RA-226	6.51E-01	4.46E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/21/2010	491.2	AC-228	1.50E-01	5.17E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	7/21/2010	491.2	BE-7	1.20E+00	1.77E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/21/2010	491.2	BI-214	9.16E-02	2.78E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	7/21/2010	491.2	K-40	2.98E+00	3.49E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/21/2010	491.2	PB-212	4.27E-02	1.74E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	7/21/2010	491.2	PB-214	9.60E-02	3.13E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	7/21/2010	491.2	RA-226	5.64E-01	3.68E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/21/2010	491.2	TL-208	1.70E-02	1.35E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	8/24/2010	371.8	AC-228	1.76E-01	6.26E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	8/24/2010	371.8	BE-7	2.10E+00	2.89E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/24/2010	371.8	BI-214	1.22E-01	4.54E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	8/24/2010	371.8	CS-137	3.29E-02	1.82E-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	8/24/2010	371.8	K-40	4.07E+00	4.94E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/24/2010	371.8	PB-212	4.22E-02	2.73E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	8/24/2010	371.8	PB-214	1.12E-01	4.02E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	8/24/2010	371.8	RA-226	4.59E-01	3.54E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/27/2010	476.1	BE-7	1.21E+00	2.18E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/27/2010	476.1	BI-214	1.00E-01	3.10E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/27/2010	476.1	K-40	2.15E+00	3.31E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/27/2010	476.1	PB-212	4.91E-02	2.29E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/27/2010	476.1	PB-214	1.25E-01	3.72E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/27/2010	476.1	RA-226	6.60E-01	2.86E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/27/2010	476.1	TH-234	4.05E-01	3.28E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	10/21/2010	443.4	AC-228	2.00E-01	6.08E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	10/21/2010	443.4	BE-7	1.44E+00	2.28E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	10/21/2010	443.4	BI-214	1.41E-01	3.83E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	10/21/2010	443.4	K-40	2.54E+00	3.68E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	10/21/2010	443.4	PB-212	3.81E-02	3.03E-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	10/21/2010	443.4	PB-214	1.33E-01	4.47E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	10/21/2010	443.4	RA-226	6.47E-01	2.48E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	10/21/2010	443.4	TH-234	6.46E-01	4.48E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	10/21/2010	443.4	TL-208	1.69E-02	1.39E-02	
62	SE CLOSE TO SITE BOUNDARY	5/23/2010	384.8	BE-7	5.53E-01	2.27E-01	
62	SE CLOSE TO SITE BOUNDARY	5/23/2010	384.8	BI-214	1.03E-01	4.99E-02	
62	SE CLOSE TO SITE BOUNDARY	5/23/2010	384.8	CS-137	3.58E-02	1.95E-02	
62	SE CLOSE TO SITE BOUNDARY	5/23/2010	384.8	K-40	3.22E+00	4.78E-01	
62	SE CLOSE TO SITE BOUNDARY	5/23/2010	384.8	PB-212	5.77E-02	2.58E-02	
62	SE CLOSE TO SITE BOUNDARY	5/23/2010	384.8	PB-214	9.99E-02	5.78E-02	
62	SE CLOSE TO SITE BOUNDARY	5/23/2010	384.8	RA-226	1.12E+00	4.25E-01	
62	SE CLOSE TO SITE BOUNDARY	5/23/2010	384.8	TL-208	2.90E-02	2.52E-02	
62	SE CLOSE TO SITE BOUNDARY	6/23/2010	388.4	BE-7	1.55E+00	2.70E-01	
62	SE CLOSE TO SITE BOUNDARY	6/23/2010	388.4	BI-214	9.19E-02	3.51E-02	
62	SE CLOSE TO SITE BOUNDARY	6/23/2010	388.4	CS-137	4.10E-02	1.90E-02	
62	SE CLOSE TO SITE BOUNDARY	6/23/2010	388.4	K-40	3.12E+00	4.66E-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	SE CLOSE TO SITE BOUNDARY	6/23/2010	388.4	PB-212	4.39E-02	2.19E-02	
62	SE CLOSE TO SITE BOUNDARY	6/23/2010	388.4	PB-214	8.50E-02	3.68E-02	
62	SE CLOSE TO SITE BOUNDARY	6/23/2010	388.4	RA-226	8.09E-01	3.16E-01	
62	SE CLOSE TO SITE BOUNDARY	6/23/2010	388.4	TH-234	7.69E-01	5.52E-01	
62	SE CLOSE TO SITE BOUNDARY	7/21/2010	475.4	BE-7	1.90E+00	2.31E-01	
62	SE CLOSE TO SITE BOUNDARY	7/21/2010	475.4	BI-214	1.10E-01	2.54E-02	
62	SE CLOSE TO SITE BOUNDARY	7/21/2010	475.4	K-40	2.58E+00	3.13E-01	
62	SE CLOSE TO SITE BOUNDARY	7/21/2010	475.4	PB-212	4.80E-02	1.50E-02	
62	SE CLOSE TO SITE BOUNDARY	7/21/2010	475.4	PB-214	9.19E-02	2.34E-02	
62	SE CLOSE TO SITE BOUNDARY	7/21/2010	475.4	RA-226	5.49E-01	2.11E-01	
62	SE CLOSE TO SITE BOUNDARY	7/21/2010	475.4	TH-234	5.49E-01	2.87E-01	
62	SE CLOSE TO SITE BOUNDARY	7/21/2010	475.4	TL-208	1.58E-02	7.40E-03	
62	SE CLOSE TO SITE BOUNDARY	8/24/2010	456.2	AC-228	1.75E-01	5.50E-02	
62	SE CLOSE TO SITE BOUNDARY	8/24/2010	456.2	BE-7	3.44E+00	3.89E-01	
62	SE CLOSE TO SITE BOUNDARY	8/24/2010	456.2	BI-214	1.11E-01	3.49E-02	
62	SE CLOSE TO SITE BOUNDARY	8/24/2010	456.2	K-40	3.65E+00	4.51E-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	SE CLOSE TO SITE BOUNDARY	8/24/2010	456.2	PB-214	7.15E-02	3.42E-02	
62	SE CLOSE TO SITE BOUNDARY	8/24/2010	456.2	TL-208	2.72E-02	1.59E-02	
62	SE CLOSE TO SITE BOUNDARY	9/27/2010	429.3	BE-7	1.93E+00	2.82E-01	
62	SE CLOSE TO SITE BOUNDARY	9/27/2010	429.3	BI-214	1.23E-01	3.82E-02	
62	SE CLOSE TO SITE BOUNDARY	9/27/2010	429.3	K-40	2.43E+00	3.69E-01	
62	SE CLOSE TO SITE BOUNDARY	9/27/2010	429.3	PB-214	8.52E-02	4.16E-02	
62	SE CLOSE TO SITE BOUNDARY	9/27/2010	429.3	RA-226	5.56E-01	3.82E-01	
62	SE CLOSE TO SITE BOUNDARY	10/21/2010	389.2	AC-228	1.52E-01	8.50E-02	
62	SE CLOSE TO SITE BOUNDARY	10/21/2010	389.2	BE-7	1.90E+00	2.92E-01	
62	SE CLOSE TO SITE BOUNDARY	10/21/2010	389.2	BI-214	1.24E-01	4.16E-02	
62	SE CLOSE TO SITE BOUNDARY	10/21/2010	389.2	K-40	2.77E+00	4.21E-01	
62	SE CLOSE TO SITE BOUNDARY	10/21/2010	389.2	PB-212	5.49E-02	3.76E-02	
62	SE CLOSE TO SITE BOUNDARY	10/21/2010	389.2	PB-214	1.11E-01	4.26E-02	
62	SE CLOSE TO SITE BOUNDARY	10/21/2010	389.2	RA-226	7.96E-01	3.79E-01	
62	SE CLOSE TO SITE BOUNDARY	10/21/2010	389.2	TH-234	6.77E-01	4.39E-01	
67	S CLOSE TO SITE BOUNDARY	5/22/2010	419.3	AC-228	1.38E-01	4.96E-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*
67	S CLOSE TO SITE BOUNDARY	5/22/2010	419.3	BE-7	5.82E-01	1.58E-01	
67	S CLOSE TO SITE BOUNDARY	5/22/2010	419.3	BI-214	7.77E-02	3.08E-02	
67	S CLOSE TO SITE BOUNDARY	5/22/2010	419.3	K-40	2.99E+00	3.85E-01	
67	S CLOSE TO SITE BOUNDARY	5/22/2010	419.3	PB-212	3.42E-02	1.96E-02	
67	S CLOSE TO SITE BOUNDARY	5/22/2010	419.3	PB-214	4.22E-02	2.67E-02	
67	S CLOSE TO SITE BOUNDARY	5/22/2010	419.3	RA-226	7.22E-01	2.51E-01	
67	S CLOSE TO SITE BOUNDARY	6/23/2010	437.6	AC-228	1.41E-01	6.36E-02	
67	S CLOSE TO SITE BOUNDARY	6/23/2010	437.6	BE-7	1.37E+00	2.41E-01	
67	S CLOSE TO SITE BOUNDARY	6/23/2010	437.6	BI-214	8.97E-02	3.19E-02	
67	S CLOSE TO SITE BOUNDARY	6/23/2010	437.6	CS-137	1.56E-02	1.17E-02	
67	S CLOSE TO SITE BOUNDARY	6/23/2010	437.6	K-40	4.02E+00	5.16E-01	
67	S CLOSE TO SITE BOUNDARY	6/23/2010	437.6	PB-212	3.36E-02	2.79E-02	
67	S CLOSE TO SITE BOUNDARY	6/23/2010	437.6	PB-214	5.79E-02	3.34E-02	
67	S CLOSE TO SITE BOUNDARY	6/23/2010	437.6	RA-226	5.48E-01	3.37E-01	
67	S CLOSE TO SITE BOUNDARY	7/21/2010	474.4	AC-228	2.03E-01	4.98E-02	
67	S CLOSE TO SITE BOUNDARY	7/21/2010	474.4	BE-7	2.35E+00	2.74E-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*
67	S CLOSE TO SITE BOUNDARY	7/21/2010	474.4	BI-214	1.21E-01	3.31E-02	
67	S CLOSE TO SITE BOUNDARY	7/21/2010	474.4	K-40	2.59E+00	3.13E-01	
67	S CLOSE TO SITE BOUNDARY	7/21/2010	474.4	PB-212	3.45E-02	1.55E-02	
67	S CLOSE TO SITE BOUNDARY	7/21/2010	474.4	PB-214	1.11E-01	2.83E-02	
67	S CLOSE TO SITE BOUNDARY	7/21/2010	474.4	RA-226	5.12E-01	2.30E-01	
67	S CLOSE TO SITE BOUNDARY	7/21/2010	474.4	TH-234	6.71E-01	3.48E-01	
67	S CLOSE TO SITE BOUNDARY	8/24/2010	450.3	AC-228	2.45E-01	6.36E-02	
67	S CLOSE TO SITE BOUNDARY	8/24/2010	450.3	BE-7	2.43E+00	3.20E-01	
67	S CLOSE TO SITE BOUNDARY	8/24/2010	450.3	BI-214	7.43E-02	3.07E-02	
67	S CLOSE TO SITE BOUNDARY	8/24/2010	450.3	K-40	2.67E+00	3.57E-01	
67	S CLOSE TO SITE BOUNDARY	8/24/2010	450.3	PB-214	7.81E-02	3.17E-02	
67	S CLOSE TO SITE BOUNDARY	8/24/2010	450.3	RA-226	4.90E-01	3.79E-01	
67	S CLOSE TO SITE BOUNDARY	9/27/2010	478.1	AC-228	1.64E-01	6.25E-02	
67	S CLOSE TO SITE BOUNDARY	9/27/2010	478.1	BE-7	1.13E+00	2.04E-01	
67	S CLOSE TO SITE BOUNDARY	9/27/2010	478.1	BI-214	8.70E-02	3.06E-02	
67	S CLOSE TO SITE BOUNDARY	9/27/2010	478.1	K-40	2.35E+00	3.46E-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*
67	S CLOSE TO SITE BOUNDARY	9/27/2010	478.1	PB-212	3.74E-02	2.46E-02	
67	S CLOSE TO SITE BOUNDARY	9/27/2010	478.1	RA-226	3.94E-01	3.31E-01	
67	S CLOSE TO SITE BOUNDARY	9/27/2010	478.1	TH-234	6.02E-01	4.46E-01	
67	S CLOSE TO SITE BOUNDARY	9/27/2010	478.1	TL-208	2.05E-02	1.35E-02	
67	S CLOSE TO SITE BOUNDARY	10/21/2010	442	AC-228	1.95E-01	6.72E-02	
67	S CLOSE TO SITE BOUNDARY	10/21/2010	442	BE-7	1.64E+00	2.58E-01	
67	S CLOSE TO SITE BOUNDARY	10/21/2010	442	BI-214	9.53E-02	3.50E-02	
67	S CLOSE TO SITE BOUNDARY	10/21/2010	442	K-40	2.38E+00	3.61E-01	
67	S CLOSE TO SITE BOUNDARY	10/21/2010	442	PB-212	5.30E-02	2.11E-02	
67	S CLOSE TO SITE BOUNDARY	10/21/2010	442	PB-214	6.15E-02	3.39E-02	
67	S CLOSE TO SITE BOUNDARY	10/21/2010	442	RA-226	5.43E-01	3.02E-01	