TS 5.6.2

Progress Energy

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MAY 13 2005

United States Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

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

RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT - 2004

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, 2004, through December 31, 2004.

If you have any questions concerning this report, please contact me at (843) 857-1253.

Sincerely,

C. T. Baucom
Supervisor - Licensing/Regulatory Programs

RAC/rac

Enclosure

c: Dr. W. D. Travers, NRC, Region II
Mr. C. P. Patel, NRC, NRR (w/o enclosure)
NRC Resident Inspector

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

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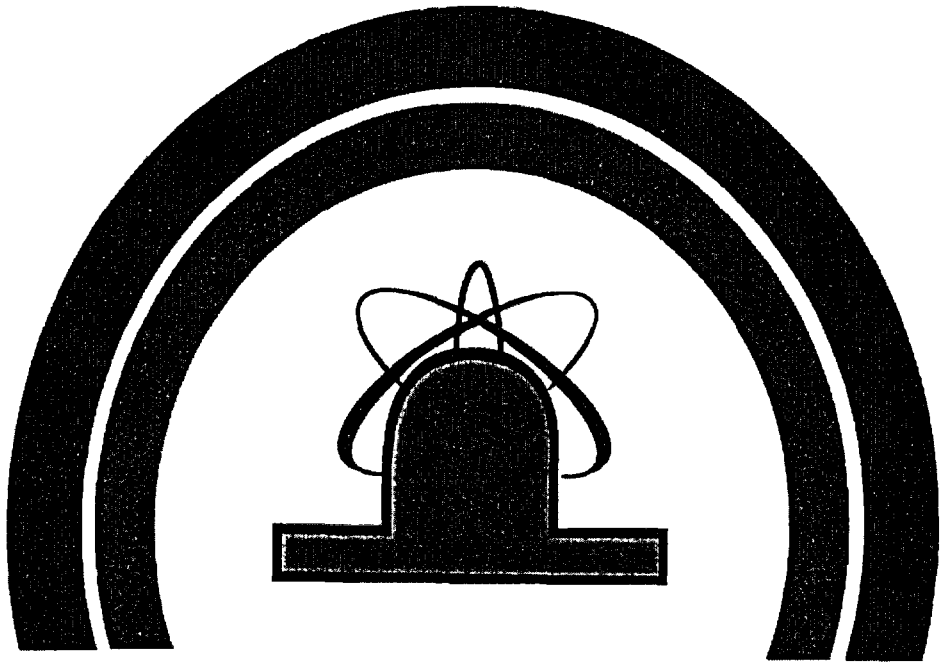
RADIOLOGICAL

ENVIRONMENTAL OPERATING

REPORT

2004



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

PROGRESS ENERGY CAROLINAS, INC.

ALSO KNOWN AS

CAROLINA POWER & LIGHT COMPANY

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, 2004

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EXECUTIVE SUMMARY

The H. B. Robinson Steam Electric Plant, Unit No. 2 (HBRSEP) is operated by Progress Energy Carolinas, Inc.; also known as Carolina Power & Light Company; 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, 2004 through December 31, 2004.

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

Monitoring results for environmental media are summarized as follows:

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

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

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

- Aquatic organism monitoring includes fish and aquatic vegetation. Results indicate detectable concentrations of Cs-137 and K-40 in both indicator and control locations for fish and aquatic vegetation, while results also indicate natural occurring nuclides in both indicator and control samples.

- Surface water results indicate that the surface water from Lake Robinson shows the presence of tritium, which is attributed to plant operation.

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

- Sediment monitoring includes both shoreline and bottom sediment. During 2004, bottom sediment results indicated the presence of Cs-137 and Co-60. No other gamma activity was detected in any sediment samples, except for naturally occurring gamma activity.

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.

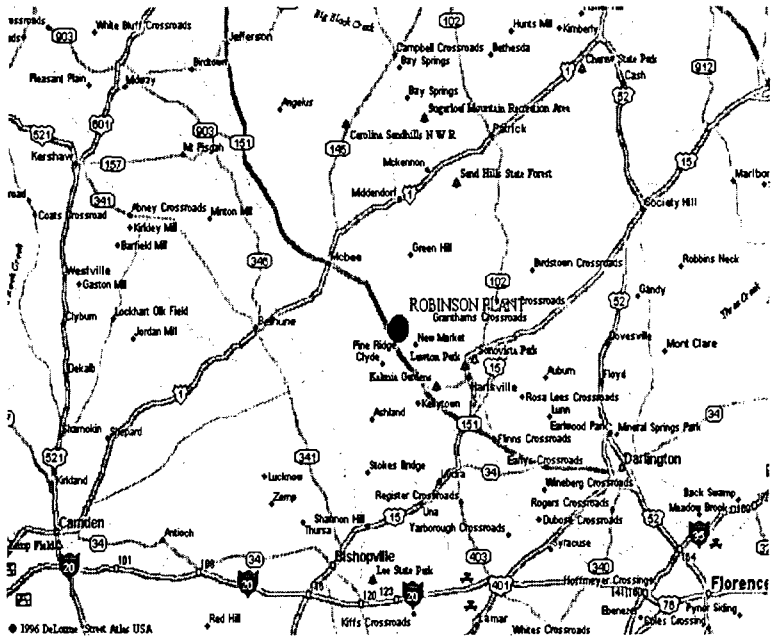

Figure 1: Location of HBRSEP

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, Progress Energy Carolinas, Inc. has established this program to measure the exposure pathways to man. An exposure pathway describes the source of the radiological exposure. The primary forms of potential radiological emissions from the plant are airborne and liquid discharge. The pathways monitored are external dose, ingestion of radioactive materials, and the inhalation of radioactive material. Specific methods and different environmental media are required to assess each pathway. Table 1 provides a list of the media used to assess each of these pathways.

Table 1

Media Used to Assess Exposure Pathways to Man

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

Sampling Locations

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

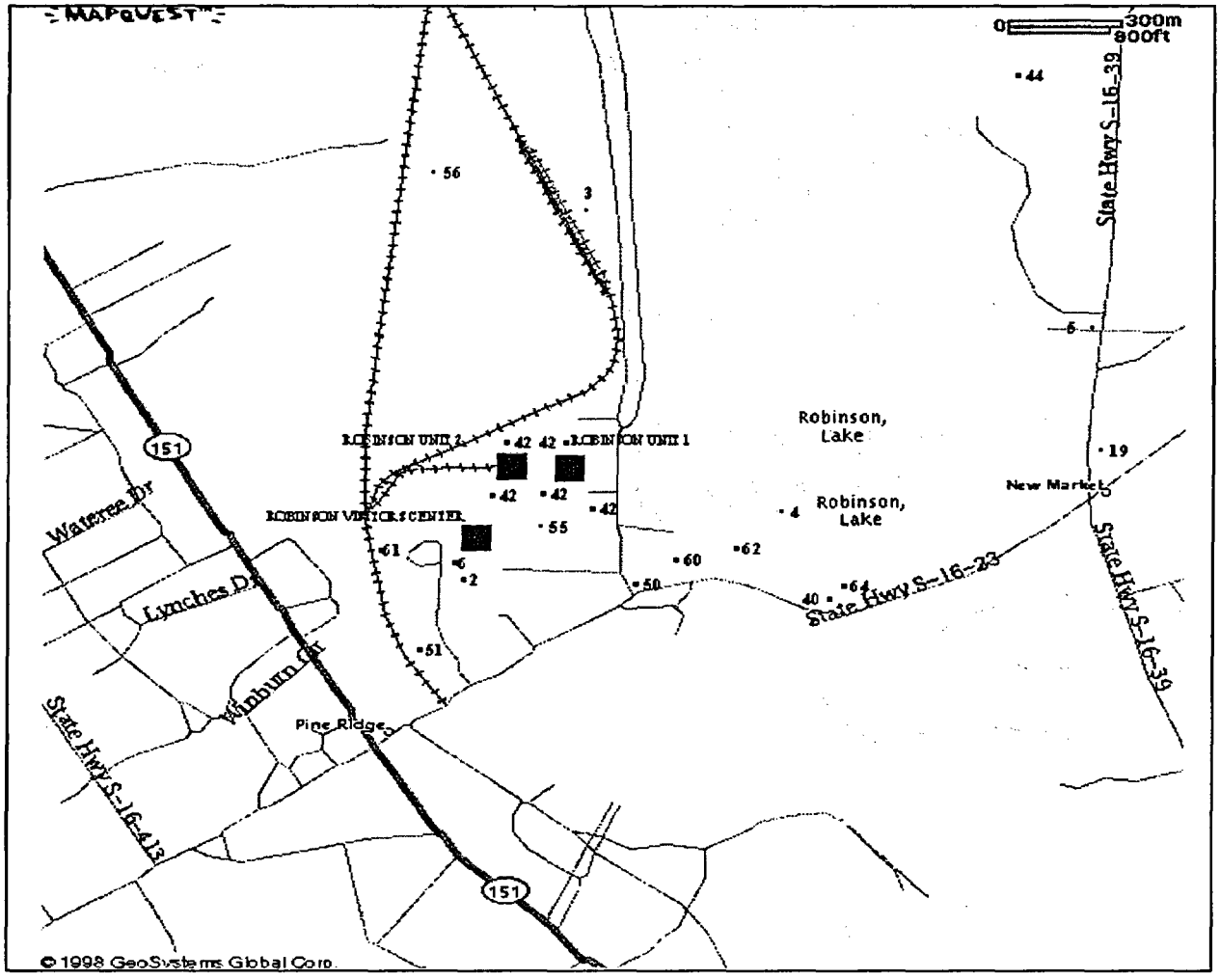

Figure 2: Radiological Sampling Locations (Near Plant)

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

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

Radiological Sampling Locations

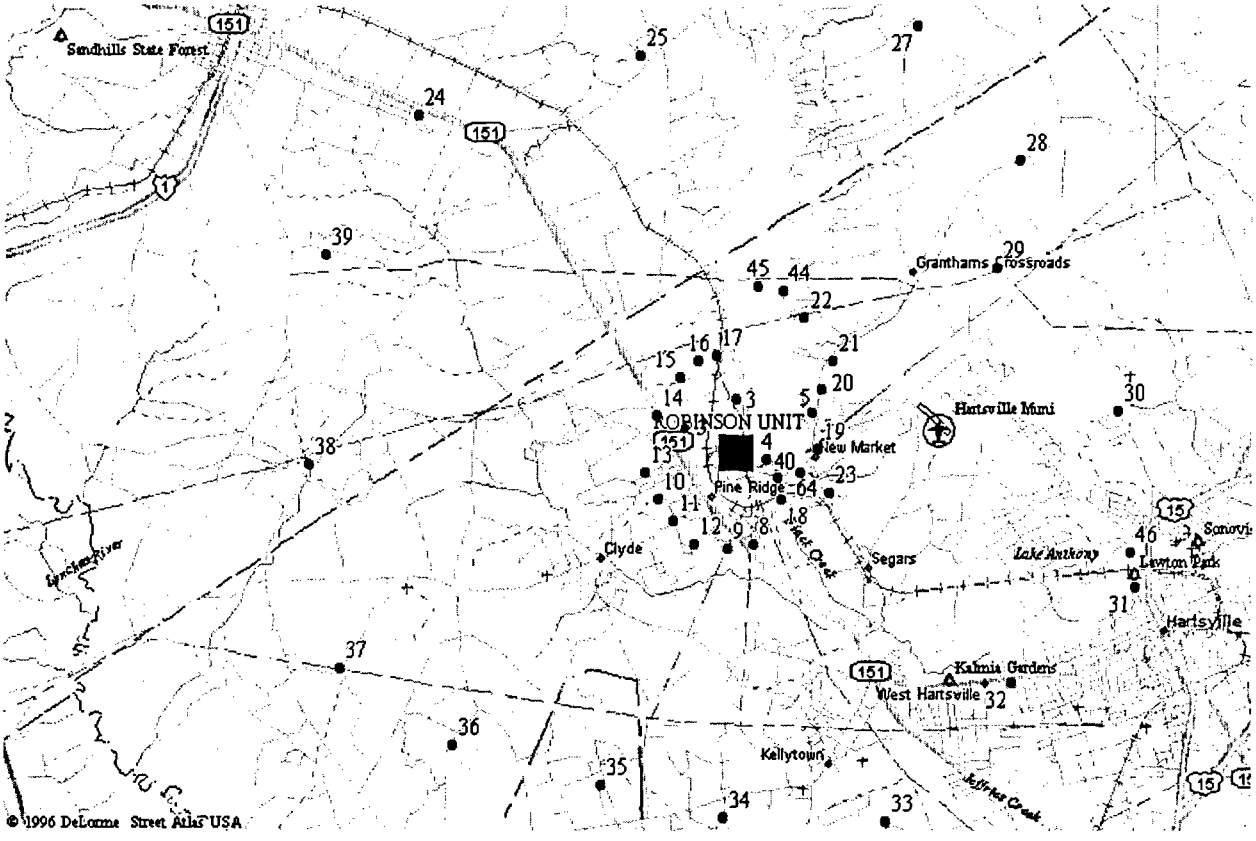

Figure 3: Radiological Sampling Locations (Distant from Plant)

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

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

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 mile ENE East shore of lake, near Johnson's Landing 6--0.2 miles SSW Information Center 7--6.4 miles ESE CP&L facility on RR Ave., Hartsville 55--0.2 miles SSE South of West Settling Pond 60--0.2 miles SE Robinson Picnic Area 61--0.3 miles WSW West Parking lot near RR tracks	Weekly	510 m^3	Iodine
Air Particulate (AP)	1--24.4 miles ESE Florence, S.C.* 2--0.2 miles S Information Center 3--0.5 miles N Microwave Tower 4--0.4 miles ESE Spillway 5--0.9 miles ENE East shore of lake, near Johnson's Landing 6--0.2 miles SSW Information Center 7--6.4 miles ESE CP&L facility on RR Ave., Hartsville 55--0.2 miles SSE South of West Settling Pond 60--0.2 miles SE Robinson Picnic Area 61--0.3 miles WSW West Parking lot near RR tracks	Weekly	510 m^3	Gross Beta (Weekly) Composite Gamma (Quarterly)
Fish (FI)	45--Site varies within Lake Robinson 46--Site varies within Prestwood Lake 47--Control station, Any lake not influenced by plant discharge*	Semiannual	500 grams (wet)	Gamma (edible portions)
Broadleaf Vegetation (BL)	50--SSE Close to Site Boundary 51--SSW Close to Site Boundary 52--10 miles W near Bethune* 62--SE Close to Site Boundary	Monthly (As available)	500 grams (wet)	Gamma Iodine
Shoreline Sediment (SS)	44--1.6 miles NNE East shore of lake, Shady Rest Club 57--Ash Pond	Semiannual	500 grams	Gamma
Aquatic Veg. (AV) & Bottom Sediments (SD)	46-- Site varies within Prestwood Lake 41--8.0 miles N Black Creek at US Hwy 1* 45--Site varies within Lake Robinson 54--10.1 miles E Auburndale Plantation	Annual	500 grams	Gamma
Ground Water (GW)	64--0.6 miles SE Artesian well 42--Unit 1 or Unit 2 deep well	Quarterly (as of 7/98)	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	Monthly Composite	4 liters	Gamma Tritium
Food Products (FP)	58--Site varies from plant 49--10.0 miles W or greater than 5 miles from plant * 54--10.1 miles E Auburndale Plantation	Annual at Harvest	500 grams	Gamma (edible portions)

* Control Stations

Table 2 (Continued)

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

Sample Type	Location & Description	Frequency	Sample Size	Analysis
Thermoluminescent Dosimetry (TLD)	1--24.4 miles ESE Florence, S.C. * 2--0.2 mile S Information Center 3--0.5 mile N Microwave Tower 4--0.4 mile ESE Spillway 5--0.9 mile ENE East shore of lake, near Johnson's Landing 6--0.2 mile SSW Information Center 7--6.4 miles ESE CP&L Facility on RR Ave., Hartsville 8--0.8 mile SSE Transmission right-of-way 9--1.0 mile S Transmission right-of-way 10--1.0 mile WSW Clyde Church of God 11--1.0 mile SW Old Camden Road 12--1.2 miles SSW off of Old Camden Road 13--0.7 miles W Corner of Saluda and Sampit 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 ISFSI	Quarterly	Not Applicable	TLD Reading Gamma Dose

*Control Station

SUMMARY OF RADIOLOGICAL MONITORING PROGRAM

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

The purpose of the REMP is to measure accumulation of radioactivity in the environment, to determine whether this radioactivity is the result of the operation of the HBRSEP, Unit No. 2, and to assess the potential dose to the off-site population based on the cumulative measurements of radioactivity of plant origin. Approximately 1,397 samples were collected from indicator and control locations and 1,443 analyses and measurements were made during 2004. Detectable radioactivity resulting from plant operation was found in 24 out of 24 indicator samples of surface water (Table 4). Only the tritium activity in fish samples constituted a potential source of public exposure. Using the methodology of Regulatory Guide 1.109 "Calculation of Annual Doses to Man from Routine Releases of Reactor Effluents for the Purpose of Evaluating Compliance with 10 CFR Part 50, Appendix I, Revision 1, dated October 1977," the greatest potential exposure to an individual of the public (being an adult) from the fish consumption of approximately 46 pounds (21 kg) of fish per year and assuming that tritium concentration is in equilibrium with the fish flesh is 0.006 millirem per year.

1. A statistical summary of all the data gathered in 2004 has been compiled in Table 3.

2. Radioactivity in environmental samples attributed to plant operations in 2004, 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 2004 were less than reporting levels as defined in HBRSEP ODCM. Table 5 summarizes the reporting levels.

4. Environmental sampling and analyses performed during 2004 demonstrated that the HBRSEP, Unit No. 2 continues to operate with minimum impact on the environment and minimal dose to the general public.

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

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

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

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

Docket Number - 50-261
Calendar Year 2004

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]	6.6E-2	All less than LLD	----------	----------	All less than LLD	0
Air Particulate (pCi/m^3)	Gross Beta 520[3]	3.0E-3	2.24E-2 (468/468) 3.40E-3 - 6.86E-2	Spillway 0.4 mile ESE	2.48E-2 (52/52) 1.56E-2 - 4.17E-2	2.40E-2 (52/52) 1.47E-2 - 3.72E-2	0
	Gamma 40	See Table 6	All less than LLD	----------	----------	All less than LLD	0
Aquatic Vegetation[5] (pCi/g, wet)	Gamma 4	See Table 6	All less than LLD	----------	----------	All less than LLD	0
Broadleaf Vegetation (pCi/g, wet)	Gamma 80[3][4] Cs-137	5.4E-2	4.66E-2 (1/60) Single value	Close to Site Boundary SSE	4.66E-2 (1/60) Single value	7.64E-2 (4/20) 4.35E-2 – 1.39E-1	0
Fish (pCi/g, wet) Bottom-Feeder	Gamma 6 K-40	----------	2.54E+0 (4/4) 2.19E+0 – 2.74E+0	Site varies within Lake Robinson	2.71E+0 (2/2) 2.67E+0 – 2.74E+0	2.86E+0 (2/2) 2.30E+0 – 3.41E+0	0
	Cs-137	1.14E-1	6.41E-2 (1/4) Single value	Site varies within Prestwood Lake	6.41E-2 (1/2) Single value	All less than LLD	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 2004

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 (pCi/g, wet) Free-Swimmer	Gamma 6 K-40	----------	2.24E+0 (4/4) 1.17E+0 – 3.01E+0	Site varies within Prestwood Lake	2.40E+0 (2/2) 2.26E+0 – 2.55E+0	3.02E+0 (2/2) 3.00E+0 – 3.04E+0	0
	Cs-137	1.14E-1	8.35E-2 (1/4) Single value	Site varies within Prestwood Lake	8.35E-2 (1/2) Single value	9.16E-2 (1/2) Single value	0
Ground Water (pCi/l)	Gamma 10	See Table 6	All less than LLD	----------	----------	No control	0
	Tritium 10	3.25E+2 (10/10)[7]	All less than LLD	----------	----------	No control	0

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

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

Docket Number - 50-261
Calendar Year 2004

Medium or Pathway Sampled or Measured (Unit of Measurement)	Type and Total No. of Measurements Performed	Lower Limit of Detection (LLD)[1]	All Indicator Locations Mean Range[2]	Location w/Highest Annual Mean		Control Locations Mean Range[2]	Number of Nonroutine Reported Measurements
				Name, Distance, and Direction	Mean Range[2]		
Food Products (pCi/g, wet)	Gamma 7[3] K-40	----------	2.48E+0 (4/4) 1.78E+0 – 3.57E+0	Site varies from Plant	2.48E+0 (4/4) 1.78E+0 – 3.57E+0	3.12E+0 (3/3) 2.42E+0 – 4.14E+0	0
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 Cs-137	1.2E-1	8.63E-1 (2/3) 4.06E-1 – 1.32E+0	Site varies within Lake Robinson	1.32E+0 (1/1) Single value	2.23E-1 (1/1) Single value	0
	Co-60	----------	4.57E-1 (1/3) Single value	Site varies within Lake Robinson	4.57E-1 (1/1) Single value	All less than LLD	0

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

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

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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 36	See Table 6	All less than LLD	---	---	All less than LLD	0
	Tritium 36	3.25E+2 (33/36)[7] 3.50E+2 (3/36)[8]	2.85E+3 (24/24) 4.86E+2 – 6.17E+3	Black Creek at Old Camden 0.6 miles ESE	3.03E+3 (12/12) 6.69E+2 – 6.17E+3	All less than LLD	0
TLD (mR/qtr)[6]	TLD 160[3]	N/A	1.34E+1 (156/160) 9.60E+0 - 2.19E+1	Pine Cone Road 5.0 miles WSW	1.98E+1 (4/4) 1.85E+1 - 2.13E+1	1.29E+1 (4/4) 1.23E+1 - 1.35E+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. Tritium LLD was lowered to 3.25E+2 pCi/L in June 1996 for samples that typically demonstrate activity less than the LLD (groundwater and surface water control). The LLD was lowered at the request of the plants in order to maintain comparable LLD and result values with the state (N.C. and S.C.) Agencies' laboratories. Other samples that typically exhibit activity greater than the LLD have a tritium Lower Limit of Detection (LLD) of 1.0E+3 pCi/L.

8. The tritium LLD was increased to 3.50E+2 pCi/L for a temporary timeframe due to a problem with the wrong type of glass liquid scintillation vials being used (NCR # 150577).

TABLE 4

Potential Dose Pathways

Sample Media	Radionuclide	Average Concentration and Occurrence	Maximum Individual Dose
Surface Water	H-3	2.85E+3 (pCi/L) (24/24)	0.006 millirem/yr (from fish)

TABLE 5

Reporting Levels for Radioactivity Concentrations

in Environmental Samples

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

INTERPRETATIONS AND CONCLUSIONS

Air Sampling

Air samples collected during 2004 had a mean gross beta activity of 2.24E-2 pCi/m^3 for the indicator stations versus an average concentration of 2.40E-2 pCi/m^3 for the control stations. These data are essentially unchanged from 2003; they are consistent with pre-operational data obtained for the HBRSEP Unit No. 2 (1.40E-1 pCi/ m^3), and reflect the occurrence of naturally occurring radionuclides of the region. The lower current value is primarily due to the reduction of worldwide fallout that was occurring during the pre-operational years. Figures 4 through 12 provide a graphic representation of the gross beta activity at the indicator locations compared to the control location for 2004. 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. The relatively high results shown for a June air sample at Location 3 (Fig. 5) and a July air sample at Location 7 (Fig. 9) are attributed to high uncertainty in counting statistics as a result of very low sample volumes due to power failures. 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 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 2004.

Broadleaf Vegetation

Broadleaf vegetation sampling is accomplished by collecting cherry, dogwood, persimmon, and wax myrtle leaves. Three species of samples, when available, are collected monthly at four locations (one control and three indicator locations at the site boundary selected using historical meteorology with the highest calculated annual average ground level deposition). Broadleaf sampling is conducted since no milk animals are located within a radius of approximately five

miles of the plant and is used to simulate dose to an individual via the milk pathway for compliance purposes.

During 2004, 1 of 60 samples taken from the indicator site demonstrated detectable concentrations of Cs-137 for an average value of 4.66E-2 pCi/g (wet). The control samples had detectable concentrations of Cs-137 in 4 of 20 samples with a mean concentration of 7.64E-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 2004, 1 out of 4 bottom-feeding fish and 1 out of 4 free-swimming fish (indicator sites) demonstrated detectable concentrations of Cs-137 for a single value of 6.41E-2 pCi/g (wet) and 8.35E-2 pCi/g (wet), respectively. The control samples had detectable concentrations of Cs-137 for none of the 2 bottom-feeding fish and 1 out of 2 free-swimming fish (9.16E-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.

Ground Water

No gamma (except for naturally occurring gamma activity) or tritium activity was detected in the ten samples of ground water collected in 2004, which is consistent with the observations in previous years.

Milk

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

Food Products

Food product vegetation samples (from indicator and control locations) were not consistently available during any growing season in 2004, except for a few control location (FP-49) and indicator location (FP-58) food products (collards, cucumbers, potatoes, squash, and tomatoes). No gamma activity associated with plant operation was detected in any control or indicator samples in 2004.

Shoreline Sediment

In 2004, 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 2004.

Bottom Sediment

Cs-137 activity was detectable in 2 of the 3 indicator bottom sediment samples in 2004, with a mean concentration of 8.63E-1 pCi/g (dry). The control sample had detectable concentrations of Cs-137 (2.23E-1 pCi/g (dry)). Co-60 (Cobalt-60) activity was detectable in 1 of the 3 indicator samples (4.57E-1 pCi/g (dry)) in 2004. No other gamma activity, except for naturally occurring gamma activity, was detected in the annual bottom sediment samples. Bottom sediment is not considered a dose pathway, but is sampled as an indicator of any long term buildup of plant related activity in Lake Robinson. The observed levels of Cs-137 and Co-60 are comparable to levels detected in previous years and hence do not indicate any long term buildup.

Aquatic Vegetation

In 2004, no gamma activity, except for naturally occurring gamma activity, was detected in the annual aquatic vegetation samples.

Surface Water

Surface waters of Lake Robinson indicated the presence of tritium which is attributed to plant operation. See Figure 13 which displays the tritium activity throughout 2004. These surface waters do not supply drinking water at any downstream location and are not used for irrigation. Therefore, radiological dose via this pathway is limited to the consumption of fish from Lake Robinson. Using the methodology of Regulatory Guide 1.109, Equation A-1, (below) a dose of 0.006 millirem/year to the maximum exposed individual could be assigned to this pathway.

Equation A-1

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

where:

R_{aipj} = total body dose in mrem/yr due to H-3

C_{ip} = concentration of nuclide (H-3) in pCi/kg = pCi/l

U_{ap} = maximum exposed individual's consumption (Reg. Guide 1.109, Table E-5) (46 lbs. of fish per year = 21 kg of fish/yr.)

D_{aipj} = ingestion dose factor for total body of individual (adult) in U_{ap} in mrem/pCi (Reg. Guide 1.109 Table E-12)

The monthly composite gamma analyses for surface water samples revealed no radionuclides typical of plant effluents.

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 5 miles. The expectation would be that if a plant effect existed, the inner ring dose measurements would exceed those made in the outer ring. This condition was not observed since the outer ring was slightly higher than the inner; therefore, any direct radiation dose to the off-site population was determined to be insignificant (Figure 14).

Asiatic Clams

Benthic samples from Lake Robinson during 2004 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 2004.

Missed Surveillances:

- APAC-3, February 9 - Down time greater than 30 hours due to a blown fuse (NCR # 117273).
- APAC-5, March 8 - Down time greater than 30 hours due to a blown fuse (NCR # 120702).
- AP-5, March 29 - Particulate filter inadvertently not changed out during weekly sample change and the blank particulate filter was sent for analysis; therefore, low gross beta activity was observed (NCR # 124221).
- APAC-4, April 5 - Air sampler was found not running and the plug was not completely in the outlet (NCR # 123680).
- AP-5, April 5 - Particulate filter inadvertently not changed out during weekly sample change (collected sample for two weeks instead of one week) and the particulate filter was sent for analysis (NCR # 124221).
- APAC-3, June 15 - Down time greater than 30 hours due to a tripped breaker during a lightning storm (NCR # 129646).
- APAC-7, July 6 - Down time greater than 30 hours due to the fuse burned in half (NCR # 131308).
- APAC-3, August 10 - Down time greater than 30 hours due to a blown fuse (NCR # 134473).
- APAC-3, November 9 - Down time greater than 30 hours due to equipment failure (Carbon vanes were locked up) (NCR # 143612).

- APAC-3, November 15 - Down time greater than 30 hours due to the carbon vanes. The carbon vanes were replaced (NCR # 143876)

Broadleaf Vegetation

Broadleaf vegetation (BL) samples were not available during the months of January, February, March, October, November, and December of 2004 due to the seasonal nature of broadleaf vegetation (NCR # 116243, 119231, 122756, 142354, and 151226).

Food Products

Food product vegetation samples (from indicator and control locations) were not available during any growing season in 2004. The individuals' gardens did not produce a volume that could support their family and be sampled by HBRSEP. However, during July and October of 2004, five types of food products were available from either the control location (FP-49) or from food product location 58 (FP-58, site varies from the plant).

Surface Water

Surface water (SW-40) samples are collected weekly from continuous samplers; but on May 24, 2004 the water sampler was discovered to have collected half of the normal sample volume for the week. The keypad on the pump controller was found to be defective and none of the spare parts on hand would work (NCR # 127965). Also; on October 25, 2004 the water sampler was found not working; therefore, the water sample was not being sampled throughout the weekly surveillance period (NCR # 142677).

Thermoluminescent Dosimeters (TLDs)

Four of a possible 164 TLD samples were missing during 2004.

First Quarter: TLD # 15 and the holder were missing in the field from the transmission pole due to possible vandalism. To try and prevent reoccurrence, the

holder with the TLD was more discretely placed to avoid being seen as easily by people who may be in the area (NCR # 123521).

Second Quarter: TLDs # 12, 15, and 38 were missing in the field possibly due to vandalism. The TLDs were placed on a different tree branch or more hidden in the same location so as not to change the sample location description (NCR # 131563).

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 3.0E-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 for a minimum of 60 minutes to achieve a maximum LLD of approximately 1.0E+3 pCi/L for samples that typically exhibit activity greater than the LLD. Samples that typically demonstrate activity less that the LLD are typically counted for 150 minutes. The lower LLD (3.25E+2 pCi/L) was established to maintain comparable LLD and result values with the State Agencies reportable concentrations in the Split Sample Program Report. The change to a lower LLD was a result of a request from the plants (see Footnotes to Table 3, Number 7). The LLD was increased to 3.50E+2 pCi/L in December 2004 for a temporary timeframe due to a problem with the wrong type of glass liquid scintillation vials being used (NCR # 150577).

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 500 seconds individually with an approximate LLD of 6.6E-2 pCi/m^3.

Gamma Spectrometry

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

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

Liquid samples are boiled down to reduce the volume, transferred to a PB-50 beaker, and are typically analyzed directly for 7,000 seconds for groundwater and 40,000 seconds for surface water samples.

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

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

Fish samples are cleaned, dressed (raw edible portions), and placed in a 1-liter Marinelli beaker for 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 Analytics, Inc., Environmental Cross Check Program and uses its performance in this program as a major determinant of the accuracy and precision of its analytical results.

During 2004, 113 analyses were completed on 18 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 113 analyses have been received from Analytics, Inc. The results were compared to the criteria established in the NRC Inspection Manual (Procedure 84750) for Radioactive Waste Treatment, Effluent, and Environmental monitoring.

All of the 113 analyses were within the acceptance criteria, except for two gross beta results which fell outside the acceptable criteria (NCR # 155953). Any results that lie outside the ratio criteria will have an evaluation performed to identify any recommended remedial actions and to reduce anomalous errors. Complete documentation of any evaluation will be available and provided to the NRC upon request.

Lower Limits of Detection

The samples analyzed met the "a priori" LLD required by the ODCM, except for AC-5 March 8, 2004 and AC-7 July 6, 2004 due to missed surveillance periods. They exceeded the I-131 "a priori" LLD Limit (7.0E-2 pCi/m^3), but no I-131 activity was identified (NCR # 120702 and # 131308). 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	2 / 5
Co-58	2 / 11
Fe-59	4 / 17
Co-60	2 / 12
Zn-65	3 / 18
Zr-Nb-95	3 - 3 / 13 - 8
I-131	7 / 7
Cs-134	2 / 9
Cs-137	1 / 7
Ba-La-140	16 - 7 / 32 - 13
Air Particulates (Quarterly Composite)	
Isotope	**LLD (pCi/m^3)**
Cs-134	0.003
Cs-137	0.003

Table 6 (cont.)

Sediments (Shoreline or Bottom)	
Isotope	**LLD (pCi/kg, dry)**
Cs-134	147
Cs-137	120
Fish	
Isotope	**LLD (pCi/kg, wet)**
Mn-54	96
Co-58	102
Fe-59	238
Co-60	127
Zn-65	256
Cs-134	128
Cs-137	114
Food Products and Vegetation / Aquatic	
Isotope	**LLD (pCi/kg, wet)**
I-131	42 / 40
Cs-134	47 / 26
Cs-137	54 / 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 once per 24 months during the growing season. This information is used for dose assessment and to identify changes to the stations sampled and the type of samples. These results ensure that the Radiological Environmental Monitoring Program (REMP) is based upon current data regarding human activity in the vicinity of the plant. Therefore, the purpose of the land use census is both to ensure the monitoring program is current, as well as provide data for the calculation of estimated radiation exposure.

The pathways that are evaluated are:

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

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

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

Methodology

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

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

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

Land Use Census Results

There was no Land Use Census performed in 2003. The 2004 and 2002 results of the survey for the nearest resident, garden, milk producing animal, and meat/egg producing animal for each meteorological sector are compared in Table 7.

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

TABLE 7

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

LAND USE CENSUS COMPARISONS (2002-2004)
NEAREST PATHWAY (MILES)

SECTOR	RESIDENT		GARDEN		MEAT/ EGG		MILK	
	2004	2002	2004	2002	2004	2002	2004	2002
N	2.8*	2.8	3.3*	3.8	3.3	3.3	---	---
NNE	1.5	1.5	2.1*	1.9	4.3*	1.7	---	---
NE	1.0	1.0	2.6*	1.7	2.8*	1.8	---	---
ENE	0.8	0.8	1.1*	1.1	2.4*	2.3	---	---
E	0.9	0.9	0.8*	1.1	---	---	---	---
ESE	0.6	0.6	0.7	0.7	0.7	0.7	---	---
SE	0.4	0.4	1.9	1.9	2.0*	1.9	---	---
SSE	0.4	0.4	2.4	2.4	2.4	2.4	---	---
S	0.4	0.4	0.5*	1.5	2.6*	0.5	---	---
SSW	0.4	0.4	0.8	0.8	0.9*	0.9	---	---
SW	0.5	0.5	1.0	1.0	3.5*	1.5	---	---
WSW	0.5	0.5	0.6*	0.7	0.6	0.6	---	---
W	0.5*	0.6	0.5*	0.6	0.8	0.8	---	---
WNW	0.6	0.6	0.7	0.7	4.3	4.3	---	---
NW	1.6	1.6	2.0	2.0	2.0	2.0	---	---
NNW	2.0*	2.0	3.5*	2.8	---	---	---	---

*Changes from 2002.

Figure 4 For HBRSEP From 1/1/2004 To 12/31/2004

AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)

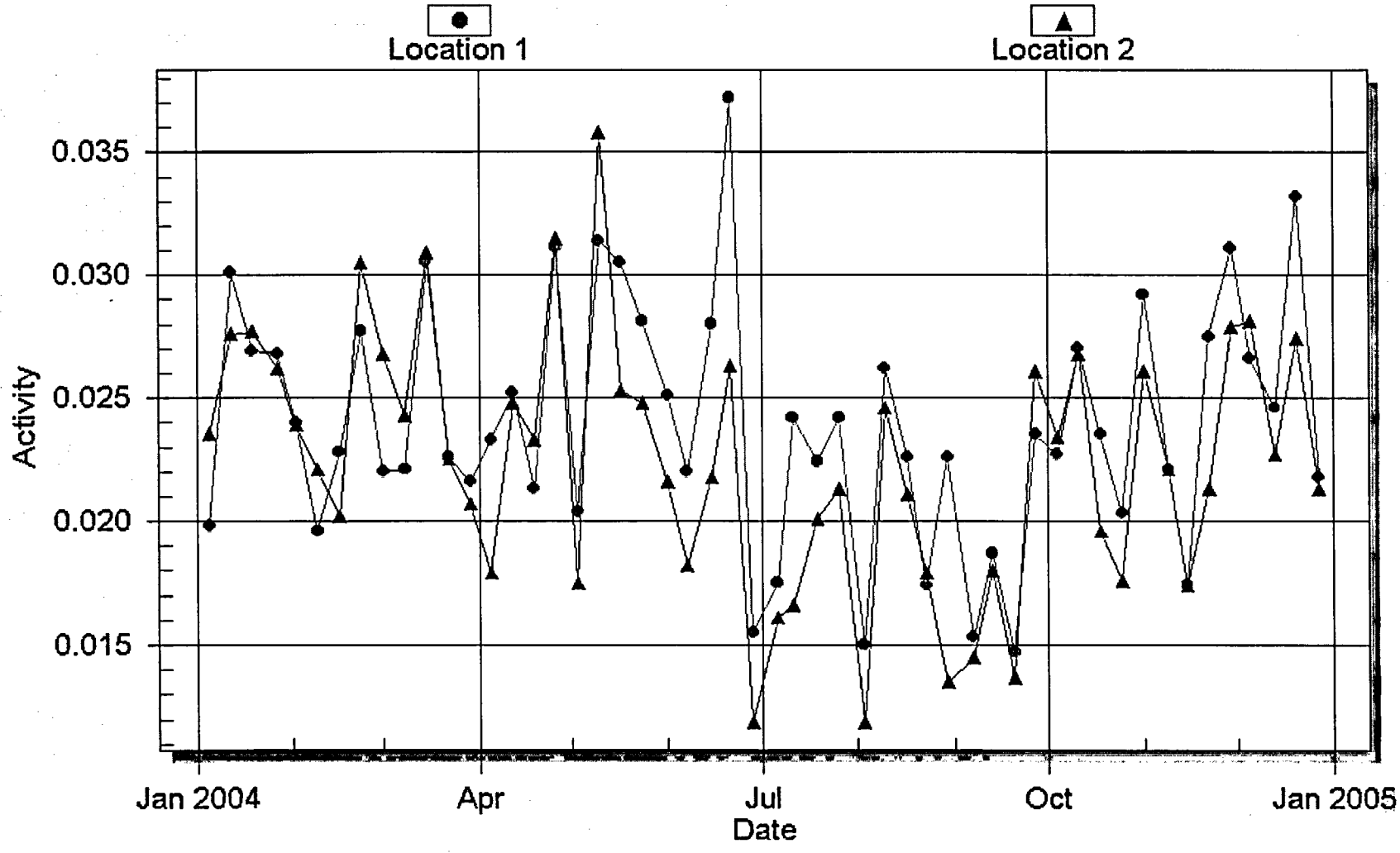


Figure 5 For HBRSEP From 1/1/2004 To 12/31/2004

AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)

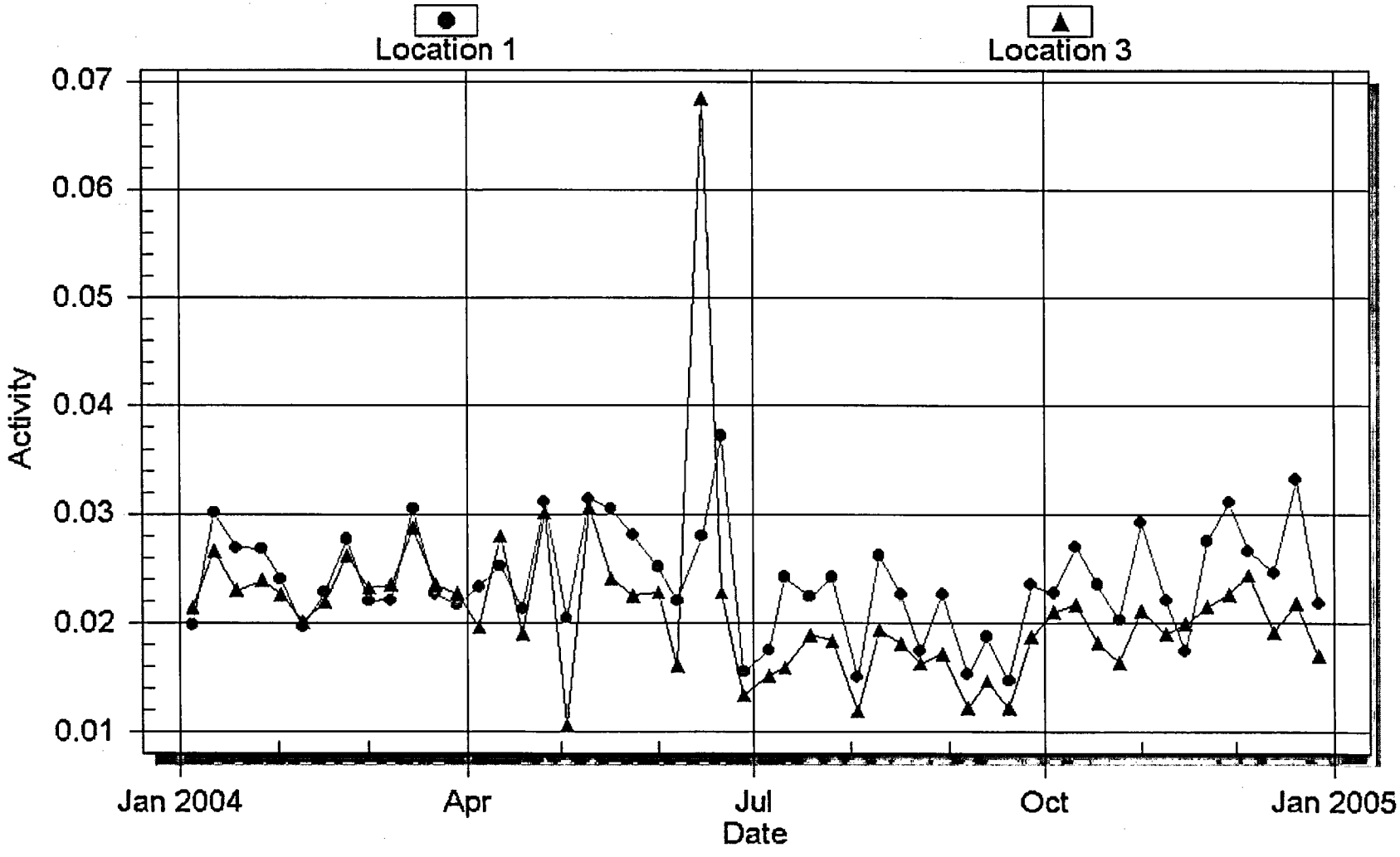


Figure 6 For HBRSEP From 1/1/2004 To 12/31/2004

AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)

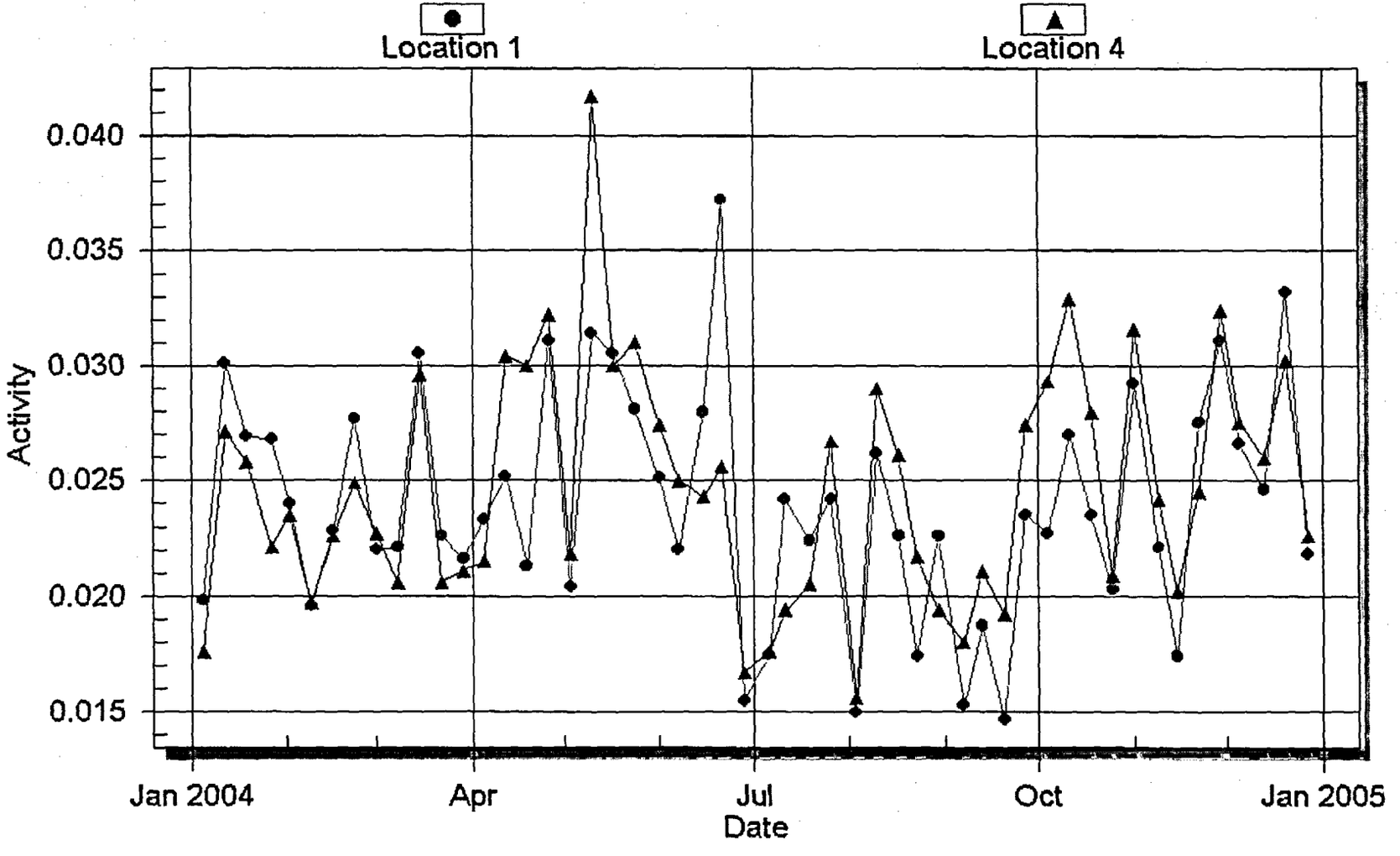


Figure 7 For HBRSEP From 1/1/2004 To 12/31/2004

AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)

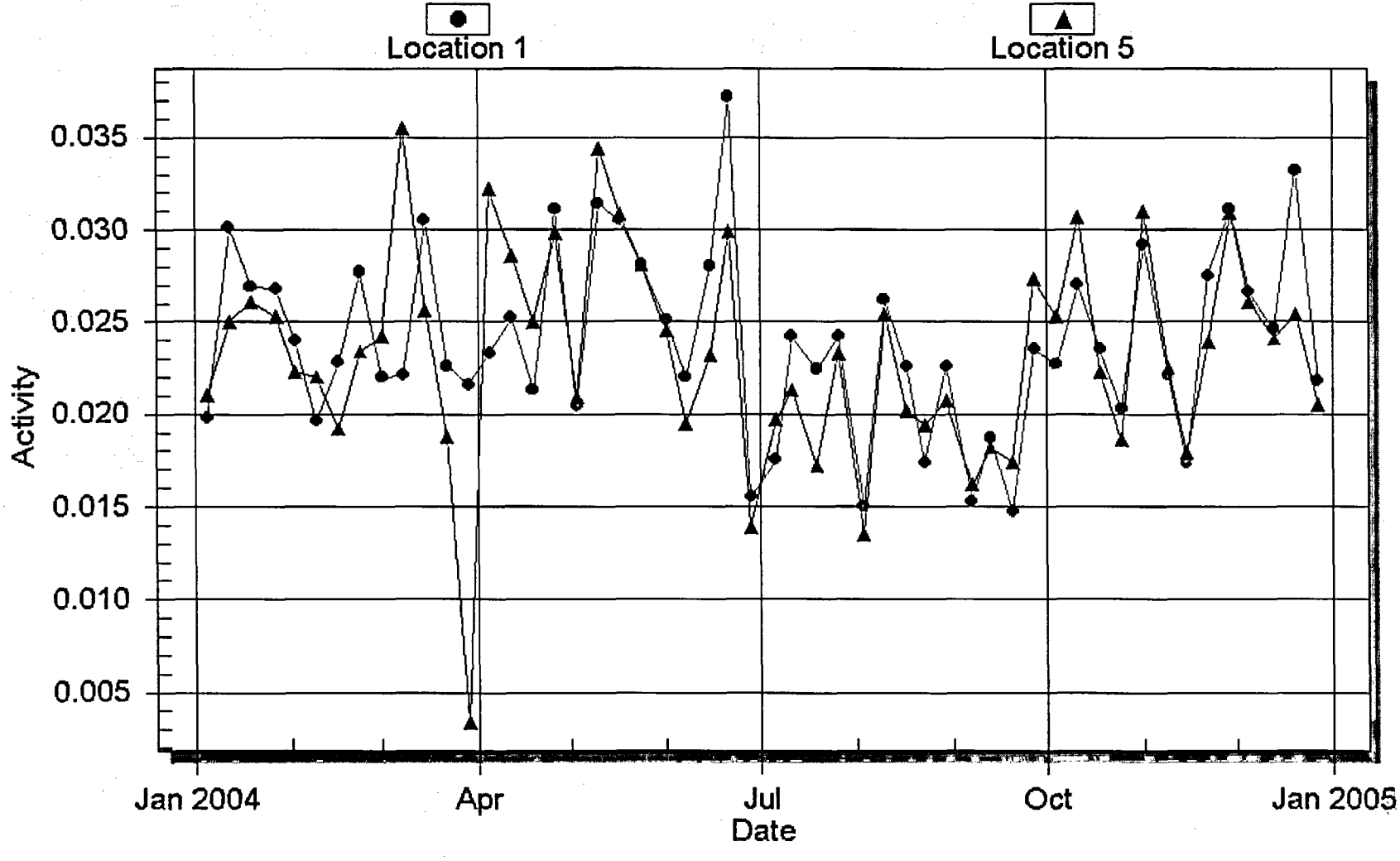


Figure 8 For HBRSEP From 1/1/2004 To 12/31/2004

AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)

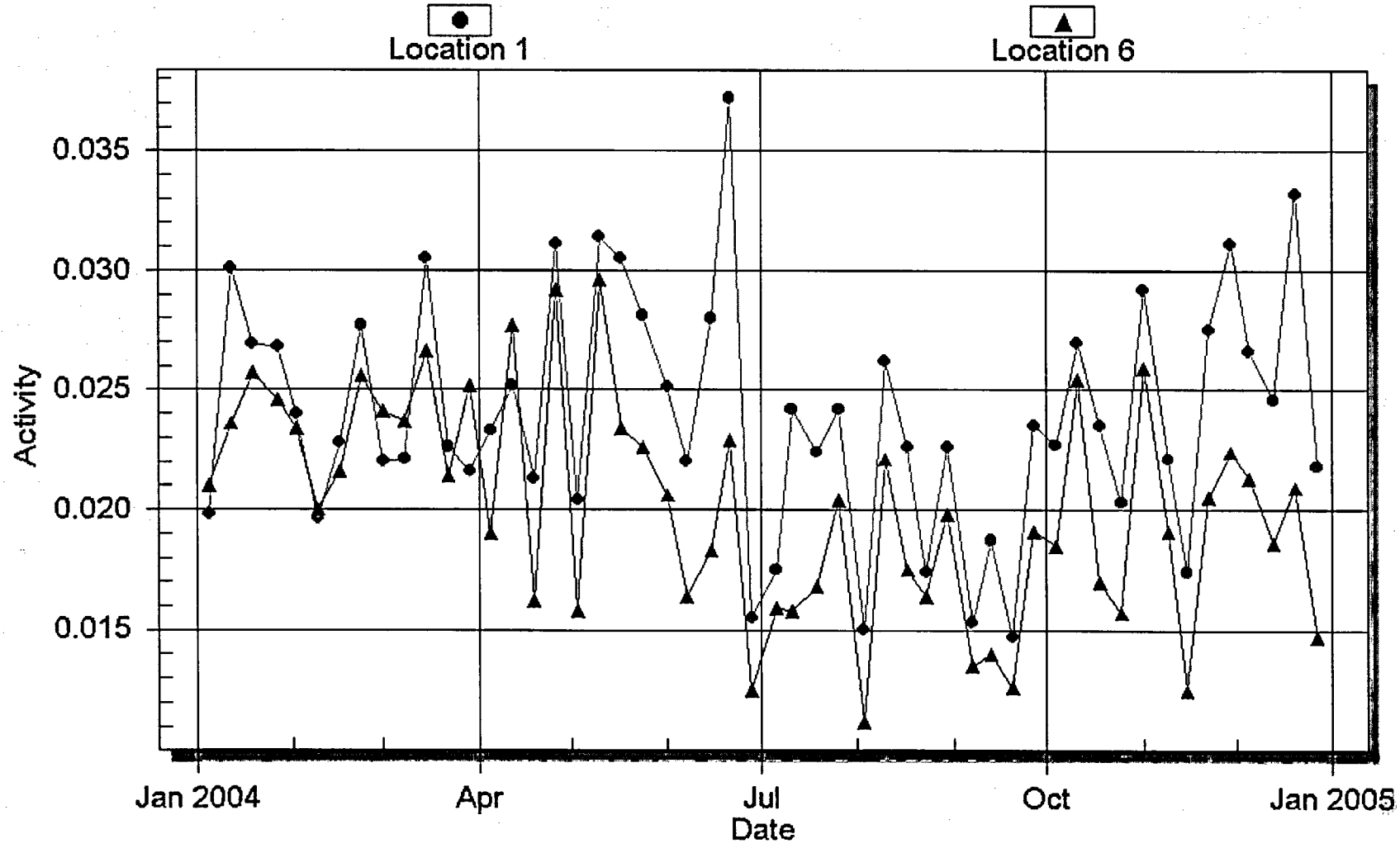


Figure 9 For HBRSEP From 1/1/2004 To 12/31/2004

AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)

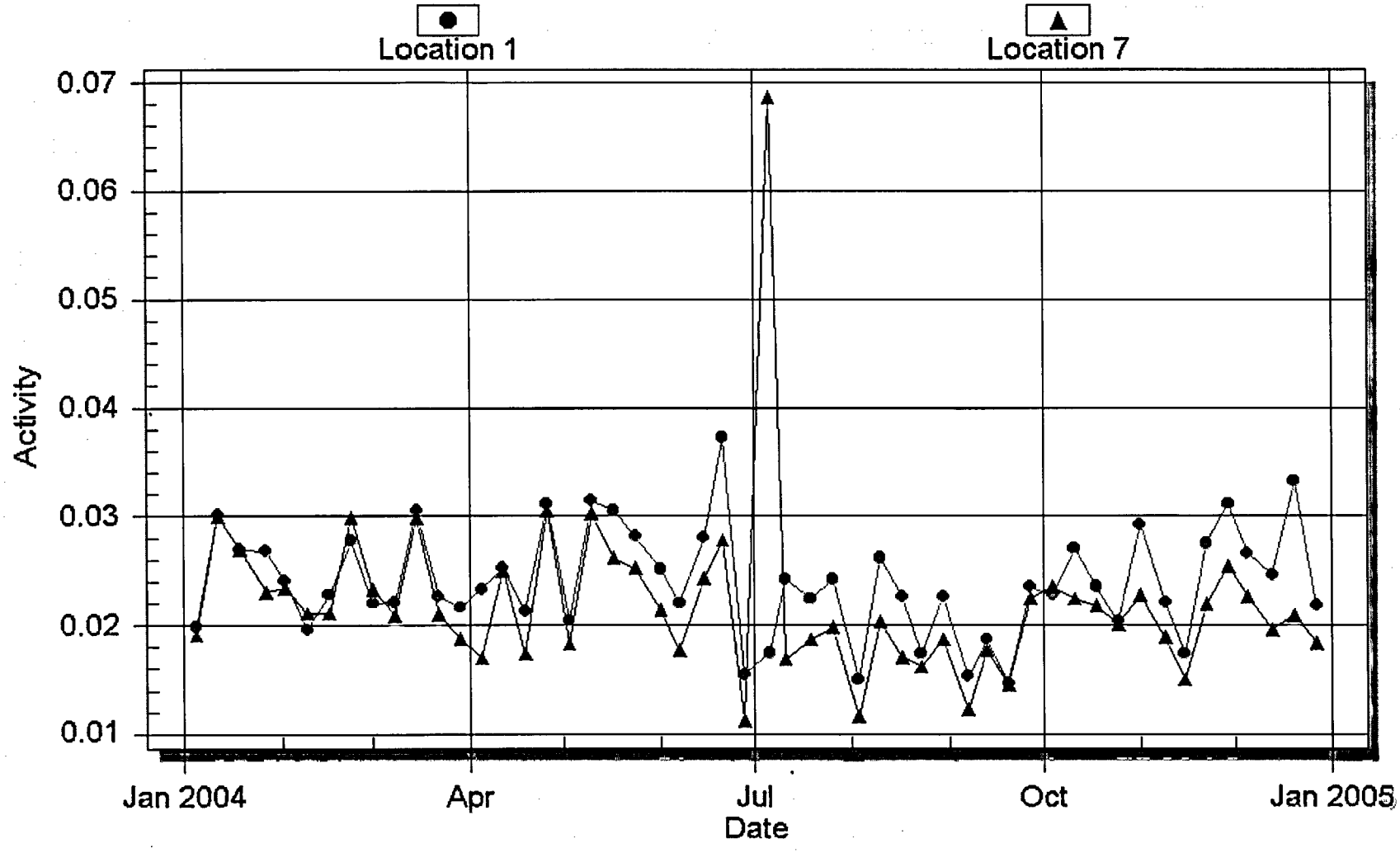


Figure 10 For HBRSEP From 1/1/2004 To 12/31/2004

AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)

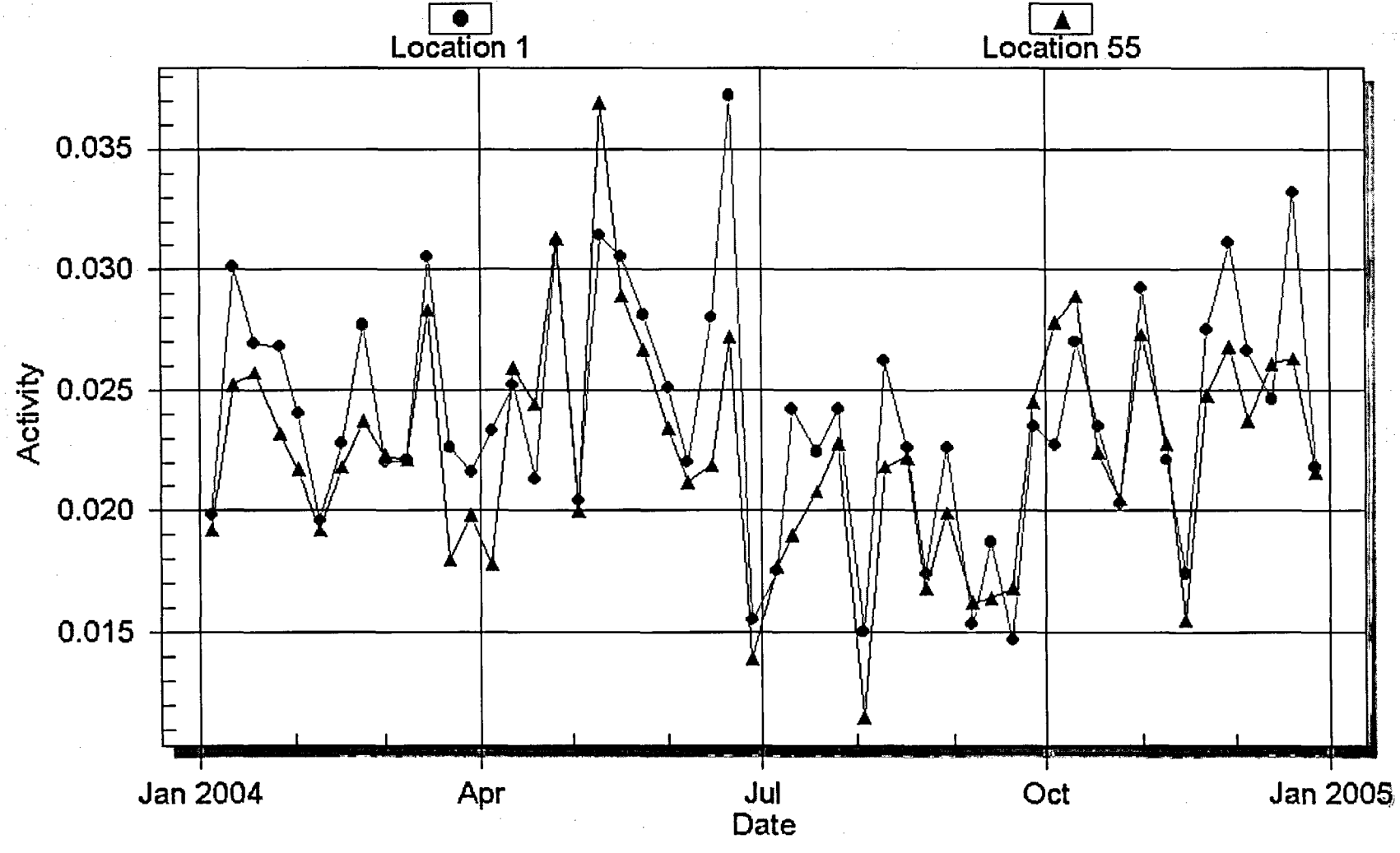


Figure 11 For HBRSEP From 1/1/2004 To 12/31/2004

AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)

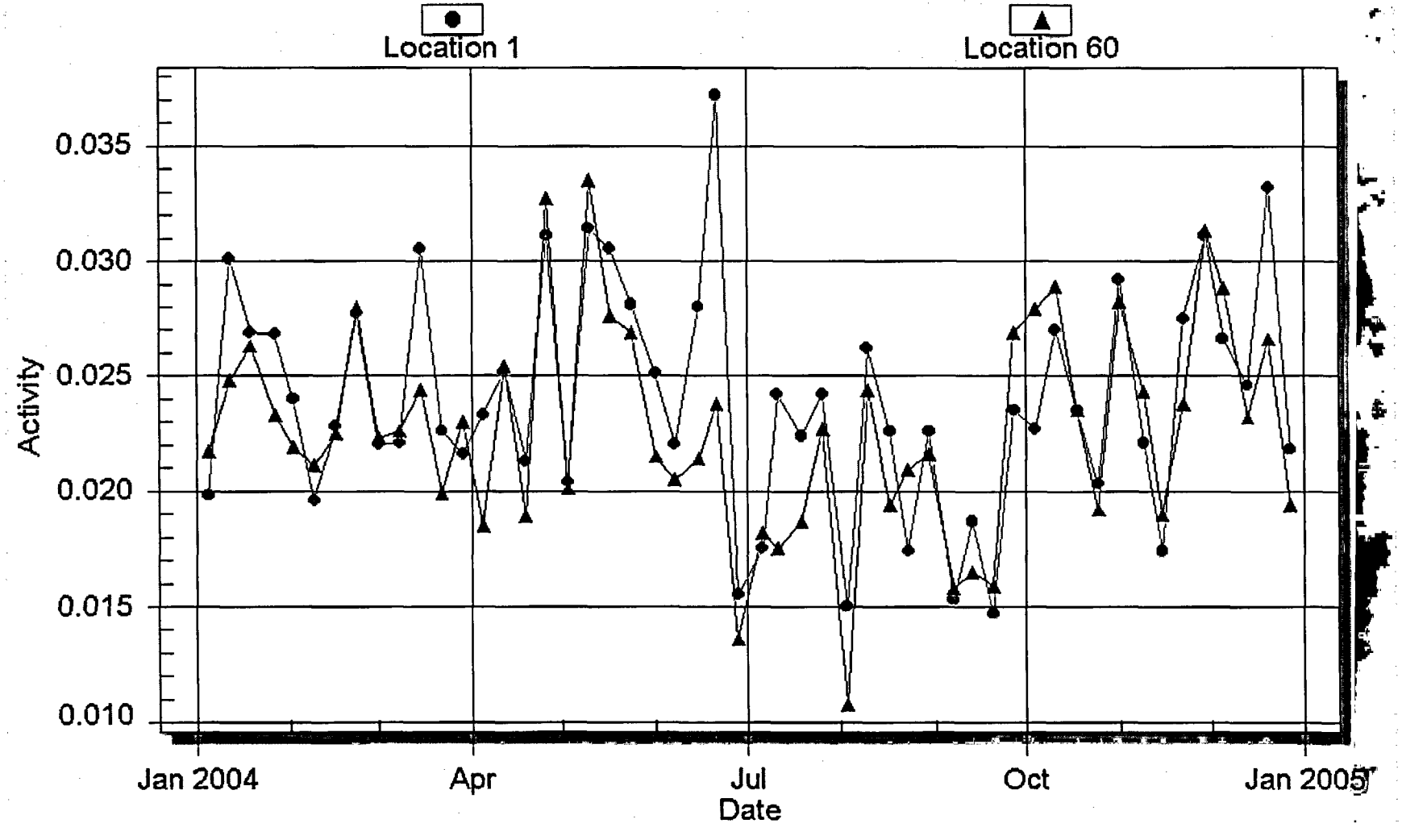


Figure 12 For HBRSEP From 1/1/2004 To 12/31/2004

AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)

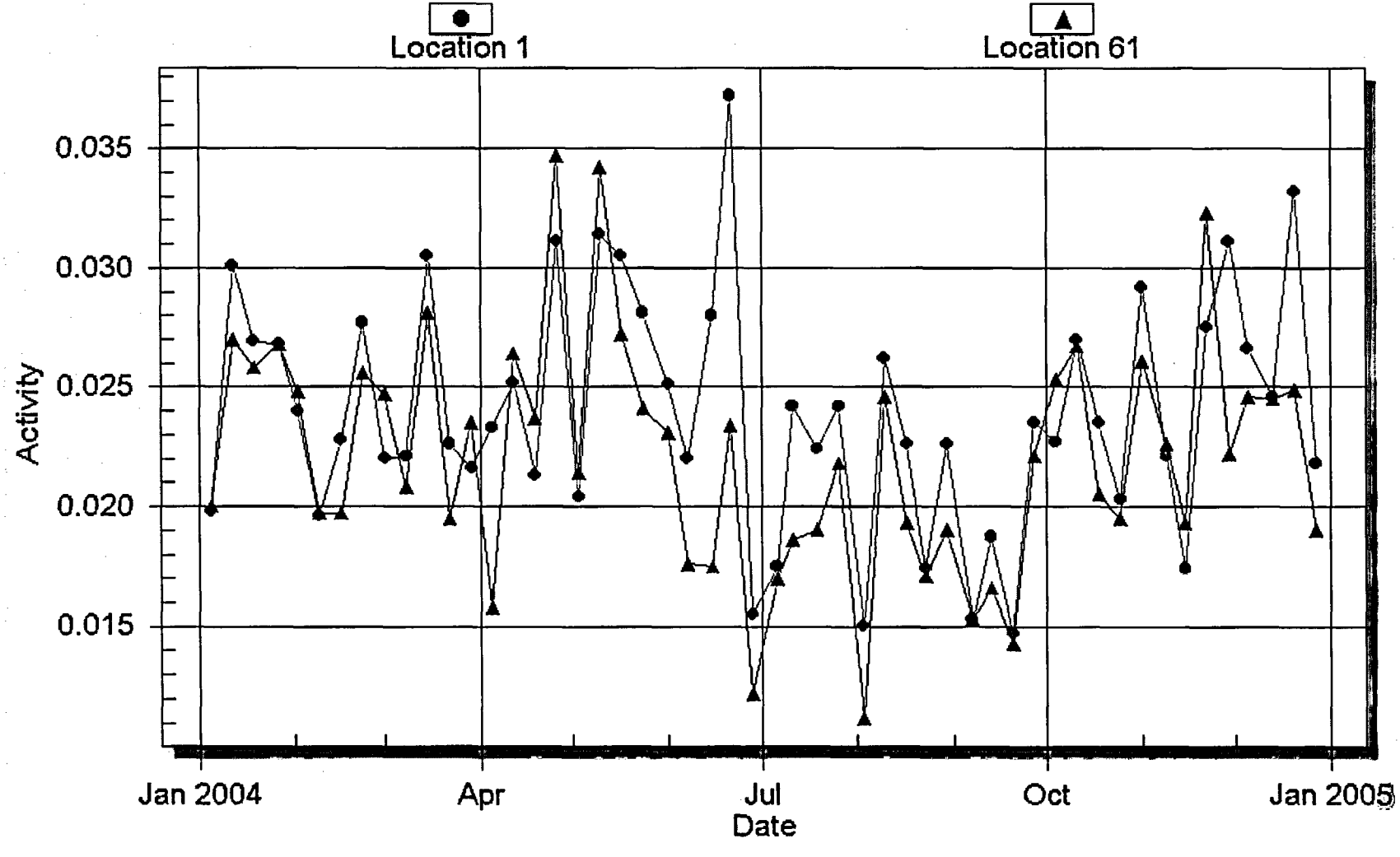


Figure 13 RNP 2004
Surface Water Tritium

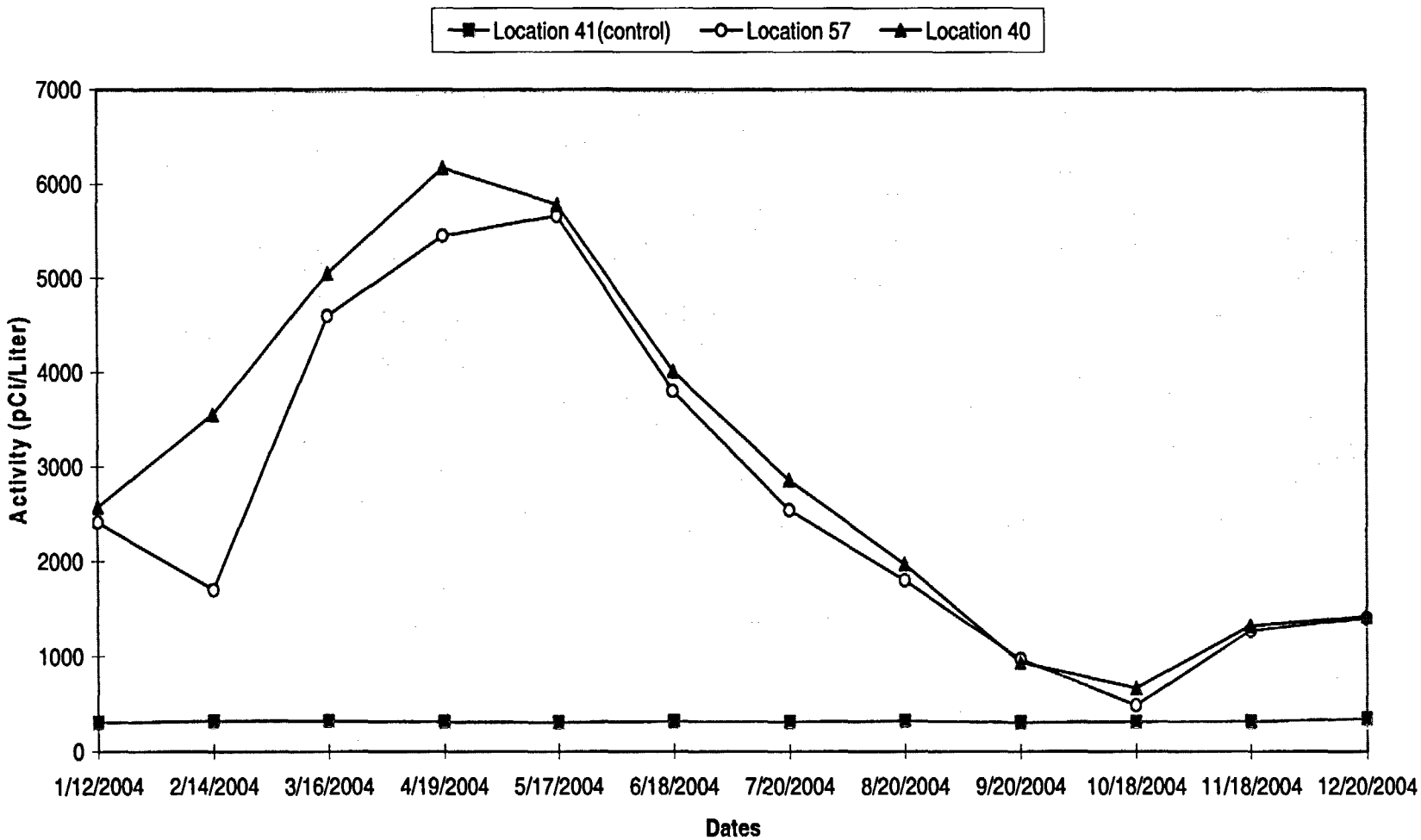
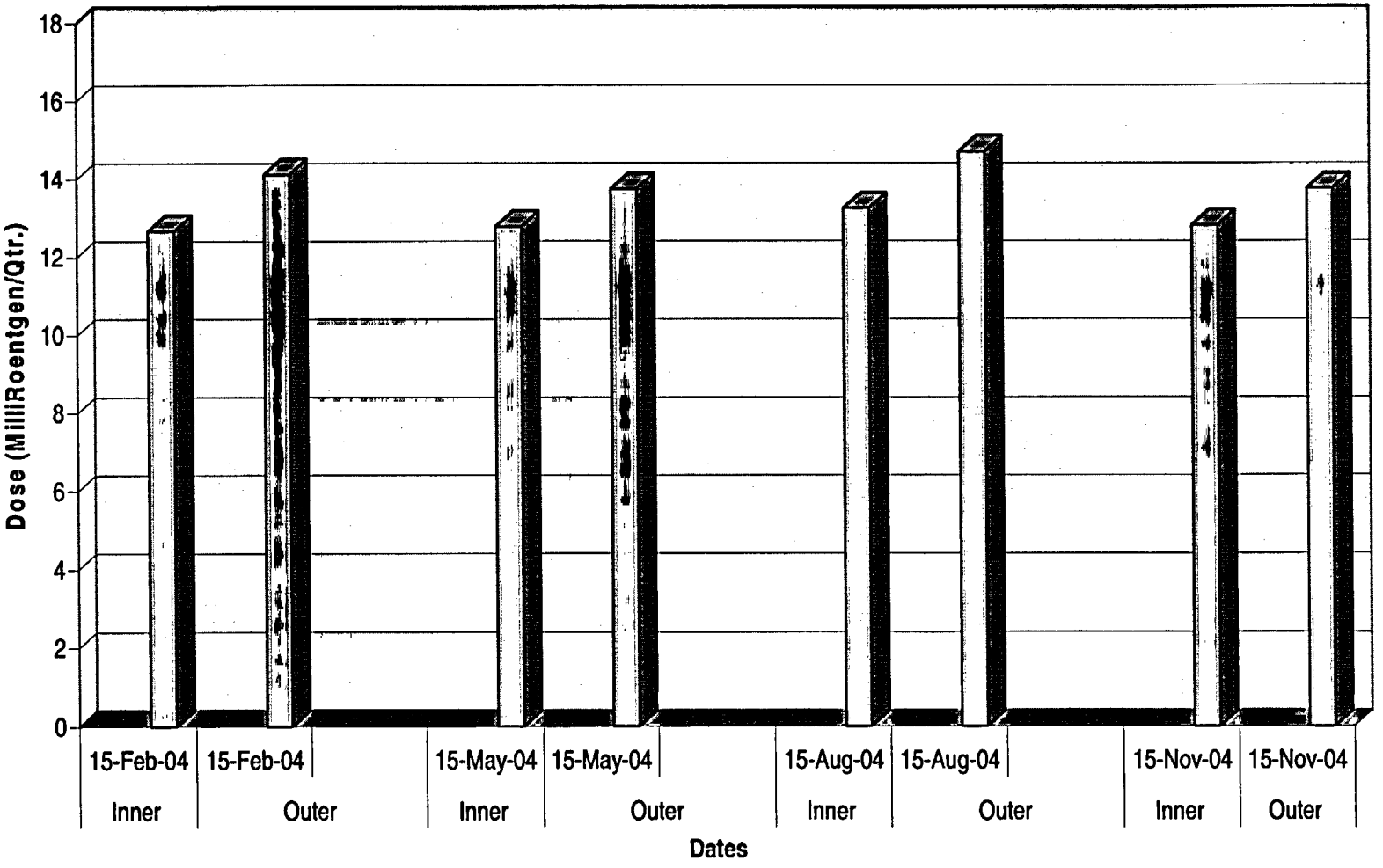


Figure 14 RNP 2004 TLD Averages for Inner and Outer Ring Locations



REPORT DATA FOR HBRSEP (RNP)

TLD Report
- 8 pages

Analysis Report
- 45 pages

Gamma Isotopic Report
- 48 pages

2004 HBRSEP (RNP)

Radiological Environmental Monitoring
TLD Report

Comments

- All RNP Environmental TLDs were present in 2004, except for the following TLDs:
  - TLD # 15 First Quarter of 2004
  - TLDs # 12, 15, and 38 Second Quarter of 2004

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	2/15/2004	13.2	2.2
1	24.4 MI ESE - FLORENCE - CONTROL	5/15/2004	12.8	1
1	24.4 MI ESE - FLORENCE - CONTROL	8/15/2004	13.5	1.7
1	24.4 MI ESE - FLORENCE - CONTROL	11/15/2004	12.3	1.3
2	0.2 MI S - INFORMATION CENTER	2/15/2004	12.4	2.2
2	0.2 MI S - INFORMATION CENTER	5/15/2004	11.6	0.7
2	0.2 MI S - INFORMATION CENTER	8/15/2004	12.3	2.1
2	0.2 MI S - INFORMATION CENTER	11/15/2004	11.7	1.5
3	0.5 MI N - MICROWAVE TOWER	2/15/2004	13.8	2.2
3	0.5 MI N - MICROWAVE TOWER	5/15/2004	13.9	0.8
3	0.5 MI N - MICROWAVE TOWER	8/15/2004	14.7	1.6
3	0.5 MI N - MICROWAVE TOWER	11/15/2004	13.8	2.2
4	0.4 MI ESE - SPILLWAY	2/15/2004	11.2	2.2
4	0.4 MI ESE - SPILLWAY	5/15/2004	12.3	0.5
4	0.4 MI ESE - SPILLWAY	8/15/2004	12.2	1.7
4	0.4 MI ESE - SPILLWAY	11/15/2004	12.6	1.5
5	0.9 MI ENE - NEAR JOHNSONS LANDING	2/15/2004	15.3	2.3
5	0.9 MI ENE - NEAR JOHNSONS LANDING	5/15/2004	13.3	0.7
5	0.9 MI ENE - NEAR JOHNSONS LANDING	8/15/2004	15.4	1.9
5	0.9 MI ENE - NEAR JOHNSONS LANDING	11/15/2004	12.3	1.2
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/15/2004	12.5	2.2
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/15/2004	13	1.1

Dose: mR/std. qtr.

TLD	TLD Location Description	Sample Date	Dose	2 Sigma Error
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/15/2004	12.8	1.6
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/15/2004	12.4	1.5
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVILLE	2/15/2004	13.9	2.7
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVILLE	5/15/2004	11.8	1.3
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVILLE	8/15/2004	14.8	1.8
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVILLE	11/15/2004	11.4	2.2
8	0.8 MI SSE - TRANSMISSION RIGHT-OF-WAY	2/15/2004	10.4	2.3
8	0.8 MI SSE - TRANSMISSION RIGHT-OF-WAY	5/15/2004	10.1	0.5
8	0.8 MI SSE - TRANSMISSION RIGHT-OF-WAY	8/15/2004	11.1	1.9
8	0.8 MI SSE - TRANSMISSION RIGHT-OF-WAY	11/15/2004	10.2	1.3
9	1.0 MI S - TRANSMISSION RIGHT-OF-WAY	2/15/2004	10.9	2.9
9	1.0 MI S - TRANSMISSION RIGHT-OF-WAY	5/15/2004	10.9	0.8
9	1.0 MI S - TRANSMISSION RIGHT-OF-WAY	8/15/2004	11.2	1.6
9	1.0 MI S - TRANSMISSION RIGHT-OF-WAY	11/15/2004	11	1.2
10	1.0 MI WSW - CLYDE CHURCH OF GOD	2/15/2004	10.8	2.8
10	1.0 MI WSW - CLYDE CHURCH OF GOD	5/15/2004	12.2	1.3
10	1.0 MI WSW - CLYDE CHURCH OF GOD	8/15/2004	11.8	1.8
10	1.0 MI WSW - CLYDE CHURCH OF GOD	11/15/2004	12.3	1.4
11	1.0 MI SW - OLD CAMDEN RD	2/15/2004	9.9	2.1
11	1.0 MI SW - OLD CAMDEN RD	5/15/2004	10.3	0.5
11	1.0 MI SW - OLD CAMDEN RD	8/15/2004	10.3	1.7
11	1.0 MI SW - OLD CAMDEN RD	11/15/2004	10.8	1.1
12	1.2 MI SSW-OFF OF OLD CAMDEN RD	2/15/2004	13.4	2.1
12	1.2 MI SSW-OFF OF OLD CAMDEN RD	8/15/2004	14.5	2.2

Dose: mR/std. qtr.

TLD	TLD Location Description	Sample Date	Dose	2 Sigma Error
12	1.2 MI SSW-OFF OF OLD CAMDEN RD	11/15/2004	14.6	1.9
13	0.7 MI W- CORNER OF SALUDA AND SAMPIT RDS	2/15/2004	13	2.2
13	0.7 MI W- CORNER OF SALUDA AND SAMPIT RDS	5/15/2004	11.8	0.6
13	0.7 MI W- CORNER OF SALUDA AND SAMPIT RDS	8/15/2004	13.1	1.9
13	0.7 MI W- CORNER OF SALUDA AND SAMPIT RDS	11/15/2004	11.4	1.1
14	0.8 MI WNW - FIRST BAPTIST CHURCH OF PINE RIDGE	2/15/2004	15.2	2.2
14	0.8 MI WNW - FIRST BAPTIST CHURCH OF PINE RIDGE	5/15/2004	14.2	0.7
14	0.8 MI WNW - FIRST BAPTIST CHURCH OF PINE RIDGE	8/15/2004	15	2.1
14	0.8 MI WNW - FIRST BAPTIST CHURCH OF PINE RIDGE	11/15/2004	14.3	1.1
15	0.7 MI NW - TRANSMISSION RIGHT-OF-WAY	8/15/2004	11.4	1.6
15	0.7 MI NW - TRANSMISSION RIGHT-OF-WAY	11/15/2004	12.4	1.7
16	1.0 MI NNW - SOUTH SIDE OF DARLINGTON CO. IC TURBI	2/15/2004	11.7	2.2
16	1.0 MI NNW - SOUTH SIDE OF DARLINGTON CO. IC TURBI	5/15/2004	12.1	0.6
16	1.0 MI NNW - SOUTH SIDE OF DARLINGTON CO. IC TURBI	8/15/2004	12.5	1.6
16	1.0 MI NNW - SOUTH SIDE OF DARLINGTON CO. IC TURBI	11/15/2004	12.6	1.2
17	1.2 MI N - DARLINGTON CO. PLANT EMERGENCY FIRE PU	2/15/2004	11.3	2.2
17	1.2 MI N - DARLINGTON CO. PLANT EMERGENCY FIRE PU	5/15/2004	12.9	1.3
17	1.2 MI N - DARLINGTON CO. PLANT EMERGENCY FIRE PU	8/15/2004	12.1	1.7
17	1.2 MI N - DARLINGTON CO. PLANT EMERGENCY FIRE PU	11/15/2004	14.7	2.4
18	0.7 MI SE - NEAR OLD BLACK CREEK RR TRESTLE	2/15/2004	13.5	3.1
18	0.7 MI SE - NEAR OLD BLACK CREEK RR TRESTLE	5/15/2004	18.6	2.1
18	0.7 MI SE - NEAR OLD BLACK CREEK RR TRESTLE	8/15/2004	17.5	1.7
18	0.7 MI SE - NEAR OLD BLACK CREEK RR TRESTLE	11/15/2004	17.7	2.8
19	1.0 MI E - OLD CAMDEN RD (#S-16-23)	2/15/2004	11.8	2.3

Dose: mR/std. qtr.

TLD	TLD Location Description	Sample Date	Dose	2 Sigma Error
19	1.0 MI E - OLD CAMDEN RD (#S-16-23)	5/15/2004	12.3	1.3
19	1.0 MI E - OLD CAMDEN RD (#S-16-23)	8/15/2004	12.9	1.6
19	1.0 MI E - OLD CAMDEN RD (#S-16-23)	11/15/2004	12.3	1.4
20	1.0 MI ENE - NEW MARKET RD (#S-16-39)	2/15/2004	14.5	2.3
20	1.0 MI ENE - NEW MARKET RD (#S-16-39)	5/15/2004	12.6	0.5
20	1.0 MI ENE - NEW MARKET RD (#S-16-39)	8/15/2004	15.1	1.8
20	1.0 MI ENE - NEW MARKET RD (#S-16-39)	11/15/2004	12.2	1.4
21	1.4 MI NE - NEW MARKET RD (#S-16-39)	2/15/2004	14	2.1
21	1.4 MI NE - NEW MARKET RD (#S-16-39)	5/15/2004	12.2	1.1
21	1.4 MI NE - NEW MARKET RD (#S-16-39)	8/15/2004	13.9	1.6
21	1.4 MI NE - NEW MARKET RD (#S-16-39)	11/15/2004	11.9	1.1
22	1.7 MI NNE - SHADY REST ENTRANCE OFF OF CLOVERDA	2/15/2004	11.1	2.3
22	1.7 MI NNE - SHADY REST ENTRANCE OFF OF CLOVERDA	5/15/2004	11.9	0.7
22	1.7 MI NNE - SHADY REST ENTRANCE OFF OF CLOVERDA	8/15/2004	11.5	1.6
22	1.7 MI NNE - SHADY REST ENTRANCE OFF OF CLOVERDA	11/15/2004	12.1	1.3
23	1.0 MI ESE - NEW MARKET RD (#S-16-39)	2/15/2004	14.4	2.3
23	1.0 MI ESE - NEW MARKET RD (#S-16-39)	5/15/2004	14.8	1.2
23	1.0 MI ESE - NEW MARKET RD (#S-16-39)	8/15/2004	14.7	2
23	1.0 MI ESE - NEW MARKET RD (#S-16-39)	11/15/2004	14.5	2.8
24	4.6 MI NW - SOWELL RD (#S-13-711)	2/15/2004	14.6	2.3
24	4.6 MI NW - SOWELL RD (#S-13-711)	5/15/2004	16.1	0.8
24	4.6 MI NW - SOWELL RD (#S-13-711)	8/15/2004	15.5	2.1
24	4.6 MI NW - SOWELL RD (#S-13-711)	11/15/2004	15	1.8
25	4.0 MI NNW - LAKE ROBINSON RD (#S-13-346)	2/15/2004	14.7	2.8

Dose: mR/std. qtr.

TLD	TLD Location Description	Sample Date	Dose	2 Sigma Error
25	4.0 MI NNW - LAKE ROBINSON RD (#S-13-346)	5/15/2004	13	1.2
25	4.0 MI NNW - LAKE ROBINSON RD (#S-13-346)	8/15/2004	16.1	1.6
25	4.0 MI NNW - LAKE ROBINSON RD (#S-13-346)	11/15/2004	13	1.6
26	5.0 MI N - LAKE ROBINSON RD (#S-13-346)	2/15/2004	11.8	2.6
26	5.0 MI N - LAKE ROBINSON RD (#S-13-346)	5/15/2004	13.7	0.6
26	5.0 MI N - LAKE ROBINSON RD (#S-13-346)	8/15/2004	13.8	2.4
26	5.0 MI N - LAKE ROBINSON RD (#S-13-346)	11/15/2004	13.5	1.5
27	5.4 MI NNE - PROSPECT CHURCH RD (#S-13-763)	2/15/2004	11.2	2.2
27	5.4 MI NNE - PROSPECT CHURCH RD (#S-13-763)	5/15/2004	11.2	0.5
27	5.4 MI NNE - PROSPECT CHURCH RD (#S-13-763)	8/15/2004	11.4	1.8
27	5.4 MI NNE - PROSPECT CHURCH RD (#S-13-763)	11/15/2004	10.6	1.1
28	4.3 MI NE - NEW MARKET RD (#S-13-39)	2/15/2004	15.8	3.1
28	4.3 MI NE - NEW MARKET RD (#S-13-39)	5/15/2004	16.7	0.8
28	4.3 MI NE - NEW MARKET RD (#S-13-39)	8/15/2004	15.9	1.7
28	4.3 MI NE - NEW MARKET RD (#S-13-39)	11/15/2004	17.1	1.9
29	4.0 MI ENE - RUBY RD (#S-16-20)	2/15/2004	12.1	2.2
29	4.0 MI ENE - RUBY RD (#S-16-20)	5/15/2004	10.3	0.6
29	4.0 MI ENE - RUBY RD (#S-16-20)	8/15/2004	12.8	1.7
29	4.0 MI ENE - RUBY RD (#S-16-20)	11/15/2004	10.2	1.2
30	4.4 MI E - RUBY RD (#S-16-20)	2/15/2004	13.1	2.2
30	4.4 MI E - RUBY RD (#S-16-20)	5/15/2004	13.3	0.6
30	4.4 MI E - RUBY RD (#S-16-20)	8/15/2004	13.2	2.1
30	4.4 MI E - RUBY RD (#S-16-20)	11/15/2004	12.9	1.1
31	4.6 MI ESE - ON LAKESHORE DRIVE	2/15/2004	15.2	2.5

Dose: mR/std. qtr.

TLD	TLD Location Description	Sample Date	Dose	2 Sigma Error
31	4.6 MI ESE - ON LAKESHORE DRIVE	5/15/2004	13.8	1.4
31	4.6 MI ESE - ON LAKESHORE DRIVE	8/15/2004	15.7	1.9
31	4.6 MI ESE - ON LAKESHORE DRIVE	11/15/2004	13.9	1.2
32	4.0 MI SE - TRANSMISSION RIGHT-OF-WAY	2/15/2004	12.4	2.1
32	4.0 MI SE - TRANSMISSION RIGHT-OF-WAY	5/15/2004	12.7	0.5
32	4.0 MI SE - TRANSMISSION RIGHT-OF-WAY	8/15/2004	12.7	1.9
32	4.0 MI SE - TRANSMISSION RIGHT-OF-WAY	11/15/2004	12.5	1.4
33	4.5 MI SSE- ON BAY RD (#S-16-493)	2/15/2004	12.8	2.1
33	4.5 MI SSE- ON BAY RD (#S-16-493)	5/15/2004	13.3	1.4
33	4.5 MI SSE- ON BAY RD (#S-16-493)	8/15/2004	13.1	1.8
33	4.5 MI SSE- ON BAY RD (#S-16-493)	11/15/2004	14	1.9
34	4.7 MI S - ON KELLYBELL RD (#S-16-772)	2/15/2004	9.8	2.7
34	4.7 MI S - ON KELLYBELL RD (#S-16-772)	5/15/2004	9.6	1
34	4.7 MI S - ON KELLYBELL RD (#S-16-772)	8/15/2004	10.3	1.8
34	4.7 MI S - ON KELLYBELL RD (#S-16-772)	11/15/2004	9.8	1.4
35	4.5 MI SSW - KELLY BRIDGE RD (#S-31-51)	2/15/2004	16.5	2.6
35	4.5 MI SSW - KELLY BRIDGE RD (#S-31-51)	5/15/2004	17.5	0.8
35	4.5 MI SSW - KELLY BRIDGE RD (#S-31-51)	8/15/2004	18.2	1.5
35	4.5 MI SSW - KELLY BRIDGE RD (#S-31-51)	11/15/2004	18.3	2
36	5.0 MI SW - ON KINGSTON DRIVE	2/15/2004	18.8	2.2
36	5.0 MI SW - ON KINGSTON DRIVE	5/15/2004	18.5	0.5
36	5.0 MI SW - ON KINGSTON DRIVE	8/15/2004	19.2	2.4
36	5.0 MI SW - ON KINGSTON DRIVE	11/15/2004	18.6	3
37	5.0 MI WSW - PINE CONE RD	2/15/2004	19.8	4

Dose: mR/std. qtr.

TLD	*TLD Location Description*	*Sample Date*	*Dose*	*2 Sigma Error*
37	5.0 MI WSW - PINE CONE RD	5/15/2004	18.5	1.4
37	5.0 MI WSW - PINE CONE RD	8/15/2004	21.3	2.2
37	5.0 MI WSW - PINE CONE RD	11/15/2004	19.7	1.8
38	4.9 MI W - AT UNION CHURCH RD	2/15/2004	16.2	2.6
38	4.9 MI W - AT UNION CHURCH RD	8/15/2004	14.1	1.6
38	4.9 MI W - AT UNION CHURCH RD	11/15/2004	13.5	1.2
39	5.1 MI WNW - KING'S POND RD	2/15/2004	13.5	2.1
39	5.1 MI WNW - KING'S POND RD	5/15/2004	13.6	1
39	5.1 MI WNW - KING'S POND RD	8/15/2004	14	2.3
39	5.1 MI WNW - KING'S POND RD	11/15/2004	13.4	1.4
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/15/2004	13.7	2.1
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/15/2004	13.8	0.7
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/15/2004	14.4	1.6
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/15/2004	14	1.1
56	0.4 MI NNW - NORTH OF THE CENTER OF THE ISFSI	2/15/2004	11.3	2.1
56	0.4 MI NNW - NORTH OF THE CENTER OF THE ISFSI	5/15/2004	10	0.7
56	0.4 MI NNW - NORTH OF THE CENTER OF THE ISFSI	8/15/2004	11.9	1.7
56	0.4 MI NNW - NORTH OF THE CENTER OF THE ISFSI	11/15/2004	9.8	1.7

2004 HBRSEP (RNP)

Radiological Environmental Monitoring Analysis Report

Comments

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

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
1	24.4 MI ESE - FLORENCE - CONTROL	1/5/2004	566.8	3.81E-01	1.98E-02	2.15E-03	1.90E-03
1	24.4 MI ESE - FLORENCE - CONTROL	1/12/2004	557.2	3.81E-01	3.01E-02	2.48E-03	1.70E-03
1	24.4 MI ESE - FLORENCE - CONTROL	1/19/2004	559.8	3.81E-01	2.69E-02	2.43E-03	1.94E-03
1	24.4 MI ESE - FLORENCE - CONTROL	1/27/2004	639.5	3.81E-01	2.68E-02	2.19E-03	1.49E-03
1	24.4 MI ESE - FLORENCE - CONTROL	2/2/2004	475.2	3.81E-01	2.40E-02	2.53E-03	2.11E-03
1	24.4 MI ESE - FLORENCE - CONTROL	2/9/2004	533.6	3.81E-01	1.96E-02	2.20E-03	1.93E-03
1	24.4 MI ESE - FLORENCE - CONTROL	2/16/2004	556.8	3.81E-01	2.28E-02	2.28E-03	1.91E-03
1	24.4 MI ESE - FLORENCE - CONTROL	2/23/2004	551.8	3.81E-01	2.77E-02	2.45E-03	1.84E-03
1	24.4 MI ESE - FLORENCE - CONTROL	3/1/2004	548.7	3.81E-01	2.20E-02	2.28E-03	1.96E-03
1	24.4 MI ESE - FLORENCE - CONTROL	3/8/2004	577.4	3.81E-01	2.21E-02	2.16E-03	1.69E-03
1	24.4 MI ESE - FLORENCE - CONTROL	3/15/2004	557.7	3.81E-01	3.05E-02	2.51E-03	1.73E-03
1	24.4 MI ESE - FLORENCE - CONTROL	3/22/2004	573.3	3.81E-01	2.26E-02	2.19E-03	1.71E-03
1	24.4 MI ESE - FLORENCE - CONTROL	3/29/2004	587.6	3.81E-01	2.16E-02	2.14E-03	1.72E-03
1	24.4 MI ESE - FLORENCE - CONTROL	4/5/2004	576.8	3.81E-01	2.33E-02	2.18E-03	1.59E-03
1	24.4 MI ESE - FLORENCE - CONTROL	4/12/2004	584.3	3.81E-01	2.52E-02	2.22E-03	1.51E-03
1	24.4 MI ESE - FLORENCE - CONTROL	4/19/2004	565.8	3.81E-01	2.13E-02	2.19E-03	1.83E-03
1	24.4 MI ESE - FLORENCE - CONTROL	4/26/2004	602.9	3.81E-01	3.11E-02	2.43E-03	1.66E-03
1	24.4 MI ESE - FLORENCE - CONTROL	5/3/2004	576.6	3.81E-01	2.04E-02	2.13E-03	1.79E-03
1	24.4 MI ESE - FLORENCE - CONTROL	5/10/2004	575.6	3.81E-01	3.14E-02	2.52E-03	1.80E-03
1	24.4 MI ESE - FLORENCE - CONTROL	5/17/2004	621.9	3.81E-01	3.05E-02	2.36E-03	1.57E-03
1	24.4 MI ESE - FLORENCE - CONTROL	5/24/2004	591.9	3.81E-01	2.81E-02	2.33E-03	1.58E-03
1	24.4 MI ESE - FLORENCE - CONTROL	6/1/2004	679.4	3.81E-01	2.51E-02	2.05E-03	1.39E-03
1	24.4 MI ESE - FLORENCE - CONTROL	6/7/2004	508.1	3.81E-01	2.20E-02	2.35E-03	1.99E-03
1	24.4 MI ESE - FLORENCE - CONTROL	6/15/2004	676.1	3.81E-01	2.80E-02	2.19E-03	1.55E-03
1	24.4 MI ESE - FLORENCE - CONTROL	6/21/2004	512.6	3.81E-01	3.72E-02	2.86E-03	1.91E-03
1	24.4 MI ESE - FLORENCE - CONTROL	6/28/2004	590.8	3.81E-01	1.55E-02	1.85E-03	1.60E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
1	24.4 MI ESE - FLORENCE - CONTROL	7/6/2004	681	3.81E-01	1.75E-02	1.76E-03	1.36E-03
1	24.4 MI ESE - FLORENCE - CONTROL	7/11/2004	421.4	3.81E-01	2.42E-02	2.74E-03	2.35E-03
1	24.4 MI ESE - FLORENCE - CONTROL	7/19/2004	679.5	3.81E-01	2.24E-02	1.95E-03	1.37E-03
1	24.4 MI ESE - FLORENCE - CONTROL	7/26/2004	567.2	3.81E-01	2.42E-02	2.23E-03	1.61E-03
1	24.4 MI ESE - FLORENCE - CONTROL	8/3/2004	683	3.81E-01	1.50E-02	1.64E-03	1.31E-03
1	24.4 MI ESE - FLORENCE - CONTROL	8/10/2004	598.2	3.81E-01	2.62E-02	2.25E-03	1.60E-03
1	24.4 MI ESE - FLORENCE - CONTROL	8/17/2004	593.3	3.81E-01	2.26E-02	2.16E-03	1.70E-03
1	24.4 MI ESE - FLORENCE - CONTROL	8/23/2004	508.2	3.81E-01	1.74E-02	2.15E-03	1.93E-03
1	24.4 MI ESE - FLORENCE - CONTROL	8/30/2004	583.7	3.81E-01	2.26E-02	2.20E-03	1.78E-03
1	24.4 MI ESE - FLORENCE - CONTROL	9/7/2004	666	3.81E-01	1.53E-02	1.69E-03	1.36E-03
1	24.4 MI ESE - FLORENCE - CONTROL	9/13/2004	511.1	3.81E-01	1.87E-02	2.22E-03	2.01E-03
1	24.4 MI ESE - FLORENCE - CONTROL	9/20/2004	577.1	3.81E-01	1.47E-02	1.85E-03	1.66E-03
1	24.4 MI ESE - FLORENCE - CONTROL	9/27/2004	579.8	3.81E-01	2.35E-02	2.20E-03	1.65E-03
1	24.4 MI ESE - FLORENCE - CONTROL	10/4/2004	581.9	3.85E-01	2.27E-02	2.13E-03	1.57E-03
1	24.4 MI ESE - FLORENCE - CONTROL	10/11/2004	588.5	3.85E-01	2.70E-02	2.28E-03	1.58E-03
1	24.4 MI ESE - FLORENCE - CONTROL	10/18/2004	578.6	3.85E-01	2.35E-02	2.18E-03	1.61E-03
1	24.4 MI ESE - FLORENCE - CONTROL	10/25/2004	562	3.85E-01	2.03E-02	2.17E-03	1.91E-03
1	24.4 MI ESE - FLORENCE - CONTROL	11/1/2004	613.8	3.85E-01	2.92E-02	2.31E-03	1.53E-03
1	24.4 MI ESE - FLORENCE - CONTROL	11/9/2004	665.2	3.85E-01	2.21E-02	1.97E-03	1.46E-03
1	24.4 MI ESE - FLORENCE - CONTROL	11/15/2004	488.2	3.85E-01	1.74E-02	2.26E-03	2.18E-03
1	24.4 MI ESE - FLORENCE - CONTROL	11/22/2004	582.6	3.85E-01	2.75E-02	2.37E-03	1.82E-03
1	24.4 MI ESE - FLORENCE - CONTROL	11/29/2004	585.4	3.73E-01	3.11E-02	2.45E-03	1.55E-03
1	24.4 MI ESE - FLORENCE - CONTROL	12/5/2004	489.8	3.73E-01	2.66E-02	2.63E-03	2.13E-03
1	24.4 MI ESE - FLORENCE - CONTROL	12/13/2004	662.5	3.73E-01	2.46E-02	2.07E-03	1.37E-03
1	24.4 MI ESE - FLORENCE - CONTROL	12/20/2004	561.7	3.73E-01	3.32E-02	2.59E-03	1.65E-03
1	24.4 MI ESE - FLORENCE - CONTROL	12/27/2004	550.3	3.73E-01	2.18E-02	2.31E-03	2.01E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
2	0.2 MI S - INFORMATION CENTER	1/5/2004	533.4	3.81E-01	2.35E-02	2.38E-03	2.02E-03
2	0.2 MI S - INFORMATION CENTER	1/12/2004	544.3	3.81E-01	2.76E-02	2.43E-03	1.74E-03
2	0.2 MI S - INFORMATION CENTER	1/19/2004	554.3	3.81E-01	2.77E-02	2.48E-03	1.96E-03
2	0.2 MI S - INFORMATION CENTER	1/27/2004	595.5	3.81E-01	2.62E-02	2.26E-03	1.60E-03
2	0.2 MI S - INFORMATION CENTER	2/2/2004	455.3	3.81E-01	2.39E-02	2.60E-03	2.20E-03
2	0.2 MI S - INFORMATION CENTER	2/9/2004	526.7	3.81E-01	2.21E-02	2.32E-03	1.95E-03
2	0.2 MI S - INFORMATION CENTER	2/16/2004	544.6	3.81E-01	2.02E-02	2.22E-03	1.95E-03
2	0.2 MI S - INFORMATION CENTER	2/23/2004	526.4	3.81E-01	3.05E-02	2.62E-03	1.93E-03
2	0.2 MI S - INFORMATION CENTER	3/1/2004	526	3.81E-01	2.68E-02	2.52E-03	2.04E-03
2	0.2 MI S - INFORMATION CENTER	3/8/2004	527.5	3.81E-01	2.43E-02	2.37E-03	1.84E-03
2	0.2 MI S - INFORMATION CENTER	3/15/2004	529	3.81E-01	3.09E-02	2.60E-03	1.83E-03
2	0.2 MI S - INFORMATION CENTER	3/22/2004	583.4	3.81E-01	2.25E-02	2.17E-03	1.68E-03
2	0.2 MI S - INFORMATION CENTER	3/29/2004	628.4	3.81E-01	2.07E-02	2.02E-03	1.61E-03
2	0.2 MI S - INFORMATION CENTER	4/5/2004	623.9	3.81E-01	1.79E-02	1.87E-03	1.47E-03
2	0.2 MI S - INFORMATION CENTER	4/12/2004	642.1	3.81E-01	2.48E-02	2.09E-03	1.37E-03
2	0.2 MI S - INFORMATION CENTER	4/19/2004	651.5	3.81E-01	2.33E-02	2.08E-03	1.59E-03
2	0.2 MI S - INFORMATION CENTER	4/26/2004	591.2	3.81E-01	3.15E-02	2.47E-03	1.69E-03
2	0.2 MI S - INFORMATION CENTER	5/3/2004	652.2	3.81E-01	1.75E-02	1.86E-03	1.58E-03
2	0.2 MI S - INFORMATION CENTER	5/10/2004	628.7	3.81E-01	3.58E-02	2.53E-03	1.64E-03
2	0.2 MI S - INFORMATION CENTER	5/17/2004	646.3	3.81E-01	2.53E-02	2.13E-03	1.52E-03
2	0.2 MI S - INFORMATION CENTER	5/24/2004	647.1	3.81E-01	2.48E-02	2.10E-03	1.44E-03
2	0.2 MI S - INFORMATION CENTER	6/1/2004	729.6	3.81E-01	2.16E-02	1.85E-03	1.29E-03
2	0.2 MI S - INFORMATION CENTER	6/7/2004	549.3	3.81E-01	1.82E-02	2.09E-03	1.84E-03
2	0.2 MI S - INFORMATION CENTER	6/15/2004	733.3	3.81E-01	2.18E-02	1.89E-03	1.43E-03
2	0.2 MI S - INFORMATION CENTER	6/21/2004	554	3.81E-01	2.63E-02	2.37E-03	1.77E-03
2	0.2 MI S - INFORMATION CENTER	6/28/2004	643.1	3.81E-01	1.19E-02	1.60E-03	1.47E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
2	0.2 MI S - INFORMATION CENTER	7/6/2004	734.8	3.81E-01	1.61E-02	1.63E-03	1.26E-03
2	0.2 MI S - INFORMATION CENTER	7/11/2004	466.6	3.81E-01	1.66E-02	2.24E-03	2.13E-03
2	0.2 MI S - INFORMATION CENTER	7/19/2004	731.1	3.81E-01	2.01E-02	1.79E-03	1.27E-03
2	0.2 MI S - INFORMATION CENTER	7/26/2004	662.2	3.81E-01	2.13E-02	1.94E-03	1.38E-03
2	0.2 MI S - INFORMATION CENTER	8/3/2004	703.1	3.81E-01	1.19E-02	1.48E-03	1.27E-03
2	0.2 MI S - INFORMATION CENTER	8/10/2004	642.1	3.81E-01	2.46E-02	2.11E-03	1.49E-03
2	0.2 MI S - INFORMATION CENTER	8/17/2004	633.5	3.81E-01	2.11E-02	2.02E-03	1.59E-03
2	0.2 MI S - INFORMATION CENTER	8/23/2004	545.7	3.81E-01	1.79E-02	2.07E-03	1.79E-03
2	0.2 MI S - INFORMATION CENTER	8/30/2004	632.4	3.81E-01	1.35E-02	1.74E-03	1.64E-03
2	0.2 MI S - INFORMATION CENTER	9/7/2004	717.9	3.81E-01	1.45E-02	1.58E-03	1.27E-03
2	0.2 MI S - INFORMATION CENTER	9/13/2004	547.7	3.81E-01	1.80E-02	2.10E-03	1.88E-03
2	0.2 MI S - INFORMATION CENTER	9/20/2004	642.9	3.81E-01	1.37E-02	1.68E-03	1.49E-03
2	0.2 MI S - INFORMATION CENTER	9/27/2004	595.8	3.81E-01	2.61E-02	2.26E-03	1.60E-03
2	0.2 MI S - INFORMATION CENTER	10/4/2004	625	3.85E-01	2.34E-02	2.07E-03	1.46E-03
2	0.2 MI S - INFORMATION CENTER	10/11/2004	623	3.85E-01	2.68E-02	2.20E-03	1.50E-03
2	0.2 MI S - INFORMATION CENTER	10/18/2004	627.7	3.85E-01	1.96E-02	1.93E-03	1.48E-03
2	0.2 MI S - INFORMATION CENTER	10/25/2004	612.7	3.85E-01	1.76E-02	1.95E-03	1.75E-03
2	0.2 MI S - INFORMATION CENTER	11/1/2004	624.9	3.85E-01	2.61E-02	2.18E-03	1.50E-03
2	0.2 MI S - INFORMATION CENTER	11/9/2004	704.8	3.85E-01	2.21E-02	1.91E-03	1.38E-03
2	0.2 MI S - INFORMATION CENTER	11/15/2004	512.6	3.85E-01	1.74E-02	2.18E-03	2.07E-03
2	0.2 MI S - INFORMATION CENTER	11/22/2004	617.8	3.85E-01	2.13E-02	2.08E-03	1.72E-03
2	0.2 MI S - INFORMATION CENTER	11/29/2004	619.6	3.73E-01	2.79E-02	2.27E-03	1.46E-03
2	0.2 MI S - INFORMATION CENTER	12/5/2004	514	3.73E-01	2.81E-02	2.61E-03	2.03E-03
2	0.2 MI S - INFORMATION CENTER	12/13/2004	697	3.73E-01	2.27E-02	1.94E-03	1.30E-03
2	0.2 MI S - INFORMATION CENTER	12/20/2004	605.9	3.73E-01	2.74E-02	2.29E-03	1.53E-03
2	0.2 MI S - INFORMATION CENTER	12/27/2004	586.1	3.73E-01	2.13E-02	2.20E-03	1.89E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
3	0.5 MI N - MICROWAVE TOWER	1/5/2004	580.6	3.81E-01	2.14E-02	2.18E-03	1.86E-03
3	0.5 MI N - MICROWAVE TOWER	1/12/2004	601.7	3.81E-01	2.66E-02	2.26E-03	1.58E-03
3	0.5 MI N - MICROWAVE TOWER	1/19/2004	611.4	3.81E-01	2.30E-02	2.17E-03	1.78E-03
3	0.5 MI N - MICROWAVE TOWER	1/27/2004	693.5	3.81E-01	2.39E-02	1.99E-03	1.38E-03
3	0.5 MI N - MICROWAVE TOWER	2/2/2004	505.1	3.81E-01	2.26E-02	2.39E-03	1.99E-03
3	0.5 MI N - MICROWAVE TOWER	2/9/2004	409.1	3.81E-01	2.01E-02	2.64E-03	2.51E-03
3	0.5 MI N - MICROWAVE TOWER	2/16/2004	603.8	3.81E-01	2.19E-02	2.14E-03	1.76E-03
3	0.5 MI N - MICROWAVE TOWER	2/23/2004	586.5	3.81E-01	2.62E-02	2.31E-03	1.73E-03
3	0.5 MI N - MICROWAVE TOWER	3/1/2004	604.1	3.81E-01	2.32E-02	2.19E-03	1.78E-03
3	0.5 MI N - MICROWAVE TOWER	3/8/2004	569.5	3.81E-01	2.35E-02	2.23E-03	1.71E-03
3	0.5 MI N - MICROWAVE TOWER	3/15/2004	590.9	3.81E-01	2.87E-02	2.36E-03	1.64E-03
3	0.5 MI N - MICROWAVE TOWER	3/22/2004	602.2	3.81E-01	2.35E-02	2.16E-03	1.63E-03
3	0.5 MI N - MICROWAVE TOWER	3/29/2004	570.9	3.81E-01	2.27E-02	2.22E-03	1.77E-03
3	0.5 MI N - MICROWAVE TOWER	4/5/2004	602.3	3.81E-01	1.96E-02	1.98E-03	1.52E-03
3	0.5 MI N - MICROWAVE TOWER	4/12/2004	614.7	3.81E-01	2.80E-02	2.25E-03	1.43E-03
3	0.5 MI N - MICROWAVE TOWER	4/19/2004	843	3.81E-01	1.90E-02	1.64E-03	1.23E-03
3	0.5 MI N - MICROWAVE TOWER	4/26/2004	617.7	3.81E-01	3.01E-02	2.36E-03	1.62E-03
3	0.5 MI N - MICROWAVE TOWER	5/3/2004	703.1	3.81E-01	1.07E-02	1.50E-03	1.47E-03
3	0.5 MI N - MICROWAVE TOWER	5/10/2004	726.9	3.81E-01	3.06E-02	2.18E-03	1.42E-03
3	0.5 MI N - MICROWAVE TOWER	5/17/2004	723.2	3.81E-01	2.41E-02	1.96E-03	1.35E-03
3	0.5 MI N - MICROWAVE TOWER	5/24/2004	715.7	3.81E-01	2.25E-02	1.90E-03	1.31E-03
3	0.5 MI N - MICROWAVE TOWER	6/1/2004	725.4	3.81E-01	2.28E-02	1.90E-03	1.30E-03
3	0.5 MI N - MICROWAVE TOWER	6/7/2004	673.6	3.81E-01	1.61E-02	1.76E-03	1.50E-03
3	0.5 MI N - MICROWAVE TOWER	6/15/2004	37.7	3.81E-01	6.84E-02	2.13E-02	2.77E-02
3	0.5 MI N - MICROWAVE TOWER	6/21/2004	613.5	3.81E-01	2.28E-02	2.11E-03	1.60E-03
3	0.5 MI N - MICROWAVE TOWER	6/28/2004	711.9	3.81E-01	1.34E-02	1.56E-03	1.33E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
3	0.5 MI N - MICROWAVE TOWER	7/6/2004	812.6	3.81E-01	1.52E-02	1.50E-03	1.14E-03
3	0.5 MI N - MICROWAVE TOWER	7/11/2004	503.4	3.81E-01	1.59E-02	2.10E-03	1.97E-03
3	0.5 MI N - MICROWAVE TOWER	7/19/2004	814.2	3.81E-01	1.89E-02	1.63E-03	1.14E-03
3	0.5 MI N - MICROWAVE TOWER	7/26/2004	699.7	3.81E-01	1.84E-02	1.77E-03	1.31E-03
3	0.5 MI N - MICROWAVE TOWER	8/3/2004	799.9	3.81E-01	1.19E-02	1.36E-03	1.12E-03
3	0.5 MI N - MICROWAVE TOWER	8/10/2004	360	3.81E-01	1.94E-02	2.77E-03	2.65E-03
3	0.5 MI N - MICROWAVE TOWER	8/17/2004	699.5	3.81E-01	1.81E-02	1.79E-03	1.44E-03
3	0.5 MI N - MICROWAVE TOWER	8/23/2004	610	3.81E-01	1.63E-02	1.87E-03	1.61E-03
3	0.5 MI N - MICROWAVE TOWER	8/30/2004	693.4	3.81E-01	1.72E-02	1.78E-03	1.50E-03
3	0.5 MI N - MICROWAVE TOWER	9/7/2004	795.8	3.81E-01	1.22E-02	1.39E-03	1.14E-03
3	0.5 MI N - MICROWAVE TOWER	9/13/2004	611.4	3.81E-01	1.47E-02	1.82E-03	1.68E-03
3	0.5 MI N - MICROWAVE TOWER	9/20/2004	696.5	3.81E-01	1.22E-02	1.53E-03	1.38E-03
3	0.5 MI N - MICROWAVE TOWER	9/27/2004	695.1	3.81E-01	1.87E-02	1.80E-03	1.37E-03
3	0.5 MI N - MICROWAVE TOWER	10/4/2004	694.3	3.85E-01	2.10E-02	1.86E-03	1.31E-03
3	0.5 MI N - MICROWAVE TOWER	10/11/2004	704.5	3.85E-01	2.17E-02	1.88E-03	1.32E-03
3	0.5 MI N - MICROWAVE TOWER	10/18/2004	693.6	3.85E-01	1.82E-02	1.77E-03	1.34E-03
3	0.5 MI N - MICROWAVE TOWER	10/25/2004	692.1	3.85E-01	1.64E-02	1.76E-03	1.55E-03
3	0.5 MI N - MICROWAVE TOWER	11/1/2004	705.8	3.85E-01	2.12E-02	1.86E-03	1.33E-03
3	0.5 MI N - MICROWAVE TOWER	11/9/2004	460.4	3.85E-01	1.90E-02	2.34E-03	2.11E-03
3	0.5 MI N - MICROWAVE TOWER	11/15/2004	245.9	3.85E-01	1.99E-02	3.80E-03	4.32E-03
3	0.5 MI N - MICROWAVE TOWER	11/22/2004	588.7	3.85E-01	2.15E-02	2.15E-03	1.81E-03
3	0.5 MI N - MICROWAVE TOWER	11/29/2004	649	3.73E-01	2.26E-02	2.02E-03	1.40E-03
3	0.5 MI N - MICROWAVE TOWER	12/5/2004	556.7	3.73E-01	2.44E-02	2.35E-03	1.87E-03
3	0.5 MI N - MICROWAVE TOWER	12/13/2004	831.2	3.73E-01	1.92E-02	1.63E-03	1.09E-03
3	0.5 MI N - MICROWAVE TOWER	12/20/2004	805.6	3.73E-01	2.18E-02	1.76E-03	1.15E-03
3	0.5 MI N - MICROWAVE TOWER	12/27/2004	806.5	3.73E-01	1.70E-02	1.65E-03	1.37E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
4	0.4 MI ESE - SPILLWAY	1/5/2004	566.6	3.81E-01	1.76E-02	2.07E-03	1.91E-03
4	0.4 MI ESE - SPILLWAY	1/12/2004	575.5	3.81E-01	2.71E-02	2.33E-03	1.65E-03
4	0.4 MI ESE - SPILLWAY	1/19/2004	599.4	3.81E-01	2.58E-02	2.30E-03	1.81E-03
4	0.4 MI ESE - SPILLWAY	1/27/2004	664.5	3.81E-01	2.21E-02	1.97E-03	1.44E-03
4	0.4 MI ESE - SPILLWAY	2/2/2004	472.7	3.81E-01	2.35E-02	2.52E-03	2.12E-03
4	0.4 MI ESE - SPILLWAY	2/9/2004	561.2	3.81E-01	1.97E-02	2.14E-03	1.83E-03
4	0.4 MI ESE - SPILLWAY	2/16/2004	587	3.81E-01	2.26E-02	2.20E-03	1.81E-03
4	0.4 MI ESE - SPILLWAY	2/23/2004	566.8	3.81E-01	2.49E-02	2.31E-03	1.79E-03
4	0.4 MI ESE - SPILLWAY	3/1/2004	559.4	3.81E-01	2.27E-02	2.28E-03	1.92E-03
4	0.4 MI ESE - SPILLWAY	3/8/2004	541.2	3.81E-01	2.06E-02	2.19E-03	1.80E-03
4	0.4 MI ESE - SPILLWAY	3/15/2004	544.7	3.81E-01	2.96E-02	2.51E-03	1.78E-03
4	0.4 MI ESE - SPILLWAY	3/22/2004	547.6	3.81E-01	2.06E-02	2.17E-03	1.79E-03
4	0.4 MI ESE - SPILLWAY	3/29/2004	531.7	3.81E-01	2.11E-02	2.26E-03	1.90E-03
4	0.4 MI ESE - SPILLWAY	4/5/2004	423	3.81E-01	2.15E-02	2.55E-03	2.16E-03
4	0.4 MI ESE - SPILLWAY	4/12/2004	558.7	3.81E-01	3.04E-02	2.46E-03	1.58E-03
4	0.4 MI ESE - SPILLWAY	4/19/2004	554.5	3.81E-01	3.00E-02	2.53E-03	1.86E-03
4	0.4 MI ESE - SPILLWAY	4/26/2004	573.2	3.81E-01	3.22E-02	2.53E-03	1.74E-03
4	0.4 MI ESE - SPILLWAY	5/3/2004	555.2	3.81E-01	2.18E-02	2.24E-03	1.86E-03
4	0.4 MI ESE - SPILLWAY	5/10/2004	532.2	3.81E-01	4.17E-02	2.97E-03	1.94E-03
4	0.4 MI ESE - SPILLWAY	5/17/2004	546.3	3.81E-01	3.00E-02	2.53E-03	1.79E-03
4	0.4 MI ESE - SPILLWAY	5/24/2004	544.6	3.81E-01	3.10E-02	2.54E-03	1.72E-03
4	0.4 MI ESE - SPILLWAY	6/1/2004	613.6	3.81E-01	2.74E-02	2.25E-03	1.53E-03
4	0.4 MI ESE - SPILLWAY	6/7/2004	456.6	3.81E-01	2.50E-02	2.64E-03	2.21E-03
4	0.4 MI ESE - SPILLWAY	6/15/2004	618.2	3.81E-01	2.43E-02	2.19E-03	1.69E-03
4	0.4 MI ESE - SPILLWAY	6/21/2004	459	3.81E-01	2.56E-02	2.64E-03	2.13E-03
4	0.4 MI ESE - SPILLWAY	6/28/2004	525.7	3.81E-01	1.67E-02	2.05E-03	1.80E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
4	0.4 MI ESE - SPILLWAY	7/6/2004	625.7	3.81E-01	1.76E-02	1.86E-03	1.48E-03
4	0.4 MI ESE - SPILLWAY	7/11/2004	361.3	3.81E-01	1.94E-02	2.80E-03	2.74E-03
4	0.4 MI ESE - SPILLWAY	7/19/2004	599.5	3.81E-01	2.05E-02	2.03E-03	1.55E-03
4	0.4 MI ESE - SPILLWAY	7/26/2004	531.2	3.81E-01	2.67E-02	2.42E-03	1.72E-03
4	0.4 MI ESE - SPILLWAY	8/3/2004	583.8	3.81E-01	1.56E-02	1.84E-03	1.53E-03
4	0.4 MI ESE - SPILLWAY	8/10/2004	527.2	3.81E-01	2.90E-02	2.53E-03	1.81E-03
4	0.4 MI ESE - SPILLWAY	8/17/2004	520	3.81E-01	2.61E-02	2.48E-03	1.94E-03
4	0.4 MI ESE - SPILLWAY	8/23/2004	445.8	3.81E-01	2.17E-02	2.53E-03	2.20E-03
4	0.4 MI ESE - SPILLWAY	8/30/2004	516.9	3.81E-01	1.94E-02	2.25E-03	2.01E-03
4	0.4 MI ESE - SPILLWAY	9/7/2004	596.3	3.81E-01	1.80E-02	1.93E-03	1.52E-03
4	0.4 MI ESE - SPILLWAY	9/13/2004	455.1	3.81E-01	2.11E-02	2.50E-03	2.26E-03
4	0.4 MI ESE - SPILLWAY	9/20/2004	509.6	3.81E-01	1.92E-02	2.21E-03	1.89E-03
4	0.4 MI ESE - SPILLWAY	9/27/2004	518	3.81E-01	2.74E-02	2.50E-03	1.84E-03
4	0.4 MI ESE - SPILLWAY	10/4/2004	519.8	3.85E-01	2.93E-02	2.53E-03	1.76E-03
4	0.4 MI ESE - SPILLWAY	10/11/2004	514.3	3.85E-01	3.29E-02	2.68E-03	1.81E-03
4	0.4 MI ESE - SPILLWAY	10/18/2004	501.2	3.85E-01	2.80E-02	2.55E-03	1.86E-03
4	0.4 MI ESE - SPILLWAY	10/25/2004	512.7	3.85E-01	2.09E-02	2.33E-03	2.09E-03
4	0.4 MI ESE - SPILLWAY	11/1/2004	521.3	3.85E-01	3.16E-02	2.62E-03	1.80E-03
4	0.4 MI ESE - SPILLWAY	11/9/2004	582.9	3.85E-01	2.42E-02	2.22E-03	1.66E-03
4	0.4 MI ESE - SPILLWAY	11/15/2004	435.2	3.85E-01	2.02E-02	2.56E-03	2.44E-03
4	0.4 MI ESE - SPILLWAY	11/22/2004	515.7	3.85E-01	2.45E-02	2.45E-03	2.06E-03
4	0.4 MI ESE - SPILLWAY	11/29/2004	513.8	3.73E-01	3.24E-02	2.69E-03	1.77E-03
4	0.4 MI ESE - SPILLWAY	12/5/2004	445	3.73E-01	2.75E-02	2.83E-03	2.35E-03
4	0.4 MI ESE - SPILLWAY	12/13/2004	588.8	3.73E-01	2.60E-02	2.27E-03	1.54E-03
4	0.4 MI ESE - SPILLWAY	12/20/2004	524.7	3.73E-01	3.02E-02	2.59E-03	1.77E-03
4	0.4 MI ESE - SPILLWAY	12/27/2004	515.7	3.73E-01	2.26E-02	2.44E-03	2.15E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
5	0.9 MI ENE - NEAR JOHNSONS LANDING	1/5/2004	572.4	3.81E-01	2.10E-02	2.19E-03	1.89E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	1/12/2004	567.8	3.81E-01	2.50E-02	2.28E-03	1.67E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	1/19/2004	586	3.81E-01	2.61E-02	2.34E-03	1.85E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	1/27/2004	649.8	3.81E-01	2.53E-02	2.12E-03	1.47E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	2/2/2004	485.4	3.81E-01	2.23E-02	2.43E-03	2.07E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	2/9/2004	564.1	3.81E-01	2.20E-02	2.22E-03	1.82E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	2/16/2004	581.4	3.81E-01	1.92E-02	2.09E-03	1.83E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	2/23/2004	562.9	3.81E-01	2.34E-02	2.27E-03	1.80E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	3/1/2004	581.7	3.81E-01	2.42E-02	2.28E-03	1.85E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	3/8/2004	94	3.81E-01	3.55E-02	8.67E-03	1.04E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	3/15/2004	569.1	3.81E-01	2.56E-02	2.31E-03	1.70E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	3/22/2004	590.9	3.81E-01	1.88E-02	2.01E-03	1.66E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	3/29/2004	556.4	3.81E-01	3.40E-03	1.34E-03	1.82E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	4/5/2004	565	3.81E-01	3.22E-02	2.52E-03	1.62E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	4/12/2004	558.2	3.81E-01	2.86E-02	2.40E-03	1.58E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	4/19/2004	571.3	3.81E-01	2.50E-02	2.31E-03	1.81E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	4/26/2004	590.9	3.81E-01	2.98E-02	2.41E-03	1.69E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	5/3/2004	550.2	3.81E-01	2.09E-02	2.21E-03	1.88E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	5/10/2004	559.8	3.81E-01	3.44E-02	2.66E-03	1.85E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	5/17/2004	567.4	3.81E-01	3.08E-02	2.50E-03	1.73E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	5/24/2004	563.6	3.81E-01	2.81E-02	2.39E-03	1.66E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	6/1/2004	631.7	3.81E-01	2.45E-02	2.12E-03	1.49E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	6/7/2004	479.7	3.81E-01	1.95E-02	2.34E-03	2.11E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	6/15/2004	644.3	3.81E-01	2.32E-02	2.09E-03	1.62E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	6/21/2004	484.9	3.81E-01	2.99E-02	2.71E-03	2.02E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	6/28/2004	563.7	3.81E-01	1.39E-02	1.84E-03	1.68E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
5	0.9 MI ENE - NEAR JOHNSONS LANDING	7/6/2004	644	3.81E-01	1.97E-02	1.91E-03	1.44E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	7/11/2004	403.4	3.81E-01	2.13E-02	2.69E-03	2.46E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	7/19/2004	514.7	3.81E-01	1.72E-02	2.09E-03	1.80E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	7/26/2004	565.8	3.81E-01	2.33E-02	2.21E-03	1.62E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	8/3/2004	622.2	3.81E-01	1.35E-02	1.68E-03	1.44E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	8/10/2004	567.3	3.81E-01	2.54E-02	2.30E-03	1.68E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	8/17/2004	556.6	3.81E-01	2.02E-02	2.15E-03	1.81E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	8/23/2004	482.4	3.81E-01	1.94E-02	2.31E-03	2.03E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	8/30/2004	554.7	3.81E-01	2.07E-02	2.20E-03	1.87E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	9/7/2004	637.2	3.81E-01	1.62E-02	1.78E-03	1.43E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	9/13/2004	482.6	3.81E-01	1.82E-02	2.29E-03	2.13E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	9/20/2004	550.8	3.81E-01	1.74E-02	2.03E-03	1.74E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	9/27/2004	549.9	3.81E-01	2.73E-02	2.41E-03	1.74E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	10/4/2004	554.6	3.85E-01	2.53E-02	2.30E-03	1.65E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	10/11/2004	561.7	3.85E-01	3.07E-02	2.48E-03	1.66E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	10/18/2004	551.3	3.85E-01	2.23E-02	2.20E-03	1.69E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	10/25/2004	555.9	3.85E-01	1.86E-02	2.12E-03	1.93E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	11/1/2004	555.4	3.85E-01	3.10E-02	2.51E-03	1.69E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	11/9/2004	631.8	3.85E-01	2.25E-02	2.05E-03	1.53E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	11/15/2004	460.4	3.85E-01	1.79E-02	2.37E-03	2.31E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	11/22/2004	549.4	3.85E-01	2.39E-02	2.34E-03	1.93E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	11/29/2004	551.3	3.73E-01	3.09E-02	2.53E-03	1.65E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	12/5/2004	465.6	3.73E-01	2.61E-02	2.70E-03	2.24E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	12/13/2004	628	3.73E-01	2.41E-02	2.11E-03	1.44E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	12/20/2004	539.5	3.73E-01	2.54E-02	2.38E-03	1.72E-03
5	0.9 MI ENE - NEAR JOHNSONS LANDING	12/27/2004	514.1	3.73E-01	2.05E-02	2.36E-03	2.16E-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*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/5/2004	513.4	3.81E-01	2.10E-02	2.34E-03	2.10E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/12/2004	535.7	3.81E-01	2.36E-02	2.31E-03	1.77E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/19/2004	555	3.81E-01	2.57E-02	2.41E-03	1.96E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/27/2004	601.5	3.81E-01	2.46E-02	2.19E-03	1.59E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/2/2004	460.3	3.81E-01	2.34E-02	2.56E-03	2.18E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/9/2004	522.6	3.81E-01	2.00E-02	2.25E-03	1.97E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/16/2004	542.9	3.81E-01	2.16E-02	2.27E-03	1.96E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/23/2004	523.8	3.81E-01	2.56E-02	2.45E-03	1.94E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/1/2004	527.7	3.81E-01	2.41E-02	2.42E-03	2.04E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/8/2004	497.3	3.81E-01	2.37E-02	2.43E-03	1.96E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/15/2004	518.1	3.81E-01	2.66E-02	2.48E-03	1.87E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/22/2004	522.6	3.81E-01	2.14E-02	2.27E-03	1.87E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/29/2004	506.8	3.81E-01	2.52E-02	2.48E-03	1.99E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	4/5/2004	557.4	3.81E-01	1.90E-02	2.05E-03	1.64E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	4/12/2004	607.7	3.81E-01	2.77E-02	2.26E-03	1.45E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	4/19/2004	834.6	3.81E-01	1.62E-02	1.55E-03	1.24E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	4/26/2004	582.2	3.81E-01	2.92E-02	2.41E-03	1.71E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/3/2004	726.6	3.81E-01	1.58E-02	1.67E-03	1.42E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/10/2004	693.8	3.81E-01	2.96E-02	2.20E-03	1.49E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/17/2004	728.2	3.81E-01	2.34E-02	1.93E-03	1.34E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/24/2004	728.8	3.81E-01	2.26E-02	1.88E-03	1.28E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/1/2004	791.5	3.81E-01	2.06E-02	1.73E-03	1.19E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/7/2004	615.2	3.81E-01	1.64E-02	1.88E-03	1.64E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/15/2004	829.3	3.81E-01	1.83E-02	1.63E-03	1.26E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/21/2004	625.4	3.81E-01	2.29E-02	2.09E-03	1.57E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/28/2004	729.4	3.81E-01	1.25E-02	1.50E-03	1.30E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/6/2004	832.2	3.81E-01	1.59E-02	1.51E-03	1.12E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/11/2004	524.6	3.81E-01	1.58E-02	2.04E-03	1.89E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/19/2004	820.9	3.81E-01	1.68E-02	1.55E-03	1.13E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/26/2004	741.2	3.81E-01	2.04E-02	1.78E-03	1.23E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/3/2004	781.8	3.81E-01	1.12E-02	1.36E-03	1.15E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/10/2004	719.8	3.81E-01	2.21E-02	1.89E-03	1.33E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/17/2004	785.4	3.81E-01	1.75E-02	1.65E-03	1.29E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/23/2004	567.5	3.81E-01	1.64E-02	1.96E-03	1.73E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/30/2004	670.4	3.81E-01	1.98E-02	1.92E-03	1.55E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	9/7/2004	789.1	3.81E-01	1.35E-02	1.45E-03	1.15E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	9/13/2004	607.6	3.81E-01	1.40E-02	1.80E-03	1.69E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	9/20/2004	695.3	3.81E-01	1.26E-02	1.55E-03	1.38E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	9/27/2004	700.9	3.81E-01	1.91E-02	1.81E-03	1.36E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/4/2004	696.3	3.85E-01	1.85E-02	1.77E-03	1.31E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/11/2004	706.6	3.85E-01	2.54E-02	2.00E-03	1.32E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/18/2004	720.9	3.85E-01	1.70E-02	1.68E-03	1.29E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/25/2004	709.3	3.85E-01	1.57E-02	1.71E-03	1.51E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/1/2004	719.1	3.85E-01	2.59E-02	2.00E-03	1.30E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/9/2004	823.1	3.85E-01	1.91E-02	1.64E-03	1.18E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/15/2004	619.3	3.85E-01	1.25E-02	1.72E-03	1.72E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/22/2004	725.1	3.85E-01	2.05E-02	1.85E-03	1.47E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/29/2004	726.4	3.73E-01	2.24E-02	1.89E-03	1.25E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/5/2004	634.7	3.73E-01	2.13E-02	2.06E-03	1.64E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/13/2004	825.1	3.73E-01	1.86E-02	1.62E-03	1.10E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/20/2004	742.7	3.73E-01	2.09E-02	1.82E-03	1.25E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/27/2004	729.1	3.73E-01	1.47E-02	1.67E-03	1.52E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	1/5/2004	568.2	3.81E-01	1.91E-02	2.13E-03	1.90E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	1/12/2004	565	3.81E-01	3.00E-02	2.46E-03	1.68E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	1/19/2004	571.4	3.81E-01	2.69E-02	2.40E-03	1.90E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	1/27/2004	656.7	3.81E-01	2.30E-02	2.02E-03	1.45E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/2/2004	487.9	3.81E-01	2.34E-02	2.47E-03	2.06E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/9/2004	566.9	3.81E-01	2.11E-02	2.17E-03	1.81E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/16/2004	562.1	3.81E-01	2.11E-02	2.21E-03	1.89E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/23/2004	583.4	3.81E-01	2.99E-02	2.44E-03	1.74E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	3/1/2004	563.9	3.81E-01	2.33E-02	2.29E-03	1.90E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	3/8/2004	572.5	3.81E-01	2.09E-02	2.12E-03	1.70E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	3/15/2004	570.2	3.81E-01	2.98E-02	2.45E-03	1.70E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	3/22/2004	585.9	3.81E-01	2.10E-02	2.10E-03	1.67E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	3/29/2004	558.3	3.81E-01	1.88E-02	2.09E-03	1.81E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	4/5/2004	602.1	3.81E-01	1.70E-02	1.88E-03	1.52E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	4/12/2004	625.2	3.81E-01	2.50E-02	2.13E-03	1.41E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	4/19/2004	816.1	3.81E-01	1.74E-02	1.61E-03	1.27E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	4/26/2004	594.4	3.81E-01	3.05E-02	2.43E-03	1.68E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/3/2004	698.1	3.81E-01	1.83E-02	1.81E-03	1.48E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/10/2004	734.1	3.81E-01	3.02E-02	2.15E-03	1.41E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/17/2004	731.6	3.81E-01	2.61E-02	2.01E-03	1.34E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/24/2004	724.2	3.81E-01	2.52E-02	1.98E-03	1.29E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	6/1/2004	822.2	3.81E-01	2.14E-02	1.72E-03	1.15E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	6/7/2004	621.7	3.81E-01	1.77E-02	1.92E-03	1.62E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	6/15/2004	820.7	3.81E-01	2.43E-02	1.84E-03	1.27E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	6/21/2004	625.4	3.81E-01	2.78E-02	2.26E-03	1.57E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	6/28/2004	721.9	3.81E-01	1.13E-02	1.45E-03	1.31E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	7/6/2004	33.1	3.81E-01	6.86E-02	2.20E-02	2.81E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	7/11/2004	320.9	3.81E-01	1.69E-02	2.91E-03	3.09E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	7/19/2004	828.8	3.81E-01	1.87E-02	1.61E-03	1.12E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	7/26/2004	719.9	3.81E-01	1.98E-02	1.79E-03	1.27E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	8/3/2004	819.3	3.81E-01	1.16E-02	1.33E-03	1.09E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	8/10/2004	730.5	3.81E-01	2.03E-02	1.81E-03	1.31E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	8/17/2004	724.4	3.81E-01	1.71E-02	1.72E-03	1.39E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	8/23/2004	626.2	3.81E-01	1.62E-02	1.83E-03	1.56E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	8/30/2004	714.5	3.81E-01	1.87E-02	1.80E-03	1.45E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	9/7/2004	807.9	3.81E-01	1.23E-02	1.38E-03	1.12E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	9/13/2004	620.2	3.81E-01	1.77E-02	1.93E-03	1.66E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	9/20/2004	699	3.81E-01	1.46E-02	1.63E-03	1.37E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	9/27/2004	702.2	3.81E-01	2.25E-02	1.93E-03	1.36E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	10/4/2004	704.9	3.85E-01	2.35E-02	1.93E-03	1.29E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	10/11/2004	712.3	3.85E-01	2.24E-02	1.89E-03	1.31E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	10/18/2004	700.5	3.85E-01	2.18E-02	1.89E-03	1.33E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	10/25/2004	712.3	3.85E-01	2.01E-02	1.86E-03	1.51E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/1/2004	699.7	3.85E-01	2.27E-02	1.92E-03	1.34E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/9/2004	806.3	3.85E-01	1.89E-02	1.65E-03	1.20E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/15/2004	586.4	3.85E-01	1.50E-02	1.90E-03	1.81E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/22/2004	705.5	3.85E-01	2.19E-02	1.93E-03	1.51E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/29/2004	707.8	3.73E-01	2.54E-02	2.02E-03	1.28E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	12/5/2004	590	3.73E-01	2.26E-02	2.20E-03	1.77E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	12/13/2004	802.4	3.73E-01	1.96E-02	1.68E-03	1.13E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	12/20/2004	692.5	3.73E-01	2.09E-02	1.89E-03	1.34E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	12/27/2004	665.1	3.73E-01	1.84E-02	1.92E-03	1.67E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/5/2004	579.3	3.81E-01	1.92E-02	2.10E-03	1.86E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/12/2004	579.9	3.81E-01	2.52E-02	2.26E-03	1.63E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/19/2004	597	3.81E-01	2.57E-02	2.30E-03	1.82E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/27/2004	658.6	3.81E-01	2.32E-02	2.02E-03	1.45E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/2/2004	492	3.81E-01	2.17E-02	2.39E-03	2.04E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/9/2004	568	3.81E-01	1.92E-02	2.10E-03	1.81E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/16/2004	586.5	3.81E-01	2.18E-02	2.17E-03	1.81E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/23/2004	573.4	3.81E-01	2.37E-02	2.25E-03	1.77E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/1/2004	570.7	3.81E-01	2.23E-02	2.24E-03	1.88E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/8/2004	558.5	3.81E-01	2.21E-02	2.20E-03	1.74E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/15/2004	558.9	3.81E-01	2.83E-02	2.43E-03	1.73E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/22/2004	573.8	3.81E-01	1.80E-02	2.01E-03	1.71E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/29/2004	547.4	3.81E-01	1.98E-02	2.16E-03	1.84E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/5/2004	571.7	3.81E-01	1.78E-02	1.97E-03	1.60E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/12/2004	584.4	3.81E-01	2.59E-02	2.24E-03	1.51E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/19/2004	592.6	3.81E-01	2.44E-02	2.24E-03	1.74E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/26/2004	552.8	3.81E-01	3.13E-02	2.56E-03	1.80E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/3/2004	599.6	3.81E-01	2.00E-02	2.06E-03	1.72E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/10/2004	573	3.81E-01	3.69E-02	2.70E-03	1.80E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/17/2004	591.4	3.81E-01	2.89E-02	2.37E-03	1.66E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/24/2004	587.5	3.81E-01	2.67E-02	2.29E-03	1.59E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/1/2004	668.7	3.81E-01	2.34E-02	2.01E-03	1.41E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/7/2004	505.2	3.81E-01	2.12E-02	2.33E-03	2.00E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/15/2004	661.1	3.81E-01	2.19E-02	2.01E-03	1.58E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/21/2004	504.4	3.81E-01	2.72E-02	2.55E-03	1.94E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/28/2004	583.8	3.81E-01	1.39E-02	1.80E-03	1.62E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/6/2004	668.4	3.81E-01	1.77E-02	1.79E-03	1.39E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/11/2004	420.4	3.81E-01	1.90E-02	2.51E-03	2.36E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/19/2004	670.7	3.81E-01	2.08E-02	1.91E-03	1.38E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/26/2004	599.7	3.81E-01	2.28E-02	2.11E-03	1.53E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/3/2004	646.3	3.81E-01	1.15E-02	1.55E-03	1.39E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/10/2004	687.7	3.81E-01	2.18E-02	1.93E-03	1.39E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/17/2004	576.3	3.81E-01	2.22E-02	2.18E-03	1.75E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/23/2004	496	3.81E-01	1.68E-02	2.16E-03	1.97E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/30/2004	572.1	3.81E-01	1.99E-02	2.12E-03	1.82E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/7/2004	653.4	3.81E-01	1.62E-02	1.75E-03	1.39E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/13/2004	496.3	3.81E-01	1.64E-02	2.17E-03	2.07E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/20/2004	561.7	3.81E-01	1.68E-02	1.97E-03	1.71E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/27/2004	566.7	3.81E-01	2.45E-02	2.27E-03	1.68E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/4/2004	567.5	3.85E-01	2.78E-02	2.35E-03	1.61E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/11/2004	564.4	3.85E-01	2.89E-02	2.41E-03	1.65E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/18/2004	567.2	3.85E-01	2.24E-02	2.17E-03	1.64E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/25/2004	563.3	3.85E-01	2.05E-02	2.18E-03	1.91E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/1/2004	574.1	3.85E-01	2.73E-02	2.33E-03	1.63E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/9/2004	639.8	3.85E-01	2.28E-02	2.05E-03	1.51E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/15/2004	470.7	3.85E-01	1.55E-02	2.23E-03	2.26E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/22/2004	560.2	3.85E-01	2.48E-02	2.34E-03	1.90E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/29/2004	557.9	3.73E-01	2.68E-02	2.37E-03	1.63E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/5/2004	474.7	3.73E-01	2.37E-02	2.57E-03	2.20E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/13/2004	632.7	3.73E-01	2.61E-02	2.18E-03	1.43E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/20/2004	547.3	3.73E-01	2.63E-02	2.39E-03	1.70E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/27/2004	542.4	3.73E-01	2.16E-02	2.32E-03	2.04E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
60	0.2 MI SE - ROBINSON PICNIC AREA	1/5/2004	544.4	3.81E-01	2.17E-02	2.29E-03	1.98E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	1/12/2004	556.9	3.81E-01	2.48E-02	2.30E-03	1.70E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	1/19/2004	579.7	3.81E-01	2.63E-02	2.36E-03	1.87E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	1/27/2004	626.7	3.81E-01	2.33E-02	2.09E-03	1.52E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	2/2/2004	474.7	3.81E-01	2.19E-02	2.45E-03	2.11E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	2/9/2004	542.7	3.81E-01	2.11E-02	2.24E-03	1.89E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	2/16/2004	561.7	3.81E-01	2.25E-02	2.26E-03	1.89E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	2/23/2004	539.8	3.81E-01	2.80E-02	2.49E-03	1.88E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	3/1/2004	543.4	3.81E-01	2.23E-02	2.31E-03	1.98E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	3/8/2004	520.3	3.81E-01	2.26E-02	2.32E-03	1.87E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	3/15/2004	536.9	3.81E-01	2.44E-02	2.35E-03	1.80E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	3/22/2004	546.3	3.81E-01	1.99E-02	2.15E-03	1.79E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	3/29/2004	518.2	3.81E-01	2.30E-02	2.37E-03	1.95E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	4/5/2004	501.4	3.81E-01	1.85E-02	2.17E-03	1.83E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	4/12/2004	639.5	3.81E-01	2.54E-02	2.11E-03	1.38E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	4/19/2004	748.3	3.81E-01	1.89E-02	1.76E-03	1.38E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	4/26/2004	553.4	3.81E-01	3.27E-02	2.60E-03	1.80E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	5/3/2004	648.6	3.81E-01	2.01E-02	1.96E-03	1.59E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	5/10/2004	619	3.81E-01	3.35E-02	2.48E-03	1.67E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	5/17/2004	635.2	3.81E-01	2.76E-02	2.23E-03	1.54E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	5/24/2004	633.3	3.81E-01	2.69E-02	2.20E-03	1.48E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	6/1/2004	714.7	3.81E-01	2.15E-02	1.87E-03	1.32E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	6/7/2004	533.9	3.81E-01	2.05E-02	2.23E-03	1.89E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	6/15/2004	719.6	3.81E-01	2.14E-02	1.89E-03	1.45E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	6/21/2004	542.2	3.81E-01	2.38E-02	2.31E-03	1.81E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	6/28/2004	628.1	3.81E-01	1.36E-02	1.70E-03	1.51E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
60	0.2 MI SE - ROBINSON PICNIC AREA	7/6/2004	716.1	3.81E-01	1.82E-02	1.74E-03	1.30E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	7/11/2004	449.3	3.81E-01	1.75E-02	2.34E-03	2.21E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	7/19/2004	708.8	3.81E-01	1.87E-02	1.77E-03	1.31E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	7/26/2004	635.9	3.81E-01	2.27E-02	2.03E-03	1.44E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	8/3/2004	693.3	3.81E-01	1.08E-02	1.45E-03	1.29E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	8/10/2004	627.8	3.81E-01	2.44E-02	2.13E-03	1.52E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	8/17/2004	621.5	3.81E-01	1.94E-02	1.98E-03	1.62E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	8/23/2004	527.7	3.81E-01	2.09E-02	2.24E-03	1.86E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	8/30/2004	615.9	3.81E-01	2.16E-02	2.09E-03	1.69E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	9/7/2004	698.2	3.81E-01	1.58E-02	1.66E-03	1.30E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	9/13/2004	525.3	3.81E-01	1.65E-02	2.09E-03	1.96E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	9/20/2004	598.3	3.81E-01	1.59E-02	1.86E-03	1.61E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	9/27/2004	597.4	3.81E-01	2.69E-02	2.28E-03	1.60E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	10/4/2004	605.7	3.85E-01	2.79E-02	2.27E-03	1.51E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	10/11/2004	606.7	3.85E-01	2.89E-02	2.31E-03	1.54E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	10/18/2004	605	3.85E-01	2.35E-02	2.12E-03	1.54E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	10/25/2004	576.4	3.85E-01	1.92E-02	2.10E-03	1.86E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	11/1/2004	573.9	3.85E-01	2.82E-02	2.36E-03	1.63E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	11/9/2004	668.8	3.85E-01	2.43E-02	2.04E-03	1.45E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	11/15/2004	495.2	3.85E-01	1.90E-02	2.30E-03	2.15E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	11/22/2004	606.8	3.85E-01	2.38E-02	2.19E-03	1.75E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	11/29/2004	588.1	3.73E-01	3.13E-02	2.45E-03	1.54E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	12/5/2004	525	3.73E-01	2.88E-02	2.60E-03	1.99E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	12/13/2004	691.4	3.73E-01	2.32E-02	1.97E-03	1.31E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	12/20/2004	617.4	3.73E-01	2.66E-02	2.23E-03	1.50E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	12/27/2004	587.4	3.73E-01	1.94E-02	2.12E-03	1.89E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	1/5/2004	536	3.81E-01	2.00E-02	2.24E-03	2.01E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	1/12/2004	530	3.81E-01	2.70E-02	2.45E-03	1.79E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	1/19/2004	558.4	3.81E-01	2.58E-02	2.40E-03	1.94E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	1/27/2004	585.8	3.81E-01	2.68E-02	2.30E-03	1.63E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	2/2/2004	445.5	3.81E-01	2.48E-02	2.67E-03	2.25E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	2/9/2004	538.6	3.81E-01	1.97E-02	2.19E-03	1.91E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	2/16/2004	568.3	3.81E-01	1.97E-02	2.14E-03	1.87E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	2/23/2004	533.8	3.81E-01	2.56E-02	2.42E-03	1.90E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	3/1/2004	532.2	3.81E-01	2.47E-02	2.43E-03	2.02E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	3/8/2004	557.4	3.81E-01	2.08E-02	2.16E-03	1.75E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	3/15/2004	529.2	3.81E-01	2.81E-02	2.50E-03	1.83E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	3/22/2004	605	3.81E-01	1.95E-02	2.00E-03	1.62E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	3/29/2004	591.4	3.81E-01	2.35E-02	2.20E-03	1.71E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	4/5/2004	580.5	3.81E-01	1.58E-02	1.87E-03	1.58E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	4/12/2004	620.5	3.81E-01	2.64E-02	2.19E-03	1.42E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	4/19/2004	631.6	3.81E-01	2.37E-02	2.13E-03	1.64E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	4/26/2004	572.9	3.81E-01	3.47E-02	2.62E-03	1.74E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/3/2004	658.2	3.81E-01	2.14E-02	2.00E-03	1.57E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/10/2004	631.7	3.81E-01	3.42E-02	2.47E-03	1.64E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/17/2004	678	3.81E-01	2.72E-02	2.14E-03	1.44E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/24/2004	672.2	3.81E-01	2.41E-02	2.02E-03	1.39E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	6/1/2004	729.6	3.81E-01	2.31E-02	1.90E-03	1.29E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	6/7/2004	564.6	3.81E-01	1.76E-02	2.03E-03	1.79E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	6/15/2004	759.4	3.81E-01	1.75E-02	1.70E-03	1.38E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	6/21/2004	572.1	3.81E-01	2.34E-02	2.22E-03	1.71E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	6/28/2004	660	3.81E-01	1.22E-02	1.58E-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	Efficiency	Activity	2 Sigma Error	LLD
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	7/6/2004	756.1	3.81E-01	1.70E-02	1.64E-03	1.23E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	7/11/2004	477	3.81E-01	1.86E-02	2.30E-03	2.08E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	7/19/2004	755.4	3.81E-01	1.90E-02	1.71E-03	1.23E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	7/26/2004	679.9	3.81E-01	2.18E-02	1.92E-03	1.35E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	8/3/2004	720.4	3.81E-01	1.12E-02	1.43E-03	1.24E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	8/10/2004	663.8	3.81E-01	2.46E-02	2.07E-03	1.44E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	8/17/2004	657.8	3.81E-01	1.93E-02	1.91E-03	1.54E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	8/23/2004	562.2	3.81E-01	1.71E-02	2.00E-03	1.74E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	8/30/2004	654.7	3.81E-01	1.90E-02	1.92E-03	1.59E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	9/7/2004	741.4	3.81E-01	1.53E-02	1.58E-03	1.23E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	9/13/2004	555	3.81E-01	1.66E-02	2.02E-03	1.85E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	9/20/2004	646.2	3.81E-01	1.43E-02	1.70E-03	1.49E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	9/27/2004	641.1	3.81E-01	2.21E-02	2.02E-03	1.49E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	10/4/2004	649	3.85E-01	2.53E-02	2.09E-03	1.41E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	10/11/2004	635.6	3.85E-01	2.67E-02	2.17E-03	1.47E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	10/18/2004	648.3	3.85E-01	2.05E-02	1.93E-03	1.44E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	10/25/2004	636.1	3.85E-01	1.95E-02	1.98E-03	1.69E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	11/1/2004	648.3	3.85E-01	2.61E-02	2.13E-03	1.45E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	11/9/2004	729.4	3.85E-01	2.26E-02	1.88E-03	1.33E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	11/15/2004	528.5	3.85E-01	1.93E-02	2.22E-03	2.01E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	11/22/2004	465.4	3.85E-01	3.23E-02	2.90E-03	2.28E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	11/29/2004	796.9	3.73E-01	2.22E-02	1.78E-03	1.14E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	12/5/2004	528.4	3.73E-01	2.46E-02	2.44E-03	1.98E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	12/13/2004	715.4	3.73E-01	2.45E-02	1.98E-03	1.27E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	12/20/2004	606.5	3.73E-01	2.49E-02	2.20E-03	1.53E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	12/27/2004	600	3.73E-01	1.90E-02	2.08E-03	1.85E-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	1/5/2004	566.8		<LLD		3.74E-02
1	24.4 MI ESE - FLORENCE - CONTROL	1/12/2004	557.2		<LLD		1.84E-02
1	24.4 MI ESE - FLORENCE - CONTROL	1/19/2004	559.8		<LLD		4.10E-02
1	24.4 MI ESE - FLORENCE - CONTROL	1/27/2004	639.5		<LLD		2.36E-02
1	24.4 MI ESE - FLORENCE - CONTROL	2/2/2004	475.2		<LLD		3.16E-02
1	24.4 MI ESE - FLORENCE - CONTROL	2/9/2004	533.6		<LLD		1.72E-02
1	24.4 MI ESE - FLORENCE - CONTROL	2/16/2004	556.8		<LLD		2.68E-02
1	24.4 MI ESE - FLORENCE - CONTROL	2/23/2004	551.8		<LLD		2.37E-02
1	24.4 MI ESE - FLORENCE - CONTROL	3/1/2004	548.7		<LLD		2.67E-02
1	24.4 MI ESE - FLORENCE - CONTROL	3/8/2004	577.4		<LLD		2.55E-02
1	24.4 MI ESE - FLORENCE - CONTROL	3/15/2004	557.7		<LLD		3.00E-02
1	24.4 MI ESE - FLORENCE - CONTROL	3/22/2004	573.3		<LLD		2.77E-02
1	24.4 MI ESE - FLORENCE - CONTROL	3/29/2004	587.6		<LLD		1.82E-02
1	24.4 MI ESE - FLORENCE - CONTROL	4/5/2004	576.8		<LLD		2.62E-02
1	24.4 MI ESE - FLORENCE - CONTROL	4/12/2004	584.3		<LLD		1.29E-02
1	24.4 MI ESE - FLORENCE - CONTROL	4/19/2004	565.8		<LLD		2.11E-02
1	24.4 MI ESE - FLORENCE - CONTROL	4/26/2004	602.9		<LLD		2.73E-02
1	24.4 MI ESE - FLORENCE - CONTROL	5/3/2004	576.6		<LLD		1.43E-02
1	24.4 MI ESE - FLORENCE - CONTROL	5/10/2004	575.6		<LLD		2.45E-02
1	24.4 MI ESE - FLORENCE - CONTROL	5/17/2004	621.9		<LLD		3.25E-02
1	24.4 MI ESE - FLORENCE - CONTROL	5/24/2004	591.9		<LLD		2.97E-02
1	24.4 MI ESE - FLORENCE - CONTROL	6/1/2004	679.4		<LLD		3.11E-02
1	24.4 MI ESE - FLORENCE - CONTROL	6/7/2004	508.1		<LLD		3.57E-02
1	24.4 MI ESE - FLORENCE - CONTROL	6/15/2004	676.1		<LLD		2.62E-02
1	24.4 MI ESE - FLORENCE - CONTROL	6/21/2004	512.6		<LLD		2.52E-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	6/28/2004	590.8		<LLD		3.03E-02
1	24.4 MI ESE - FLORENCE - CONTROL	7/6/2004	681.0		<LLD		2.83E-02
1	24.4 MI ESE - FLORENCE - CONTROL	7/11/2004	421.4		<LLD		3.28E-02
1	24.4 MI ESE - FLORENCE - CONTROL	7/19/2004	679.5		<LLD		1.57E-02
1	24.4 MI ESE - FLORENCE - CONTROL	7/26/2004	567.2		<LLD		2.38E-02
1	24.4 MI ESE - FLORENCE - CONTROL	8/3/2004	683.0		<LLD		2.80E-02
1	24.4 MI ESE - FLORENCE - CONTROL	8/10/2004	598.2		<LLD		1.90E-02
1	24.4 MI ESE - FLORENCE - CONTROL	8/17/2004	593.3		<LLD		1.75E-02
1	24.4 MI ESE - FLORENCE - CONTROL	8/23/2004	508.2		<LLD		2.75E-02
1	24.4 MI ESE - FLORENCE - CONTROL	8/30/2004	583.7		<LLD		2.31E-02
1	24.4 MI ESE - FLORENCE - CONTROL	9/7/2004	666.0		<LLD		2.29E-02
1	24.4 MI ESE - FLORENCE - CONTROL	9/13/2004	511.1		<LLD		2.08E-02
1	24.4 MI ESE - FLORENCE - CONTROL	9/20/2004	577.1		<LLD		2.16E-02
1	24.4 MI ESE - FLORENCE - CONTROL	9/27/2004	579.8		<LLD		2.95E-02
1	24.4 MI ESE - FLORENCE - CONTROL	10/4/2004	581.9		<LLD		2.32E-02
1	24.4 MI ESE - FLORENCE - CONTROL	10/11/2004	588.5		<LLD		2.12E-02
1	24.4 MI ESE - FLORENCE - CONTROL	10/18/2004	578.6		<LLD		2.88E-02
1	24.4 MI ESE - FLORENCE - CONTROL	10/25/2004	562.0		<LLD		1.32E-02
1	24.4 MI ESE - FLORENCE - CONTROL	11/1/2004	613.8		<LLD		2.09E-02
1	24.4 MI ESE - FLORENCE - CONTROL	11/9/2004	665.2		<LLD		1.17E-02
1	24.4 MI ESE - FLORENCE - CONTROL	11/15/2004	488.2		<LLD		2.48E-02
1	24.4 MI ESE - FLORENCE - CONTROL	11/22/2004	582.6		<LLD		2.83E-02
1	24.4 MI ESE - FLORENCE - CONTROL	11/29/2004	585.4		<LLD		1.80E-02
1	24.4 MI ESE - FLORENCE - CONTROL	12/5/2004	489.8		<LLD		3.99E-02
1	24.4 MI ESE - FLORENCE - CONTROL	12/13/2004	662.5		<LLD		2.81E-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	12/20/2004	561.7		<LLD		2.99E-02
1	24.4 MI ESE - FLORENCE - CONTROL	12/27/2004	550.3		<LLD		2.64E-02
2	0.2 MI S - INFORMATION CENTER	1/5/2004	533.4		<LLD		3.30E-02
2	0.2 MI S - INFORMATION CENTER	1/12/2004	544.3		<LLD		1.71E-02
2	0.2 MI S - INFORMATION CENTER	1/19/2004	554.3		<LLD		2.26E-02
2	0.2 MI S - INFORMATION CENTER	1/27/2004	595.5		<LLD		3.95E-02
2	0.2 MI S - INFORMATION CENTER	2/2/2004	455.3		<LLD		4.54E-02
2	0.2 MI S - INFORMATION CENTER	2/9/2004	526.7		<LLD		3.20E-02
2	0.2 MI S - INFORMATION CENTER	2/16/2004	544.6		<LLD		4.11E-02
2	0.2 MI S - INFORMATION CENTER	2/23/2004	526.4		<LLD		2.10E-02
2	0.2 MI S - INFORMATION CENTER	3/1/2004	526.0		<LLD		3.65E-02
2	0.2 MI S - INFORMATION CENTER	3/8/2004	527.5		<LLD		2.65E-02
2	0.2 MI S - INFORMATION CENTER	3/15/2004	529.0		<LLD		5.24E-02
2	0.2 MI S - INFORMATION CENTER	3/22/2004	583.4		<LLD		2.64E-02
2	0.2 MI S - INFORMATION CENTER	3/29/2004	628.4		<LLD		2.97E-02
2	0.2 MI S - INFORMATION CENTER	4/5/2004	623.9		<LLD		2.97E-02
2	0.2 MI S - INFORMATION CENTER	4/12/2004	642.1		<LLD		2.08E-02
2	0.2 MI S - INFORMATION CENTER	4/19/2004	651.5		<LLD		1.87E-02
2	0.2 MI S - INFORMATION CENTER	4/26/2004	591.2		<LLD		2.83E-02
2	0.2 MI S - INFORMATION CENTER	5/3/2004	652.2		<LLD		2.05E-02
2	0.2 MI S - INFORMATION CENTER	5/10/2004	628.7		<LLD		3.78E-02
2	0.2 MI S - INFORMATION CENTER	5/17/2004	646.3		<LLD		3.04E-02
2	0.2 MI S - INFORMATION CENTER	5/24/2004	647.1		<LLD		2.39E-02
2	0.2 MI S - INFORMATION CENTER	6/1/2004	729.6		<LLD		1.57E-02
2	0.2 MI S - INFORMATION CENTER	6/7/2004	549.3		<LLD		3.64E-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	6/15/2004	733.3		<LLD		2.82E-02
2	0.2 MI S - INFORMATION CENTER	6/21/2004	554.0		<LLD		3.44E-02
2	0.2 MI S - INFORMATION CENTER	6/28/2004	643.1		<LLD		1.66E-02
2	0.2 MI S - INFORMATION CENTER	7/6/2004	734.8		<LLD		1.27E-02
2	0.2 MI S - INFORMATION CENTER	7/11/2004	466.6		<LLD		3.21E-02
2	0.2 MI S - INFORMATION CENTER	7/19/2004	731.1		<LLD		2.93E-02
2	0.2 MI S - INFORMATION CENTER	7/26/2004	662.2		<LLD		3.43E-02
2	0.2 MI S - INFORMATION CENTER	8/3/2004	703.1		<LLD		2.55E-02
2	0.2 MI S - INFORMATION CENTER	8/10/2004	642.1		<LLD		3.50E-02
2	0.2 MI S - INFORMATION CENTER	8/17/2004	633.5		<LLD		2.04E-02
2	0.2 MI S - INFORMATION CENTER	8/23/2004	545.7		<LLD		2.10E-02
2	0.2 MI S - INFORMATION CENTER	8/30/2004	632.4		<LLD		1.99E-02
2	0.2 MI S - INFORMATION CENTER	9/7/2004	717.9		<LLD		2.46E-02
2	0.2 MI S - INFORMATION CENTER	9/13/2004	547.7		<LLD		2.68E-02
2	0.2 MI S - INFORMATION CENTER	9/20/2004	642.9		<LLD		2.56E-02
2	0.2 MI S - INFORMATION CENTER	9/27/2004	595.8		<LLD		4.15E-02
2	0.2 MI S - INFORMATION CENTER	10/4/2004	625.0		<LLD		3.04E-02
2	0.2 MI S - INFORMATION CENTER	10/11/2004	623.0		<LLD		3.17E-02
2	0.2 MI S - INFORMATION CENTER	10/18/2004	627.7		<LLD		2.75E-02
2	0.2 MI S - INFORMATION CENTER	10/25/2004	612.7		<LLD		2.56E-02
2	0.2 MI S - INFORMATION CENTER	11/1/2004	624.9		<LLD		1.68E-02
2	0.2 MI S - INFORMATION CENTER	11/9/2004	704.8		<LLD		2.64E-02
2	0.2 MI S - INFORMATION CENTER	11/15/2004	512.6		<LLD		2.58E-02
2	0.2 MI S - INFORMATION CENTER	11/22/2004	617.8		<LLD		4.39E-02
2	0.2 MI S - INFORMATION CENTER	11/29/2004	619.6		<LLD		3.74E-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*
2	0.2 MI S - INFORMATION CENTER	12/5/2004	514.0		<LLD		3.05E-02
2	0.2 MI S - INFORMATION CENTER	12/13/2004	697.0		<LLD		4.16E-02
2	0.2 MI S - INFORMATION CENTER	12/20/2004	605.9		<LLD		1.71E-02
2	0.2 MI S - INFORMATION CENTER	12/27/2004	586.1		<LLD		2.50E-02
3	0.5 MI N - MICROWAVE TOWER	1/5/2004	580.6		<LLD		3.40E-02
3	0.5 MI N - MICROWAVE TOWER	1/12/2004	601.7		<LLD		4.01E-02
3	0.5 MI N - MICROWAVE TOWER	1/19/2004	611.4		<LLD		3.48E-02
3	0.5 MI N - MICROWAVE TOWER	1/27/2004	693.5		<LLD		2.76E-02
3	0.5 MI N - MICROWAVE TOWER	2/2/2004	505.1		<LLD		5.65E-02
3	0.5 MI N - MICROWAVE TOWER	2/9/2004	409.1		<LLD		4.22E-02
3	0.5 MI N - MICROWAVE TOWER	2/16/2004	603.8		<LLD		2.90E-02
3	0.5 MI N - MICROWAVE TOWER	2/23/2004	586.5		<LLD		6.00E-02
3	0.5 MI N - MICROWAVE TOWER	3/1/2004	604.1		<LLD		3.83E-02
3	0.5 MI N - MICROWAVE TOWER	3/8/2004	569.5		<LLD		4.24E-02
3	0.5 MI N - MICROWAVE TOWER	3/15/2004	590.9		<LLD		1.41E-02
3	0.5 MI N - MICROWAVE TOWER	3/22/2004	602.2		<LLD		3.96E-02
3	0.5 MI N - MICROWAVE TOWER	3/29/2004	570.9		<LLD		4.13E-02
3	0.5 MI N - MICROWAVE TOWER	4/5/2004	602.3		<LLD		4.44E-02
3	0.5 MI N - MICROWAVE TOWER	4/12/2004	614.7		<LLD		3.93E-02
3	0.5 MI N - MICROWAVE TOWER	4/19/2004	843.0		<LLD		3.49E-02
3	0.5 MI N - MICROWAVE TOWER	4/26/2004	617.7		<LLD		3.57E-02
3	0.5 MI N - MICROWAVE TOWER	5/3/2004	703.1		<LLD		2.76E-02
3	0.5 MI N - MICROWAVE TOWER	5/10/2004	726.9		<LLD		3.24E-02
3	0.5 MI N - MICROWAVE TOWER	5/17/2004	723.2		<LLD		2.32E-02
3	0.5 MI N - MICROWAVE TOWER	5/24/2004	715.7		<LLD		2.89E-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	6/1/2004	725.4		<LLD		2.74E-02
3	0.5 MI N - MICROWAVE TOWER	6/7/2004	673.6		<LLD		3.02E-02
3	0.5 MI N - MICROWAVE TOWER	6/15/2004	37.7		<LLD		6.10E-01
3	0.5 MI N - MICROWAVE TOWER	6/21/2004	613.5		<LLD		1.98E-02
3	0.5 MI N - MICROWAVE TOWER	6/28/2004	711.9		<LLD		4.57E-02
3	0.5 MI N - MICROWAVE TOWER	7/6/2004	812.6		<LLD		2.22E-02
3	0.5 MI N - MICROWAVE TOWER	7/11/2004	503.4		<LLD		3.51E-02
3	0.5 MI N - MICROWAVE TOWER	7/19/2004	814.2		<LLD		2.27E-02
3	0.5 MI N - MICROWAVE TOWER	7/26/2004	699.7		<LLD		1.92E-02
3	0.5 MI N - MICROWAVE TOWER	8/3/2004	799.9		<LLD		3.60E-02
3	0.5 MI N - MICROWAVE TOWER	8/10/2004	360.0		<LLD		6.28E-02
3	0.5 MI N - MICROWAVE TOWER	8/17/2004	699.5		<LLD		2.85E-02
3	0.5 MI N - MICROWAVE TOWER	8/23/2004	610.0		<LLD		2.56E-02
3	0.5 MI N - MICROWAVE TOWER	8/30/2004	693.4		<LLD		2.96E-02
3	0.5 MI N - MICROWAVE TOWER	9/7/2004	795.8		<LLD		2.66E-02
3	0.5 MI N - MICROWAVE TOWER	9/13/2004	611.4		<LLD		3.08E-02
3	0.5 MI N - MICROWAVE TOWER	9/20/2004	696.5		<LLD		2.29E-02
3	0.5 MI N - MICROWAVE TOWER	9/27/2004	695.1		<LLD		3.95E-02
3	0.5 MI N - MICROWAVE TOWER	10/4/2004	694.3		<LLD		3.53E-02
3	0.5 MI N - MICROWAVE TOWER	10/11/2004	704.5		<LLD		2.65E-02
3	0.5 MI N - MICROWAVE TOWER	10/18/2004	693.6		<LLD		4.83E-02
3	0.5 MI N - MICROWAVE TOWER	10/25/2004	692.1		<LLD		2.40E-02
3	0.5 MI N - MICROWAVE TOWER	11/1/2004	705.8		<LLD		1.04E-02
3	0.5 MI N - MICROWAVE TOWER	11/9/2004	460.4		<LLD		2.47E-02
3	0.5 MI N - MICROWAVE TOWER	11/15/2004	245.9		<LLD		6.94E-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	11/22/2004	588.7		<LLD		1.62E-02
3	0.5 MI N - MICROWAVE TOWER	11/29/2004	649.0		<LLD		2.26E-02
3	0.5 MI N - MICROWAVE TOWER	12/5/2004	556.7		<LLD		4.53E-02
3	0.5 MI N - MICROWAVE TOWER	12/13/2004	831.2		<LLD		1.75E-02
3	0.5 MI N - MICROWAVE TOWER	12/20/2004	805.6		<LLD		1.90E-02
3	0.5 MI N - MICROWAVE TOWER	12/27/2004	806.5		<LLD		1.85E-02
4	0.4 MI ESE - SPILLWAY	1/5/2004	566.6		<LLD		3.28E-02
4	0.4 MI ESE - SPILLWAY	1/12/2004	575.5		<LLD		1.47E-02
4	0.4 MI ESE - SPILLWAY	1/19/2004	599.4		<LLD		2.44E-02
4	0.4 MI ESE - SPILLWAY	1/27/2004	664.5		<LLD		1.60E-02
4	0.4 MI ESE - SPILLWAY	2/2/2004	472.7		<LLD		3.12E-02
4	0.4 MI ESE - SPILLWAY	2/9/2004	561.2		<LLD		1.04E-02
4	0.4 MI ESE - SPILLWAY	2/16/2004	587.0		<LLD		4.00E-02
4	0.4 MI ESE - SPILLWAY	2/23/2004	566.8		<LLD		2.45E-02
4	0.4 MI ESE - SPILLWAY	3/1/2004	559.4		<LLD		2.49E-02
4	0.4 MI ESE - SPILLWAY	3/8/2004	541.2		<LLD		3.40E-02
4	0.4 MI ESE - SPILLWAY	3/15/2004	544.7		<LLD		1.63E-02
4	0.4 MI ESE - SPILLWAY	3/22/2004	547.6		<LLD		6.27E-02
4	0.4 MI ESE - SPILLWAY	3/29/2004	531.7		<LLD		2.66E-02
4	0.4 MI ESE - SPILLWAY	4/5/2004	423.0		<LLD		3.40E-02
4	0.4 MI ESE - SPILLWAY	4/12/2004	558.7		<LLD		2.70E-02
4	0.4 MI ESE - SPILLWAY	4/19/2004	554.5		<LLD		2.10E-02
4	0.4 MI ESE - SPILLWAY	4/26/2004	573.2		<LLD		1.88E-02
4	0.4 MI ESE - SPILLWAY	5/3/2004	555.2		<LLD		3.06E-02
4	0.4 MI ESE - SPILLWAY	5/10/2004	532.2		<LLD		2.85E-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	5/17/2004	546.3		<LLD		3.48E-02
4	0.4 MI ESE - SPILLWAY	5/24/2004	544.6		<LLD		2.83E-02
4	0.4 MI ESE - SPILLWAY	6/1/2004	613.6		<LLD		9.24E-03
4	0.4 MI ESE - SPILLWAY	6/7/2004	456.6		<LLD		3.71E-02
4	0.4 MI ESE - SPILLWAY	6/15/2004	618.2		<LLD		2.89E-02
4	0.4 MI ESE - SPILLWAY	6/21/2004	459.0		<LLD		3.84E-02
4	0.4 MI ESE - SPILLWAY	6/28/2004	525.7		<LLD		2.70E-02
4	0.4 MI ESE - SPILLWAY	7/6/2004	625.7		<LLD		1.99E-02
4	0.4 MI ESE - SPILLWAY	7/11/2004	361.3		<LLD		2.84E-02
4	0.4 MI ESE - SPILLWAY	7/19/2004	599.5		<LLD		2.02E-02
4	0.4 MI ESE - SPILLWAY	7/26/2004	531.2		<LLD		4.13E-02
4	0.4 MI ESE - SPILLWAY	8/3/2004	583.8		<LLD		1.71E-02
4	0.4 MI ESE - SPILLWAY	8/10/2004	527.2		<LLD		3.02E-02
4	0.4 MI ESE - SPILLWAY	8/17/2004	520.0		<LLD		1.13E-02
4	0.4 MI ESE - SPILLWAY	8/23/2004	445.8		<LLD		2.22E-02
4	0.4 MI ESE - SPILLWAY	8/30/2004	516.9		<LLD		1.51E-02
4	0.4 MI ESE - SPILLWAY	9/7/2004	596.3		<LLD		1.93E-02
4	0.4 MI ESE - SPILLWAY	9/13/2004	455.1		<LLD		1.53E-02
4	0.4 MI ESE - SPILLWAY	9/20/2004	509.6		<LLD		2.45E-02
4	0.4 MI ESE - SPILLWAY	9/27/2004	518.0		<LLD		4.23E-02
4	0.4 MI ESE - SPILLWAY	10/4/2004	519.8		<LLD		2.16E-02
4	0.4 MI ESE - SPILLWAY	10/11/2004	514.3		<LLD		1.66E-02
4	0.4 MI ESE - SPILLWAY	10/18/2004	501.2		<LLD		2.10E-02
4	0.4 MI ESE - SPILLWAY	10/25/2004	512.7		<LLD		3.24E-02
4	0.4 MI ESE - SPILLWAY	11/1/2004	521.3		<LLD		1.42E-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	11/9/2004	582.9		<LLD		3.75E-02
4	0.4 MI ESE - SPILLWAY	11/15/2004	435.2		<LLD		2.29E-02
4	0.4 MI ESE - SPILLWAY	11/22/2004	515.7		<LLD		3.26E-02
4	0.4 MI ESE - SPILLWAY	11/29/2004	513.8		<LLD		6.03E-02
4	0.4 MI ESE - SPILLWAY	12/5/2004	445.0		<LLD		3.61E-02
4	0.4 MI ESE - SPILLWAY	12/13/2004	588.8		<LLD		4.12E-02
4	0.4 MI ESE - SPILLWAY	12/20/2004	524.7		<LLD		4.21E-02
4	0.4 MI ESE - SPILLWAY	12/27/2004	515.7		<LLD		3.26E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	1/5/2004	572.4		<LLD		3.41E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	1/12/2004	567.8		<LLD		3.53E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	1/19/2004	586.0		<LLD		3.03E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	1/27/2004	649.8		<LLD		1.80E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	2/2/2004	485.4		<LLD		1.47E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	2/9/2004	564.1		<LLD		2.45E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	2/16/2004	581.4		<LLD		2.98E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	2/23/2004	562.9		<LLD		1.96E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	3/1/2004	581.7		<LLD		2.86E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	3/8/2004	94.0		<LLD		8.58E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	3/15/2004	569.1		<LLD		2.52E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	3/22/2004	590.9		<LLD		4.15E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	3/29/2004	556.4		<LLD		1.99E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	4/5/2004	565.0		<LLD		4.09E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	4/12/2004	558.2		<LLD		3.14E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	4/19/2004	571.3		<LLD		2.81E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	4/26/2004	590.9		<LLD		2.84E-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 - NEAR JOHNSONS LANDING	5/3/2004	550.2		<LLD		1.84E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	5/10/2004	559.8		<LLD		3.95E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	5/17/2004	567.4		<LLD		4.03E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	5/24/2004	563.6		<LLD		2.89E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	6/1/2004	631.7		<LLD		1.70E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	6/7/2004	479.7		<LLD		1.97E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	6/15/2004	644.3		<LLD		2.38E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	6/21/2004	484.9		<LLD		3.41E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	6/28/2004	563.7		<LLD		2.92E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	7/6/2004	644.0		<LLD		3.00E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	7/11/2004	403.4		<LLD		3.55E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	7/19/2004	514.7		<LLD		3.21E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	7/26/2004	565.8		<LLD		2.75E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	8/3/2004	622.2		<LLD		2.89E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	8/10/2004	567.3		<LLD		4.05E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	8/17/2004	556.6		<LLD		2.66E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	8/23/2004	482.4		<LLD		3.71E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	8/30/2004	554.7		<LLD		1.61E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	9/7/2004	637.2		<LLD		1.58E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	9/13/2004	482.6		<LLD		3.74E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	9/20/2004	550.8		<LLD		1.92E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	9/27/2004	549.9		<LLD		3.49E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	10/4/2004	554.6		<LLD		3.37E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	10/11/2004	561.7		<LLD		2.14E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	10/18/2004	551.3		<LLD		1.57E-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 - NEAR JOHNSONS LANDING	10/25/2004	555.9		<LLD		2.10E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	11/1/2004	555.4		<LLD		1.32E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	11/9/2004	631.8		<LLD		3.47E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	11/15/2004	460.4		<LLD		4.34E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	11/22/2004	549.4		<LLD		1.23E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	11/29/2004	551.3		<LLD		2.66E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	12/5/2004	465.6		<LLD		3.34E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	12/13/2004	628.0		<LLD		1.88E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	12/20/2004	539.5		<LLD		2.40E-02
5	0.9 MI ENE - NEAR JOHNSONS LANDING	12/27/2004	514.1		<LLD		3.51E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/5/2004	513.4		<LLD		3.50E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/12/2004	535.7		<LLD		4.03E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/19/2004	555.0		<LLD		2.14E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/27/2004	601.5		<LLD		5.17E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/2/2004	460.3		<LLD		6.89E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/9/2004	522.6		<LLD		2.80E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/16/2004	542.9		<LLD		3.22E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/23/2004	523.8		<LLD		3.36E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/1/2004	527.7		<LLD		4.39E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/8/2004	497.3		<LLD		5.41E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/15/2004	518.1		<LLD		3.27E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/22/2004	522.6		<LLD		3.43E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/29/2004	506.8		<LLD		5.46E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	4/5/2004	557.4		<LLD		3.54E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	4/12/2004	607.7		<LLD		4.81E-02

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Iodine

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
6	0.2 MI SSW - NEAR INFORMATION CENTER	4/19/2004	834.6		<LLD		4.74E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	4/26/2004	582.2		<LLD		2.88E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/3/2004	726.6		<LLD		3.62E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/10/2004	693.8		<LLD		2.78E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/17/2004	728.2		<LLD		3.65E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/24/2004	728.8		<LLD		3.28E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/1/2004	791.5		<LLD		2.82E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/7/2004	615.2		<LLD		2.77E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/15/2004	829.3		<LLD		3.42E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/21/2004	625.4		<LLD		1.37E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/28/2004	729.4		<LLD		4.61E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/6/2004	832.2		<LLD		1.37E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/11/2004	524.6		<LLD		4.22E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/19/2004	820.9		<LLD		1.98E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/26/2004	741.2		<LLD		2.96E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/3/2004	781.8		<LLD		2.70E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/10/2004	719.8		<LLD		2.83E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/17/2004	785.4		<LLD		2.90E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/23/2004	567.5		<LLD		3.25E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/30/2004	670.4		<LLD		4.05E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	9/7/2004	789.1		<LLD		3.28E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	9/13/2004	607.6		<LLD		3.89E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	9/20/2004	695.3		<LLD		2.74E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	9/27/2004	700.9		<LLD		4.62E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/4/2004	696.3		<LLD		3.26E-02

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Iodine

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/11/2004	706.6		<LLD		2.11E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/18/2004	720.9		<LLD		3.52E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/25/2004	709.3		<LLD		2.44E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/1/2004	719.1		<LLD		2.06E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/9/2004	823.1		<LLD		2.88E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/15/2004	619.3		<LLD		2.10E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/22/2004	725.1		<LLD		2.62E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/29/2004	726.4		<LLD		4.74E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/5/2004	634.7		<LLD		3.06E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/13/2004	825.1		<LLD		3.14E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/20/2004	742.7		<LLD		2.52E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/27/2004	729.1		<LLD		2.52E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	1/5/2004	568.2		<LLD		3.11E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	1/12/2004	565.0		<LLD		1.23E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	1/19/2004	571.4		<LLD		1.56E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	1/27/2004	656.7		<LLD		2.55E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	2/2/2004	487.9		<LLD		3.30E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	2/9/2004	566.9		<LLD		3.45E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	2/16/2004	562.1		<LLD		1.09E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	2/23/2004	583.4		<LLD		2.25E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	3/1/2004	563.9		<LLD		2.05E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	3/8/2004	572.5		<LLD		3.09E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	3/15/2004	570.2		<LLD		2.51E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	3/22/2004	585.9		<LLD		2.62E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	3/29/2004	558.3		<LLD		4.16E-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*
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	4/5/2004	602.1		<LLD		2.62E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	4/12/2004	625.2		<LLD		2.70E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	4/19/2004	816.1		<LLD		7.53E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	4/26/2004	594.4		<LLD		3.06E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	5/3/2004	698.1		<LLD		2.04E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	5/10/2004	734.1		<LLD		1.46E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	5/17/2004	731.6		<LLD		1.22E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	5/24/2004	724.2		<LLD		2.18E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	6/1/2004	822.2		<LLD		3.95E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	6/7/2004	621.7		<LLD		1.67E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	6/15/2004	820.7		<LLD		1.99E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	6/21/2004	625.4		<LLD		2.05E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	6/28/2004	721.9		<LLD		1.87E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	7/6/2004	33.1		<LLD		3.31E-01
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	7/11/2004	320.9		<LLD		3.19E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	7/19/2004	828.8		<LLD		1.89E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	7/26/2004	719.9		<LLD		1.88E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	8/3/2004	819.3		<LLD		1.29E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	8/10/2004	730.5		<LLD		2.32E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	8/17/2004	724.4		<LLD		1.67E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	8/23/2004	626.2		<LLD		1.93E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	8/30/2004	714.5		<LLD		1.55E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	9/7/2004	807.9		<LLD		2.05E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	9/13/2004	620.2		<LLD		2.25E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	9/20/2004	699.0		<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*
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	9/27/2004	702.2		<LLD		1.78E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	10/4/2004	704.9		<LLD		1.02E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	10/11/2004	712.3		<LLD		2.07E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	10/18/2004	700.5		<LLD		1.75E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	10/25/2004	712.3		<LLD		1.64E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	11/1/2004	699.7		<LLD		1.30E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	11/9/2004	806.3		<LLD		1.13E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	11/15/2004	586.4		<LLD		2.03E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	11/22/2004	705.5		<LLD		9.94E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	11/29/2004	707.8		<LLD		2.22E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	12/5/2004	590.0		<LLD		3.54E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	12/13/2004	802.4		<LLD		1.05E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	12/20/2004	692.5		<LLD		2.43E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	12/27/2004	665.1		<LLD		2.33E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/5/2004	579.3		<LLD		2.32E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/12/2004	579.9		<LLD		1.97E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/19/2004	597.0		<LLD		2.82E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/27/2004	658.6		<LLD		3.08E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/2/2004	492.0		<LLD		4.07E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/9/2004	568.0		<LLD		3.59E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/16/2004	586.5		<LLD		3.20E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/23/2004	573.4		<LLD		3.39E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/1/2004	570.7		<LLD		3.50E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/8/2004	558.5		<LLD		3.98E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/15/2004	558.9		<LLD		1.38E-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	3/22/2004	573.8		<LLD		2.50E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/29/2004	547.4		<LLD		2.79E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/5/2004	571.7		<LLD		2.02E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/12/2004	584.4		<LLD		3.74E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/19/2004	592.6		<LLD		3.64E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/26/2004	552.8		<LLD		2.78E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/3/2004	599.6		<LLD		3.41E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/10/2004	573.0		<LLD		2.17E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/17/2004	591.4		<LLD		3.00E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/24/2004	587.5		<LLD		3.04E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/1/2004	668.7		<LLD		2.18E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/7/2004	505.2		<LLD		3.76E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/15/2004	661.1		<LLD		2.56E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/21/2004	504.4		<LLD		2.39E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/28/2004	583.8		<LLD		2.82E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/6/2004	668.4		<LLD		1.57E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/11/2004	420.4		<LLD		4.40E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/19/2004	670.7		<LLD		1.85E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/26/2004	599.7		<LLD		2.42E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/3/2004	646.3		<LLD		3.28E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/10/2004	687.7		<LLD		1.75E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/17/2004	576.3		<LLD		3.07E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/23/2004	496.0		<LLD		3.39E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/30/2004	572.1		<LLD		1.73E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/7/2004	653.4		<LLD		1.54E-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	9/13/2004	496.3		<LLD		4.08E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/20/2004	561.7		<LLD		2.71E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/27/2004	566.7		<LLD		3.69E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/4/2004	567.5		<LLD		3.30E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/11/2004	564.4		<LLD		2.14E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/18/2004	567.2		<LLD		2.64E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/25/2004	563.3		<LLD		4.78E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/1/2004	574.1		<LLD		2.25E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/9/2004	639.8		<LLD		3.43E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/15/2004	470.7		<LLD		4.32E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/22/2004	560.2		<LLD		2.46E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/29/2004	557.9		<LLD		3.02E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/5/2004	474.7		<LLD		3.33E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/13/2004	632.7		<LLD		4.20E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/20/2004	547.3		<LLD		2.70E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/27/2004	542.4		<LLD		1.94E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	1/5/2004	544.4		<LLD		3.50E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	1/12/2004	556.9		<LLD		2.75E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	1/19/2004	579.7		<LLD		4.71E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	1/27/2004	626.7		<LLD		4.18E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	2/2/2004	474.7		<LLD		4.57E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	2/9/2004	542.7		<LLD		2.70E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	2/16/2004	561.7		<LLD		4.88E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	2/23/2004	539.8		<LLD		3.08E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	3/1/2004	543.4		<LLD		4.24E-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	3/8/2004	520.3		<LLD		6.32E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	3/15/2004	536.9		<LLD		1.67E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	3/22/2004	546.3		<LLD		4.89E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	3/29/2004	518.2		<LLD		5.68E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	4/5/2004	501.4		<LLD		4.50E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	4/12/2004	639.5		<LLD		5.87E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	4/19/2004	748.3		<LLD		4.23E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	4/26/2004	553.4		<LLD		3.19E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	5/3/2004	648.6		<LLD		3.17E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	5/10/2004	619.0		<LLD		1.90E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	5/17/2004	635.2		<LLD		3.24E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	5/24/2004	633.3		<LLD		2.94E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	6/1/2004	714.7		<LLD		2.51E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	6/7/2004	533.3		<LLD		4.98E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	6/15/2004	719.6		<LLD		2.66E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	6/21/2004	542.2		<LLD		1.37E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	6/28/2004	628.1		<LLD		2.13E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	7/6/2004	716.1		<LLD		2.25E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	7/11/2004	449.3		<LLD		4.93E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	7/19/2004	708.8		<LLD		3.25E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	7/26/2004	635.9		<LLD		1.98E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	8/3/2004	693.3		<LLD		3.05E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	8/10/2004	627.8		<LLD		3.07E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	8/17/2004	621.5		<LLD		4.47E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	8/23/2004	527.7		<LLD		4.99E-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	8/30/2004	615.9		<LLD		3.04E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	9/7/2004	698.2		<LLD		4.41E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	9/13/2004	525.3		<LLD		1.88E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	9/20/2004	598.3		<LLD		4.18E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	9/27/2004	597.4		<LLD		5.42E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	10/4/2004	605.7		<LLD		3.75E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	10/11/2004	606.7		<LLD		1.46E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	10/18/2004	605.0		<LLD		3.25E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	10/25/2004	576.4		<LLD		1.29E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	11/1/2004	573.9		<LLD		2.22E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	11/9/2004	668.8		<LLD		4.13E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	11/15/2004	495.2		<LLD		2.45E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	11/22/2004	606.8		<LLD		1.94E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	11/29/2004	588.1		<LLD		2.85E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	12/5/2004	525.0		<LLD		6.34E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	12/13/2004	691.4		<LLD		2.09E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	12/20/2004	617.4		<LLD		2.96E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	12/27/2004	587.4		<LLD		3.11E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	1/5/2004	536.0		<LLD		1.66E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	1/12/2004	530.0		<LLD		2.26E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	1/19/2004	558.4		<LLD		2.90E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	1/27/2004	585.8		<LLD		2.59E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	2/2/2004	445.5		<LLD		2.56E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	2/9/2004	538.6		<LLD		4.58E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	2/16/2004	568.3		<LLD		2.52E-02

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Iodine

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	2/23/2004	533.8		<LLD		3.97E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	3/1/2004	532.2		<LLD		3.30E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	3/8/2004	557.4		<LLD		2.39E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	3/15/2004	529.2		<LLD		4.06E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	3/22/2004	605.0		<LLD		3.02E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	3/29/2004	591.4		<LLD		2.58E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	4/5/2004	580.5		<LLD		9.83E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	4/12/2004	620.5		<LLD		3.44E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	4/19/2004	631.6		<LLD		2.42E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	4/26/2004	572.9		<LLD		2.10E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	5/3/2004	658.2		<LLD		1.26E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	5/10/2004	631.7		<LLD		1.70E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	5/17/2004	678.0		<LLD		1.67E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	5/24/2004	672.2		<LLD		1.48E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	6/1/2004	729.6		<LLD		2.80E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	6/7/2004	564.6		<LLD		2.25E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	6/15/2004	759.4		<LLD		1.92E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	6/21/2004	572.1		<LLD		2.28E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	6/28/2004	660.0		<LLD		2.04E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	7/6/2004	756.1		<LLD		2.76E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	7/11/2004	477.0		<LLD		2.46E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	7/19/2004	755.4		<LLD		1.62E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	7/26/2004	679.9		<LLD		2.82E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	8/3/2004	720.4		<LLD		1.67E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	8/10/2004	663.8		<LLD		1.57E-02

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Iodine

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	8/17/2004	657.8		<LLD		2.32E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	8/23/2004	562.2		<LLD		1.62E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	8/30/2004	654.7		<LLD		1.03E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	9/7/2004	741.4		<LLD		2.45E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	9/13/2004	555.0		<LLD		1.84E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	9/20/2004	646.2		<LLD		2.31E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	9/27/2004	641.1		<LLD		2.36E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	10/4/2004	649.0		<LLD		4.25E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	10/11/2004	635.6		<LLD		2.95E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	10/18/2004	648.3		<LLD		2.70E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	10/25/2004	636.1		<LLD		3.38E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	11/1/2004	648.3		<LLD		2.56E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	11/9/2004	729.4		<LLD		2.90E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	11/15/2004	528.5		<LLD		1.87E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	11/22/2004	465.4		<LLD		3.51E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	11/29/2004	796.9		<LLD		2.91E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	12/5/2004	528.4		<LLD		2.66E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	12/13/2004	715.4		<LLD		3.02E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	12/20/2004	606.5		<LLD		2.34E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	12/27/2004	600.0		<LLD		1.76E-02

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Tritium

Sample Point		*Sample Date*	*Efficiency*	*Quantity*	*Activity*	*2 Sigma Error*	*LLD*
42	UNIT 1 OR UNIT 2 DEEP WELL	2/9/2004	0.437	0.005	<LLD		3.05E+02
42	UNIT 1 OR UNIT 2 DEEP WELL	4/12/2004	0.422	0.005	<LLD		3.22E+02
42	UNIT 1 OR UNIT 2 DEEP WELL	7/9/2004	0.422	0.005	<LLD		3.18E+02
42	UNIT 1 OR UNIT 2 DEEP WELL	9/27/2004	0.421	0.005	<LLD		3.16E+02
42	UNIT 1 OR UNIT 2 DEEP WELL	12/13/2004	0.423	0.005	<LLD		3.04E+02
64	SC 23 @ BLACK CREEK	2/9/2004	0.435	0.005	<LLD		3.07E+02
64	SC 23 @ BLACK CREEK	4/12/2004	0.421	0.005	<LLD		3.23E+02
64	SC 23 @ BLACK CREEK	7/9/2004	0.422	0.005	<LLD		3.18E+02
64	SC 23 @ BLACK CREEK	9/27/2004	0.423	0.005	<LLD		3.15E+02
64	SC 23 @ BLACK CREEK	12/13/2004	0.424	0.005	<LLD		3.04E+02

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Tritium

Sample Point		*Sample Date*	*Efficiency*	*Quantity*	*Activity*	*2 Sigma Error*	*LLD*
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	1/12/2004	0.439	0.005	2.57E+03	2.19E+02	3.04E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	2/14/2004	0.417	0.005	3.55E+03	2.42E+02	3.22E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	3/16/2004	0.41	0.005	5.05E+03	2.60E+02	3.22E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	4/19/2004	0.419	0.005	6.17E+03	2.66E+02	3.11E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	5/17/2004	0.429	0.005	5.78E+03	2.57E+02	3.03E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	6/18/2004	0.424	0.005	4.01E+03	2.44E+02	3.16E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	7/20/2004	0.42	0.005	2.86E+03	2.30E+02	3.16E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	8/20/2004	0.42	0.005	1.97E+03	2.22E+02	3.21E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	9/20/2004	0.425	0.005	9.37E+02	1.99E+02	3.05E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	10/18/2004	0.423	0.005	6.69E+02	1.99E+02	3.12E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	11/18/2004	0.421	0.005	1.32E+03	2.10E+02	3.15E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	12/20/2004	0.414	0.005	1.42E+03	2.29E+02	3.46E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	1/12/2004	0.438	0.005	<LLD		3.04E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	2/14/2004	0.418	0.005	<LLD		3.21E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	3/16/2004	0.41	0.005	<LLD		3.22E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	4/19/2004	0.418	0.005	<LLD		3.12E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/17/2004	0.427	0.005	<LLD		3.05E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	6/18/2004	0.424	0.005	<LLD		3.16E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	7/20/2004	0.423	0.005	<LLD		3.13E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	8/20/2004	0.419	0.005	<LLD		3.22E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	9/20/2004	0.425	0.005	<LLD		3.05E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	10/18/2004	0.424	0.005	<LLD		3.11E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	11/18/2004	0.421	0.005	<LLD		3.15E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	12/20/2004	0.413	0.005	<LLD		3.47E+02

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Tritium

Sample Point		Sample Date	Efficiency	Quantity	Activity	2 Sigma Error	LLD
57	ASH POND	1/12/2004	0.437	0.005	2.41E+03	2.18E+02	3.05E+02
57	ASH POND	2/14/2004	0.419	0.005	1.70E+03	2.18E+02	3.21E+02
57	ASH POND	3/16/2004	0.411	0.005	4.60E+03	2.55E+02	3.21E+02
57	ASH POND	4/19/2004	0.419	0.005	5.45E+03	2.59E+02	3.11E+02
57	ASH POND	5/17/2004	0.425	0.005	5.66E+03	2.58E+02	3.06E+02
57	ASH POND	6/18/2004	0.424	0.005	3.80E+03	2.42E+02	3.16E+02
57	ASH POND	7/20/2004	0.423	0.005	2.54E+03	2.25E+02	3.13E+02
57	ASH POND	8/20/2004	0.418	0.005	1.80E+03	2.21E+02	3.23E+02
57	ASH POND	9/20/2004	0.423	0.005	9.71E+02	2.00E+02	3.06E+02
57	ASH POND	10/18/2004	0.423	0.005	4.86E+02	1.96E+02	3.12E+02
57	ASH POND	11/18/2004	0.419	0.005	1.27E+03	2.10E+02	3.16E+02
57	ASH POND	12/20/2004	0.413	0.005	1.40E+03	2.29E+02	3.47E+02

2004 HBRSEP (RNP)

Radiological Environmental Monitoring Gamma Isotopic Report

Comments

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

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
1	24.4 MI ESE - FLORENCE - CONTROL	2/12/2004	7285.4	K-40	1.58E-02	9.77E-03	
1	24.4 MI ESE - FLORENCE - CONTROL	2/12/2004	7285.4	BI-214	1.70E-03	1.17E-03	
1	24.4 MI ESE - FLORENCE - CONTROL	2/12/2004	7285.4	PB-214	2.41E-03	1.23E-03	
1	24.4 MI ESE - FLORENCE - CONTROL	2/12/2004	7285.4	BE-7	1.33E-01	1.84E-02	
1	24.4 MI ESE - FLORENCE - CONTROL	5/17/2004	7662.8	BE-7	1.43E-01	1.71E-02	
1	24.4 MI ESE - FLORENCE - CONTROL	8/12/2004	7649.5	BE-7	1.03E-01	1.77E-02	
1	24.4 MI ESE - FLORENCE - CONTROL	11/15/2004	7510.5	BE-7	9.73E-02	1.62E-02	
1	24.4 MI ESE - FLORENCE - CONTROL	11/15/2004	7510.5	PB-214	1.29E-03	8.56E-04	
2	0.2 MI S - INFORMATION CENTER	2/12/2004	7074.8	BE-7	1.32E-01	2.06E-02	
2	0.2 MI S - INFORMATION CENTER	5/17/2004	8292.3	BE-7	1.17E-01	1.88E-02	
2	0.2 MI S - INFORMATION CENTER	8/12/2004	8255.8	TL-208	4.73E-04	3.56E-04	
2	0.2 MI S - INFORMATION CENTER	8/12/2004	8255.8	BE-7	9.28E-02	1.92E-02	
2	0.2 MI S - INFORMATION CENTER	11/15/2004	7971.1	BE-7	9.05E-02	1.64E-02	
3	0.5 MI N - MICROWAVE TOWER	2/12/2004	7529.3	BE-7	1.43E-01	2.58E-02	
3	0.5 MI N - MICROWAVE TOWER	5/17/2004	8308.7	BE-7	1.07E-01	2.08E-02	
3	0.5 MI N - MICROWAVE TOWER	5/17/2004	8308.7	PB-214	1.58E-03	1.40E-03	
3	0.5 MI N - MICROWAVE TOWER	8/12/2004	8791.5	BE-7	7.54E-02	2.32E-02	
3	0.5 MI N - MICROWAVE TOWER	8/12/2004	8791.5	K-40	2.45E-02	1.54E-02	
3	0.5 MI N - MICROWAVE TOWER	11/15/2004	8434.3	RA-226	9.86E-03	7.07E-03	
3	0.5 MI N - MICROWAVE TOWER	11/15/2004	8434.3	PB-214	1.29E-03	8.46E-04	
3	0.5 MI N - MICROWAVE TOWER	11/15/2004	8434.3	BE-7	8.97E-02	1.50E-02	
4	0.4 MI ESE - SPILLWAY	2/12/2004	7318.3	BI-214	3.87E-03	1.69E-03	
4	0.4 MI ESE - SPILLWAY	2/12/2004	7318.3	PB-214	2.92E-03	1.69E-03	
4	0.4 MI ESE - SPILLWAY	2/12/2004	7318.3	BE-7	1.35E-01	2.39E-02	
4	0.4 MI ESE - SPILLWAY	5/17/2004	6960.8	BE-7	1.41E-01	2.84E-02	
4	0.4 MI ESE - SPILLWAY	8/12/2004	6790.4	BE-7	1.25E-01	2.82E-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
4	0.4 MI ESE - SPILLWAY	11/15/2004	6691.1	BE-7	8.87E-02	2.68E-02	
4	0.4 MI ESE - SPILLWAY	11/15/2004	6691.1	TL-208	1.43E-03	8.52E-04	
4	0.4 MI ESE - SPILLWAY	11/15/2004	6691.1	PB-214	3.17E-03	2.53E-03	
5	0.9 MI ENE - NEAR JOHNSONS LANDING	2/12/2004	6961.9	K-40	1.49E-02	1.28E-02	
5	0.9 MI ENE - NEAR JOHNSONS LANDING	2/12/2004	6961.9	PB-214	2.52E-03	1.34E-03	
5	0.9 MI ENE - NEAR JOHNSONS LANDING	2/12/2004	6961.9	BE-7	8.86E-02	1.70E-02	
5	0.9 MI ENE - NEAR JOHNSONS LANDING	2/12/2004	6961.9	BI-214	4.67E-03	1.38E-03	
5	0.9 MI ENE - NEAR JOHNSONS LANDING	5/17/2004	7330.7	BE-7	1.43E-01	1.87E-02	
5	0.9 MI ENE - NEAR JOHNSONS LANDING	5/17/2004	7330.7	PB-214	1.89E-03	1.32E-03	
5	0.9 MI ENE - NEAR JOHNSONS LANDING	8/12/2004	7131.6	BE-7	1.31E-01	1.98E-02	
5	0.9 MI ENE - NEAR JOHNSONS LANDING	11/15/2004	7119	BE-7	9.25E-02	1.82E-02	
5	0.9 MI ENE - NEAR JOHNSONS LANDING	11/15/2004	7119	K-40	1.68E-02	1.14E-02	
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/12/2004	6827.7	BE-7	1.38E-01	2.15E-02	
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/12/2004	6827.7	K-40	2.23E-02	1.81E-02	
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/17/2004	9050.1	BE-7	1.15E-01	1.60E-02	
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/17/2004	9050.1	BI-214	1.65E-03	1.43E-02	
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/12/2004	9236.7	K-40	1.46E-02	1.14E-02	
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/12/2004	9236.7	BE-7	9.84E-02	1.83E-02	
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/15/2004	9377.7	BE-7	7.67E-02	1.79E-02	
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/15/2004	9377.7	PB-214	2.00E-03	1.33E-03	
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/15/2004	9377.7	BI-214	2.16E-03	1.03E-03	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/12/2004	7412.4	PB-214	1.33E-03	8.73E-04	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/12/2004	7412.4	BE-7	1.27E-01	1.82E-02	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/17/2004	9137.7	BI-214	1.69E-03	1.46E-03	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/17/2004	9137.7	BE-7	1.10E-01	2.07E-02	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	8/12/2004	8346.9	BE-7	1.14E-01	2.60E-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
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/15/2004	9085.7	BE-7	6.96E-02	1.40E-02	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/15/2004	9085.7	PB-212	1.29E-03	6.00E-04	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/15/2004	9085.7	K-40	6.95E-03	6.52E-03	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/12/2004	7444	BE-7	1.27E-01	1.91E-02	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/17/2004	7576.2	BE-7	1.24E-01	1.70E-02	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/12/2004	7615.7	BE-7	1.31E-01	2.29E-02	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/12/2004	7615.7	PB-214	1.34E-03	9.53E-04	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/15/2004	7262.2	BE-7	8.91E-02	1.96E-02	
60	0.2 MI SE - ROBINSON PICNIC AREA	2/12/2004	7091.7	BE-7	1.29E-01	2.53E-02	
60	0.2 MI SE - ROBINSON PICNIC AREA	5/17/2004	8117.2	BE-7	1.32E-01	1.86E-02	
60	0.2 MI SE - ROBINSON PICNIC AREA	8/12/2004	8015.5	BE-7	9.40E-02	1.88E-02	
60	0.2 MI SE - ROBINSON PICNIC AREA	11/15/2004	7747.8	BE-7	1.06E-01	1.63E-02	
60	0.2 MI SE - ROBINSON PICNIC AREA	11/15/2004	7747.8	PB-212	6.48E-04	6.12E-04	
60	0.2 MI SE - ROBINSON PICNIC AREA	11/15/2004	7747.8	BI-214	9.27E-03	2.03E-03	
60	0.2 MI SE - ROBINSON PICNIC AREA	11/15/2004	7747.8	PB-214	7.02E-03	1.61E-03	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	2/12/2004	7111.6	BE-7	1.25E-01	2.21E-02	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/17/2004	8331.3	BE-7	1.32E-01	2.59E-02	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	8/12/2004	8511	BE-7	1.04E-01	2.30E-02	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	8/12/2004	8511	BI-214	1.23E-03	1.04E-03	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	11/15/2004	8187.8	BE-7	1.06E-01	1.75E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/24/2004	534.7	K-40	1.45E+00	3.73E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/24/2004	534.7	PB-212	5.69E-02	3.68E-02	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/24/2004	534.7	RA-226	3.73E-01	3.32E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/24/2004	534.7	I-131	<LLD		2.62E-02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/24/2004	534.7	CS-134	<LLD		2.72E-02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/24/2004	534.7	CS-137	<LLD		2.86E-02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/24/2004	534.7	BE-7	2.22E-01	1.87E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/25/2004	620.7	K-40	1.50E+00	2.99E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/25/2004	620.7	I-131	<LLD		2.33E-02
45	SITE VARIES WITHIN LAKE ROBINSON	5/25/2004	620.7	AC-228	4.57E-01	8.53E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/25/2004	620.7	RA-226	8.84E-01	3.96E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/25/2004	620.7	PB-214	3.20E-01	5.10E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/25/2004	620.7	BI-214	2.97E-01	4.65E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/25/2004	620.7	PB-212	1.61E-01	2.07E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/25/2004	620.7	CS-134	<LLD		2.69E-02
45	SITE VARIES WITHIN LAKE ROBINSON	5/25/2004	620.7	TL-208	4.96E-02	2.06E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/25/2004	620.7	CS-137	<LLD		2.42E-02
45	SITE VARIES WITHIN LAKE ROBINSON	5/25/2004	620.7	BE-7	8.85E-01	1.83E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/25/2004	620.7	BI-212	3.27E-01	1.51E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/26/2004	560.1	TL-208	2.84E-02	2.35E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/26/2004	560.1	PB-212	8.14E-02	2.62E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/26/2004	560.1	PB-214	4.74E-02	4.06E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/26/2004	560.1	I-131	<LLD		2.34E-02
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/26/2004	560.1	CS-134	<LLD		2.76E-02
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/26/2004	560.1	CS-137	<LLD		2.60E-02
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/26/2004	560.1	K-40	6.90E-01	3.35E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
54	10.1 MI E - AUBURNDALE PLANTATION	5/26/2004	530.5	K-40	1.83E+00	4.08E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/26/2004	530.5	CS-134	<LLD		6.43E-02
54	10.1 MI E - AUBURNDALE PLANTATION	5/26/2004	530.5	I-131	<LLD		3.33E-02
54	10.1 MI E - AUBURNDALE PLANTATION	5/26/2004	530.5	AC-228	3.62E+00	2.03E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/26/2004	530.5	RA-226	7.12E+00	8.62E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/26/2004	530.5	PB-214	7.28E-01	7.96E-02	
54	10.1 MI E - AUBURNDALE PLANTATION	5/26/2004	530.5	BI-214	6.93E-01	8.50E-02	
54	10.1 MI E - AUBURNDALE PLANTATION	5/26/2004	530.5	PB-212	9.95E-01	5.38E-02	
54	10.1 MI E - AUBURNDALE PLANTATION	5/26/2004	530.5	TL-208	3.39E-01	4.27E-02	
54	10.1 MI E - AUBURNDALE PLANTATION	5/26/2004	530.5	CS-137	<LLD		3.87E-02
54	10.1 MI E - AUBURNDALE PLANTATION	5/26/2004	530.5	BE-7	4.85E-01	2.32E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/26/2004	530.5	BI-212	7.57E-01	3.06E-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
45	SITE VARIES WITHIN LAKE ROBINSON	5/25/2004	619.5	BI-214	1.22E-01	4.69E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/25/2004	619.5	K-40	2.67E+00	6.82E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	11/23/2004	524.1	K-40	2.74E+00	7.61E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/26/2004	518.6	CS-137	6.41E-02	3.36E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/26/2004	518.6	BI-214	7.21E-02	4.87E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/26/2004	518.6	K-40	2.52E+00	7.59E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/23/2004	545.7	K-40	2.19E+00	6.82E-01	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/24/2004	491	BI-214	1.29E-01	6.64E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/24/2004	491	K-40	2.30E+00	7.41E-01	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/22/2004	537.9	PB-214	1.49E-01	6.81E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/22/2004	537.9	PB-212	7.01E-02	4.54E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/22/2004	537.9	K-40	3.41E+00	7.32E-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
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/24/2004	483.3	AC-228	2.54E+00	4.37E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/24/2004	483.3	K-40	4.03E+00	1.31E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/24/2004	483.3	CS-137	2.23E-01	9.98E-02	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/24/2004	483.3	RA-226	6.56E+00	2.59E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/24/2004	483.3	PB-214	2.01E+00	3.42E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/24/2004	483.3	BI-214	2.08E+00	2.92E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/24/2004	483.3	PB-212	2.72E+00	2.40E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/24/2004	483.3	BI-212	1.97E+00	1.03E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/24/2004	483.3	TL-208	8.46E-01	1.62E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/25/2004	301.8	CS-137	1.32E+00	2.52E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/25/2004	301.8	PB-212	1.86E+00	2.56E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/25/2004	301.8	BI-214	3.00E+00	4.22E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/25/2004	301.8	PB-214	2.75E+00	4.76E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/25/2004	301.8	RA-226	6.92E+00	3.30E+00	
45	SITE VARIES WITHIN LAKE ROBINSON	5/25/2004	301.8	AC-228	1.45E+00	6.20E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/25/2004	301.8	TL-208	4.90E-01	2.43E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/25/2004	301.8	CO-60	4.57E-01	2.40E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/25/2004	266.1	RA-226	4.37E+00	2.60E+00	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/25/2004	266.1	K-40	2.88E+00	1.58E+00	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/25/2004	266.1	CS-137	4.06E-01	1.54E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/25/2004	266.1	PB-214	1.70E+00	3.83E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/25/2004	266.1	BI-214	1.82E+00	3.81E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/25/2004	266.1	PB-212	9.14E-01	1.88E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/25/2004	266.1	BI-212	1.55E+00	6.20E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/25/2004	266.1	TL-208	2.48E-01	1.34E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/25/2004	1037.4	AC-228	2.24E+00	3.12E-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
54	10.1 MI E - AUBURNDALE PLANTATION	5/25/2004	1037.4	TL-208	5.70E-01	8.45E-02	
54	10.1 MI E - AUBURNDALE PLANTATION	5/25/2004	1037.4	BI-212	1.62E+00	4.92E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/25/2004	1037.4	PB-212	1.59E+00	1.21E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/25/2004	1037.4	BI-214	1.88E+00	1.99E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/25/2004	1037.4	PB-214	1.75E+00	1.90E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/25/2004	1037.4	RA-226	3.43E+00	1.44E+00	
54	10.1 MI E - AUBURNDALE PLANTATION	5/25/2004	1037.4	K-40	1.50E+00	5.87E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
50	SSE - CLOSE TO SITE BOUNDARY	4/29/2004	CHERRY	452.2	CS-134	<LLD		2.37E-02
50	SSE - CLOSE TO SITE BOUNDARY	4/29/2004	CHERRY	452.2	CS-137	<LLD		2.52E-02
50	SSE - CLOSE TO SITE BOUNDARY	4/29/2004	CHERRY	452.2	I-131	<LLD		2.49E-02
50	SSE - CLOSE TO SITE BOUNDARY	4/29/2004	CHERRY	452.2	K-40	5.04E+00	5.14E-01	
50	SSE - CLOSE TO SITE BOUNDARY	4/29/2004	CHERRY	452.2	PB-214	4.76E-02	4.52E-02	
50	SSE - CLOSE TO SITE BOUNDARY	4/29/2004	DOGWOOD	444.9	AC-228	1.96E-01	9.99E-02	
50	SSE - CLOSE TO SITE BOUNDARY	4/29/2004	DOGWOOD	444.9	CS-134	<LLD		3.41E-02
50	SSE - CLOSE TO SITE BOUNDARY	4/29/2004	DOGWOOD	444.9	CS-137	<LLD		3.42E-02
50	SSE - CLOSE TO SITE BOUNDARY	4/29/2004	DOGWOOD	444.9	I-131	<LLD		3.53E-02
50	SSE - CLOSE TO SITE BOUNDARY	4/29/2004	DOGWOOD	444.9	K-40	1.83E+00	4.55E-01	
50	SSE - CLOSE TO SITE BOUNDARY	4/29/2004	DOGWOOD	444.9	PB-212	1.98E-01	5.09E-02	
50	SSE - CLOSE TO SITE BOUNDARY	4/29/2004	DOGWOOD	444.9	PB-214	5.00E-02	4.82E-02	
50	SSE - CLOSE TO SITE BOUNDARY	4/29/2004	DOGWOOD	444.9	TL-208	4.59E-02	3.68E-02	
50	SSE - CLOSE TO SITE BOUNDARY	4/29/2004	WAX MYRTLE	427.3	BE-7	7.27E-01	2.30E-01	
50	SSE - CLOSE TO SITE BOUNDARY	4/29/2004	WAX MYRTLE	427.3	CS-134	<LLD		3.45E-02
50	SSE - CLOSE TO SITE BOUNDARY	4/29/2004	WAX MYRTLE	427.3	CS-137	<LLD		3.37E-02
50	SSE - CLOSE TO SITE BOUNDARY	4/29/2004	WAX MYRTLE	427.3	I-131	<LLD		3.54E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
50	SSE - CLOSE TO SITE BOUNDARY	4/29/2004	WAX MYRTLE	427.3	K-40	4.10E+00	5.25E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/27/2004	CHERRY	462.9	AC-228	1.29E-01	7.51E-02	
50	SSE - CLOSE TO SITE BOUNDARY	5/27/2004	CHERRY	462.9	BE-7	3.85E-01	1.65E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/27/2004	CHERRY	462.9	CS-134	<LLD		3.25E-02
50	SSE - CLOSE TO SITE BOUNDARY	5/27/2004	CHERRY	462.9	CS-137	<LLD		2.94E-02
50	SSE - CLOSE TO SITE BOUNDARY	5/27/2004	CHERRY	462.9	I-131	<LLD		3.37E-02
50	SSE - CLOSE TO SITE BOUNDARY	5/27/2004	CHERRY	462.9	K-40	3.75E+00	5.49E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/27/2004	DOGWOOD	481.4	AC-228	2.39E-01	1.08E+02	
50	SSE - CLOSE TO SITE BOUNDARY	5/27/2004	DOGWOOD	481.4	BE-7	6.30E-01	2.50E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/27/2004	DOGWOOD	481.4	CS-134	<LLD		3.24E-02
50	SSE - CLOSE TO SITE BOUNDARY	5/27/2004	DOGWOOD	481.4	CS-137	<LLD		3.47E-02
50	SSE - CLOSE TO SITE BOUNDARY	5/27/2004	DOGWOOD	481.4	I-131	<LLD		3.62E-02
50	SSE - CLOSE TO SITE BOUNDARY	5/27/2004	DOGWOOD	481.4	K-40	2.57E+00	4.72E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/27/2004	DOGWOOD	481.4	PB-212	1.50E-01	5.09E-02	
50	SSE - CLOSE TO SITE BOUNDARY	5/27/2004	DOGWOOD	481.4	PB-214	5.75E-02	4.09E-02	
50	SSE - CLOSE TO SITE BOUNDARY	5/27/2004	DOGWOOD	481.4	TL-208	6.14E-02	2.54E-02	
50	SSE - CLOSE TO SITE BOUNDARY	5/27/2004	WAX MYRTLE	466.7	BE-7	6.12E-01	1.72E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
50	SSE - CLOSE TO SITE BOUNDARY	5/27/2004	WAX MYRTLE	466.7	CS-134	<LLD		2.40E-02
50	SSE - CLOSE TO SITE BOUNDARY	5/27/2004	WAX MYRTLE	466.7	CS-137	<LLD		2.53E-02
50	SSE - CLOSE TO SITE BOUNDARY	5/27/2004	WAX MYRTLE	466.7	I-131	<LLD		2.94E-02
50	SSE - CLOSE TO SITE BOUNDARY	5/27/2004	WAX MYRTLE	466.7	K-40	2.79E+00	4.51E-01	
50	SSE - CLOSE TO SITE BOUNDARY	6/29/2004	CHERRY	471.1	BE-7	1.90E-01	1.50E-01	
50	SSE - CLOSE TO SITE BOUNDARY	6/29/2004	CHERRY	471.1	BI-214	3.79E-02	3.62E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/29/2004	CHERRY	471.1	CS-134	<LLD		2.49E-02
50	SSE - CLOSE TO SITE BOUNDARY	6/29/2004	CHERRY	471.1	CS-137	<LLD		2.28E-02
50	SSE - CLOSE TO SITE BOUNDARY	6/29/2004	CHERRY	471.1	I-131	<LLD		2.11E-02
50	SSE - CLOSE TO SITE BOUNDARY	6/29/2004	CHERRY	471.1	K-40	3.11E+00	4.63E-01	
50	SSE - CLOSE TO SITE BOUNDARY	6/29/2004	CHERRY	471.1	PB-212	4.35E-02	2.95E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/29/2004	DOGWOOD	444.6	AC-228	3.06E-01	9.68E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/29/2004	DOGWOOD	444.6	BE-7	1.14E+00	2.72E-01	
50	SSE - CLOSE TO SITE BOUNDARY	6/29/2004	DOGWOOD	444.6	BI-214	5.60E-02	4.66E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/29/2004	DOGWOOD	444.6	CS-134	<LLD		4.02E-02
50	SSE - CLOSE TO SITE BOUNDARY	6/29/2004	DOGWOOD	444.6	CS-137	<LLD		3.37E-02
50	SSE - CLOSE TO SITE BOUNDARY	6/29/2004	DOGWOOD	444.6	I-131	<LLD		3.03E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
50	SSE - CLOSE TO SITE BOUNDARY	6/29/2004	DOGWOOD	444.6	K-40	2.22E+00	5.47E-01	
50	SSE - CLOSE TO SITE BOUNDARY	6/29/2004	DOGWOOD	444.6	PB-212	1.05E-01	4.64E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/29/2004	WAX MYRTLE	479.1	BE-7	5.47E-01	2.15E-01	
50	SSE - CLOSE TO SITE BOUNDARY	6/29/2004	WAX MYRTLE	479.1	CS-134	<LLD		3.74E-02
50	SSE - CLOSE TO SITE BOUNDARY	6/29/2004	WAX MYRTLE	479.1	CS-137	<LLD		3.02E-02
50	SSE - CLOSE TO SITE BOUNDARY	6/29/2004	WAX MYRTLE	479.1	I-131	<LLD		3.07E-02
50	SSE - CLOSE TO SITE BOUNDARY	6/29/2004	WAX MYRTLE	479.1	K-40	3.19E+00	5.09E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	CHERRY	464.6	AC-228	1.38E-01	8.42E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	CHERRY	464.6	BE-7	7.31E-01	2.18E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	CHERRY	464.6	BI-214	7.10E-02	4.64E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	CHERRY	464.6	CS-134	<LLD		3.58E-02
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	CHERRY	464.6	CS-137	<LLD		3.20E-02
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	CHERRY	464.6	I-131	<LLD		2.69E-02
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	CHERRY	464.6	K-40	3.37E+00	5.57E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	CHERRY	464.6	PB-212	3.64E-02	2.95E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	DOGWOOD	420	AC-228	2.93E-01	9.66E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	DOGWOOD	420	BE-7	1.45E+00	2.83E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	DOGWOOD	420	BI-212	1.77E-01	1.42E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	DOGWOOD	420	BI-214	9.06E-02	5.45E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	DOGWOOD	420	CS-134	<LLD		2.91E-02
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	DOGWOOD	420	CS-137	<LLD		2.39E-02
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	DOGWOOD	420	I-131	<LLD		3.32E-02
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	DOGWOOD	420	K-40	1.34E+00	3.56E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	DOGWOOD	420	PB-212	1.67E-01	4.40E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	DOGWOOD	420	PB-214	6.94E-02	4.90E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	DOGWOOD	420	TL-208	3.23E-02	2.29E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	WAX MYRTLE	483.6	AC-228	1.85E-01	1.02E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	WAX MYRTLE	483.6	BE-7	7.01E-01	2.42E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	WAX MYRTLE	483.6	BI-214	1.20E-01	5.53E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	WAX MYRTLE	483.6	CS-134	<LLD		3.57E-02
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	WAX MYRTLE	483.6	CS-137	<LLD		3.37E-02
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	WAX MYRTLE	483.6	I-131	<LLD		2.86E-02
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	WAX MYRTLE	483.6	K-40	4.55E+00	4.89E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/27/2004	WAX MYRTLE	483.6	PB-214	8.05E-02	4.81E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
50	SSE - CLOSE TO SITE BOUNDARY	8/27/2004	CHERRY	550.7	AC-228	9.94E-02	7.05E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/27/2004	CHERRY	550.7	BE-7	3.61E-01	1.25E-01	
50	SSE - CLOSE TO SITE BOUNDARY	8/27/2004	CHERRY	550.7	CS-134	<LLD		2.12E-02
50	SSE - CLOSE TO SITE BOUNDARY	8/27/2004	CHERRY	550.7	CS-137	4.66E-02	1.65E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/27/2004	CHERRY	550.7	I-131	<LLD		2.30E-02
50	SSE - CLOSE TO SITE BOUNDARY	8/27/2004	CHERRY	550.7	K-40	2.80E+00	3.27E-01	
50	SSE - CLOSE TO SITE BOUNDARY	8/27/2004	DOGWOOD	451.8	AC-228	1.67E-01	5.25E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/27/2004	DOGWOOD	451.8	BE-7	8.10E-01	1.18E-01	
50	SSE - CLOSE TO SITE BOUNDARY	8/27/2004	DOGWOOD	451.8	BI-214	1.76E-02	1.51E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/27/2004	DOGWOOD	451.8	CS-134	<LLD		1.68E-02
50	SSE - CLOSE TO SITE BOUNDARY	8/27/2004	DOGWOOD	451.8	CS-137	<LLD		1.26E-02
50	SSE - CLOSE TO SITE BOUNDARY	8/27/2004	DOGWOOD	451.8	I-131	<LLD		1.50E-02
50	SSE - CLOSE TO SITE BOUNDARY	8/27/2004	DOGWOOD	451.8	K-40	3.66E-01	1.74E-01	
50	SSE - CLOSE TO SITE BOUNDARY	8/27/2004	DOGWOOD	451.8	PB-212	5.16E-02	2.25E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/27/2004	DOGWOOD	451.8	TL-208	3.27E-02	1.31E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/27/2004	WAX MYRTLE	501.9	AC-228	1.54E-01	8.61E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/27/2004	WAX MYRTLE	501.9	BE-7	1.27E+00	2.45E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
50	SSE - CLOSE TO SITE BOUNDARY	8/27/2004	WAX MYRTLE	501.9	CS-134	<LLD		3.50E-02
50	SSE - CLOSE TO SITE BOUNDARY	8/27/2004	WAX MYRTLE	501.9	CS-137	<LLD		3.01E-02
50	SSE - CLOSE TO SITE BOUNDARY	8/27/2004	WAX MYRTLE	501.9	I-131	<LLD		3.55E-02
50	SSE - CLOSE TO SITE BOUNDARY	8/27/2004	WAX MYRTLE	501.9	K-40	3.09E+00	4.11E-01	
50	SSE - CLOSE TO SITE BOUNDARY	8/27/2004	WAX MYRTLE	501.9	TL-208	2.46E-02	2.19E-02	
50	SSE - CLOSE TO SITE BOUNDARY	9/30/2004	CHERRY	452.2	AC-228	1.35E-01	1.14E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/30/2004	CHERRY	452.2	BE-7	1.54E+00	2.77E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/30/2004	CHERRY	452.2	CS-134	<LLD		3.29E-02
50	SSE - CLOSE TO SITE BOUNDARY	9/30/2004	CHERRY	452.2	CS-137	<LLD		3.43E-02
50	SSE - CLOSE TO SITE BOUNDARY	9/30/2004	CHERRY	452.2	I-131	<LLD		4.47E-02
50	SSE - CLOSE TO SITE BOUNDARY	9/30/2004	CHERRY	452.2	K-40	2.58E+00	5.62E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/30/2004	PERSIMMOMS	517.8	AC-228	2.60E-01	1.01E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/30/2004	PERSIMMOMS	517.8	BE-7	2.21E+00	3.18E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/30/2004	PERSIMMOMS	517.8	CS-134	<LLD		3.03E-02
50	SSE - CLOSE TO SITE BOUNDARY	9/30/2004	PERSIMMOMS	517.8	CS-137	<LLD		3.28E-02
50	SSE - CLOSE TO SITE BOUNDARY	9/30/2004	PERSIMMOMS	517.8	I-131	<LLD		4.25E-02
50	SSE - CLOSE TO SITE BOUNDARY	9/30/2004	PERSIMMOMS	517.8	K-40	5.67E+00	5.28E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
50	SSE - CLOSE TO SITE BOUNDARY	9/30/2004	PERSIMMOMS	517.8	PB-212	3.63E-02	3.02E-02	
50	SSE - CLOSE TO SITE BOUNDARY	9/30/2004	WAX MYRTLE	468	BE-7	2.11E+00	2.35E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/30/2004	WAX MYRTLE	468	BI-214	5.34E-02	4.15E-02	
50	SSE - CLOSE TO SITE BOUNDARY	9/30/2004	WAX MYRTLE	468	CS-134	<LLD		2.32E-02
50	SSE - CLOSE TO SITE BOUNDARY	9/30/2004	WAX MYRTLE	468	CS-137	<LLD		2.86E-02
50	SSE - CLOSE TO SITE BOUNDARY	9/30/2004	WAX MYRTLE	468	I-131	<LLD		3.19E-02
50	SSE - CLOSE TO SITE BOUNDARY	9/30/2004	WAX MYRTLE	468	K-40	2.17E+00	3.64E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/30/2004	WAX MYRTLE	468	PB-214	5.20E-02	4.05E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/28/2004	WAX MYRTLE	442	BE-7	1.10E+00	3.20E-01	
50	SSE - CLOSE TO SITE BOUNDARY	10/28/2004	WAX MYRTLE	442	BI-214	6.43E-02	4.44E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/28/2004	WAX MYRTLE	442	CS-134	<LLD		3.49E-02
50	SSE - CLOSE TO SITE BOUNDARY	10/28/2004	WAX MYRTLE	442	CS-137	<LLD		3.11E-02
50	SSE - CLOSE TO SITE BOUNDARY	10/28/2004	WAX MYRTLE	442	I-131	<LLD		3.58E-02
50	SSE - CLOSE TO SITE BOUNDARY	10/28/2004	WAX MYRTLE	442	K-40	1.67E+00	4.43E-01	
50	SSE - CLOSE TO SITE BOUNDARY	11/29/2004	WAX MYRTLE	421.1	AC-228	2.36E-01	1.27E-01	
50	SSE - CLOSE TO SITE BOUNDARY	11/29/2004	WAX MYRTLE	421.1	BE-7	1.28E+00	2.62E-01	
50	SSE - CLOSE TO SITE BOUNDARY	11/29/2004	WAX MYRTLE	421.1	BI-214	7.05E-02	4.47E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
50	SSE - CLOSE TO SITE BOUNDARY	11/29/2004	WAX MYRTLE	421.1	CS-134	<LLD		3.55E-02
50	SSE - CLOSE TO SITE BOUNDARY	11/29/2004	WAX MYRTLE	421.1	CS-137	<LLD		3.37E-02
50	SSE - CLOSE TO SITE BOUNDARY	11/29/2004	WAX MYRTLE	421.1	I-131	<LLD		3.05E-02
50	SSE - CLOSE TO SITE BOUNDARY	11/29/2004	WAX MYRTLE	421.1	K-40	1.31E+00	4.52E-01	
50	SSE - CLOSE TO SITE BOUNDARY	11/29/2004	WAX MYRTLE	421.1	PB-214	6.48E-02	5.23E-02	
51	SSW - CLOSE TO SITE BOUNDARY	4/29/2004	CHERRY	464.2	BE-7	2.84E-01	1.35E-01	
51	SSW - CLOSE TO SITE BOUNDARY	4/29/2004	CHERRY	464.2	CS-134	<LLD		2.34E-02
51	SSW - CLOSE TO SITE BOUNDARY	4/29/2004	CHERRY	464.2	CS-137	<LLD		2.37E-02
51	SSW - CLOSE TO SITE BOUNDARY	4/29/2004	CHERRY	464.2	I-131	<LLD		2.58E-02
51	SSW - CLOSE TO SITE BOUNDARY	4/29/2004	CHERRY	464.2	K-40	4.56E+00	4.96E-01	
51	SSW - CLOSE TO SITE BOUNDARY	4/29/2004	CHERRY	464.2	PB-212	3.43E-02	2.00E-02	
51	SSW - CLOSE TO SITE BOUNDARY	4/29/2004	DOGWOOD	428.8	CS-134	<LLD		3.41E-02
51	SSW - CLOSE TO SITE BOUNDARY	4/29/2004	DOGWOOD	428.8	CS-137	<LLD		3.03E-02
51	SSW - CLOSE TO SITE BOUNDARY	4/29/2004	DOGWOOD	428.8	I-131	<LLD		3.61E-02
51	SSW - CLOSE TO SITE BOUNDARY	4/29/2004	DOGWOOD	428.8	K-40	3.06E+00	5.48E-01	
51	SSW - CLOSE TO SITE BOUNDARY	4/29/2004	DOGWOOD	428.8	PB-212	3.72E-02	3.23E-02	
51	SSW - CLOSE TO SITE BOUNDARY	4/29/2004	WAX MYRTLE	459.2	BE-7	5.90E-01	1.98E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
51	SSW - CLOSE TO SITE BOUNDARY	4/29/2004	WAX MYRTLE	459.2	CS-134	<LLD		2.44E-02
51	SSW - CLOSE TO SITE BOUNDARY	4/29/2004	WAX MYRTLE	459.2	CS-137	<LLD		2.18E-02
51	SSW - CLOSE TO SITE BOUNDARY	4/29/2004	WAX MYRTLE	459.2	I-131	<LLD		2.94E-02
51	SSW - CLOSE TO SITE BOUNDARY	4/29/2004	WAX MYRTLE	459.2	K-40	2.89E+00	4.33E-01	
51	SSW - CLOSE TO SITE BOUNDARY	5/27/2004	CHERRY	452.2	BE-7	3.11E-01	2.17E-01	
51	SSW - CLOSE TO SITE BOUNDARY	5/27/2004	CHERRY	452.2	CS-134	<LLD		2.55E-02
51	SSW - CLOSE TO SITE BOUNDARY	5/27/2004	CHERRY	452.2	CS-137	<LLD		3.51E-02
51	SSW - CLOSE TO SITE BOUNDARY	5/27/2004	CHERRY	452.2	I-131	<LLD		3.77E-02
51	SSW - CLOSE TO SITE BOUNDARY	5/27/2004	CHERRY	452.2	K-40	2.70E+00	5.69E-01	
51	SSW - CLOSE TO SITE BOUNDARY	5/27/2004	DOGWOOD	469.9	BE-7	4.62E-01	1.79E-01	
51	SSW - CLOSE TO SITE BOUNDARY	5/27/2004	DOGWOOD	469.9	CS-134	<LLD		2.29E-02
51	SSW - CLOSE TO SITE BOUNDARY	5/27/2004	DOGWOOD	469.9	CS-137	<LLD		2.32E-02
51	SSW - CLOSE TO SITE BOUNDARY	5/27/2004	DOGWOOD	469.9	I-131	<LLD		2.79E-02
51	SSW - CLOSE TO SITE BOUNDARY	5/27/2004	DOGWOOD	469.9	K-40	3.39E+00	3.98E-01	
51	SSW - CLOSE TO SITE BOUNDARY	5/27/2004	WAX MYRTLE	479.9	BE-7	3.94E-01	1.68E-01	
51	SSW - CLOSE TO SITE BOUNDARY	5/27/2004	WAX MYRTLE	479.9	CS-134	<LLD		2.87E-02
51	SSW - CLOSE TO SITE BOUNDARY	5/27/2004	WAX MYRTLE	479.9	CS-137	<LLD		3.20E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
51	SSW - CLOSE TO SITE BOUNDARY	5/27/2004	WAX MYRTLE	479.9	I-131	<LLD		3.68E-02
51	SSW - CLOSE TO SITE BOUNDARY	5/27/2004	WAX MYRTLE	479.9	K-40	1.93E+00	4.64E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/30/2004	CHERRY	517.7	BE-7	3.52E-01	1.37E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/30/2004	CHERRY	517.7	BI-214	5.02E-02	3.09E-02	
51	SSW - CLOSE TO SITE BOUNDARY	6/30/2004	CHERRY	517.7	CS-134	<LLD		2.51E-02
51	SSW - CLOSE TO SITE BOUNDARY	6/30/2004	CHERRY	517.7	CS-137	<LLD		2.04E-02
51	SSW - CLOSE TO SITE BOUNDARY	6/30/2004	CHERRY	517.7	I-131	<LLD		1.83E-02
51	SSW - CLOSE TO SITE BOUNDARY	6/30/2004	CHERRY	517.7	K-40	3.69E+00	4.18E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/30/2004	CHERRY	517.7	PB-212	2.11E-02	1.77E-02	
51	SSW - CLOSE TO SITE BOUNDARY	6/30/2004	DOGWOOD	479.8	AC-228	2.45E-01	9.08E-02	
51	SSW - CLOSE TO SITE BOUNDARY	6/30/2004	DOGWOOD	479.8	BE-7	7.87E-01	2.07E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/30/2004	DOGWOOD	479.8	BI-214	7.80E-02	5.10E-02	
51	SSW - CLOSE TO SITE BOUNDARY	6/30/2004	DOGWOOD	479.8	CS-134	<LLD		3.49E-02
51	SSW - CLOSE TO SITE BOUNDARY	6/30/2004	DOGWOOD	479.8	CS-137	<LLD		3.32E-02
51	SSW - CLOSE TO SITE BOUNDARY	6/30/2004	DOGWOOD	479.8	I-131	<LLD		2.81E-02
51	SSW - CLOSE TO SITE BOUNDARY	6/30/2004	DOGWOOD	479.8	K-40	3.25E+00	5.32E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/30/2004	DOGWOOD	479.8	PB-212	1.43E-01	3.46E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
51	SSW - CLOSE TO SITE BOUNDARY	6/30/2004	DOGWOOD	479.8	TL-208	4.00E-02	2.44E-02	
51	SSW - CLOSE TO SITE BOUNDARY	6/30/2004	WAX MYRTLE	466.3	BE-7	8.11E-01	2.32E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/30/2004	WAX MYRTLE	466.3	CS-134	<LLD		3.06E-02
51	SSW - CLOSE TO SITE BOUNDARY	6/30/2004	WAX MYRTLE	466.3	CS-137	<LLD		2.87E-02
51	SSW - CLOSE TO SITE BOUNDARY	6/30/2004	WAX MYRTLE	466.3	I-131	<LLD		2.89E-02
51	SSW - CLOSE TO SITE BOUNDARY	6/30/2004	WAX MYRTLE	466.3	K-40	2.71E+00	5.07E-01	
51	SSW - CLOSE TO SITE BOUNDARY	7/27/2004	CHERRY	452.9	BI-214	8.75E-02	6.51E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/27/2004	CHERRY	452.9	CS-134	<LLD		3.49E-02
51	SSW - CLOSE TO SITE BOUNDARY	7/27/2004	CHERRY	452.9	CS-137	<LLD		3.05E-02
51	SSW - CLOSE TO SITE BOUNDARY	7/27/2004	CHERRY	452.9	I-131	<LLD		2.49E-02
51	SSW - CLOSE TO SITE BOUNDARY	7/27/2004	CHERRY	452.9	K-40	4.38E+00	5.97E-01	
51	SSW - CLOSE TO SITE BOUNDARY	7/27/2004	DOGWOOD	446.2	BE-7	2.48E+00	3.16E-01	
51	SSW - CLOSE TO SITE BOUNDARY	7/27/2004	DOGWOOD	446.2	BI-214	6.14E-02	5.37E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/27/2004	DOGWOOD	446.2	CS-134	<LLD		3.36E-02
51	SSW - CLOSE TO SITE BOUNDARY	7/27/2004	DOGWOOD	446.2	CS-137	<LLD		2.97E-02
51	SSW - CLOSE TO SITE BOUNDARY	7/27/2004	DOGWOOD	446.2	I-131	<LLD		3.02E-02
51	SSW - CLOSE TO SITE BOUNDARY	7/27/2004	DOGWOOD	446.2	K-40	3.87E+00	4.97E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
51	SSW - CLOSE TO SITE BOUNDARY	7/27/2004	DOGWOOD	446.2	PB-214	5.92E-02	4.65E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/27/2004	WAX MYRTLE	436.5	BE-7	1.48E+00	2.21E-01	
51	SSW - CLOSE TO SITE BOUNDARY	7/27/2004	WAX MYRTLE	436.5	CS-134	<LLD		2.89E-02
51	SSW - CLOSE TO SITE BOUNDARY	7/27/2004	WAX MYRTLE	436.5	CS-137	<LLD		3.43E-02
51	SSW - CLOSE TO SITE BOUNDARY	7/27/2004	WAX MYRTLE	436.5	I-131	<LLD		2.81E-02
51	SSW - CLOSE TO SITE BOUNDARY	7/27/2004	WAX MYRTLE	436.5	K-40	2.21E+00	4.85E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/27/2004	CHERRY	453.7	AC-228	1.24E-01	7.45E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/27/2004	CHERRY	453.7	BE-7	5.52E-01	1.79E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/27/2004	CHERRY	453.7	CS-134	<LLD		2.64E-02
51	SSW - CLOSE TO SITE BOUNDARY	8/27/2004	CHERRY	453.7	CS-137	<LLD		2.02E-02
51	SSW - CLOSE TO SITE BOUNDARY	8/27/2004	CHERRY	453.7	I-131	<LLD		2.67E-02
51	SSW - CLOSE TO SITE BOUNDARY	8/27/2004	CHERRY	453.7	K-40	2.92E+00	4.95E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/27/2004	CHERRY	453.7	PB-212	3.67E-02	2.64E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/27/2004	DOGWOOD	449.1	AC-228	1.59E-01	1.02E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/27/2004	DOGWOOD	449.1	BE-7	1.28E+00	2.90E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/27/2004	DOGWOOD	449.1	BI-214	6.17E-02	4.65E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/27/2004	DOGWOOD	449.1	CS-134	<LLD		3.58E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
51	SSW - CLOSE TO SITE BOUNDARY	8/27/2004	DOGWOOD	449.1	CS-137	<LLD		3.25E-02
51	SSW - CLOSE TO SITE BOUNDARY	8/27/2004	DOGWOOD	449.1	I-131	<LLD		3.90E-02
51	SSW - CLOSE TO SITE BOUNDARY	8/27/2004	DOGWOOD	449.1	K-40	2.69E+00	4.98E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/27/2004	DOGWOOD	449.1	PB-212	9.99E-02	4.00E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/27/2004	DOGWOOD	449.1	TL-208	3.04E-02	3.00E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/27/2004	WAX MYRTLE	517.5	AC-228	1.17E-01	7.59E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/27/2004	WAX MYRTLE	517.5	BE-7	1.32E+00	2.49E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/27/2004	WAX MYRTLE	517.5	CS-134	<LLD		2.67E-02
51	SSW - CLOSE TO SITE BOUNDARY	8/27/2004	WAX MYRTLE	517.5	CS-137	<LLD		3.00E-02
51	SSW - CLOSE TO SITE BOUNDARY	8/27/2004	WAX MYRTLE	517.5	I-131	<LLD		3.55E-02
51	SSW - CLOSE TO SITE BOUNDARY	8/27/2004	WAX MYRTLE	517.5	K-40	2.39E+00	4.04E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/30/2004	CHERRY	393	AC-228	1.34E-01	1.17E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/30/2004	CHERRY	393	BE-7	1.02E+00	2.74E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/30/2004	CHERRY	393	CS-134	<LLD		4.10E-02
51	SSW - CLOSE TO SITE BOUNDARY	9/30/2004	CHERRY	393	CS-137	<LLD		3.35E-02
51	SSW - CLOSE TO SITE BOUNDARY	9/30/2004	CHERRY	393	I-131	<LLD		4.80E-02
51	SSW - CLOSE TO SITE BOUNDARY	9/30/2004	CHERRY	393	K-40	3.95E+00	6.54E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
51	SSW - CLOSE TO SITE BOUNDARY	9/30/2004	PERSIMMOMS	501.2	AC-228	2.33E-01	9.58E-02	
51	SSW - CLOSE TO SITE BOUNDARY	9/30/2004	PERSIMMOMS	501.2	BE-7	2.39E+00	2.97E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/30/2004	PERSIMMOMS	501.2	CS-134	<LLD		3.69E-02
51	SSW - CLOSE TO SITE BOUNDARY	9/30/2004	PERSIMMOMS	501.2	CS-137	<LLD		3.33E-02
51	SSW - CLOSE TO SITE BOUNDARY	9/30/2004	PERSIMMOMS	501.2	I-131	<LLD		4.07E-02
51	SSW - CLOSE TO SITE BOUNDARY	9/30/2004	PERSIMMOMS	501.2	K-40	4.84E+00	5.50E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/30/2004	WAX MYRTLE	463	AC-228	1.97E-01	6.44E-02	
51	SSW - CLOSE TO SITE BOUNDARY	9/30/2004	WAX MYRTLE	463	BE-7	1.74E+00	2.39E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/30/2004	WAX MYRTLE	463	BI-214	1.06E-01	4.13E-02	
51	SSW - CLOSE TO SITE BOUNDARY	9/30/2004	WAX MYRTLE	463	CS-134	<LLD		2.48E-02
51	SSW - CLOSE TO SITE BOUNDARY	9/30/2004	WAX MYRTLE	463	CS-137	<LLD		2.33E-02
51	SSW - CLOSE TO SITE BOUNDARY	9/30/2004	WAX MYRTLE	463	I-131	<LLD		3.08E-02
51	SSW - CLOSE TO SITE BOUNDARY	9/30/2004	WAX MYRTLE	463	K-40	1.97E+00	3.26E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/30/2004	WAX MYRTLE	463	PB-212	3.72E-02	2.27E-02	
51	SSW - CLOSE TO SITE BOUNDARY	9/30/2004	WAX MYRTLE	463	PB-214	7.83E-02	3.99E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/28/2004	WAX MYRTLE	496.1	BE-7	1.41E+00	2.49E-01	
51	SSW - CLOSE TO SITE BOUNDARY	10/28/2004	WAX MYRTLE	496.1	CS-134	<LLD		2.70E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
51	SSW - CLOSE TO SITE BOUNDARY	10/28/2004	WAX MYRTLE	496.1	CS-137	<LLD		2.74E-02
51	SSW - CLOSE TO SITE BOUNDARY	10/28/2004	WAX MYRTLE	496.1	I-131	<LLD		3.16E-02
51	SSW - CLOSE TO SITE BOUNDARY	10/28/2004	WAX MYRTLE	496.1	K-40	1.20E+00	3.77E-01	
51	SSW - CLOSE TO SITE BOUNDARY	11/29/2004	WAX MYRTLE	476.9	AC-228	1.69E-01	8.82E-02	
51	SSW - CLOSE TO SITE BOUNDARY	11/29/2004	WAX MYRTLE	476.9	BE-7	1.68E+00	2.56E-01	
51	SSW - CLOSE TO SITE BOUNDARY	11/29/2004	WAX MYRTLE	476.9	BI-214	1.03E-01	4.53E-02	
51	SSW - CLOSE TO SITE BOUNDARY	11/29/2004	WAX MYRTLE	476.9	CS-134	<LLD		2.95E-02
51	SSW - CLOSE TO SITE BOUNDARY	11/29/2004	WAX MYRTLE	476.9	CS-137	<LLD		2.96E-02
51	SSW - CLOSE TO SITE BOUNDARY	11/29/2004	WAX MYRTLE	476.9	I-131	<LLD		2.87E-02
51	SSW - CLOSE TO SITE BOUNDARY	11/29/2004	WAX MYRTLE	476.9	K-40	1.91E+00	4.50E-01	
51	SSW - CLOSE TO SITE BOUNDARY	11/29/2004	WAX MYRTLE	476.9	PB-212	3.69E-02	3.24E-02	
51	SSW - CLOSE TO SITE BOUNDARY	11/29/2004	WAX MYRTLE	476.9	PB-214	4.79E-02	4.15E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	4/29/2004	CHERRY	502.5	CS-134	<LLD		3.07E-02
52	10 MI W - NEAR BETHUNE - CONTROL	4/29/2004	CHERRY	502.5	CS-137	4.35E-02	2.45E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	4/29/2004	CHERRY	502.5	I-131	<LLD		3.21E-02
52	10 MI W - NEAR BETHUNE - CONTROL	4/29/2004	CHERRY	502.5	K-40	4.51E+00	4.98E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	4/29/2004	DOGWOOD	478.4	AC-228	1.35E-01	6.80E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
52	10 MI W - NEAR BETHUNE - CONTROL	4/29/2004	DOGWOOD	478.4	CS-134	<LLD		2.46E-02
52	10 MI W - NEAR BETHUNE - CONTROL	4/29/2004	DOGWOOD	478.4	CS-137	<LLD		2.40E-02
52	10 MI W - NEAR BETHUNE - CONTROL	4/29/2004	DOGWOOD	478.4	I-131	<LLD		3.71E-02
52	10 MI W - NEAR BETHUNE - CONTROL	4/29/2004	DOGWOOD	478.4	K-40	3.17E+00	4.23E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	4/29/2004	WAX MYRTLE	466.7	AC-228	1.38E-01	6.57E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	4/29/2004	WAX MYRTLE	466.7	BE-7	1.02E+00	1.88E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	4/29/2004	WAX MYRTLE	466.7	CS-134	<LLD		2.34E-02
52	10 MI W - NEAR BETHUNE - CONTROL	4/29/2004	WAX MYRTLE	466.7	CS-137	<LLD		2.66E-02
52	10 MI W - NEAR BETHUNE - CONTROL	4/29/2004	WAX MYRTLE	466.7	I-131	<LLD		2.94E-02
52	10 MI W - NEAR BETHUNE - CONTROL	4/29/2004	WAX MYRTLE	466.7	K-40	1.97E+00	4.39E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	4/29/2004	WAX MYRTLE	466.7	PB-212	3.15E-02	2.36E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	4/29/2004	WAX MYRTLE	466.7	PB-214	6.51E-02	4.32E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	4/29/2004	WAX MYRTLE	466.7	PB-214	4.52E-02	4.03E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	5/28/2004	CHERRY	465.8	BE-7	5.69E-01	2.63E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/28/2004	CHERRY	465.8	CS-134	<LLD		3.12E-02
52	10 MI W - NEAR BETHUNE - CONTROL	5/28/2004	CHERRY	465.8	CS-137	1.39E-01	4.03E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	5/28/2004	CHERRY	465.8	I-131	<LLD		3.84E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
52	10 MI W - NEAR BETHUNE - CONTROL	5/28/2004	CHERRY	465.8	K-40	3.35E+00	5.74E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/28/2004	DOGWOOD	476.9	AC-228	1.16E-01	1.00E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/28/2004	DOGWOOD	476.9	BE-7	6.58E-01	1.94E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/28/2004	DOGWOOD	476.9	CS-134	<LLD		3.50E-02
52	10 MI W - NEAR BETHUNE - CONTROL	5/28/2004	DOGWOOD	476.9	CS-137	<LLD		3.47E-02
52	10 MI W - NEAR BETHUNE - CONTROL	5/28/2004	DOGWOOD	476.9	I-131	<LLD		4.30E-02
52	10 MI W - NEAR BETHUNE - CONTROL	5/28/2004	DOGWOOD	476.9	K-40	3.19E+00	5.16E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/28/2004	WAX MYRTLE	468.3	BE-7	5.82E-01	2.11E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/28/2004	WAX MYRTLE	468.3	CS-134	<LLD		2.59E-02
52	10 MI W - NEAR BETHUNE - CONTROL	5/28/2004	WAX MYRTLE	468.3	CS-137	5.60E-02	2.97E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	5/28/2004	WAX MYRTLE	468.3	I-131	<LLD		3.48E-02
52	10 MI W - NEAR BETHUNE - CONTROL	5/28/2004	WAX MYRTLE	468.3	K-40	1.35E+00	4.13E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	6/29/2004	CHERRY	532.3	BE-7	5.16E-01	2.17E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	6/29/2004	CHERRY	532.3	CS-134	<LLD		3.01E-02
52	10 MI W - NEAR BETHUNE - CONTROL	6/29/2004	CHERRY	532.3	CS-137	<LLD		1.38E-02
52	10 MI W - NEAR BETHUNE - CONTROL	6/29/2004	CHERRY	532.3	I-131	<LLD		2.76E-02
52	10 MI W - NEAR BETHUNE - CONTROL	6/29/2004	CHERRY	532.3	K-40	2.40E+00	4.52E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
52	10 MI W - NEAR BETHUNE - CONTROL	6/29/2004	DOGWOOD	502.4	AC-228	1.88E-01	1.36E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	6/29/2004	DOGWOOD	502.4	BE-7	6.71E-01	2.06E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	6/29/2004	DOGWOOD	502.4	CS-134	<LLD		3.17E-02
52	10 MI W - NEAR BETHUNE - CONTROL	6/29/2004	DOGWOOD	502.4	CS-137	<LLD		2.78E-02
52	10 MI W - NEAR BETHUNE - CONTROL	6/29/2004	DOGWOOD	502.4	I-131	<LLD		2.86E-02
52	10 MI W - NEAR BETHUNE - CONTROL	6/29/2004	DOGWOOD	502.4	K-40	3.65E+00	5.25E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	6/29/2004	DOGWOOD	502.4	PB-212	4.87E-02	3.46E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	6/29/2004	WAX MYRTLE	479.4	BE-7	3.20E-01	1.74E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	6/29/2004	WAX MYRTLE	479.4	BI-214	6.22E-02	5.73E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	6/29/2004	WAX MYRTLE	479.4	CS-134	<LLD		3.14E-02
52	10 MI W - NEAR BETHUNE - CONTROL	6/29/2004	WAX MYRTLE	479.4	CS-137	<LLD		3.54E-02
52	10 MI W - NEAR BETHUNE - CONTROL	6/29/2004	WAX MYRTLE	479.4	I-131	<LLD		3.01E-02
52	10 MI W - NEAR BETHUNE - CONTROL	6/29/2004	WAX MYRTLE	479.4	K-40	2.46E+00	4.94E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/27/2004	CHERRY	507.6	BE-7	9.78E-01	2.24E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/27/2004	CHERRY	507.6	BI-214	6.46E-02	4.56E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	7/27/2004	CHERRY	507.6	CS-134	<LLD		3.04E-02
52	10 MI W - NEAR BETHUNE - CONTROL	7/27/2004	CHERRY	507.6	CS-137	6.73E-02	2.65E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
52	10 MI W - NEAR BETHUNE - CONTROL	7/27/2004	CHERRY	507.6	I-131	<LLD		3.52E-02
52	10 MI W - NEAR BETHUNE - CONTROL	7/27/2004	CHERRY	507.6	K-40	4.05E+00	5.52E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/27/2004	CHERRY	507.6	PB-214	5.38E-02	3.53E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	7/27/2004	DOGWOOD	436	AC-228	2.16E-01	9.01E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	7/27/2004	DOGWOOD	436	BE-7	8.53E-01	2.57E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/27/2004	DOGWOOD	436	BI-214	1.11E-01	5.00E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	7/27/2004	DOGWOOD	436	CS-134	<LLD		3.71E-02
52	10 MI W - NEAR BETHUNE - CONTROL	7/27/2004	DOGWOOD	436	CS-137	<LLD		3.67E-02
52	10 MI W - NEAR BETHUNE - CONTROL	7/27/2004	DOGWOOD	436	I-131	<LLD		3.50E-02
52	10 MI W - NEAR BETHUNE - CONTROL	7/27/2004	DOGWOOD	436	K-40	3.41E+00	5.00E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/27/2004	DOGWOOD	436	PB-212	7.34E-02	4.52E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	7/27/2004	DOGWOOD	436	TL-208	4.94E-02	2.94E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	7/27/2004	WAX MYRTLE	443	BE-7	9.89E-01	2.95E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/27/2004	WAX MYRTLE	443	CS-134	<LLD		3.51E-02
52	10 MI W - NEAR BETHUNE - CONTROL	7/27/2004	WAX MYRTLE	443	CS-137	<LLD		3.82E-02
52	10 MI W - NEAR BETHUNE - CONTROL	7/27/2004	WAX MYRTLE	443	I-131	<LLD		4.74E-02
52	10 MI W - NEAR BETHUNE - CONTROL	7/27/2004	WAX MYRTLE	443	K-40	4.04E+00	5.01E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
52	10 MI W - NEAR BETHUNE - CONTROL	8/27/2004	CHERRY	432.2	BE-7	1.58E+00	2.21E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/27/2004	CHERRY	432.2	CS-134	<LLD		2.32E-02
52	10 MI W - NEAR BETHUNE - CONTROL	8/27/2004	CHERRY	432.2	CS-137	<LLD		2.22E-02
52	10 MI W - NEAR BETHUNE - CONTROL	8/27/2004	CHERRY	432.2	I-131	<LLD		2.61E-02
52	10 MI W - NEAR BETHUNE - CONTROL	8/27/2004	CHERRY	432.2	K-40	3.49E+00	4.72E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/27/2004	CHERRY	432.2	PB-212	4.56E-02	2.93E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	8/27/2004	DOGWOOD	446.6	AC-228	2.57E-01	1.10E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/27/2004	DOGWOOD	446.6	BE-7	2.30E+00	3.08E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/27/2004	DOGWOOD	446.6	BI-214	7.01E-02	4.58E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	8/27/2004	DOGWOOD	446.6	CS-134	<LLD		3.44E-02
52	10 MI W - NEAR BETHUNE - CONTROL	8/27/2004	DOGWOOD	446.6	CS-137	<LLD		3.39E-02
52	10 MI W - NEAR BETHUNE - CONTROL	8/27/2004	DOGWOOD	446.6	I-131	<LLD		3.79E-02
52	10 MI W - NEAR BETHUNE - CONTROL	8/27/2004	DOGWOOD	446.6	K-40	2.33E+00	5.12E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/27/2004	DOGWOOD	446.6	PB-212	6.67E-02	3.38E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	8/27/2004	DOGWOOD	446.6	TL-208	3.83E-02	2.97E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	8/27/2004	WAX MYRTLE	456.7	BE-7	1.08E+00	2.91E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/27/2004	WAX MYRTLE	456.7	CS-134	<LLD		2.85E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
52	10 MI W - NEAR BETHUNE - CONTROL	8/27/2004	WAX MYRTLE	456.7	CS-137	<LLD		3.32E-02
52	10 MI W - NEAR BETHUNE - CONTROL	8/27/2004	WAX MYRTLE	456.7	I-131	<LLD		3.63E-02
52	10 MI W - NEAR BETHUNE - CONTROL	8/27/2004	WAX MYRTLE	456.7	K-40	3.15E+00	4.37E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/30/2004	CHERRY	517.8	AC-228	2.92E-01	8.77E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/30/2004	CHERRY	517.8	BE-7	9.27E-01	2.43E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/30/2004	CHERRY	517.8	CS-134	<LLD		3.03E-02
52	10 MI W - NEAR BETHUNE - CONTROL	9/30/2004	CHERRY	517.8	CS-137	<LLD		2.71E-02
52	10 MI W - NEAR BETHUNE - CONTROL	9/30/2004	CHERRY	517.8	I-131	<LLD		3.58E-02
52	10 MI W - NEAR BETHUNE - CONTROL	9/30/2004	CHERRY	517.8	K-40	3.55E+00	5.13E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/30/2004	CHERRY	517.8	PB-212	3.74E-02	3.21E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/30/2004	CHERRY	517.8	TL-208	2.96E-02	2.48E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/30/2004	PERSIMMOMS	502.9	BE-7	2.03E+00	2.89E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/30/2004	PERSIMMOMS	502.9	BI-214	4.55E-02	3.94E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/30/2004	PERSIMMOMS	502.9	CS-134	<LLD		3.20E-02
52	10 MI W - NEAR BETHUNE - CONTROL	9/30/2004	PERSIMMOMS	502.9	CS-137	<LLD		2.86E-02
52	10 MI W - NEAR BETHUNE - CONTROL	9/30/2004	PERSIMMOMS	502.9	I-131	<LLD		4.28E-02
52	10 MI W - NEAR BETHUNE - CONTROL	9/30/2004	PERSIMMOMS	502.9	K-40	4.70E+00	5.43E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
52	10 MI W - NEAR BETHUNE - CONTROL	9/30/2004	WAX MYRTLE	466.2	BE-7	1.04E+00	2.94E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/30/2004	WAX MYRTLE	466.2	BI-214	8.06E-02	5.13E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/30/2004	WAX MYRTLE	466.2	CS-134	<LLD		3.15E-02
52	10 MI W - NEAR BETHUNE - CONTROL	9/30/2004	WAX MYRTLE	466.2	CS-137	<LLD		3.19E-02
52	10 MI W - NEAR BETHUNE - CONTROL	9/30/2004	WAX MYRTLE	466.2	I-131	<LLD		4.01E-02
52	10 MI W - NEAR BETHUNE - CONTROL	9/30/2004	WAX MYRTLE	466.2	K-40	1.71E+00	4.82E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/30/2004	WAX MYRTLE	466.2	PB-212	4.47E-02	3.22E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/30/2004	WAX MYRTLE	466.2	PB-214	9.68E-02	5.14E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	10/28/2004	WAX MYRTLE	472.3	BE-7	1.22E+00	1.81E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	10/28/2004	WAX MYRTLE	472.3	BI-214	6.52E-02	4.35E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	10/28/2004	WAX MYRTLE	472.3	CS-134	<LLD		2.30E-02
52	10 MI W - NEAR BETHUNE - CONTROL	10/28/2004	WAX MYRTLE	472.3	CS-137	<LLD		2.60E-02
52	10 MI W - NEAR BETHUNE - CONTROL	10/28/2004	WAX MYRTLE	472.3	I-131	<LLD		3.08E-02
52	10 MI W - NEAR BETHUNE - CONTROL	10/28/2004	WAX MYRTLE	472.3	K-40	2.23E+00	3.68E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	10/28/2004	WAX MYRTLE	472.3	RA-226	6.08E-01	3.11E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	11/29/2004	WAX MYRTLE	451.5	BE-7	1.53E+00	2.60E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	11/29/2004	WAX MYRTLE	451.5	BI-214	7.59E-02	4.94E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
52	10 MI W - NEAR BETHUNE - CONTROL	11/29/2004	WAX MYRTLE	451.5	CS-134	<LLD		3.19E-02
52	10 MI W - NEAR BETHUNE - CONTROL	11/29/2004	WAX MYRTLE	451.5	CS-137	<LLD		3.26E-02
52	10 MI W - NEAR BETHUNE - CONTROL	11/29/2004	WAX MYRTLE	451.5	I-131	<LLD		3.17E-02
52	10 MI W - NEAR BETHUNE - CONTROL	11/29/2004	WAX MYRTLE	451.5	K-40	2.06E+00	4.61E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	11/29/2004	WAX MYRTLE	451.5	PB-214	7.40E-02	5.19E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	4/29/2004	CHERRY	427.9	CS-134	<LLD		3.34E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	4/29/2004	CHERRY	427.9	CS-137	<LLD		4.08E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	4/29/2004	CHERRY	427.9	I-131	<LLD		4.00E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	4/29/2004	CHERRY	427.9	K-40	3.87E+00	5.76E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	4/29/2004	DOGWOOD	472.8	CS-134	<LLD		3.10E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	4/29/2004	DOGWOOD	472.8	CS-137	<LLD		3.00E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	4/29/2004	DOGWOOD	472.8	I-131	<LLD		3.89E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	4/29/2004	DOGWOOD	472.8	K-40	3.03E+00	5.10E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	4/29/2004	DOGWOOD	472.8	PB-212	7.80E-02	3.29E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	4/29/2004	WAX MYRTLE	441.4	BE-7	4.47E-01	2.14E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	4/29/2004	WAX MYRTLE	441.4	CS-134	<LLD		3.60E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	4/29/2004	WAX MYRTLE	441.4	CS-137	<LLD		3.06E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	4/29/2004	WAX MYRTLE	441.4	I-131	<LLD		4.12E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	4/29/2004	WAX MYRTLE	441.4	K-40	3.63E+00	5.92E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/27/2004	CHERRY	497.3	BE-7	3.11E-01	1.88E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/27/2004	CHERRY	497.3	CS-134	<LLD		3.25E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/27/2004	CHERRY	497.3	CS-137	<LLD		2.73E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/27/2004	CHERRY	497.3	I-131	<LLD		3.65E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/27/2004	CHERRY	497.3	K-40	3.42E+00	5.24E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/27/2004	DOGWOOD	452.4	AC-228	2.74E-01	1.02E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/27/2004	DOGWOOD	452.4	BE-7	7.82E-01	2.50E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/27/2004	DOGWOOD	452.4	BI-214	8.41E-02	6.54E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/27/2004	DOGWOOD	452.4	CS-134	<LLD		3.95E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/27/2004	DOGWOOD	452.4	CS-137	<LLD		3.48E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/27/2004	DOGWOOD	452.4	I-131	<LLD		4.51E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/27/2004	DOGWOOD	452.4	K-40	2.37E+00	5.58E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/27/2004	DOGWOOD	452.4	PB-212	7.51E-02	3.81E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/27/2004	WAX MYRTLE	485.5	BE-7	4.17E-01	1.75E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/27/2004	WAX MYRTLE	485.5	CS-134	<LLD		2.85E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/27/2004	WAX MYRTLE	485.5	CS-137	<LLD		2.17E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/27/2004	WAX MYRTLE	485.5	I-131	<LLD		2.52E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/27/2004	WAX MYRTLE	485.5	K-40	2.27E+00	3.94E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/30/2004	CHERRY	481.4	CS-134	<LLD		2.97E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/30/2004	CHERRY	481.4	CS-137	<LLD		3.22E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/30/2004	CHERRY	481.4	I-131	<LLD		2.87E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/30/2004	CHERRY	481.4	K-40	2.63E+00	4.59E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/30/2004	DOGWOOD	539.2	AC-228	1.24E-01	8.42E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/30/2004	DOGWOOD	539.2	BE-7	2.37E-01	1.87E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/30/2004	DOGWOOD	539.2	CS-134	<LLD		2.54E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/30/2004	DOGWOOD	539.2	CS-137	<LLD		2.55E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/30/2004	DOGWOOD	539.2	I-131	<LLD		2.34E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/30/2004	DOGWOOD	539.2	K-40	1.94E+00	4.21E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/30/2004	DOGWOOD	539.2	PB-212	5.16E-02	3.39E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/30/2004	WAX MYRTLE	464.7	BE-7	1.01E+00	2.14E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/30/2004	WAX MYRTLE	464.7	CS-134	<LLD		3.74E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/30/2004	WAX MYRTLE	464.7	CS-137	<LLD		3.09E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/30/2004	WAX MYRTLE	464.7	I-131	<LLD		3.04E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/30/2004	WAX MYRTLE	464.7	K-40	1.49E+00	5.18E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/27/2004	CHERRY	437.2	AC-228	2.47E-01	9.30E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/27/2004	CHERRY	437.2	BE-7	7.63E-01	1.80E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/27/2004	CHERRY	437.2	CS-134	<LLD		3.25E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/27/2004	CHERRY	437.2	CS-137	<LLD		2.55E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/27/2004	CHERRY	437.2	I-131	<LLD		3.02E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/27/2004	CHERRY	437.2	K-40	2.80E+00	4.17E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/27/2004	DOGWOOD	421.8	AC-228	2.66E-01	1.17E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/27/2004	DOGWOOD	421.8	BE-7	2.01E+00	2.65E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/27/2004	DOGWOOD	421.8	CS-134	<LLD		3.80E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/27/2004	DOGWOOD	421.8	CS-137	<LLD		3.33E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/27/2004	DOGWOOD	421.8	I-131	<LLD		4.36E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/27/2004	DOGWOOD	421.8	K-40	2.00E+00	4.64E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/27/2004	DOGWOOD	421.8	PB-212	1.20E-01	4.19E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/27/2004	DOGWOOD	421.8	PB-214	6.73E-02	6.13E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/27/2004	WAX MYRTLE	431.2	AC-228	1.81E-01	9.25E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/27/2004	WAX MYRTLE	431.2	BE-7	1.66E+00	3.44E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/27/2004	WAX MYRTLE	431.2	CS-134	<LLD		3.65E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/27/2004	WAX MYRTLE	431.2	CS-137	<LLD		3.56E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/27/2004	WAX MYRTLE	431.2	I-131	<LLD		4.74E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/27/2004	WAX MYRTLE	431.2	K-40	4.05E+00	5.95E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/31/2004	CHERRY	445.3	AC-228	2.86E-01	7.93E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/31/2004	CHERRY	445.3	BE-7	6.75E-01	1.91E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/31/2004	CHERRY	445.3	CS-134	<LLD		2.76E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/31/2004	CHERRY	445.3	CS-137	<LLD		2.42E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/31/2004	CHERRY	445.3	I-131	<LLD		1.77E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/31/2004	CHERRY	445.3	K-40	2.59E+00	4.83E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/31/2004	CHERRY	445.3	PB-212	7.54E-02	3.52E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/31/2004	CHERRY	445.3	TL-208	3.09E-02	1.84E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/31/2004	DOGWOOD	423.5	AC-228	2.58E-01	1.08E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/31/2004	DOGWOOD	423.5	BE-7	1.91E+00	2.93E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/31/2004	DOGWOOD	423.5	CS-134	<LLD		3.75E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/31/2004	DOGWOOD	423.5	CS-137	<LLD		3.38E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/31/2004	DOGWOOD	423.5	I-131	<LLD		2.54E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/31/2004	DOGWOOD	423.5	K-40	1.24E+00	4.73E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/31/2004	DOGWOOD	423.5	PB-212	1.95E-01	5.20E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/31/2004	DOGWOOD	423.5	TL-208	1.01E-01	2.90E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/31/2004	WAX MYRTLE	475	BE-7	1.88E+00	2.58E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/31/2004	WAX MYRTLE	475	CS-134	<LLD		3.24E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/31/2004	WAX MYRTLE	475	CS-137	<LLD		3.10E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/31/2004	WAX MYRTLE	475	I-131	<LLD		2.76E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/31/2004	WAX MYRTLE	475	K-40	3.43E+00	4.55E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/31/2004	WAX MYRTLE	475	PB-212	1.12E-01	4.54E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/31/2004	WAX MYRTLE	475	TL-208	7.77E-02	3.12E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/30/2004	CHERRY	498.3	AC-228	1.68E-01	7.13E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/30/2004	CHERRY	498.3	BE-7	8.83E-01	2.39E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/30/2004	CHERRY	498.3	BI-214	6.03E-02	3.69E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/30/2004	CHERRY	498.3	CS-134	<LLD		2.43E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/30/2004	CHERRY	498.3	CS-137	<LLD		2.10E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/30/2004	CHERRY	498.3	I-131	<LLD		3.26E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/30/2004	CHERRY	498.3	K-40	4.31E+00	4.14E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/30/2004	CHERRY	498.3	PB-212	5.29E-02	2.23E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/30/2004	PERSIMMOMS	514	AC-228	2.13E-01	9.08E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/30/2004	PERSIMMOMS	514	BE-7	2.41E+00	3.07E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/30/2004	PERSIMMOMS	514	BI-214	6.58E-02	4.04E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/30/2004	PERSIMMOMS	514	CS-134	<LLD		3.00E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/30/2004	PERSIMMOMS	514	CS-137	<LLD		2.98E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/30/2004	PERSIMMOMS	514	I-131	<LLD		3.97E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/30/2004	PERSIMMOMS	514	K-40	3.01E+00	4.27E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/30/2004	PERSIMMOMS	514	PB-212	3.16E-02	2.72E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/30/2004	PERSIMMOMS	514	RA-226	5.28E-01	4.99E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/30/2004	WAX MYRTLE	438.9	AC-228	1.51E-01	8.28E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/30/2004	WAX MYRTLE	438.9	BE-7	2.23E+00	3.48E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/30/2004	WAX MYRTLE	438.9	CS-134	<LLD		3.04E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/30/2004	WAX MYRTLE	438.9	CS-137	<LLD		3.70E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/30/2004	WAX MYRTLE	438.9	I-131	<LLD		4.30E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/30/2004	WAX MYRTLE	438.9	K-40	1.14E+00	4.69E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/28/2004	WAX MYRTLE	480.9	AC-228	9.60E-02	7.47E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/28/2004	WAX MYRTLE	480.9	BE-7	1.03E+00	2.72E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/28/2004	WAX MYRTLE	480.9	K-40	1.38E+00	4.00E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/28/2004	WAX MYRTLE	480.9	PB-212	2.97E-02	2.57E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/28/2004	WAX MYRTLE	480.9	PB-214	4.17E-02	4.01E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	11/29/2004	WAX MYRTLE	355.7	BE-7	6.11E-01	3.02E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	11/29/2004	WAX MYRTLE	355.7	CS-134	<LLD		3.97E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	11/29/2004	WAX MYRTLE	355.7	CS-137	<LLD		3.73E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	11/29/2004	WAX MYRTLE	355.7	I-131	<LLD		3.91E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	11/29/2004	WAX MYRTLE	355.7	K-40	1.96E+00	5.35E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	11/29/2004	WAX MYRTLE	355.7	PB-212	4.23E-02	3.68E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	11/29/2004	WAX MYRTLE	355.7	PB-214	1.40E-01	5.64E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

All Media

Sample Point		Sample Date	Media	Quantity	Isotope	Activity	2 Sigma Error	LLD
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	7/19/2004	TOMATOES	947.8	CS-134	<LLD		1.05E-02
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	7/19/2004	TOMATOES	947.8	CS-137	<LLD		1.10E-02
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	7/19/2004	TOMATOES	947.8	I-131	<LLD		1.12E-02
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	7/19/2004	TOMATOES	947.8	K-40	2.42E+00	2.62E-01	
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	10/11/2004	COLLARDS	515.2	CS-134	<LLD		2.36E-02
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	10/11/2004	COLLARDS	515.2	CS-137	<LLD		2.15E-02
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	10/11/2004	COLLARDS	515.2	I-131	<LLD		1.91E-02
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	10/11/2004	COLLARDS	515.2	K-40	4.14E+00	4.56E-01	
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	10/11/2004	POTATOES	722.7	BI-214	9.19E-02	3.68E-02	
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	10/11/2004	POTATOES	722.7	CS-134	<LLD		2.07E-02
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	10/11/2004	POTATOES	722.7	CS-137	<LLD		2.18E-02
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	10/11/2004	POTATOES	722.7	I-131	<LLD		1.78E-02
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	10/11/2004	POTATOES	722.7	K-40	2.81E+00	3.60E-01	
58	SITE VARIES FROM PLANT	7/9/2004	CUCUMBERS	574.3	CS-134	<LLD		1.93E-02
58	SITE VARIES FROM PLANT	7/9/2004	CUCUMBERS	574.3	CS-137	<LLD		1.74E-02
58	SITE VARIES FROM PLANT	7/9/2004	CUCUMBERS	574.3	I-131	<LLD		2.08E-02
58	SITE VARIES FROM PLANT	7/9/2004	CUCUMBERS	574.3	K-40	1.82E+00	3.52E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Sample Point		*Sample Date*	*Media*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
58	SITE VARIES FROM PLANT	7/9/2004	SQUASH	804.6	CS-134	<LLD		1.61E-02
58	SITE VARIES FROM PLANT	7/9/2004	SQUASH	804.6	CS-137	<LLD		1.73E-02
58	SITE VARIES FROM PLANT	7/9/2004	SQUASH	804.6	I-131	<LLD		2.07E-02
58	SITE VARIES FROM PLANT	7/9/2004	SQUASH	804.6	K-40	1.78E+00	3.31E-01	
58	SITE VARIES FROM PLANT	7/9/2004	TOMATOES	638.7	CS-134	<LLD		2.14E-02
58	SITE VARIES FROM PLANT	7/9/2004	TOMATOES	638.7	CS-137	<LLD		2.02E-02
58	SITE VARIES FROM PLANT	7/9/2004	TOMATOES	638.7	I-131	<LLD		2.75E-02
58	SITE VARIES FROM PLANT	7/9/2004	TOMATOES	638.7	K-40	2.76E+00	3.87E-01	
58	SITE VARIES FROM PLANT	7/9/2004	TOMATOES	638.7	PB-214	4.49E-02	3.60E-02	
58	SITE VARIES FROM PLANT	10/11/2004	COLLARDS	607.4	CS-134	<LLD		2.12E-02
58	SITE VARIES FROM PLANT	10/11/2004	COLLARDS	607.4	CS-137	<LLD		2.55E-02
58	SITE VARIES FROM PLANT	10/11/2004	COLLARDS	607.4	I-131	<LLD		2.23E-02
58	SITE VARIES FROM PLANT	10/11/2004	COLLARDS	607.4	K-40	3.57E+00	4.83E-01	

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	5/25/2004	500.2	K-40	1.17E+00	8.37E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	11/23/2004	541.9	BI-214	8.63E-02	4.50E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	11/23/2004	541.9	K-40	3.01E+00	7.58E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/26/2004	516.1	CS-137	8.35E-02	3.62E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/26/2004	516.1	K-40	2.26E+00	6.05E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/23/2004	541.1	K-40	2.55E+00	6.26E-01	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/24/2004	514.2	PB-214	1.44E-01	6.89E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/24/2004	514.2	BI-214	8.71E-02	8.06E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/24/2004	514.2	K-40	3.00E+00	7.99E-01	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/22/2004	457.1	CS-137	9.16E-02	3.41E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/22/2004	457.1	PB-214	1.52E-01	9.71E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/22/2004	457.1	BI-214	1.56E-01	7.25E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/22/2004	457.1	TL-208	2.72E-02	2.22E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/22/2004	457.1	K-40	3.04E+00	9.18E-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 OR UNIT 2 DEEP WELL	2/9/2004	1	NO-ACT			
42	UNIT 1 OR UNIT 2 DEEP WELL	4/12/2004	1	NO-ACT			
42	UNIT 1 OR UNIT 2 DEEP WELL	7/9/2004	1	PB-212	4.65E+00	4.27E+00	
42	UNIT 1 OR UNIT 2 DEEP WELL	9/27/2004	1	K-40	7.66E+01	5.94E+01	
42	UNIT 1 OR UNIT 2 DEEP WELL	12/13/2004	1	TL-208	3.16E+00	2.09E+00	
42	UNIT 1 OR UNIT 2 DEEP WELL	12/13/2004	1	K-40	9.79E+01	4.77E+01	
64	SC 23 @ BLACK CREEK	2/9/2004	1	NO-ACT			
64	SC 23 @ BLACK CREEK	4/12/2004	1	NO-ACT			
64	SC 23 @ BLACK CREEK	7/9/2004	1	NO-ACT			
64	SC 23 @ BLACK CREEK	9/27/2004	1	K-40	4.20E+02	6.64E+01	
64	SC 23 @ BLACK CREEK	12/13/2004	1	NO-ACT			

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	3/12/2004	1644.7	PB-212	1.14E-01	2.47E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	3/12/2004	1644.7	BI-214	9.79E-02	3.09E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	3/12/2004	1644.7	PB-214	1.35E-01	3.90E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	3/12/2004	1644.7	RA-226	3.50E-01	2.55E-01	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	3/12/2004	1644.7	AC-228	1.31E-01	4.61E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	3/12/2004	1644.7	TL-208	2.90E-02	1.59E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	8/6/2004	1552.6	TL-208	3.25E-02	1.99E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	8/6/2004	1552.6	BE-7	1.90E-01	1.39E-01	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	8/6/2004	1552.6	PB-212	9.45E-02	2.61E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	8/6/2004	1552.6	BI-214	1.28E-01	4.43E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	8/6/2004	1552.6	PB-214	1.04E-01	3.57E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	8/6/2004	1552.6	AC-228	8.08E-02	5.69E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	8/6/2004	1552.6	RA-226	2.97E-01	2.82E-01	
57	ASH POND	3/12/2004	1501.2	BI-214	6.31E-01	1.29E-01	
57	ASH POND	3/12/2004	1501.2	K-40	1.07E+00	5.58E-01	
57	ASH POND	3/12/2004	1501.2	TL-208	3.32E-01	5.27E-02	
57	ASH POND	3/12/2004	1501.2	AC-228	9.40E-01	1.81E-01	
57	ASH POND	3/12/2004	1501.2	PB-212	9.27E-01	8.25E-02	
57	ASH POND	3/12/2004	1501.2	PB-214	6.42E-01	9.70E-02	
57	ASH POND	3/12/2004	1501.2	RA-226	1.94E+00	8.32E-01	
57	ASH POND	3/12/2004	1501.2	BI-212	6.37E-01	3.05E-01	
57	ASH POND	8/6/2004	1182	TL-208	4.23E-01	8.20E-02	
57	ASH POND	8/6/2004	1182	K-40	7.33E+00	9.81E-01	
57	ASH POND	8/6/2004	1182	AC-228	1.36E+00	2.41E-01	
57	ASH POND	8/6/2004	1182	BE-7	8.00E-01	6.09E-01	
57	ASH POND	8/6/2004	1182	BI-212	1.14E+00	4.67E-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
57	ASH POND	8/6/2004	1182	PB-212	1.34E+00	1.04E-01	
57	ASH POND	8/6/2004	1182	BI-214	1.54E+00	1.80E-01	
57	ASH POND	8/6/2004	1182	PB-214	1.51E+00	1.65E-01	
57	ASH POND	8/6/2004	1182	RA-226	2.94E+00	1.45E+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-	1/12/2004	1.00	NO-ACT			
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	2/12/2004	1.00	NO-ACT			
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	3/18/2004	1.00	NO-ACT			
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	4/19/2004	1.00	NO-ACT			
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	5/17/2004	1.00	NO-ACT			
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	6/18/2004	1.00	NO-ACT			
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	7/20/2004	1.00	NO-ACT			
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	8/20/2004	1.00	NO-ACT			
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	9/20/2004	1.00	NO-ACT			
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	10/18/2004	1.00	NO-ACT			
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	11/18/2004	1.00	NO-ACT			
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	12/20/2004	1.00	NO-ACT			
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	1/12/2004	1.00	K-40	7.68E+01	3.70E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	2/12/2004	1.00	NO-ACT			
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	3/18/2004	1.00	NO-ACT			
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	4/19/2004	1.00	PB-212	2.98E+00	2.58E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/17/2004	1.00	NO-ACT			
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	6/18/2004	1.00	NO-ACT			
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	7/20/2004	1.00	K-40	3.89E+02	5.15E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	7/20/2004	1.00	TL-208	5.91E+00	3.03E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	8/20/2004	1.00	PB-212	6.45E+00	3.75E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	9/20/2004	1.00	K-40	3.15E+02	2.90E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	9/20/2004	1.00	TL-208	3.06E+00	1.76E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	9/20/2004	1.00	PB-214	6.79E+00	3.81E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	10/18/2004	1.00	NO-ACT			
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	11/18/2004	1.00	K-40	6.18E+01	4.54E+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	12/20/2004	1.00	BI-214	1.19E+01	4.52E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	12/20/2004	1.00	TL-208	3.99E+00	2.31E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	12/20/2004	1.00	K-40	8.89E+01	4.55E+01	
57	ASH POND	1/12/2004	1.00	NO-ACT			
57	ASH POND	2/12/2004	1.00	K-40	8.09E+01	4.55E+01	
57	ASH POND	3/18/2004	1.00	PB-212	3.43E+00	2.75E+00	
57	ASH POND	4/19/2004	1.00	K-40	6.85E+01	4.70E+01	
57	ASH POND	5/17/2004	1.00	NO-ACT			
57	ASH POND	6/18/2004	1.00	BI-214	1.03E+01	4.21E+00	
57	ASH POND	6/18/2004	1.00	RA-226	4.05E+01	3.65E+01	
57	ASH POND	6/18/2004	1.00	PB-214	8.71E+00	4.13E+00	
57	ASH POND	6/18/2004	1.00	K-40	9.21E+01	3.65E+01	
57	ASH POND	6/18/2004	1.00	PB-212	1.45E+01	2.67E+00	
57	ASH POND	6/18/2004	1.00	AC-228	9.62E+00	9.00E+00	
57	ASH POND	6/18/2004	1.00	BI-212	1.92E+01	1.29E+01	
57	ASH POND	7/20/2004	1.00	NO-ACT			
57	ASH POND	8/20/2004	1.00	PB-214	8.06E+00	4.95E+00	
57	ASH POND	8/20/2004	1.00	TL-208	4.02E+00	2.19E+00	
57	ASH POND	9/20/2004	1.00	K-40	1.78E+02	3.54E+01	
57	ASH POND	10/18/2004	1.00	PB-212	4.00E+00	1.46E+00	
57	ASH POND	10/18/2004	1.00	RA-226	5.75E+01	2.32E+01	
57	ASH POND	10/18/2004	1.00	K-40	1.68E+02	2.40E+01	
57	ASH POND	11/18/2004	1.00	NO-ACT			
57	ASH POND	12/20/2004	1.00	NO-ACT			