TS 5.6.2

Progress Energy

Serial: RNP-RA/07-0045

MAY 1 0 2007

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 - 2006

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, 2006, through December 31, 2006.

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
Ms. L. M. Regner, 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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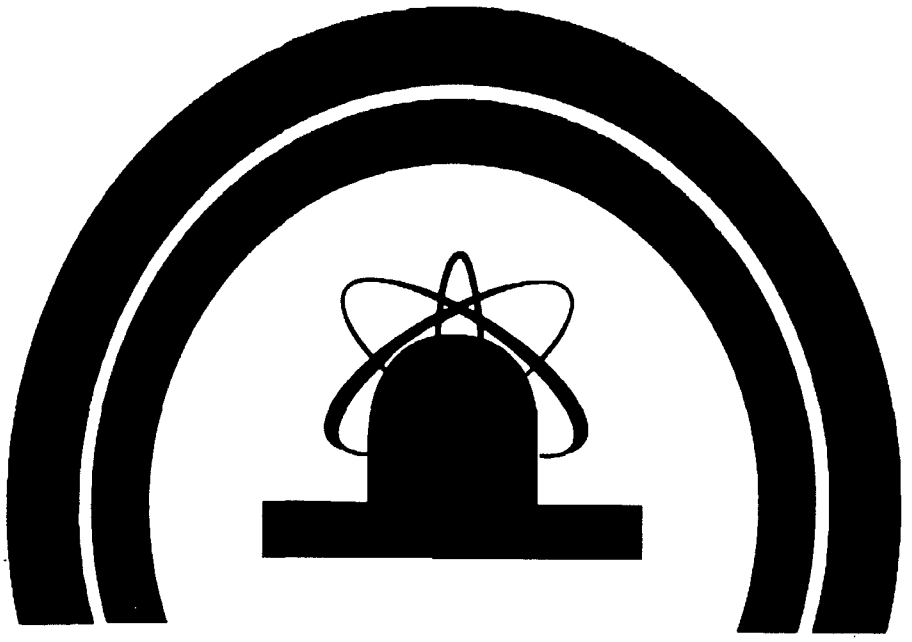
RADIOLOGICAL

ENVIRONMENTAL OPERATING

REPORT

2006



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

CAROLINA POWER & LIGHT COMPANY

ALSO KNOWN AS

PROGRESS ENERGY CAROLINAS, INC.

RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT

FOR THE

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

FACILITY OPERATING LICENSE NO. DPR-23

DOCKET NO. 50-261

JANUARY 1 THROUGH DECEMBER 31, 2006

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EXECUTIVE SUMMARY

The H. B. Robinson Steam Electric Plant, Unit No. 2 (HBRSEP) is operated by Carolina Power & Light Company; also known as Progress Energy Carolinas, Inc.; under a license granted by the Nuclear Regulatory Commission (NRC). The HBRSEP Technical Specifications and the HBRSEP Off-Site Dose Calculation Manual establish the requirements of the Radiological Environmental Monitoring Program. This report provides the results of the Radiological Environmental Monitoring program from January 1, 2006 through December 31, 2006.

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. Food product results indicate the presence of Cs-137 in one indicator sample. Refer to the Interpretations and Conclusions Section / Food Products.

- Aquatic organism monitoring includes fish and aquatic vegetation. Results indicate detectable concentrations of Cs-137 and K-40 in both indicator and control locations for fish, while results also indicate other naturally occurring nuclides in both indicator and control samples. An aquatic vegetation indictor sample indicted the presence of Cs-137 activity. Refer to the Interpretations and Conclusions Section / Aquatic Vegetation.

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

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

- Sediment monitoring includes both shoreline and bottom sediment. During 2006, 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.

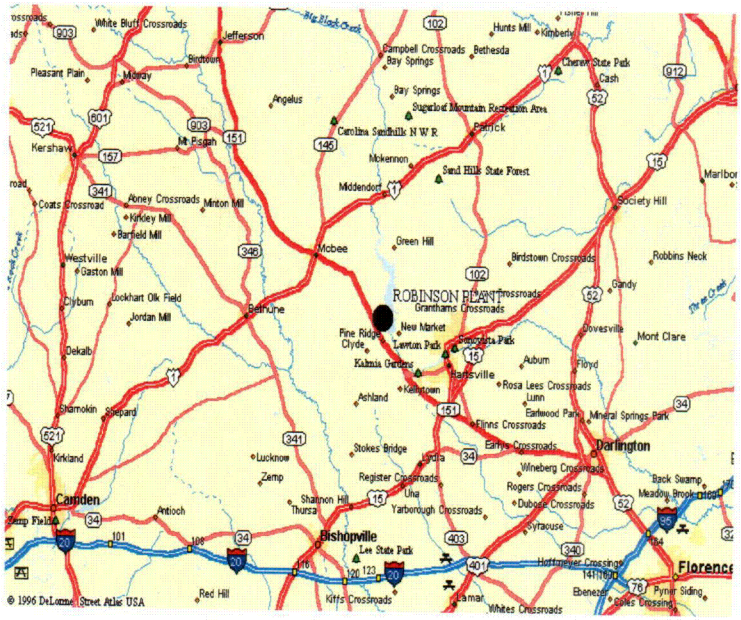

Figure 1: Location of HBRSEP

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

Table 1

Media Used to Assess Exposure Pathways to Man

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

Sampling Locations

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

Radiological Sampling Locations

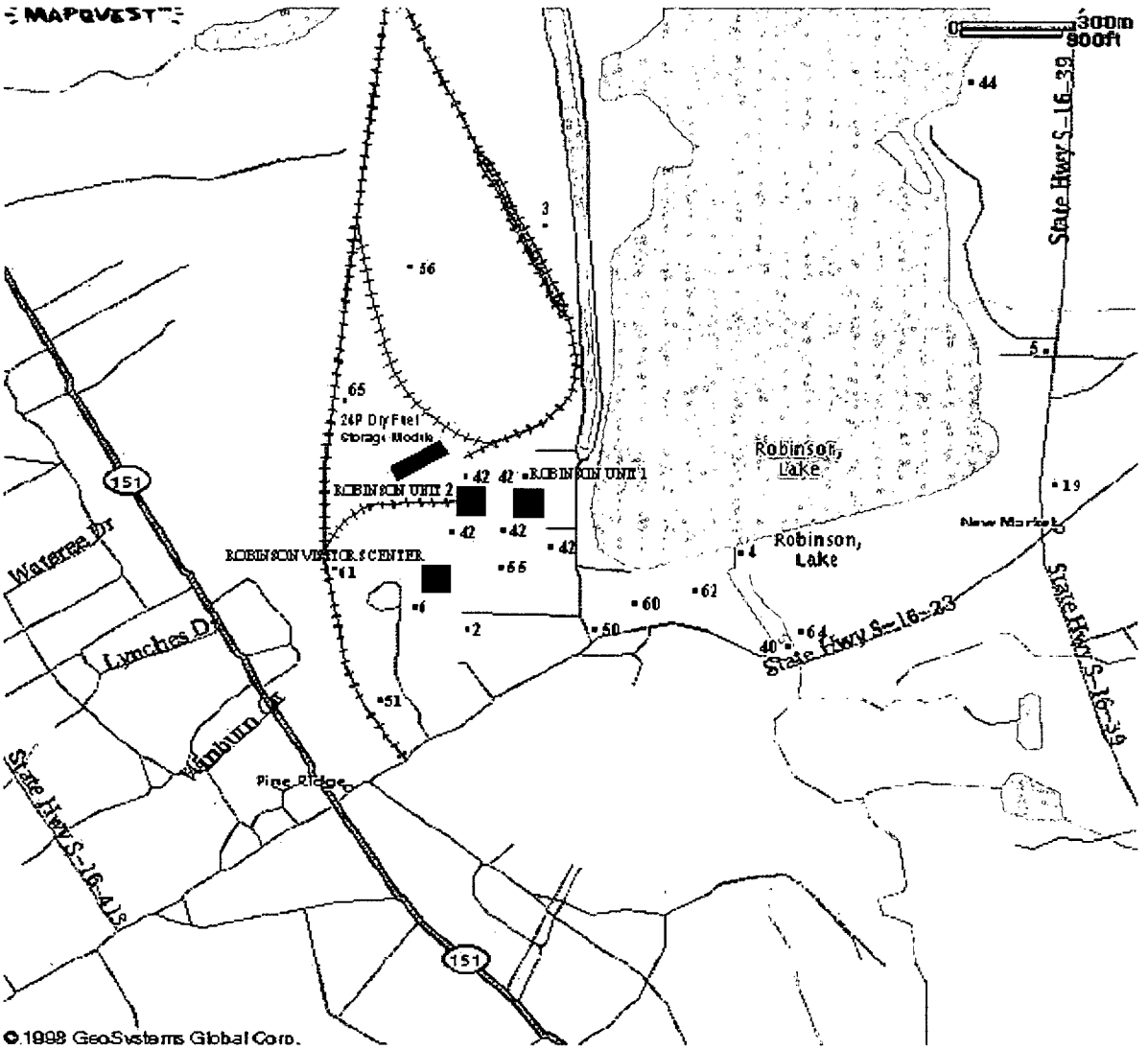

Figure 2: Radiological Sampling Locations (Near Plant)

Stations not shown include 1,7-18, 20-39,41,45,46,47,49,52,54,57and 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, 61, 65
Fish	45-47
Food Products	49, 54, 58
Aquatic Vegetation & Bottom Sediment	41, 45, 46, 54

Radiological Sampling Locations

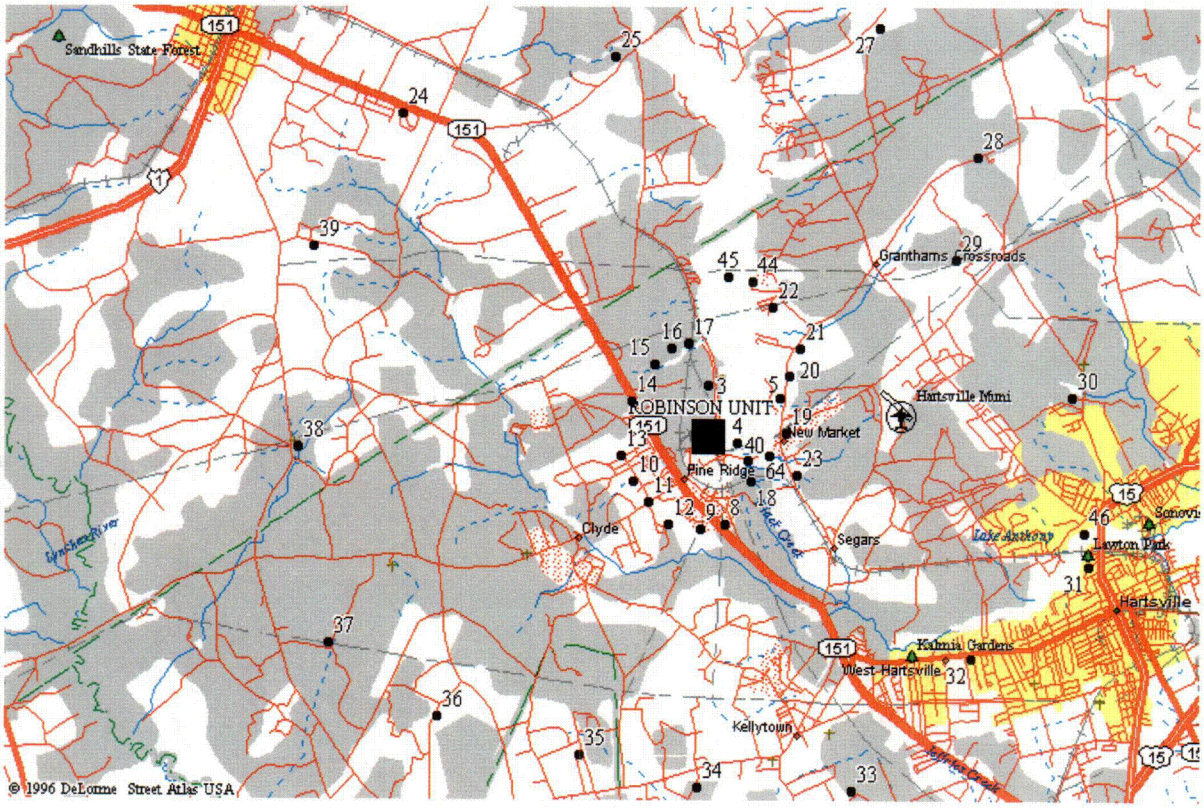

Figure 3: Radiological Sampling Locations (Distant from Plant)

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, 62, and 65.

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, 61, 65
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 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	400 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	410 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	450 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)	300 grams (wet)	Gamma Iodine
Shoreline Sediment (SS)	44--1.6 miles NNE East shore of lake, Shady Rest Club 57--Ash Pond	Semiannual	520 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	400 grams and 520 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	300 grams	Gamma (edible portions)

* Control Stations

Table 2 (Continued)

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

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

*Control Station

SUMMARY OF RADIOLOGICAL MONITORING PROGRAM

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

The purpose of the REMP is to measure accumulation of radioactivity in the environment, to determine whether this radioactivity is the result of the operation of the HBRSEP, Unit No. 2, and to assess the potential dose to the off-site population based on the cumulative measurements of radioactivity of plant origin. Approximately 1,391 samples were collected from indicator and control locations and 1,435 analyses and measurements were made during 2006. 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 0.004 millirem per year.

1. A statistical summary of all the data gathered in 2006 has been compiled in Table 3.

2. Radioactivity in environmental samples attributed to plant operations in 2006, 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 2006 were less than reporting levels as defined in HBRSEP ODCM. Table 5 summarizes the reporting levels.

4. Environmental sampling and analyses performed during 2006 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 2006

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-131 517[3]	6.8E-2	All less than LLD	----------	----------	All less than LLD	0
Air Particulate (pCi/m^3)	Gross Beta 517[3]	2.7E-3	2.24E-2 (466/468) 1.09E-2 - 3.38E-2	Robinson Picnic Area 0.2 mile SE	2.40E-2 (51/52) 1.36E-2 - 3.32E-2	2.16E-2 (51/52) 1.17E-2 - 2.81E-2	0
	Gamma 40	See Table 6	All less than LLD	----------	----------	All less than LLD	0
Aquatic Vegetation[5] (pCi/g, wet)	Gamma 4 Cs-137	4.5E-2	3.88E-2 (1/3) Single value	Site varies within Lake Robinson	3.88E-2 (1/1) Single value	All less than LLD	0
Broadleaf Vegetation (pCi/g, wet)	Gamma 76[3][4] Cs-137	7.4E-2	4.62E-2 (18/57) 2.07E-2 – 1.03E-1	Close to Site Boundary SSW	5.11E-2 (4/19) 2.97E-2 – 1.03E-1	7.76E-2 (7/19) 2.02E-2 – 1.93E-1	0
Fish (pCi/g, wet) Free-Swimmer	Gamma 6 K-40	1.2E+0	3.06E+0 (4/4) 2.62E+0 – 4.18E+0	Site varies within Lake Robinson	3.40E+0 (2/2) 2.62E+0 – 4.18E+0	2.72E+0 (2/2) 2.51E+0 – 2.93E+0	0
	Cs-137	1.2E-1	4.34E-2 (3/4) 2.95E-2 – 7.85E-2	Site varies within Prestwood Lake	5.74E-2 (2/2) 3.63E-2 – 7.85E-2	8.56E-2 (2/2) 8.51E-2 – 8.62E-2	0
Fish (pCi/g, wet) Bottom-Feeder	Gamma 6 K-40	1.2E+0	2.97E+0 (4/4) 2.51E+0 – 3.59E+0	Site varies within Lake Robinson	3.31E+0 (2/2) 3.02E+0 – 3.59E+0	2.49E+0 (2/2) 2.21E+0 – 2.77E+0	0
	Cs-137	1.2E-1	4.20E-2 (4/4) 2.62E-2 – 6.07E-2	Site varies within Lake Robinson	4.94E-2 (2/2) 3.82E-2 – 6.07E-2	4.57E-2 (2/2) 4.07E-2 – 5.08E-2	0

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

H. B. Robinson Steam Electric Plant, Unit No. 2 — Docket Number - 50-261
Darlington County, South Carolina — Calendar Year 2006

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 5[3] K-40	6.1E-1	2.21E+0 (3/3) 7.96E-1 – 3.19E+0	Site varies from Plant	2.21E+0 (3/3) 7.96E-1 – 3.19E+0	1.92E+0 (2/2) 5.47E-1 – 3.30E+0	0
	Cs-137	7.4E-2	1.87E-2 (1/3) Single Value	Site varies from Plant	1.87E-2 (1/2) Single Value	All less than LLD	0
Ground Water (pCi/l)	Gamma 8	See Table 6	All less than LLD	---	---	No control	0
	Tritium 8	3.50E+2 (8/8)[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 — Docket Number - 50-261
Darlington County, South Carolina — Calendar Year 2006

Medium or Pathway Sampled or Measured (Unit of Measurement)	Type and Total No. of Measurements Performed	Lower Limit of Detection (LLD)[1]	All Indicator Locations Mean Range[2]	Location w/Highest Annual Mean		Control Locations Mean Range[2]	Number of Nonroutine Reported Measurements
				Name, Distance, and Direction	Mean Range[2]		
Shoreline Sediment (pCi/g, dry)	Gamma 4	See Table 6	All less than LLD	----------	----------	No Control	0
Bottom Sediment[5] (pCi/g, dry)	Gamma 4 Co-60	1.6E-1	1.57E-1 (1/3) Single value	Site varies within Lake Robinson	1.57E-1 (1/1) Single value	All less than LLD	0
	Cs-137	1.2E-1	4.98E-1 (2/3) 4.64E-1 – 5.32E-1	Site varies within Prestwood Lake	5.32E-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

Docket Number - 50-261
Calendar Year 2006

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	3.50E+2 (36/36)[7]	1.58E+3 (24/24) 5.96E+2 – 3.67E+3	Black Creek at Old Camden 0.6 miles ESE	1.65E+3 (12/12) 8.56E+2 – 3.67E+3	All less than LLD	0
TLD (mR/qtr)[6]	TLD 168[3]	N/A	1.40E+1 (164/168) 9.50E+0 - 2.10E+1	Kelly Bridge Rd. (#S-31-51) 4.5 miles SSW	2.01E+1 (4/4) 1.96E+1 - 2.10E+1	1.28E+1 (4/4) 1.25E+1 - 1.30E+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 3.50E+2 pCi/L for samples that typically demonstrate activity less than the LLD (groundwater and surface water control). The LLD was lowered to be consistent with the LLD used by the state laboratory. Other samples that typically exhibit activity greater than the LLD have a tritium Lower Limit of Detection (LLD) of 1.0E+3 pCi/L.

TABLE 4

Potential Dose Pathways

Sample Media	Radionuclide	Highest Annual Mean (Average) Concentration and Occurrence	Maximum Individual Dose
Surface Water	H-3	1.65E+3 (pCi/L) (12/12)	0.004 millirem/yr (from fish)

TABLE 5

Reporting Levels for Radioactivity Concentrations

in Environmental Samples

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

INTERPRETATIONS AND CONCLUSIONS

Air Sampling

Air samples collected during 2006 had a mean gross beta activity of 2.24E-2 pCi/m^3 for the indicator stations versus an average concentration of 2.16E-2 pCi/m^3 for the control stations. These data are essentially unchanged from 2005; 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 2006. These figures confirm that the indicator stations show no significant increase over the control samples and hence no discernible impact from the plant operation is apparent in the data. Air samplers that experienced down time of greater than 30 hours in a surveillance period are referred to as missed surveillances and discussions can be located in the Missed Surveillances Section of this report.

The 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 466 air cartridge (AC) samples from the indicator stations and 51 air cartridges from the control location in 2006.

Broadleaf Vegetation

Broadleaf vegetation sampling is accomplished by collecting cherry, sassafras, and wax myrtle leaves in 2006. 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 2006, 18 of 57 samples taken from the indicator sites demonstrated detectable concentrations of Cs-137 for an average value of 4.62E-2 pCi/g (wet). The control samples had detectable concentrations of Cs-137 in 7 of 19 samples with a mean concentration of 7.76E-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 2006, 4 out of 4 bottom-feeding fish and 3 out of 4 free-swimming fish (indicator sites) demonstrated detectable concentrations of Cs-137 for an average value of 4.20E-2 pCi/g (wet) and 4.34E-2 pCi/g (wet), respectively. The control samples had detectable concentrations of Cs-137 for 2 out of 2 bottom-feeding fish and 2 out of 2 free-swimming fish for an average concentration of 4.57E-2 pCi/g (wet) and 8.56E-2 pCi/g (wet), respectively. Upon comparing these results, it is concluded that the indicator values reflect fallout Cs-137 contamination. Past sampling experience further supports this interpretation.

Ground Water

No gamma activity associated with plant operations or tritium activity was detected in the eight samples of ground water collected in 2006, which is consistent with the observations in previous years.

Milk

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

Food Products

During 2006, since no gardens were irrigated with water influenced by the plant effluent, no food crops were required to be obtained. Nonetheless, some samples were obtained from control location (FP-49) and indicator location (FP-58) food products (collards and watermelons). No gamma activity associated with plant operation was detected in any control or indicator samples in 2006; however, the presence of Cs-137 was detected in FP-58 collards in November 2006. The detectable Cs-137 activity of 1.867E-2 pCi/g (wet) (18 pCi/kg) was well below the ODCM reportable limit for Cs-137 of 2.0E+3 pCi/kg (NCR # 213623). It was concluded that the Cs-137 detected was due to the presence of dirt on the food product. It is known that soil contains Cs-137, which is present from fallout due to past atmospheric weapon testing.

Shoreline Sediment

In 2006, 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 2006.

Bottom Sediment

Cs-137 activity was detectable in 2 of the 3 indicator bottom sediment samples in 2006, with an average concentration of 4.98E-1 pCi/g (dry). The control sample did not indicate any detectable concentrations of Cs-137. Cobalt-60 (Co-60) activity was detectable in 1 of the 3 indicator samples with a single concentration of 1.57E-1 pCi/g (dry). No other gamma activity, except for naturally occurring gamma activity, was detected in the annual bottom sediment samples in 2006.

Aquatic Vegetation

In 2006, there were three aquatic vegetation indicator samples collected and one aquatic vegetation control sample collected. The aquatic vegetation samples collected pose no dose consequence since this is not a dose pathway. No gamma activity, except for naturally occurring gamma activity, was detected in the annual control aquatic vegetation sample; however, Cs-137 activity was detectable in 1 of 3 indicator samples with a concentration of 3.88E-2 pCi/g (wet) in 2006.

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 2006. These surface waters do not supply drinking water at any downstream location and are not used for irrigation. Therefore, radiological dose via this pathway is limited to the consumption of fish from Lake Robinson. Using the methodology of Regulatory Guide 1.109, Equation A-1, (below) a dose of 0.004 millirem/year to the maximum exposed individual could be assigned to this pathway.

Equation A-1

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

where:

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

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

External Radiation

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

Asiatic Clams

Benthic samples from Lake Robinson during 2006 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 2006; however, three sets of APAC samples were outliers. These outliers were deemed to not be representative results; therefore, they will be reported as Missed Samples.

Missed Samples:

- APAC-1 January 3, 2006 (December 2005 – January 2006) – Total run time was 18.6 hours. Down time of 175 hours due to the failure of the carbon vanes. The carbon vanes were replaced (NCR # 179911). This missed surveillance period was also noted in the RNP 2005 Annual Radiological Environmental Operating Report.
- APAC-2, January 23 – Total run time was 15.9 hours. The air sampler was found not running and the fuse was blown. Replaced the fuse and the unit was returned to service (NCR # 181896).
- APAC-60, June 12 – Total run time was 2.7 hours. The air sampler was found not running, which constituted 166.3 hours of missed sample time. The breaker was checked and found in the OFF position. The breaker was returned to the ON position and the sampler started. The fuse was checked and determined to be satisfactory (NCR # 197159).

Missed Surveillances:

- APAC-1, June 12 – Total run time was 56.8 hours. The air sampler was found not running and the fuse was blown. Replaced the fuse and the unit was returned to service (NCR #197157).
- APAC-55, August 14 – Total run time was 105.0 hours. The air sampler was found not running. The fuse was blown and replaced and the air sampler was returned to service. It appeared that the unit was hit by lightning (NCR # 203176).

Broadleaf Vegetation

Broadleaf vegetation (BL) samples were not available during the months of January, February, March, April, and December of 2006 due to the seasonal nature of broadleaf vegetation (NCR # 180198, 183346, 187269, 190272, and 215897). Only one type of broadleaf vegetation was available in November of 2006 for sampling due to the seasonal unavailability of the vegetation (NCR # 212867).

Thermoluminescent Dosimeters (TLDs)

Four of a possible 172 TLD samples were missing during 2006.

First Quarter: TLD # 15 was damaged by gunshot to the point that the TLD could not be processed (NCR # 195321).

TLD # 56 was missing in the field due to the pine tree it was located on was cut down due to logging in the area (NCR # 187722).

Second Quarter: TLD # 26 was missing due to the area recently being mowed (state road maintenance cutting) at the power pole (NCR # 200122).

Third Quarter: TLD # 21 was determined to be destroyed in the field due to vegetation being cleared around the tree where the TLD was located. The equipment used to clear the area destroyed the TLD holder (cage). The TLD could not be located and was deemed to have been destroyed (NCR # 209267).

ANALYTICAL PROCEDURES

Gross Beta

Gross beta radioactivity measurements are made using a Tennelec Low-Background Alpha/Beta Counting System. The LLD for air particulates is approximately 2.7E-3 pCi/m^3.

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

Tritium

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

Iodine-131

Iodine-131 airborne concentrations are analyzed by the intrinsic germanium (Ge) gamma spectrometry systems. The cartridges are placed on the detector and each charcoal cartridge is typically counted for 900 seconds individually with an approximate LLD of 6.8E-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 3,000 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.

The Interlaboratory Comparison Program entails measurements on each instrument that is used to determine concentrations of radioactive material in the various media that are analyzed as part of the REMP. From these individual measurements, average results are calculated for each sample medium. During 2006, 133 average analyses were completed on 22 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 133 average analyses have been received from Analytics, Inc. The results have been compared to the criteria established in the NRC Inspection Manual (Procedure 84750) for Radioactive Waste Treatment, Effluent, and Environmental monitoring.

All of the 133 average analyses were within the acceptance criteria, except for one Cs-134 result on a single filter sample, which fell outside the acceptable criteria (NCR # 204953). During 2006, each individual measurement (587 analyses) was evaluated; with all but six (6) of the individual measurements falling within the acceptable criteria (NCR # 204952, 204953, and 226140). Any results that lie outside the ratio criteria have had an evaluation performed to identify any recommended remedial actions and to reduce anomalous errors. Complete documentation of any evaluation will be available and provided to the NRC upon request.

Lower Limits of Detection

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

Table 6

Typical Lower Limits of Detection (a priori)

Gamma Spectrometry

Surface Water/Groundwater Samples	
Isotope	**LLD (pCi/L)**
Mn-54	3 / 6
Co-58	4 / 11
Fe-59	9 / 17
Co-60	5 / 13
Zn-65	8 / 18
Zr-Nb-95	7 - 5 / 13 - 9
I-131	14 / 7
Cs-134	5 / 9
Cs-137	4 / 8
Ba-La-140	35 - 14 / 32 - 14
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	148
Cs-137	121
Fish	
Isotope	**LLD (pCi/kg, wet)**
Mn-54	95
Co-58	110
Fe-59	257
Co-60	123
Zn-65	245
Cs-134	126
Cs-137	123
Food Products and Vegetation / Aquatic	
Isotope	**LLD (pCi/kg, wet)**
I-131	57 / 56
Cs-134	59 / 54
Cs-137	74 / 46

LAND USE CENSUS

PURPOSE OF THE LAND USE CENSUS

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

The pathways that are evaluated are:

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

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

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

Methodology

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

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

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

Land Use Census Results

The RNP Land Use Census was performed June 2006 per ODCM 4.4.1 which states that the land use census shall be conducted once per 24 months during the growing season. The last RNP land use census was performed in 2004. The 2006 and 2004 results of the survey for the nearest resident, garden, milk producing animal, and meat/egg producing animal for each meteorological sector are compared in Table 7.

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

TABLE 7

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

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

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

*Changes from 2004.

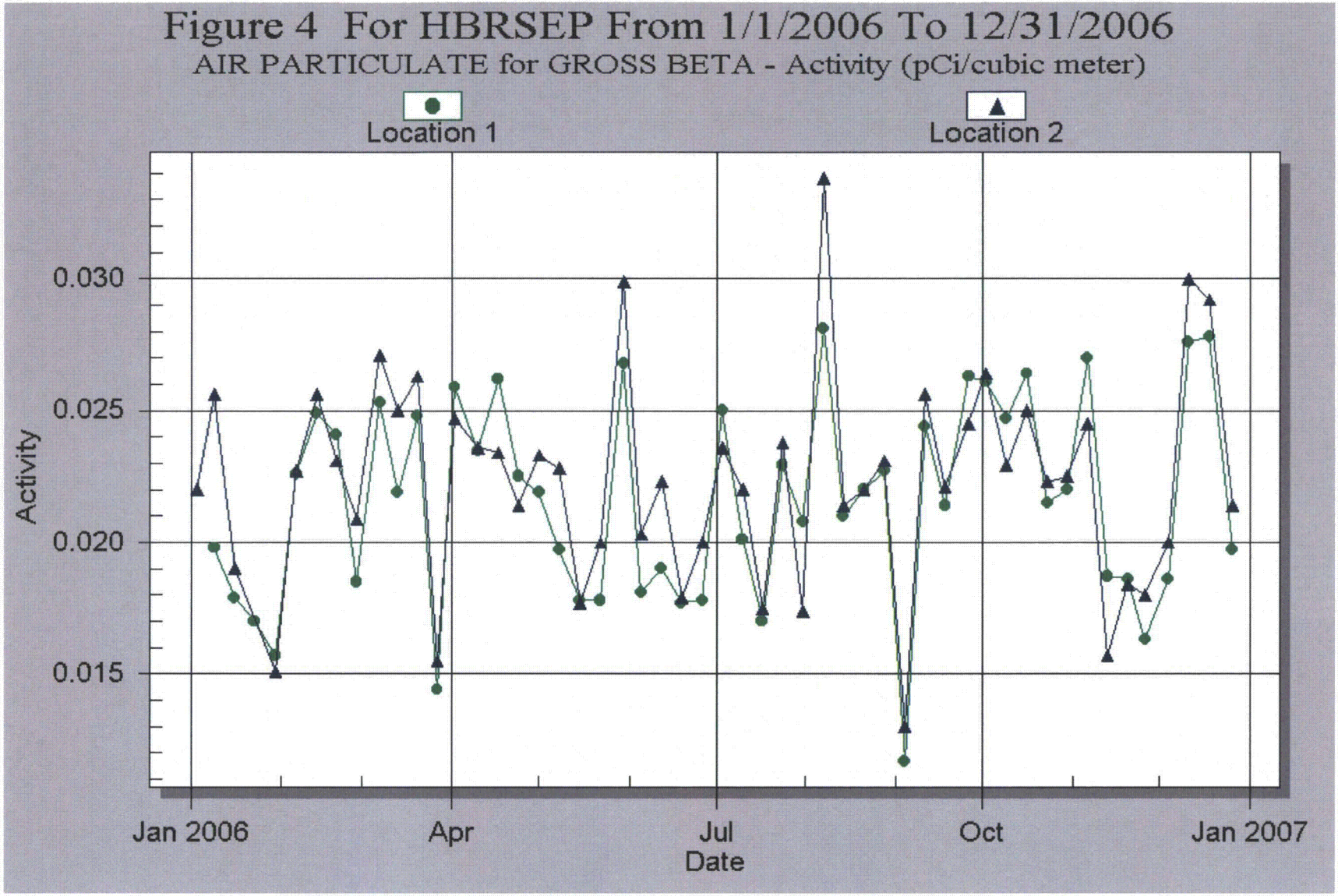
Figure 4 For HBRSEP From 1/1/2006 To 12/31/2006
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)
Location 1
Location 2
0.030
0.025
0.020
0.015
Activity
Jan 2006
Apr
Jul
Oct
Jan 2007
Date

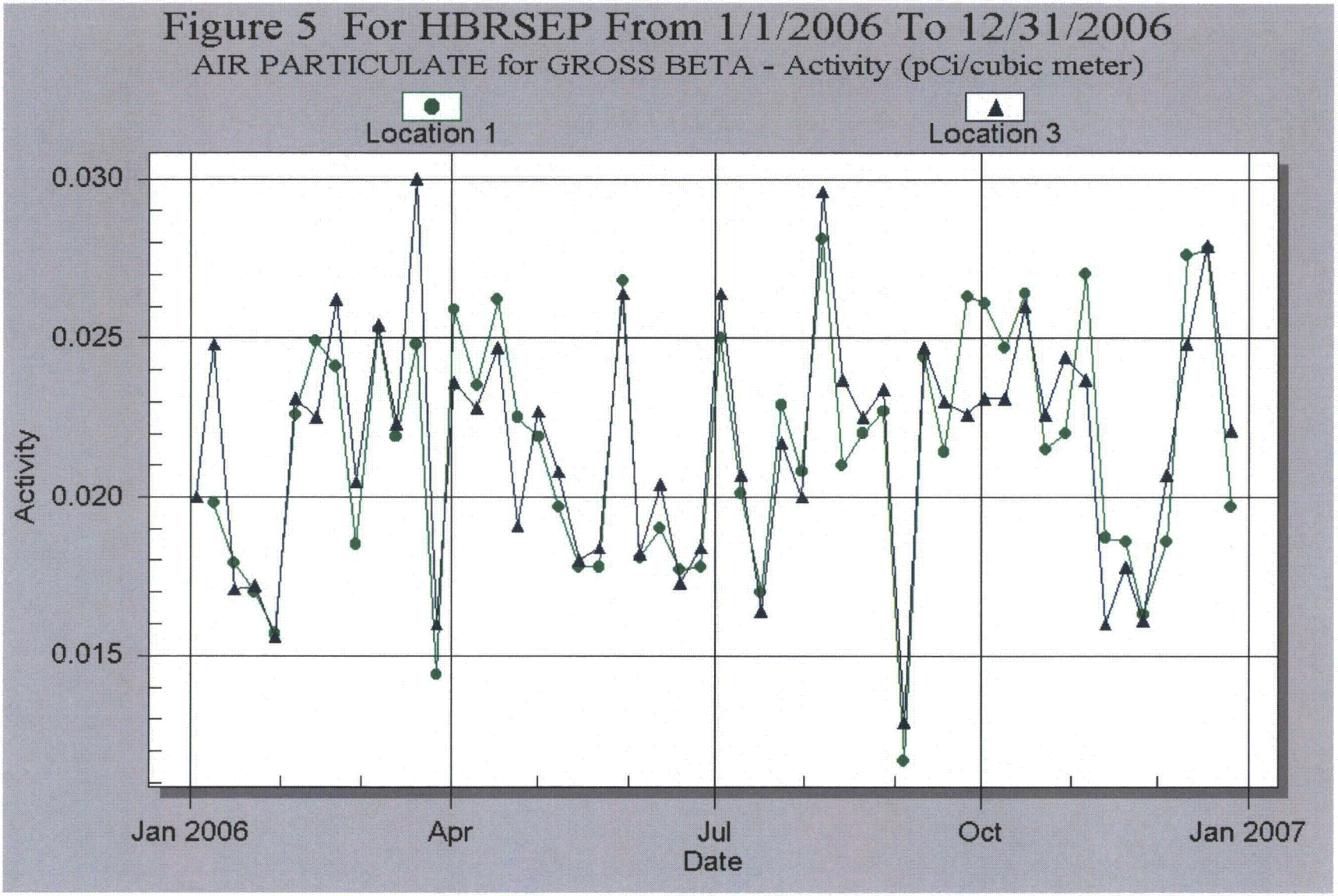
Figure 5 For HBRSEP From 1/1/2006 To 12/31/2006
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)
Location 1
Location 3
0.030
0.025
0.020
0.015
Activity
Jan 2006
Apr
Jul
Oct
Jan 2007
Date

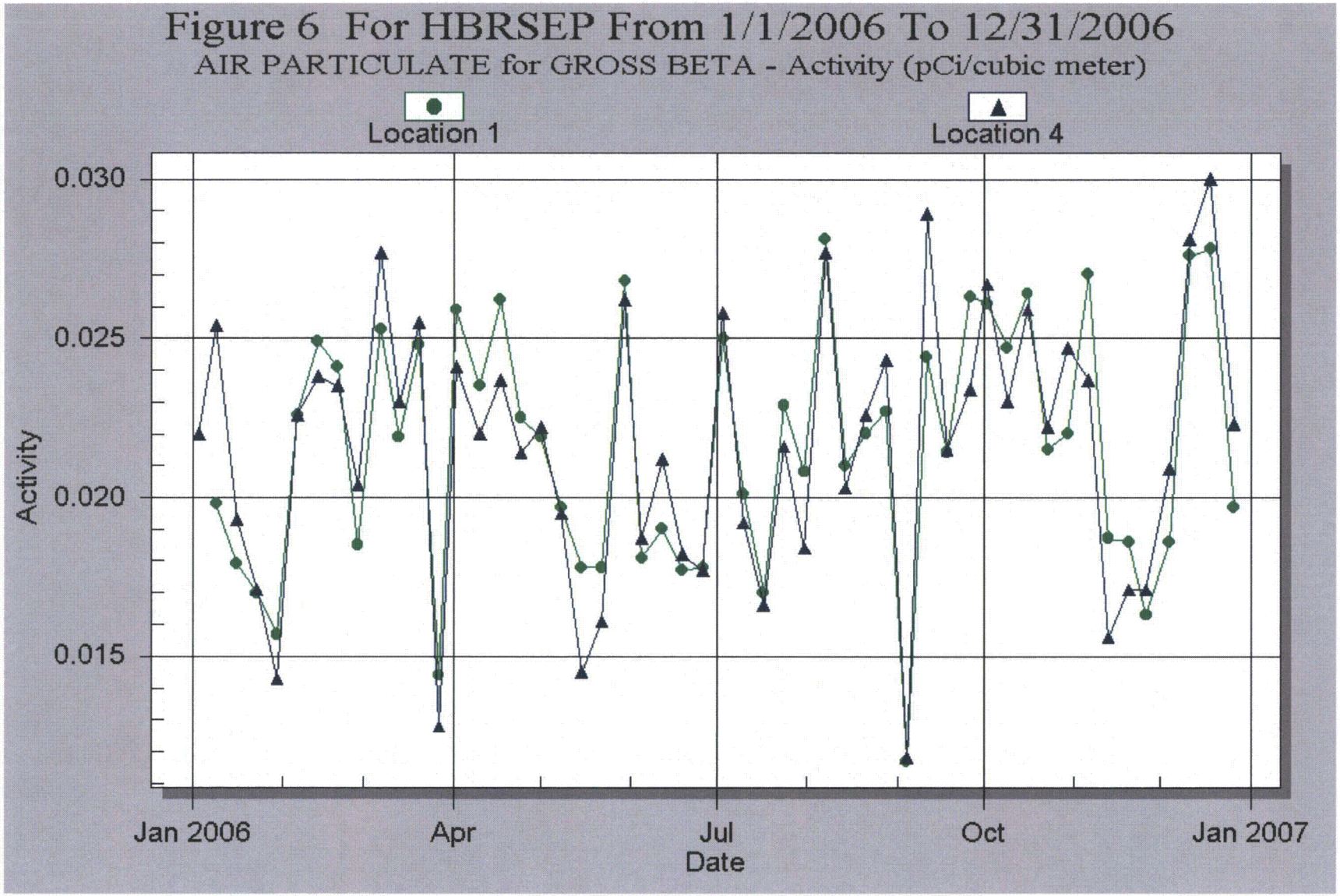
Figure 6 For HBRSEP From 1/1/2006 To 12/31/2006
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)
Location 1
Location 4
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0.025
0.020
0.015
Activity
Jan 2006
Apr
Jul
Oct
Jan 2007
Date

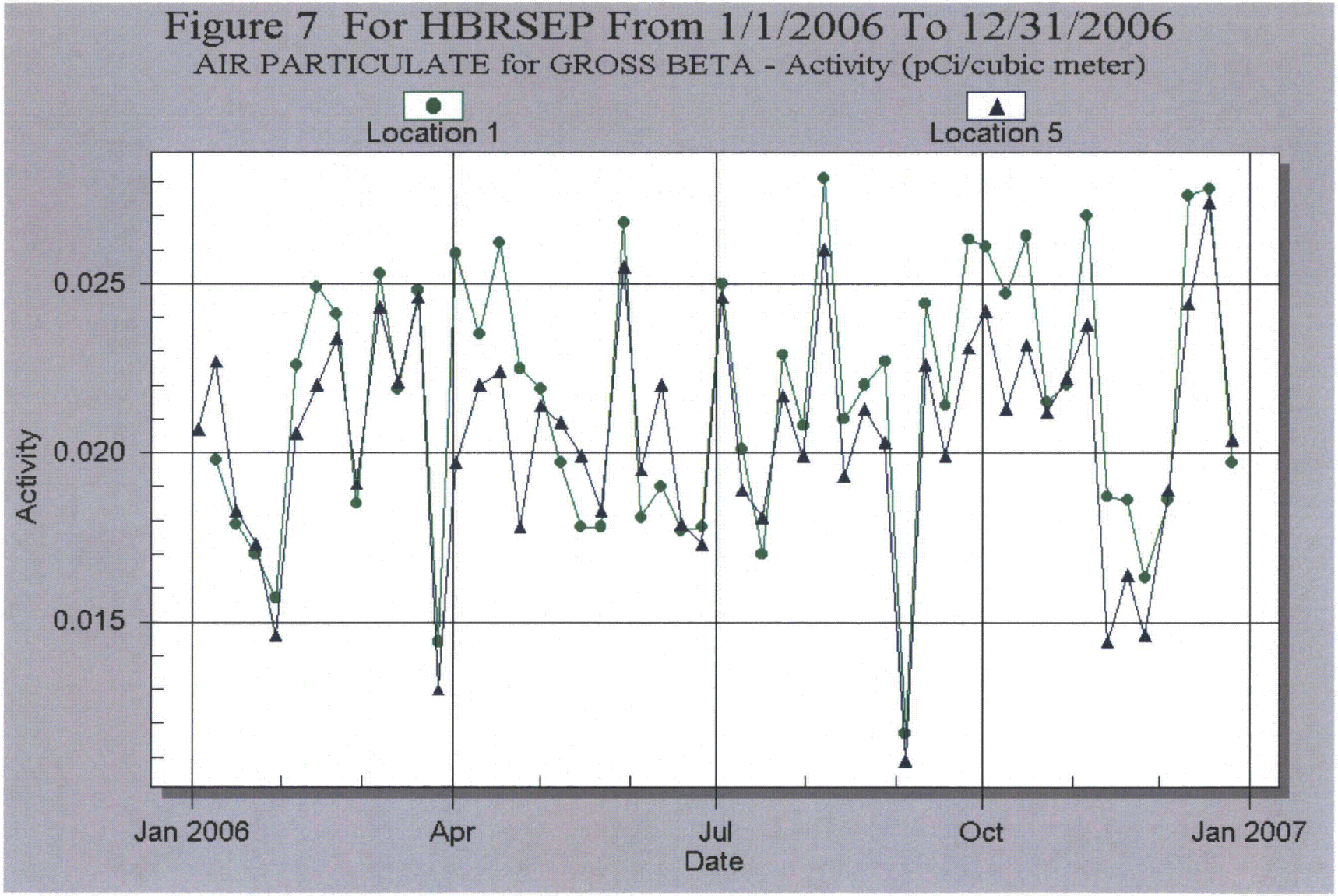
Figure 7 For HBRSEP From 1/1/2006 To 12/31/2006
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)
Location 1
Location 5
0.025
0.020
0.015
Activity
Jan 2006
Apr
Jul
Oct
Jan 2007
Date

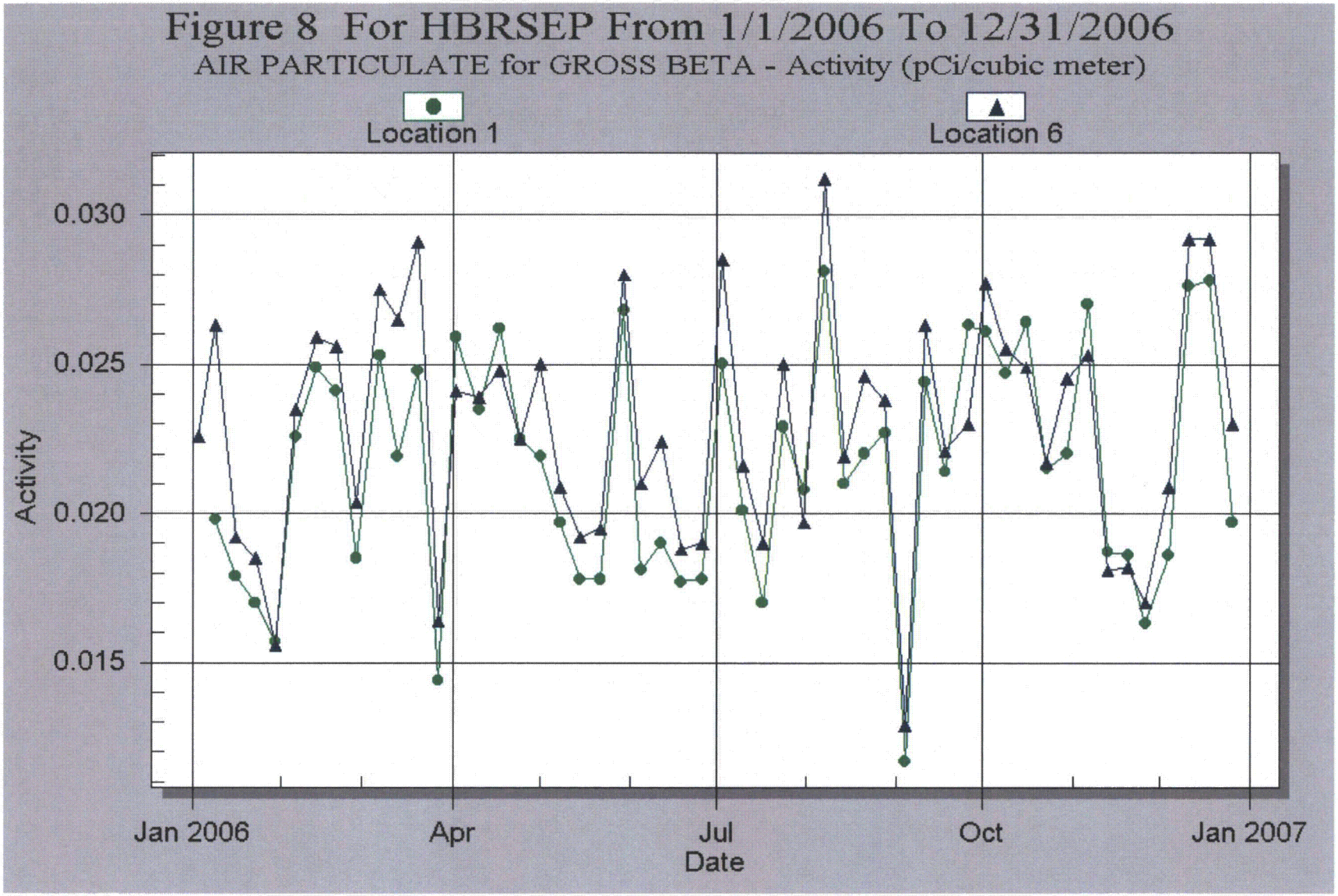
Figure 8 For HBRSEP From 1/1/2006 To 12/31/2006
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)
Location 1
Location 6
0.030
0.025
0.020
0.015
Activity
Jan 2006
Apr
Jul
Oct
Jan 2007
Date

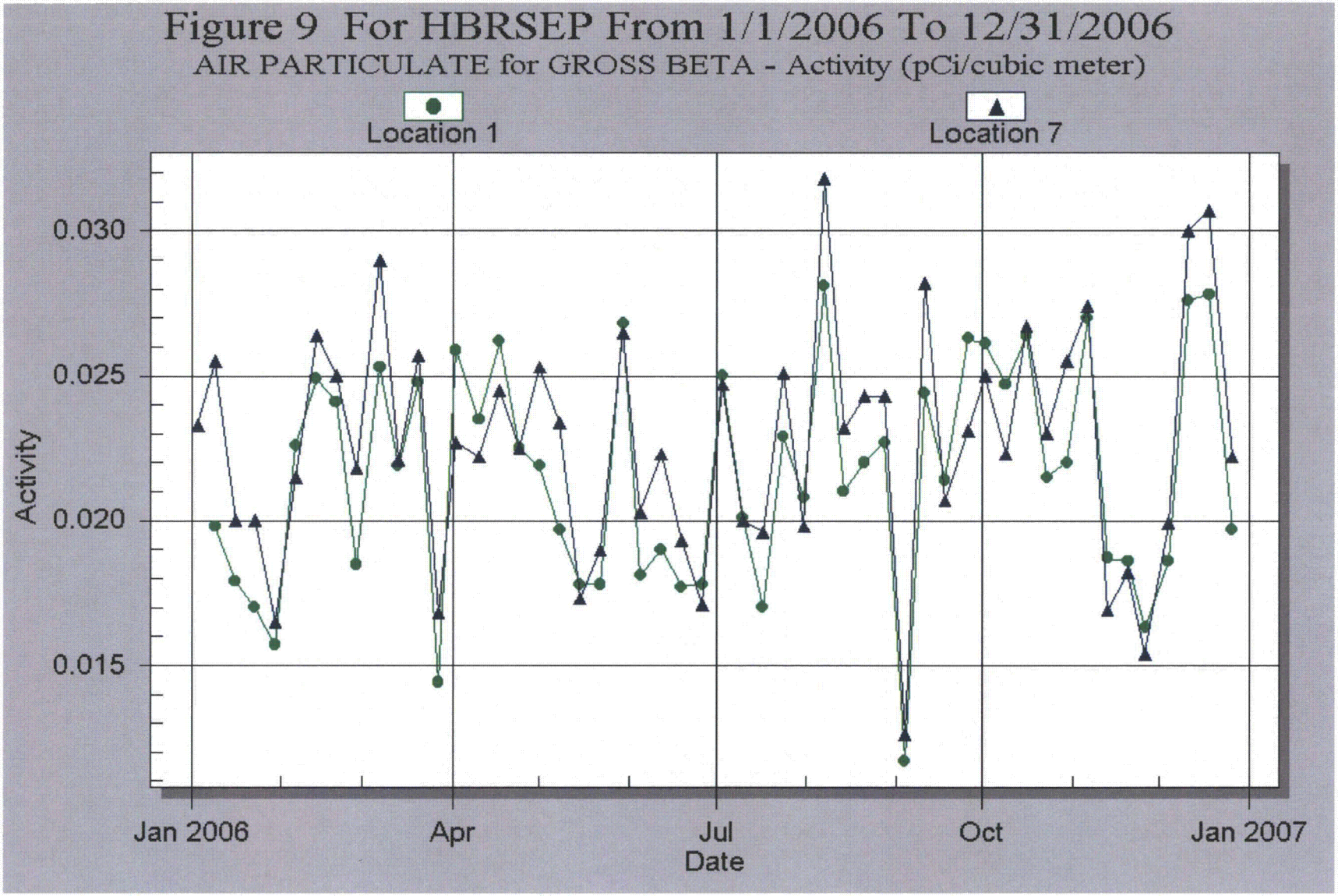
Figure 9 For HBRSEP From 1/1/2006 To 12/31/2006
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)
Location 1
Location 7
0.030
0.025
0.020
0.015
Activity
Jan 2006
Apr
Jul
Oct
Jan 2007
Date

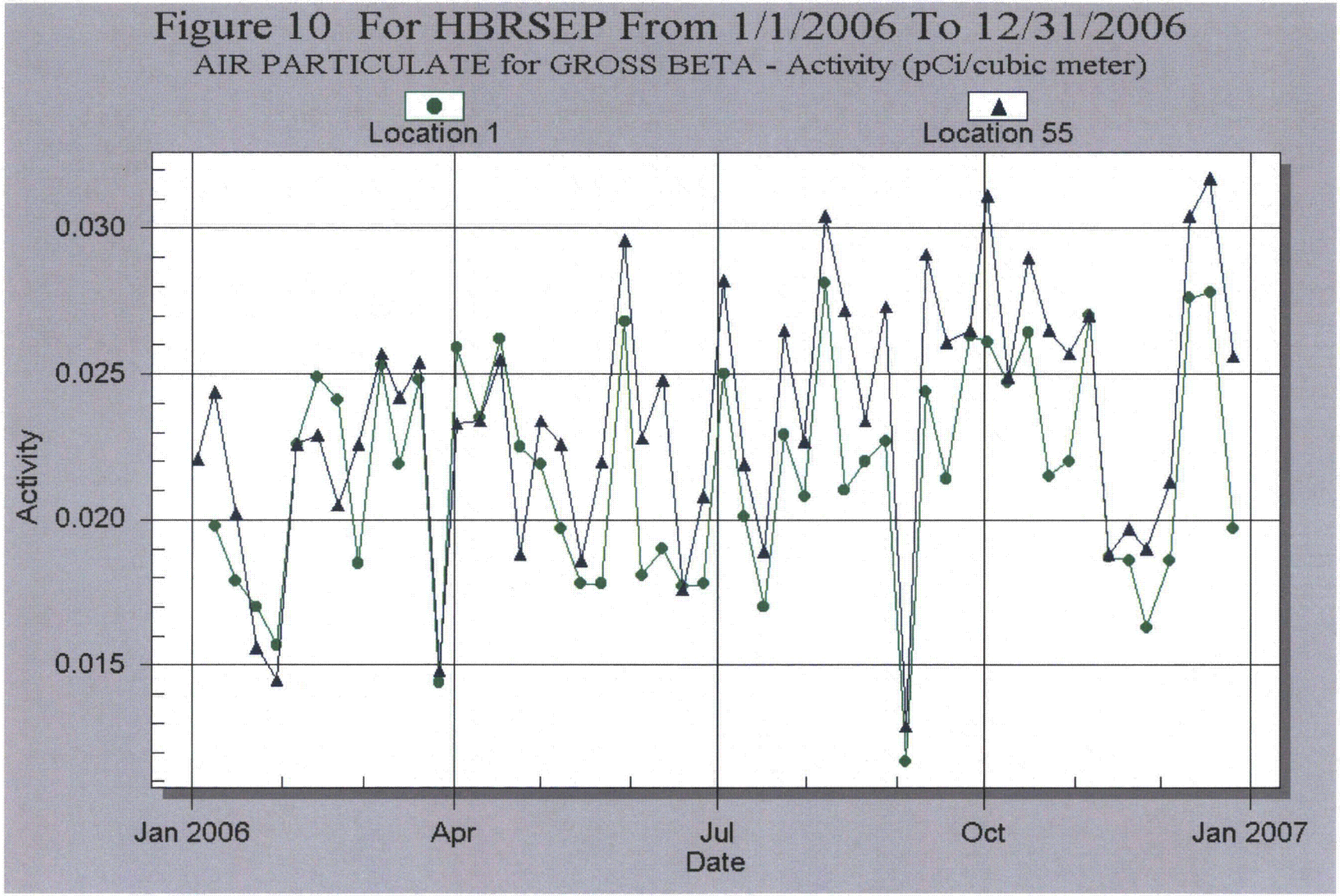
Figure 10 For HBRSEP From 1/1/2006 To 12/31/2006
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)
Location 1
Location 55
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0.025
0.020
0.015
Activity
Jan 2006
Apr
Jul
Oct
Jan 2007
Date

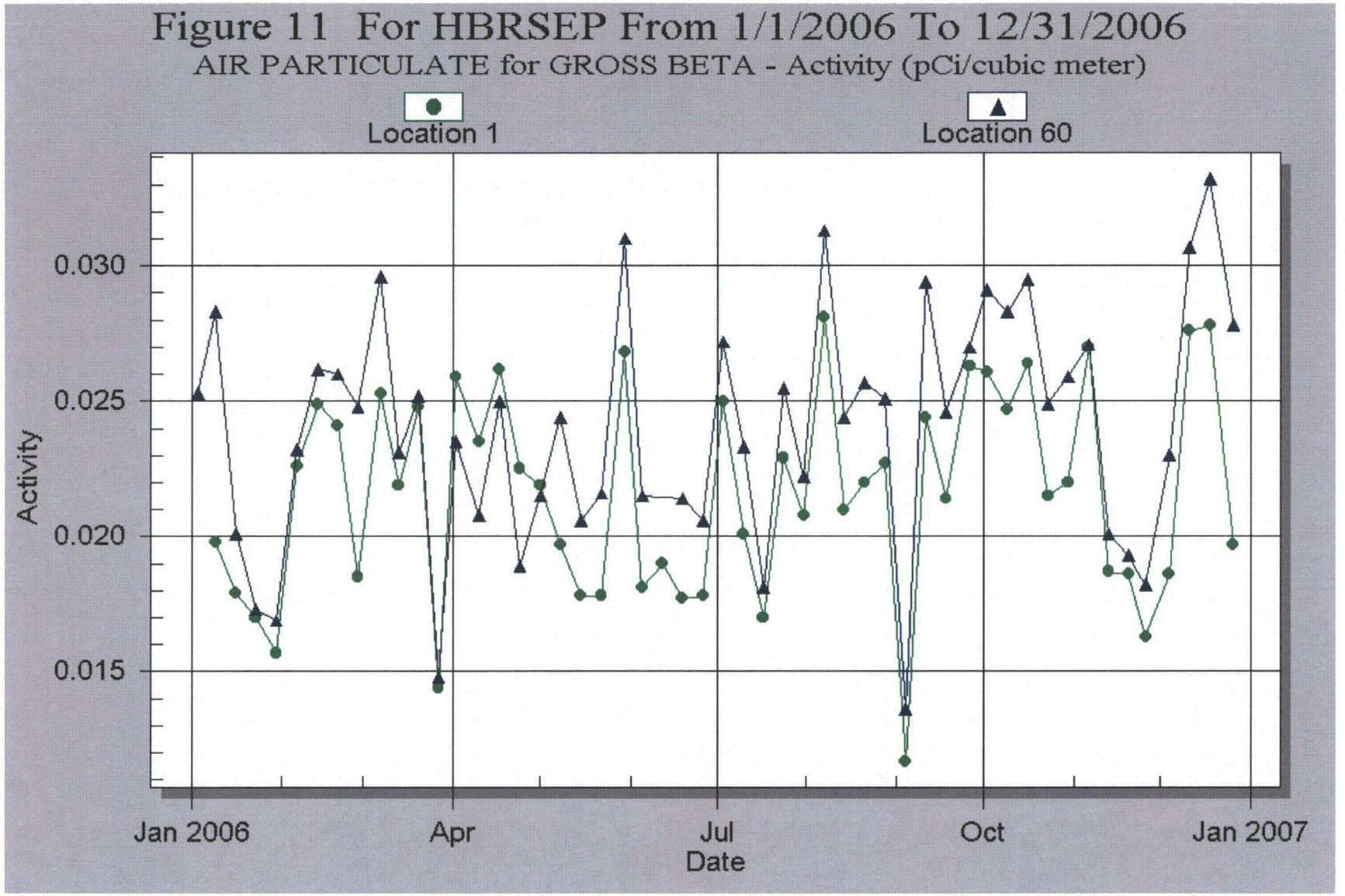


Figure 11 For HBRSEP From 1/1/2006 To 12/31/2006
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)
Location 1
Location 60
0.030
0.025
0.020
0.015
Activity
Jan 2006
Apr
Jul
Oct
Jan 2007
Date

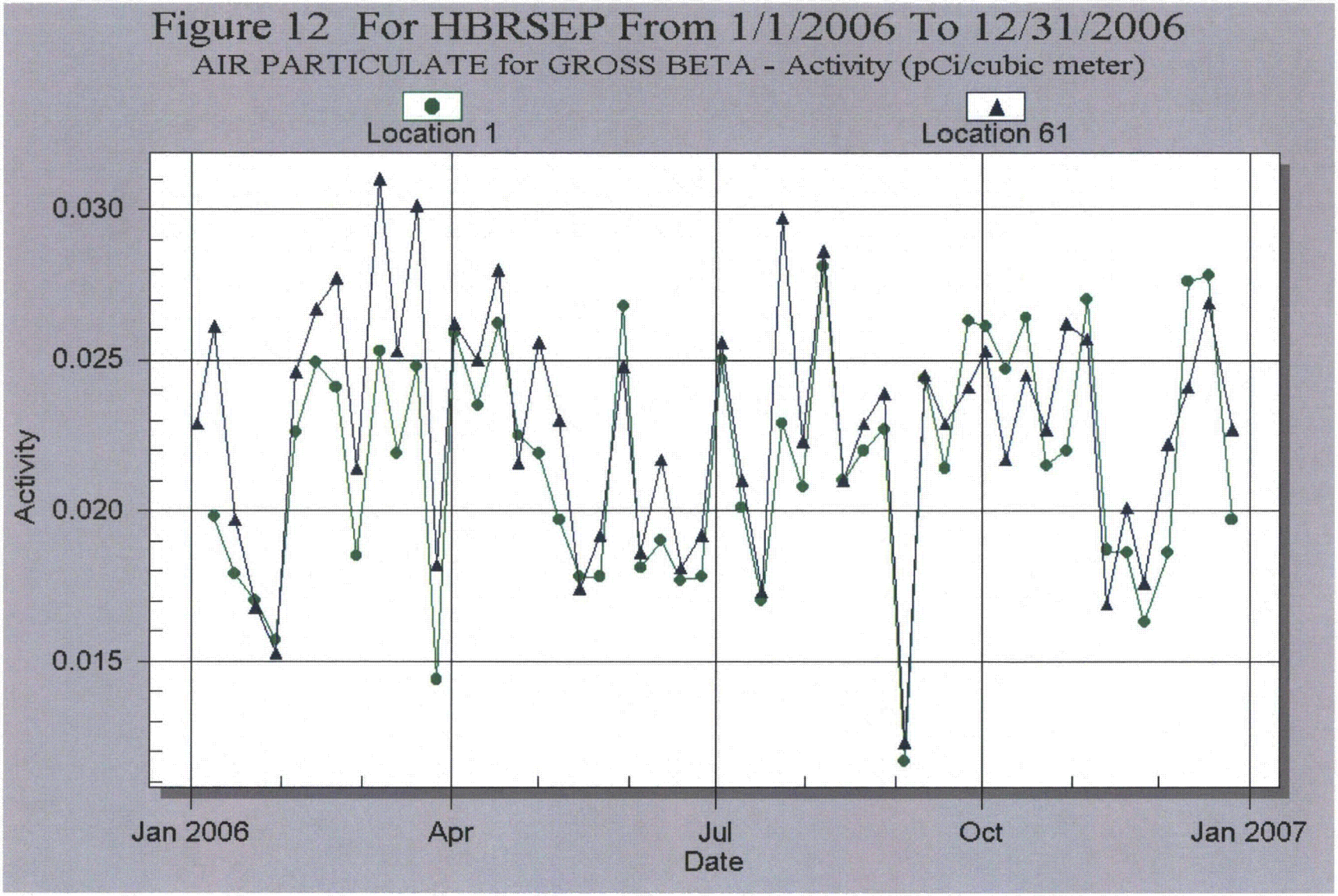


Figure 12 For HBRSEP From 1/1/2006 To 12/31/2006
AIR PARTICULATE for GROSS BETA - Activity (pCi/cubic meter)
Location 1
Location 61
0.030
0.025
0.020
0.015
Activity
Jan 2006
Apr
Jul
Oct
Jan 2007
Date

Figure 13 RNP 2006 Surface Water Tritium

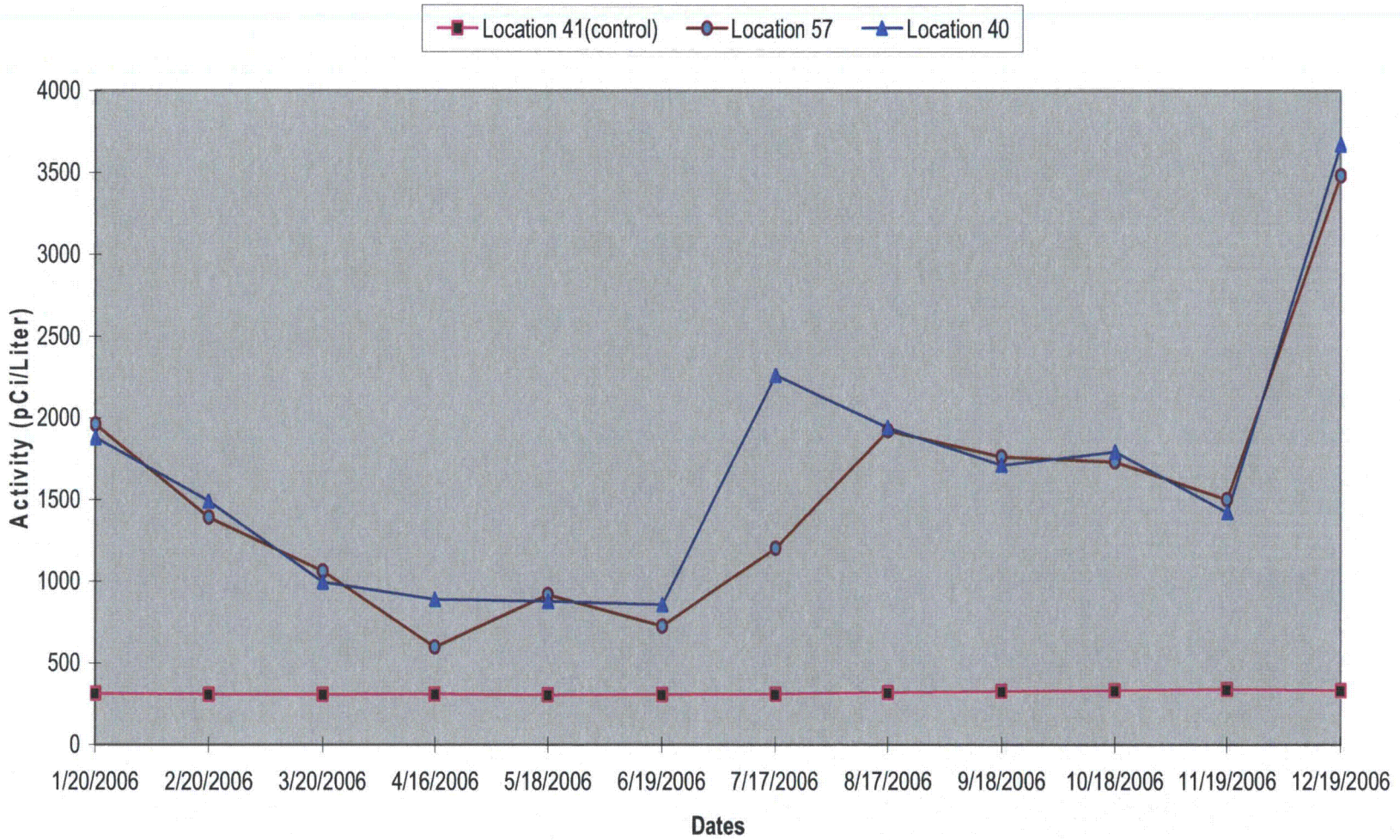
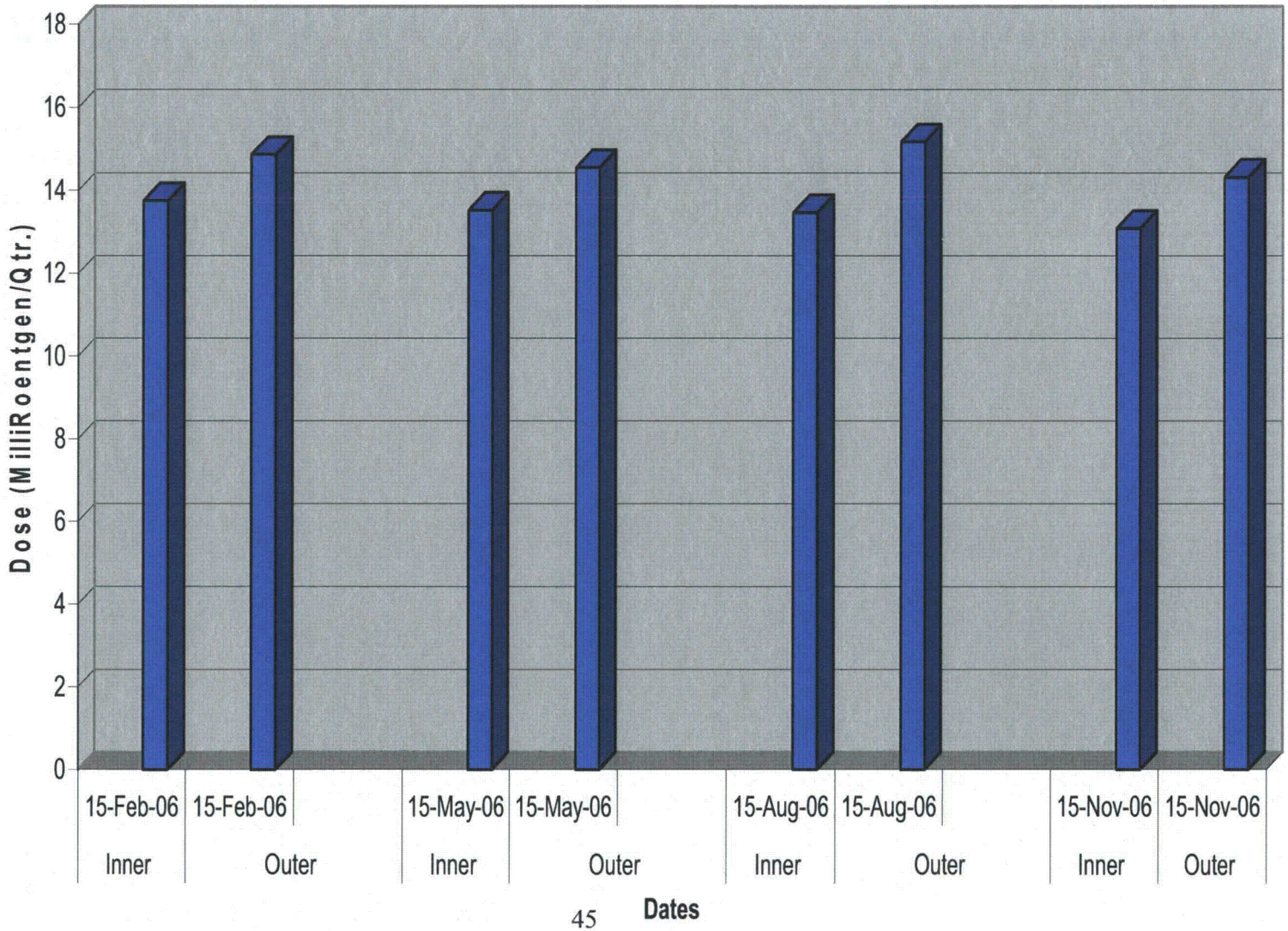


Figure 14 RNP 2006 TLD Averages for Inner and Outer Ring Locations



REPORT DATA FOR HBRSEP (RNP)

TLD Report
- 8 pages

Analysis Report
- 44 pages

Gamma Isotopic Report
- 51 pages

APPENDIX

TABLE 5 (Cont.)

ROBINSON NUCLEAR PLANT

RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM DATA SUMMARY

H. B. Robinson Steam Electric Plant, Unit No. 2 — Docket Number - 50-261

Darlington County, South Carolina — Calendar Year 1998

Medium or Pathway Sampled or Measured (Unit of Measurement)	Type and Total No. of Measurements Performed	Lower Limit of Detection (LLD)[1]	All Indicator Locations Mean Range[2]	Location w/Highest Annual Mean: Name, Distance, and Direction	Location w/Highest Annual Mean: Mean Range[2]	Control Locations Mean Range[2]	Number of Nonroutine Reported Measurements
Milk (pCi/l)	I-131 14[3]	1.0E+0	All less than LLD		All less than LLD	No Control	0
	Gamma 14[3]	See Table 8	All less than LLD		All less than LLD	No Control	0
Shoreline Sediment (pCi/g, dry)	Gamma 4	See Table 8	All less than LLD		All less than LLD	No Control	0
Bottom Sediment[5] (pCi/g, dry)	Gamma 4 Co-60	4.2E-2	9.56E-1 (1/3) Single value	Lake Robinson Site varies	9.56E-1 (1/1) Single value	All less than LLD	0
	Cs-137	4.7E-2	2.50E-1 (2/3) 1.64E-1 - 3.36E-1	Lake Robinson Site varies	3.36E-1 (1/1) Single value	9.14E-2 (1/1) Single value	0
Aquatic Vegetation[6] (pCi/g, wet)	Gamma 4 Mn-54	3.2E-2	6.30E-2 (1/3) Single value	Lake Robinson Site varies	6.30E-2 (1/1) Single value	All less than LLD	0
	Co-58	3.0E-2	1.56E-1 (3/3) 5.91E-2 - 2.83E-1	Lake Robinson Site varies	2.83E-1 (1/1) Single value	All less than LLD	0
	Co-60	3.1E-2	1.07E-1 (1/3) Single value	Lake Robinson Site varies	1.07E-1 (1/1) Single value	All less than LLD	0
	Cs-137	2.9E-2	4.00E-2 (2/3) 3.69E-2 - 4.32E-2	Auburndale Plantation 10.1 miles E	4.32E-2 (1/1) Single value	All less than LLD	0
Surface Water (pCi/l)	Gamma 36	See Table 8	All less than LLD		All less than LLD	All less than LLD	0
	Tritium 36	3.25E+2 (12/36)[7] 1.0E+3 (24/36)[7]	1.83E+3 (22/24) 4.61E+2 - 4.42E+3	Black Creek @ 16-23 0.6 mile ESE	1.92E+3 (11/12) 6.06E+2 - 4.36E+3	All less than LLD	0
TLD (mR/qtr)[6]	TLD 158[3]	N/A	1.44E+1 (154/154) 9.40E+0 - 2.30E+1	Transmission Tower 5.0 miles WSW	2.10E+1 (4/4) 1.92E+1 - 2.30E+1	1.39E+1 (4/4) 1.37E+1 - 1.42E+1	0

TABLE 6

Radioactivity in Environmental Samples

Attributed to Plant Operations

Sample Media	Radionuclide	Average Concentration and Occurrence	Maximum Individual Dose
Bottom Sediment	Co-60	9.56 E-1 (pCi/g dry) (1/3)	*
Aquatic Vegetation	Mn-54	6.30 E-2 (pCi/g wet) (1/3)	*
	Co-58	1.56 E-1 (pCi/g wet) (3/3)	*
	Co-60	1.07 E-1 (pCi/g wet) (1/3)	*
Surface Water	H-3	1.83 E+3 (pCi/l) (22/24)	0.004 millirem/yr (from fish)

*No dose calculated since no general population exposure pathway exists.

2006 HBRSEP (RNP)

Radiological Environmental Monitoring TLD Report

Comments

- All RNP Environmental TLDs were present in 2006, except for the following TLDs:
    - TLD # 15 First Quarter of 2006
    - TLD # 56 First Quarter of 2006
    - TLD # 26 Second Quarter of 2006
    - TLD # 21 Third Quarter of 2006

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	2/15/2006	13	1.4
1	24.4 MI ESE - FLORENCE - CONTROL	5/15/2006	13	1
1	24.4 MI ESE - FLORENCE - CONTROL	8/15/2006	12.5	2.2
1	24.4 MI ESE - FLORENCE - CONTROL	11/15/2006	12.7	1.2
2	0.2 MI S - INFORMATION CENTER	2/15/2006	15.2	1.2
2	0.2 MI S - INFORMATION CENTER	5/15/2006	12.5	0.9
2	0.2 MI S - INFORMATION CENTER	8/15/2006	12.7	1.9
2	0.2 MI S - INFORMATION CENTER	11/15/2006	12.1	0.6
3	0.5 MI N - MICROWAVE TOWER	2/15/2006	14.4	1.9
3	0.5 MI N - MICROWAVE TOWER	5/15/2006	14.4	1.4
3	0.5 MI N - MICROWAVE TOWER	8/15/2006	13.7	1.9
3	0.5 MI N - MICROWAVE TOWER	11/15/2006	14	0.6
4	0.4 MI ESE - SPILLWAY	2/15/2006	9.5	2.5
4	0.4 MI ESE - SPILLWAY	5/15/2006	9.8	1.6
4	0.4 MI ESE - SPILLWAY	8/15/2006	9.9	2
4	0.4 MI ESE - SPILLWAY	11/15/2006	9.7	1.7
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSONS LA	2/15/2006	15.3	2.4
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSONS LA	5/15/2006	13.8	1.7
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSONS LA	8/15/2006	14.2	1.8
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSONS LA	11/15/2006	12.3	1.1
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/15/2006	12.6	1.4
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/15/2006	13.6	0.8

Dose: mR/std. qtr.

TLD	*TLD Location Description*	*Sample Date*	*Dose*	*2 Sigma Error*
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/15/2006	12.7	1.9
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/15/2006	12.5	0.6
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVILLE	2/15/2006	14.1	1.7
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVILLE	5/15/2006	12	0.9
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVILLE	8/15/2006	14.4	2.4
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVILLE	11/15/2006	11.5	1
8	0.8 MI SSE - TRANSMISSION RIGHT-OF-WAY	2/15/2006	11.1	1.5
8	0.8 MI SSE - TRANSMISSION RIGHT-OF-WAY	5/15/2006	10.4	2
8	0.8 MI SSE - TRANSMISSION RIGHT-OF-WAY	8/15/2006	11.1	1.7
8	0.8 MI SSE - TRANSMISSION RIGHT-OF-WAY	11/15/2006	10.2	0.9
9	1.0 MI S - TRANSMISSION RIGHT-OF-WAY	2/15/2006	11.5	2
9	1.0 MI S - TRANSMISSION RIGHT-OF-WAY	5/15/2006	11.2	0.9
9	1.0 MI S - TRANSMISSION RIGHT-OF-WAY	8/15/2006	11.4	1.9
9	1.0 MI S - TRANSMISSION RIGHT-OF-WAY	11/15/2006	10.7	1.3
10	1.0 MI WSW - CLYDE CHURCH OF GOD	2/15/2006	14.2	1.1
10	1.0 MI WSW - CLYDE CHURCH OF GOD	5/15/2006	12.8	1
10	1.0 MI WSW - CLYDE CHURCH OF GOD	8/15/2006	12.1	2
10	1.0 MI WSW - CLYDE CHURCH OF GOD	11/15/2006	12.4	0.8
11	1.0 MI SW - OLD CAMDEN RD	2/15/2006	10.3	1.4
11	1.0 MI SW - OLD CAMDEN RD	5/15/2006	10.6	1.4
11	1.0 MI SW - OLD CAMDEN RD	8/15/2006	10.2	1.9
11	1.0 MI SW - OLD CAMDEN RD	11/15/2006	10.4	0.7
12	1.2 MI SSW-OFF OF OLD CAMDEN RD	2/15/2006	13.7	1.8
12	1.2 MI SSW-OFF OF OLD CAMDEN RD	5/15/2006	14.7	1.4

Dose: mR/std. qtr.

TLD	TLD Location Description	Sample Date	Dose	2 Sigma Error
12	1.2 MI SSW-OFF OF OLD CAMDEN RD	8/15/2006	14.2	2.3
12	1.2 MI SSW-OFF OF OLD CAMDEN RD	11/15/2006	14.6	1.1
13	0.7 MI W- CORNER OF SALUDA AND SAMPIT RDS	2/15/2006	13.5	1.4
13	0.7 MI W- CORNER OF SALUDA AND SAMPIT RDS	5/15/2006	12.3	1.2
13	0.7 MI W- CORNER OF SALUDA AND SAMPIT RDS	8/15/2006	13.1	2
13	0.7 MI W- CORNER OF SALUDA AND SAMPIT RDS	11/15/2006	11.9	1.2
14	0.8 MI WNW - FIRST BAPTIST CHURCH OF PINE RIDGE	2/15/2006	15.1	1.7
14	0.8 MI WNW - FIRST BAPTIST CHURCH OF PINE RIDGE	5/15/2006	14.9	0.9
14	0.8 MI WNW - FIRST BAPTIST CHURCH OF PINE RIDGE	8/15/2006	15.1	1.7
14	0.8 MI WNW - FIRST BAPTIST CHURCH OF PINE RIDGE	11/15/2006	13.9	1.5
15	0.7 MI NW - TRANSMISSION RIGHT-OF-WAY	5/15/2006	12.5	0.8
15	0.7 MI NW - TRANSMISSION RIGHT-OF-WAY	8/15/2006	11.7	1.9
15	0.7 MI NW - TRANSMISSION RIGHT-OF-WAY	11/15/2006	12.1	0.5
16	1.0 MI NNW - SOUTH SIDE OF DARLINGTON CO. IC TURBI	2/15/2006	12.7	1.4
16	1.0 MI NNW - SOUTH SIDE OF DARLINGTON CO. IC TURBI	5/15/2006	12.7	1
16	1.0 MI NNW - SOUTH SIDE OF DARLINGTON CO. IC TURBI	8/15/2006	13	2.1
16	1.0 MI NNW - SOUTH SIDE OF DARLINGTON CO. IC TURBI	11/15/2006	12.6	0.9
17	1.2 MI N - DARLINGTON CO. PLANT EMERGENCY FIRE PU	2/15/2006	14.1	1.5
17	1.2 MI N - DARLINGTON CO. PLANT EMERGENCY FIRE PU	5/15/2006	15.1	1.8
17	1.2 MI N - DARLINGTON CO. PLANT EMERGENCY FIRE PU	8/15/2006	15.2	2
17	1.2 MI N - DARLINGTON CO. PLANT EMERGENCY FIRE PU	11/15/2006	15.3	1.3
18	0.7 MI SE - NEAR OLD BLACK CREEK RR TRESTLE	2/15/2006	17.5	2
18	0.7 MI SE - NEAR OLD BLACK CREEK RR TRESTLE	5/15/2006	18.1	2.6
18	0.7 MI SE - NEAR OLD BLACK CREEK RR TRESTLE	8/15/2006	16.3	2.1

Dose: mR/std. qtr.

TLD	TLD Location Description	Sample Date	Dose	2 Sigma Error
18	0.7 MI SE - NEAR OLD BLACK CREEK RR TRESTLE	11/15/2006	15.2	2.2
19	1.0 MI E - OLD CAMDEN RD (#S-16-23)	2/15/2006	12.9	1.7
19	1.0 MI E - OLD CAMDEN RD (#S-16-23)	5/15/2006	12.8	2
19	1.0 MI E - OLD CAMDEN RD (#S-16-23)	8/15/2006	13.3	2
19	1.0 MI E - OLD CAMDEN RD (#S-16-23)	11/15/2006	12.4	1.3
20	1.0 MI ENE - NEW MARKET RD (#S-16-39)	2/15/2006	14.4	2.1
20	1.0 MI ENE - NEW MARKET RD (#S-16-39)	5/15/2006	13.3	1
20	1.0 MI ENE - NEW MARKET RD (#S-16-39)	8/15/2006	14.7	2.1
20	1.0 MI ENE - NEW MARKET RD (#S-16-39)	11/15/2006	12.6	1
21	1.4 MI NE - NEW MARKET RD (#S-16-39)	2/15/2006	13.9	1.4
21	1.4 MI NE - NEW MARKET RD (#S-16-39)	5/15/2006	11.5	0.9
21	1.4 MI NE - NEW MARKET RD (#S-16-39)	11/15/2006	11.4	1.4
22	1.7 MI NNE - SHADY REST ENTRANCE OFF OF CLOVERDA	2/15/2006	11.4	1.6
22	1.7 MI NNE - SHADY REST ENTRANCE OFF OF CLOVERDA	5/15/2006	11.8	1.2
22	1.7 MI NNE - SHADY REST ENTRANCE OFF OF CLOVERDA	8/15/2006	11.8	1.7
22	1.7 MI NNE - SHADY REST ENTRANCE OFF OF CLOVERDA	11/15/2006	11.8	0.7
23	1.0 MI ESE - NEW MARKET RD (#S-16-39)	2/15/2006	14.5	1.9
23	1.0 MI ESE - NEW MARKET RD (#S-16-39)	5/15/2006	15.7	1.1
23	1.0 MI ESE - NEW MARKET RD (#S-16-39)	8/15/2006	14.6	2.5
23	1.0 MI ESE - NEW MARKET RD (#S-16-39)	11/15/2006	15.3	0.7
24	4.6 MI NW - SOWELL RD (#S-13-711)	2/15/2006	15.8	1.7
24	4.6 MI NW - SOWELL RD (#S-13-711)	5/15/2006	16	1.5
24	4.6 MI NW - SOWELL RD (#S-13-711)	8/15/2006	16.2	2.2
24	4.6 MI NW - SOWELL RD (#S-13-711)	11/15/2006	16	1.4

Dose: mR/std. qtr.

TLD	TLD Location Description	Sample Date	Dose	2 Sigma Error
25	4.0 MI NNW - LAKE ROBINSON RD (#S-13-346)	2/15/2006	15.5	1.4
25	4.0 MI NNW - LAKE ROBINSON RD (#S-13-346)	5/15/2006	13.9	1.8
25	4.0 MI NNW - LAKE ROBINSON RD (#S-13-346)	8/15/2006	16.4	2
25	4.0 MI NNW - LAKE ROBINSON RD (#S-13-346)	11/15/2006	14	1.5
26	5.0 MI N - LAKE ROBINSON RD (#S-13-346)	2/15/2006	13.8	1.8
26	5.0 MI N - LAKE ROBINSON RD (#S-13-346)	8/15/2006	14	2
26	5.0 MI N - LAKE ROBINSON RD (#S-13-346)	11/15/2006	14.3	1.3
27	5.4 MI NNE - PROSPECT CHURCH RD (#S-13-763)	2/15/2006	11.9	1.6
27	5.4 MI NNE - PROSPECT CHURCH RD (#S-13-763)	5/15/2006	11.3	1.7
27	5.4 MI NNE - PROSPECT CHURCH RD (#S-13-763)	8/15/2006	11.8	2.2
27	5.4 MI NNE - PROSPECT CHURCH RD (#S-13-763)	11/15/2006	11.6	0.9
28	4.3 MI NE - NEW MARKET RD (#S-13-39)	2/15/2006	15.9	1.7
28	4.3 MI NE - NEW MARKET RD (#S-13-39)	5/15/2006	16.7	1.8
28	4.3 MI NE - NEW MARKET RD (#S-13-39)	8/15/2006	16.6	1.8
28	4.3 MI NE - NEW MARKET RD (#S-13-39)	11/15/2006	16.1	1.8
29	4.0 MI ENE - RUBY RD (#S-16-20)	2/15/2006	12.7	2.2
29	4.0 MI ENE - RUBY RD (#S-16-20)	5/15/2006	10.4	1
29	4.0 MI ENE - RUBY RD (#S-16-20)	8/15/2006	13	1.7
29	4.0 MI ENE - RUBY RD (#S-16-20)	11/15/2006	10.2	1.3
30	4.4 MI E - RUBY RD (#S-16-20)	2/15/2006	13.5	1.7
30	4.4 MI E - RUBY RD (#S-16-20)	5/15/2006	13.6	1.1
30	4.4 MI E - RUBY RD (#S-16-20)	8/15/2006	13.8	1.8
30	4.4 MI E - RUBY RD (#S-16-20)	11/15/2006	12.9	0.6
31	4.6 MI ESE - ON LAKESHORE DRIVE	2/15/2006	16.3	1.4

Dose: mR/std. qtr.

TLD	*TLD Location Description*	*Sample Date*	*Dose*	*2 Sigma Error*
31	4.6 MI ESE - ON LAKESHORE DRIVE	5/15/2006	13.9	0.8
31	4.6 MI ESE - ON LAKESHORE DRIVE	8/15/2006	16.2	1.8
31	4.6 MI ESE - ON LAKESHORE DRIVE	11/15/2006	13.7	1.5
32	4.0 MI SE - TRANSMISSION RIGHT-OF-WAY	2/15/2006	12.9	1.4
32	4.0 MI SE - TRANSMISSION RIGHT-OF-WAY	5/15/2006	12.7	2.2
32	4.0 MI SE - TRANSMISSION RIGHT-OF-WAY	8/15/2006	13	2.6
32	4.0 MI SE - TRANSMISSION RIGHT-OF-WAY	11/15/2006	12.8	1.7
33	4.5 MI SSE- ON BAY RD (#S-16-493)	2/15/2006	13.4	1.4
33	4.5 MI SSE- ON BAY RD (#S-16-493)	5/15/2006	14.2	1.2
33	4.5 MI SSE- ON BAY RD (#S-16-493)	8/15/2006	13.5	1.7
33	4.5 MI SSE- ON BAY RD (#S-16-493)	11/15/2006	14.1	1.5
34	4.7 MI S - ON KELLYBELL RD (#S-16-772)	2/15/2006	9.9	1.4
34	4.7 MI S - ON KELLYBELL RD (#S-16-772)	5/15/2006	9.7	0.9
34	4.7 MI S - ON KELLYBELL RD (#S-16-772)	8/15/2006	10.4	2
34	4.7 MI S - ON KELLYBELL RD (#S-16-772)	11/15/2006	9.6	1.5
35	4.5 MI SSW - KELLY BRIDGE RD (#S-31-51)	2/15/2006	19.6	1.6
35	4.5 MI SSW - KELLY BRIDGE RD (#S-31-51)	5/15/2006	21	1.8
35	4.5 MI SSW - KELLY BRIDGE RD (#S-31-51)	8/15/2006	20	2.1
35	4.5 MI SSW - KELLY BRIDGE RD (#S-31-51)	11/15/2006	19.7	1.2
36	5.0 MI SW - ON KINGSTON DRIVE	2/15/2006	17.9	1.8
36	5.0 MI SW - ON KINGSTON DRIVE	5/15/2006	18.9	2.1
36	5.0 MI SW - ON KINGSTON DRIVE	8/15/2006	18.4	1.9
36	5.0 MI SW - ON KINGSTON DRIVE	11/15/2006	18.8	2
37	5.0 MI WSW - PINE CONE RD	2/15/2006	20.6	2.2

Dose: mR/std. qtr.

TLD	TLD Location Description	Sample Date	Dose	2 Sigma Error
37	5.0 MI WSW - PINE CONE RD	5/15/2006	19.3	1.1
37	5.0 MI WSW - PINE CONE RD	8/15/2006	20.9	1.7
37	5.0 MI WSW - PINE CONE RD	11/15/2006	18.6	2
38	4.9 MI W - AT UNION CHURCH RD	2/15/2006	14.1	2.1
38	4.9 MI W - AT UNION CHURCH RD	5/15/2006	14.8	1
38	4.9 MI W - AT UNION CHURCH RD	8/15/2006	14.3	1.7
38	4.9 MI W - AT UNION CHURCH RD	11/15/2006	15.2	0.7
39	5.1 MI WNW - KING'S POND RD	2/15/2006	14.3	2.6
39	5.1 MI WNW - KING'S POND RD	5/15/2006	14.6	1.5
39	5.1 MI WNW - KING'S POND RD	8/15/2006	13.8	2.6
39	5.1 MI WNW - KING'S POND RD	11/15/2006	13.1	1.1
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/15/2006	14.1	1.8
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/15/2006	14.9	1.2
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/15/2006	14.6	1.7
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/15/2006	14.6	1.2
56	0.4 MI NNW - NORTH OF THE CENTER OF THE 7P-ISFSI	5/15/2006	14.4	1.2
56	0.4 MI NNW - NORTH OF THE CENTER OF THE 7P-ISFSI	8/15/2006	15.1	1.8
56	0.4 MI NNW - NORTH OF THE CENTER OF THE 7P-ISFSI	11/15/2006	14.3	1.1
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACKS	2/15/2006	18	1.8
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACKS	5/15/2006	17.9	1.6
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACKS	8/15/2006	17.9	1.7
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRACKS	11/15/2006	18.3	1.9
65	NORTHWEST OF THE 24P-ISFSI 0.30 WNW	2/15/2006	16.6	1.6
65	NORTHWEST OF THE 24P-ISFSI 0.30 WNW	5/15/2006	16.7	1.3

Dose: mR/std. qtr.

TLD	*TLD Location Description*	*Sample Date*	*Dose*	*2 Sigma Error*
65	NORTHWEST OF THE 24P-ISFSI 0.30 WNW	8/15/2006	16.8	2
65	NORTHWEST OF THE 24P-ISFSI 0.30 WNW	11/15/2006	18.1	0.7

2006 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	1/9/2006	437.1	3.88E-01	1.98E-02	2.47E-03	2.28E-03
1	24.4 MI ESE - FLORENCE - CONTROL	1/16/2006	609.2	3.88E-01	1.79E-02	1.89E-03	1.51E-03
1	24.4 MI ESE - FLORENCE - CONTROL	1/23/2006	619.7	3.88E-01	1.70E-02	1.85E-03	1.53E-03
1	24.4 MI ESE - FLORENCE - CONTROL	1/30/2006	603.1	3.88E-01	1.57E-02	1.83E-03	1.59E-03
1	24.4 MI ESE - FLORENCE - CONTROL	2/6/2006	635.5	3.88E-01	2.26E-02	2.04E-03	1.54E-03
1	24.4 MI ESE - FLORENCE - CONTROL	2/13/2006	621.5	3.88E-01	2.49E-02	2.11E-03	1.41E-03
1	24.4 MI ESE - FLORENCE - CONTROL	2/20/2006	626.1	3.88E-01	2.41E-02	2.11E-03	1.54E-03
1	24.4 MI ESE - FLORENCE - CONTROL	2/27/2006	616.8	3.88E-01	1.85E-02	1.87E-03	1.39E-03
1	24.4 MI ESE - FLORENCE - CONTROL	3/7/2006	662.9	3.88E-01	2.53E-02	2.08E-03	1.47E-03
1	24.4 MI ESE - FLORENCE - CONTROL	3/13/2006	475	3.88E-01	2.19E-02	2.41E-03	2.02E-03
1	24.4 MI ESE - FLORENCE - CONTROL	3/20/2006	540.1	3.88E-01	2.48E-02	2.31E-03	1.71E-03
1	24.4 MI ESE - FLORENCE - CONTROL	3/27/2006	546.6	3.88E-01	1.44E-02	1.87E-03	1.68E-03
1	24.4 MI ESE - FLORENCE - CONTROL	4/2/2006	477.4	3.88E-01	2.59E-02	2.50E-03	1.83E-03
1	24.4 MI ESE - FLORENCE - CONTROL	4/10/2006	622.3	3.88E-01	2.35E-02	2.09E-03	1.55E-03
1	24.4 MI ESE - FLORENCE - CONTROL	4/17/2006	555.5	3.88E-01	2.62E-02	2.32E-03	1.64E-03
1	24.4 MI ESE - FLORENCE - CONTROL	4/24/2006	566.7	3.88E-01	2.25E-02	2.16E-03	1.63E-03
1	24.4 MI ESE - FLORENCE - CONTROL	5/1/2006	543	3.88E-01	2.19E-02	2.23E-03	1.84E-03
1	24.4 MI ESE - FLORENCE - CONTROL	5/8/2006	690.4	3.88E-01	1.97E-02	1.77E-03	1.15E-03
1	24.4 MI ESE - FLORENCE - CONTROL	5/15/2006	678.4	3.88E-01	1.78E-02	1.73E-03	1.23E-03
1	24.4 MI ESE - FLORENCE - CONTROL	5/22/2006	688.8	3.88E-01	1.78E-02	1.70E-03	1.15E-03
1	24.4 MI ESE - FLORENCE - CONTROL	5/30/2006	702.1	3.88E-01	2.68E-02	2.05E-03	1.33E-03
1	24.4 MI ESE - FLORENCE - CONTROL	6/5/2006	527.9	3.88E-01	1.81E-02	2.11E-03	1.87E-03
1	24.4 MI ESE - FLORENCE - CONTROL	6/12/2006	207.4	3.88E-01	1.90E-02	4.06E-03	4.64E-03
1	24.4 MI ESE - FLORENCE - CONTROL	6/19/2006	601.9	3.88E-01	1.77E-02	1.85E-03	1.35E-03
1	24.4 MI ESE - FLORENCE - CONTROL	6/26/2006	616.1	3.88E-01	1.78E-02	1.85E-03	1.40E-03
1	24.4 MI ESE - FLORENCE - CONTROL	7/3/2006	613.9	3.88E-01	2.50E-02	2.10E-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*
1	24.4 MI ESE - FLORENCE - CONTROL	7/10/2006	617.7	3.88E-01	2.01E-02	1.93E-03	1.37E-03
1	24.4 MI ESE - FLORENCE - CONTROL	7/17/2006	612.8	3.88E-01	1.70E-02	1.84E-03	1.49E-03
1	24.4 MI ESE - FLORENCE - CONTROL	7/24/2006	621.8	3.88E-01	2.29E-02	2.07E-03	1.53E-03
1	24.4 MI ESE - FLORENCE - CONTROL	7/31/2006	613.5	3.88E-01	2.08E-02	1.97E-03	1.42E-03
1	24.4 MI ESE - FLORENCE - CONTROL	8/7/2006	605.2	3.88E-01	2.81E-02	2.26E-03	1.47E-03
1	24.4 MI ESE - FLORENCE - CONTROL	8/14/2006	633.5	3.88E-01	2.10E-02	1.93E-03	1.32E-03
1	24.4 MI ESE - FLORENCE - CONTROL	8/21/2006	615.3	3.88E-01	2.20E-02	2.01E-03	1.41E-03
1	24.4 MI ESE - FLORENCE - CONTROL	8/28/2006	609.8	3.88E-01	2.27E-02	2.00E-03	1.22E-03
1	24.4 MI ESE - FLORENCE - CONTROL	9/4/2006	612.6	3.88E-01	1.17E-02	1.56E-03	1.32E-03
1	24.4 MI ESE - FLORENCE - CONTROL	9/11/2006	616.9	3.88E-01	2.44E-02	2.14E-03	1.57E-03
1	24.4 MI ESE - FLORENCE - CONTROL	9/18/2006	614.8	3.88E-01	2.14E-02	2.01E-03	1.46E-03
1	24.4 MI ESE - FLORENCE - CONTROL	9/26/2006	702.1	3.88E-01	2.63E-02	2.01E-03	1.22E-03
1	24.4 MI ESE - FLORENCE - CONTROL	10/2/2006	527.4	3.88E-01	2.61E-02	2.37E-03	1.65E-03
1	24.4 MI ESE - FLORENCE - CONTROL	10/9/2006	610.9	3.88E-01	2.47E-02	2.15E-03	1.51E-03
1	24.4 MI ESE - FLORENCE - CONTROL	10/16/2006	593.8	3.88E-01	2.64E-02	2.22E-03	1.46E-03
1	24.4 MI ESE - FLORENCE - CONTROL	10/23/2006	617	3.88E-01	2.15E-02	2.02E-03	1.53E-03
1	24.4 MI ESE - FLORENCE - CONTROL	10/30/2006	593.3	3.88E-01	2.20E-02	2.07E-03	1.49E-03
1	24.4 MI ESE - FLORENCE - CONTROL	11/6/2006	602.9	3.88E-01	2.70E-02	2.22E-03	1.45E-03
1	24.4 MI ESE - FLORENCE - CONTROL	11/13/2006	599.1	3.88E-01	1.87E-02	1.95E-03	1.57E-03
1	24.4 MI ESE - FLORENCE - CONTROL	11/20/2006	596.5	3.88E-01	1.86E-02	1.98E-03	1.67E-03
1	24.4 MI ESE - FLORENCE - CONTROL	11/26/2006	503	3.88E-01	1.63E-02	2.04E-03	1.77E-03
1	24.4 MI ESE - FLORENCE - CONTROL	12/4/2006	697.6	3.88E-01	1.86E-02	1.76E-03	1.28E-03
1	24.4 MI ESE - FLORENCE - CONTROL	12/11/2006	586.8	3.88E-01	2.76E-02	2.30E-03	1.59E-03
1	24.4 MI ESE - FLORENCE - CONTROL	12/18/2006	609.2	3.88E-01	2.78E-02	2.22E-03	1.39E-03
1	24.4 MI ESE - FLORENCE - CONTROL	12/26/2006	675.2	3.88E-01	1.97E-02	1.80E-03	1.20E-03
2	0.2 MI S - INFORMATION CENTER	1/3/2006	625.7	3.88E-01	2.20E-02	2.01E-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
2	0.2 MI S - INFORMATION CENTER	1/9/2006	456.6	3.88E-01	2.56E-02	2.64E-03	2.18E-03
2	0.2 MI S - INFORMATION CENTER	1/16/2006	542.6	3.88E-01	1.90E-02	2.07E-03	1.69E-03
2	0.2 MI S - INFORMATION CENTER	1/30/2006	543	3.88E-01	1.51E-02	1.93E-03	1.77E-03
2	0.2 MI S - INFORMATION CENTER	2/6/2006	536.4	3.88E-01	2.27E-02	2.27E-03	1.83E-03
2	0.2 MI S - INFORMATION CENTER	2/13/2006	529.3	3.88E-01	2.56E-02	2.35E-03	1.66E-03
2	0.2 MI S - INFORMATION CENTER	2/20/2006	543.2	3.88E-01	2.31E-02	2.26E-03	1.77E-03
2	0.2 MI S - INFORMATION CENTER	2/27/2006	529.9	3.88E-01	2.09E-02	2.15E-03	1.62E-03
2	0.2 MI S - INFORMATION CENTER	3/7/2006	616.6	3.88E-01	2.71E-02	2.24E-03	1.58E-03
2	0.2 MI S - INFORMATION CENTER	3/13/2006	472	3.88E-01	2.50E-02	2.54E-03	2.04E-03
2	0.2 MI S - INFORMATION CENTER	3/20/2006	552.2	3.88E-01	2.63E-02	2.34E-03	1.67E-03
2	0.2 MI S - INFORMATION CENTER	3/27/2006	525.9	3.88E-01	1.55E-02	1.96E-03	1.75E-03
2	0.2 MI S - INFORMATION CENTER	4/2/2006	476.1	3.88E-01	2.47E-02	2.46E-03	1.83E-03
2	0.2 MI S - INFORMATION CENTER	4/10/2006	629.7	3.88E-01	2.36E-02	2.08E-03	1.53E-03
2	0.2 MI S - INFORMATION CENTER	4/17/2006	561.3	3.88E-01	2.34E-02	2.20E-03	1.62E-03
2	0.2 MI S - INFORMATION CENTER	4/24/2006	571.3	3.88E-01	2.14E-02	2.11E-03	1.62E-03
2	0.2 MI S - INFORMATION CENTER	5/1/2006	553.9	3.88E-01	2.33E-02	2.26E-03	1.80E-03
2	0.2 MI S - INFORMATION CENTER	5/8/2006	587.4	3.88E-01	2.28E-02	2.07E-03	1.35E-03
2	0.2 MI S - INFORMATION CENTER	5/15/2006	593.5	3.88E-01	1.77E-02	1.87E-03	1.40E-03
2	0.2 MI S - INFORMATION CENTER	5/22/2006	598.1	3.88E-01	2.00E-02	1.94E-03	1.33E-03
2	0.2 MI S - INFORMATION CENTER	5/30/2006	696.3	3.88E-01	2.99E-02	2.16E-03	1.35E-03
2	0.2 MI S - INFORMATION CENTER	6/5/2006	516.6	3.88E-01	2.03E-02	2.23E-03	1.91E-03
2	0.2 MI S - INFORMATION CENTER	6/12/2006	606.9	3.88E-01	2.23E-02	2.08E-03	1.58E-03
2	0.2 MI S - INFORMATION CENTER	6/19/2006	603	3.88E-01	1.79E-02	1.85E-03	1.34E-03
2	0.2 MI S - INFORMATION CENTER	6/26/2006	610.7	3.88E-01	2.00E-02	1.94E-03	1.42E-03
2	0.2 MI S - INFORMATION CENTER	7/3/2006	607.5	3.88E-01	2.36E-02	2.07E-03	1.34E-03
2	0.2 MI S - INFORMATION CENTER	7/10/2006	609	3.88E-01	2.20E-02	2.02E-03	1.39E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
2	0.2 MI S - INFORMATION CENTER	7/17/2006	611.1	3.88E-01	1.75E-02	1.87E-03	1.49E-03
2	0.2 MI S - INFORMATION CENTER	7/24/2006	613	3.88E-01	2.38E-02	2.12E-03	1.55E-03
2	0.2 MI S - INFORMATION CENTER	7/31/2006	689.6	3.88E-01	1.74E-02	1.71E-03	1.27E-03
2	0.2 MI S - INFORMATION CENTER	8/7/2006	465.5	3.88E-01	3.38E-02	2.85E-03	1.92E-03
2	0.2 MI S - INFORMATION CENTER	8/14/2006	626	3.88E-01	2.14E-02	1.96E-03	1.34E-03
2	0.2 MI S - INFORMATION CENTER	8/21/2006	628.6	3.88E-01	2.20E-02	1.99E-03	1.38E-03
2	0.2 MI S - INFORMATION CENTER	8/28/2006	627.1	3.88E-01	2.31E-02	1.98E-03	1.18E-03
2	0.2 MI S - INFORMATION CENTER	9/4/2006	625.6	3.88E-01	1.30E-02	1.59E-03	1.29E-03
2	0.2 MI S - INFORMATION CENTER	9/11/2006	627.7	3.88E-01	2.56E-02	2.16E-03	1.54E-03
2	0.2 MI S - INFORMATION CENTER	9/18/2006	621.5	3.88E-01	2.21E-02	2.02E-03	1.45E-03
2	0.2 MI S - INFORMATION CENTER	9/26/2006	714.8	3.88E-01	2.45E-02	1.93E-03	1.20E-03
2	0.2 MI S - INFORMATION CENTER	10/2/2006	539.5	3.88E-01	2.64E-02	2.35E-03	1.62E-03
2	0.2 MI S - INFORMATION CENTER	10/9/2006	620.2	3.88E-01	2.29E-02	2.06E-03	1.49E-03
2	0.2 MI S - INFORMATION CENTER	10/16/2006	598.6	3.88E-01	2.50E-02	2.16E-03	1.45E-03
2	0.2 MI S - INFORMATION CENTER	10/23/2006	618.5	3.88E-01	2.23E-02	2.05E-03	1.53E-03
2	0.2 MI S - INFORMATION CENTER	10/30/2006	604.4	3.88E-01	2.25E-02	2.06E-03	1.47E-03
2	0.2 MI S - INFORMATION CENTER	11/6/2006	606.9	3.88E-01	2.45E-02	2.12E-03	1.44E-03
2	0.2 MI S - INFORMATION CENTER	11/13/2006	605.4	3.88E-01	1.57E-02	1.82E-03	1.56E-03
2	0.2 MI S - INFORMATION CENTER	11/20/2006	602.4	3.88E-01	1.84E-02	1.96E-03	1.66E-03
2	0.2 MI S - INFORMATION CENTER	11/26/2006	509.2	3.88E-01	1.80E-02	2.10E-03	1.75E-03
2	0.2 MI S - INFORMATION CENTER	12/4/2006	694.4	3.88E-01	2.00E-02	1.81E-03	1.28E-03
2	0.2 MI S - INFORMATION CENTER	12/11/2006	584.2	3.88E-01	3.00E-02	2.39E-03	1.59E-03
2	0.2 MI S - INFORMATION CENTER	12/18/2006	607	3.88E-01	2.92E-02	2.28E-03	1.39E-03
2	0.2 MI S - INFORMATION CENTER	12/26/2006	688.8	3.88E-01	2.14E-02	1.84E-03	1.18E-03
3	0.5 MI N - MICROWAVE TOWER	1/3/2006	578.3	3.88E-01	2.00E-02	2.03E-03	1.55E-03
3	0.5 MI N - MICROWAVE TOWER	1/9/2006	430	3.88E-01	2.48E-02	2.71E-03	2.32E-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	1/16/2006	503.3	3.88E-01	1.71E-02	2.09E-03	1.82E-03
3	0.5 MI N - MICROWAVE TOWER	1/23/2006	502	3.88E-01	1.72E-02	2.12E-03	1.89E-03
3	0.5 MI N - MICROWAVE TOWER	1/30/2006	505	3.88E-01	1.56E-02	2.05E-03	1.90E-03
3	0.5 MI N - MICROWAVE TOWER	2/6/2006	500.5	3.88E-01	2.31E-02	2.39E-03	1.96E-03
3	0.5 MI N - MICROWAVE TOWER	2/13/2006	500.7	3.88E-01	2.25E-02	2.30E-03	1.76E-03
3	0.5 MI N - MICROWAVE TOWER	2/20/2006	505.4	3.88E-01	2.62E-02	2.48E-03	1.90E-03
3	0.5 MI N - MICROWAVE TOWER	2/27/2006	497.9	3.88E-01	2.05E-02	2.22E-03	1.72E-03
3	0.5 MI N - MICROWAVE TOWER	3/7/2006	669.7	3.88E-01	2.54E-02	2.07E-03	1.45E-03
3	0.5 MI N - MICROWAVE TOWER	3/13/2006	606.5	3.88E-01	2.23E-02	2.08E-03	1.59E-03
3	0.5 MI N - MICROWAVE TOWER	3/20/2006	579.4	3.88E-01	3.00E-02	2.40E-03	1.60E-03
3	0.5 MI N - MICROWAVE TOWER	3/27/2006	608.2	3.88E-01	1.60E-02	1.81E-03	1.51E-03
3	0.5 MI N - MICROWAVE TOWER	4/2/2006	544	3.88E-01	2.36E-02	2.23E-03	1.60E-03
3	0.5 MI N - MICROWAVE TOWER	4/10/2006	698.2	3.88E-01	2.28E-02	1.93E-03	1.38E-03
3	0.5 MI N - MICROWAVE TOWER	4/17/2006	628	3.88E-01	2.47E-02	2.10E-03	1.45E-03
3	0.5 MI N - MICROWAVE TOWER	4/24/2006	636	3.88E-01	1.91E-02	1.89E-03	1.45E-03
3	0.5 MI N - MICROWAVE TOWER	5/1/2006	620.4	3.88E-01	2.27E-02	2.09E-03	1.61E-03
3	0.5 MI N - MICROWAVE TOWER	5/8/2006	684.8	3.88E-01	2.08E-02	1.82E-03	1.16E-03
3	0.5 MI N - MICROWAVE TOWER	5/15/2006	639	3.88E-01	1.80E-02	1.80E-03	1.30E-03
3	0.5 MI N - MICROWAVE TOWER	5/22/2006	644.4	3.88E-01	1.84E-02	1.79E-03	1.23E-03
3	0.5 MI N - MICROWAVE TOWER	5/30/2006	729.6	3.88E-01	2.64E-02	1.99E-03	1.28E-03
3	0.5 MI N - MICROWAVE TOWER	6/5/2006	543.8	3.88E-01	1.82E-02	2.08E-03	1.81E-03
3	0.5 MI N - MICROWAVE TOWER	6/12/2006	636.9	3.88E-01	2.04E-02	1.95E-03	1.51E-03
3	0.5 MI N - MICROWAVE TOWER	6/19/2006	645.1	3.88E-01	1.73E-02	1.75E-03	1.26E-03
3	0.5 MI N - MICROWAVE TOWER	6/26/2006	627.1	3.88E-01	1.84E-02	1.85E-03	1.38E-03
3	0.5 MI N - MICROWAVE TOWER	7/3/2006	632.9	3.88E-01	2.64E-02	2.12E-03	1.29E-03
3	0.5 MI N - MICROWAVE TOWER	7/10/2006	638.4	3.88E-01	2.07E-02	1.91E-03	1.32E-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	7/17/2006	634.1	3.88E-01	1.64E-02	1.78E-03	1.44E-03
3	0.5 MI N - MICROWAVE TOWER	7/24/2006	644.1	3.88E-01	2.17E-02	1.98E-03	1.47E-03
3	0.5 MI N - MICROWAVE TOWER	7/31/2006	641.9	3.88E-01	2.00E-02	1.89E-03	1.36E-03
3	0.5 MI N - MICROWAVE TOWER	8/7/2006	583.4	3.88E-01	2.96E-02	2.36E-03	1.53E-03
3	0.5 MI N - MICROWAVE TOWER	8/14/2006	559.2	3.88E-01	2.37E-02	2.18E-03	1.50E-03
3	0.5 MI N - MICROWAVE TOWER	8/21/2006	566.5	3.88E-01	2.25E-02	2.13E-03	1.53E-03
3	0.5 MI N - MICROWAVE TOWER	8/28/2006	565.1	3.88E-01	2.34E-02	2.12E-03	1.31E-03
3	0.5 MI N - MICROWAVE TOWER	9/4/2006	565	3.88E-01	1.29E-02	1.70E-03	1.43E-03
3	0.5 MI N - MICROWAVE TOWER	9/11/2006	568.4	3.88E-01	2.47E-02	2.26E-03	1.70E-03
3	0.5 MI N - MICROWAVE TOWER	9/18/2006	560.2	3.88E-01	2.30E-02	2.18E-03	1.60E-03
3	0.5 MI N - MICROWAVE TOWER	9/26/2006	643.9	3.88E-01	2.26E-02	1.98E-03	1.33E-03
3	0.5 MI N - MICROWAVE TOWER	10/2/2006	473	3.88E-01	2.31E-02	2.40E-03	1.84E-03
3	0.5 MI N - MICROWAVE TOWER	10/9/2006	575	3.88E-01	2.31E-02	2.16E-03	1.61E-03
3	0.5 MI N - MICROWAVE TOWER	10/16/2006	544.8	3.88E-01	2.60E-02	2.32E-03	1.59E-03
3	0.5 MI N - MICROWAVE TOWER	10/23/2006	548.8	3.88E-01	2.26E-02	2.21E-03	1.72E-03
3	0.5 MI N - MICROWAVE TOWER	10/30/2006	556.8	3.88E-01	2.44E-02	2.24E-03	1.59E-03
3	0.5 MI N - MICROWAVE TOWER	11/6/2006	546.6	3.88E-01	2.37E-02	2.23E-03	1.60E-03
3	0.5 MI N - MICROWAVE TOWER	11/13/2006	544.7	3.88E-01	1.60E-02	1.96E-03	1.73E-03
3	0.5 MI N - MICROWAVE TOWER	11/20/2006	547.8	3.88E-01	1.78E-02	2.06E-03	1.82E-03
3	0.5 MI N - MICROWAVE TOWER	11/26/2006	458.1	3.88E-01	1.61E-02	2.16E-03	1.95E-03
3	0.5 MI N - MICROWAVE TOWER	12/4/2006	637.3	3.88E-01	2.07E-02	1.93E-03	1.40E-03
3	0.5 MI N - MICROWAVE TOWER	12/11/2006	520.9	3.88E-01	2.48E-02	2.37E-03	1.79E-03
3	0.5 MI N - MICROWAVE TOWER	12/18/2006	544	3.88E-01	2.79E-02	2.38E-03	1.55E-03
3	0.5 MI N - MICROWAVE TOWER	12/26/2006	615.8	3.88E-01	2.21E-02	1.99E-03	1.31E-03
4	0.4 MI ESE - SPILLWAY	1/3/2006	602.4	3.88E-01	2.20E-02	2.05E-03	1.49E-03
4	0.4 MI ESE - SPILLWAY	1/9/2006	443.3	3.88E-01	2.54E-02	2.68E-03	2.25E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
4	0.4 MI ESE - SPILLWAY	1/16/2006	523.7	3.88E-01	1.93E-02	2.14E-03	1.75E-03
4	0.4 MI ESE - SPILLWAY	1/23/2006	520	3.88E-01	1.71E-02	2.07E-03	1.83E-03
4	0.4 MI ESE - SPILLWAY	1/30/2006	521.1	3.88E-01	1.43E-02	1.95E-03	1.85E-03
4	0.4 MI ESE - SPILLWAY	2/6/2006	514.5	3.88E-01	2.26E-02	2.33E-03	1.90E-03
4	0.4 MI ESE - SPILLWAY	2/13/2006	511.3	3.88E-01	2.38E-02	2.32E-03	1.72E-03
4	0.4 MI ESE - SPILLWAY	2/20/2006	520.3	3.88E-01	2.35E-02	2.33E-03	1.85E-03
4	0.4 MI ESE - SPILLWAY	2/27/2006	519.8	3.88E-01	2.04E-02	2.16E-03	1.65E-03
4	0.4 MI ESE - SPILLWAY	3/7/2006	577.8	3.88E-01	2.77E-02	2.35E-03	1.69E-03
4	0.4 MI ESE - SPILLWAY	3/13/2006	447.5	3.88E-01	2.30E-02	2.55E-03	2.15E-03
4	0.4 MI ESE - SPILLWAY	3/20/2006	510.9	3.88E-01	2.55E-02	2.42E-03	1.81E-03
4	0.4 MI ESE - SPILLWAY	3/27/2006	581	3.88E-01	1.28E-02	1.72E-03	1.58E-03
4	0.4 MI ESE - SPILLWAY	4/2/2006	508.4	3.88E-01	2.41E-02	2.34E-03	1.72E-03
4	0.4 MI ESE - SPILLWAY	4/10/2006	673.8	3.88E-01	2.20E-02	1.94E-03	1.43E-03
4	0.4 MI ESE - SPILLWAY	4/17/2006	593.3	3.88E-01	2.37E-02	2.14E-03	1.54E-03
4	0.4 MI ESE - SPILLWAY	4/24/2006	605.8	3.88E-01	2.14E-02	2.03E-03	1.53E-03
4	0.4 MI ESE - SPILLWAY	5/1/2006	574.3	3.88E-01	2.22E-02	2.17E-03	1.74E-03
4	0.4 MI ESE - SPILLWAY	5/8/2006	736.6	3.88E-01	1.95E-02	1.70E-03	1.08E-03
4	0.4 MI ESE - SPILLWAY	5/15/2006	732.9	3.88E-01	1.45E-02	1.52E-03	1.13E-03
4	0.4 MI ESE - SPILLWAY	5/22/2006	734.9	3.88E-01	1.61E-02	1.57E-03	1.08E-03
4	0.4 MI ESE - SPILLWAY	5/30/2006	708.3	3.88E-01	2.62E-02	2.02E-03	1.32E-03
4	0.4 MI ESE - SPILLWAY	6/5/2006	532	3.88E-01	1.87E-02	2.13E-03	1.85E-03
4	0.4 MI ESE - SPILLWAY	6/12/2006	624.7	3.88E-01	2.12E-02	2.01E-03	1.54E-03
4	0.4 MI ESE - SPILLWAY	6/19/2006	614.3	3.88E-01	1.82E-02	1.84E-03	1.32E-03
4	0.4 MI ESE - SPILLWAY	6/26/2006	621.3	3.88E-01	1.77E-02	1.83E-03	1.39E-03
4	0.4 MI ESE - SPILLWAY	7/3/2006	615.8	3.88E-01	2.58E-02	2.13E-03	1.33E-03
4	0.4 MI ESE - SPILLWAY	7/10/2006	616.9	3.88E-01	1.92E-02	1.89E-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	7/17/2006	616.4	3.88E-01	1.66E-02	1.82E-03	1.48E-03
4	0.4 MI ESE - SPILLWAY	7/24/2006	622.4	3.88E-01	2.16E-02	2.02E-03	1.53E-03
4	0.4 MI ESE - SPILLWAY	7/31/2006	614.9	3.88E-01	1.84E-02	1.88E-03	1.42E-03
4	0.4 MI ESE - SPILLWAY	8/7/2006	583.3	3.88E-01	2.77E-02	2.30E-03	1.53E-03
4	0.4 MI ESE - SPILLWAY	8/14/2006	575.9	3.88E-01	2.03E-02	2.01E-03	1.46E-03
4	0.4 MI ESE - SPILLWAY	8/21/2006	575	3.88E-01	2.26E-02	2.12E-03	1.51E-03
4	0.4 MI ESE - SPILLWAY	8/28/2006	573.1	3.88E-01	2.43E-02	2.13E-03	1.29E-03
4	0.4 MI ESE - SPILLWAY	9/4/2006	570.9	3.88E-01	1.18E-02	1.63E-03	1.42E-03
4	0.4 MI ESE - SPILLWAY	9/11/2006	571.7	3.88E-01	2.89E-02	2.40E-03	1.69E-03
4	0.4 MI ESE - SPILLWAY	9/18/2006	563	3.88E-01	2.15E-02	2.12E-03	1.60E-03
4	0.4 MI ESE - SPILLWAY	9/26/2006	647.2	3.88E-01	2.34E-02	2.00E-03	1.33E-03
4	0.4 MI ESE - SPILLWAY	10/2/2006	498.2	3.88E-01	2.67E-02	2.47E-03	1.75E-03
4	0.4 MI ESE - SPILLWAY	10/9/2006	553.4	3.88E-01	2.30E-02	2.21E-03	1.67E-03
4	0.4 MI ESE - SPILLWAY	10/16/2006	540	3.88E-01	2.59E-02	2.33E-03	1.60E-03
4	0.4 MI ESE - SPILLWAY	10/23/2006	562.7	3.88E-01	2.22E-02	2.17E-03	1.68E-03
4	0.4 MI ESE - SPILLWAY	10/30/2006	542.2	3.88E-01	2.47E-02	2.28E-03	1.63E-03
4	0.4 MI ESE - SPILLWAY	11/6/2006	548.8	3.88E-01	2.37E-02	2.22E-03	1.59E-03
4	0.4 MI ESE - SPILLWAY	11/13/2006	541.4	3.88E-01	1.56E-02	1.95E-03	1.74E-03
4	0.4 MI ESE - SPILLWAY	11/20/2006	542	3.88E-01	1.71E-02	2.05E-03	1.84E-03
4	0.4 MI ESE - SPILLWAY	11/26/2006	445.1	3.88E-01	1.71E-02	2.25E-03	2.00E-03
4	0.4 MI ESE - SPILLWAY	12/4/2006	599.9	3.88E-01	2.09E-02	2.01E-03	1.49E-03
4	0.4 MI ESE - SPILLWAY	12/11/2006	505.6	3.88E-01	2.81E-02	2.53E-03	1.84E-03
4	0.4 MI ESE - SPILLWAY	12/18/2006	522.4	3.88E-01	3.00E-02	2.51E-03	1.62E-03
4	0.4 MI ESE - SPILLWAY	12/26/2006	593.7	3.88E-01	2.23E-02	2.04E-03	1.36E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	1/3/2006	612.8	3.88E-01	2.07E-02	1.98E-03	1.47E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	1/9/2006	452.5	3.88E-01	2.27E-02	2.54E-03	2.20E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	1/16/2006	533.8	3.88E-01	1.83E-02	2.07E-03	1.72E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	1/23/2006	528.9	3.88E-01	1.73E-02	2.06E-03	1.80E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	1/30/2006	532.4	3.88E-01	1.46E-02	1.93E-03	1.81E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	2/6/2006	528.3	3.88E-01	2.06E-02	2.21E-03	1.85E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	2/13/2006	524.9	3.88E-01	2.20E-02	2.22E-03	1.67E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	2/20/2006	531.8	3.88E-01	2.34E-02	2.30E-03	1.81E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	2/27/2006	521.8	3.88E-01	1.91E-02	2.10E-03	1.65E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	3/7/2006	617.3	3.88E-01	2.43E-02	2.14E-03	1.58E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	3/13/2006	475.2	3.88E-01	2.21E-02	2.42E-03	2.02E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	3/20/2006	538.1	3.88E-01	2.46E-02	2.31E-03	1.72E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	3/27/2006	596.2	3.88E-01	1.30E-02	1.70E-03	1.54E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	4/2/2006	530.8	3.88E-01	1.97E-02	2.11E-03	1.64E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	4/10/2006	680.4	3.88E-01	2.20E-02	1.94E-03	1.41E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	4/17/2006	611.7	3.88E-01	2.24E-02	2.05E-03	1.49E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	4/24/2006	619.3	3.88E-01	1.78E-02	1.87E-03	1.49E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	5/1/2006	586.5	3.88E-01	2.14E-02	2.11E-03	1.70E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	5/8/2006	638.5	3.88E-01	2.09E-02	1.90E-03	1.25E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	5/15/2006	522.3	3.88E-01	1.99E-02	2.12E-03	1.59E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	5/22/2006	631.8	3.88E-01	1.83E-02	1.81E-03	1.26E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	5/30/2006	768.1	3.88E-01	2.55E-02	1.91E-03	1.22E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	6/5/2006	572	3.88E-01	1.95E-02	2.06E-03	1.72E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	6/12/2006	671.3	3.88E-01	2.20E-02	1.95E-03	1.43E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	6/19/2006	669.6	3.88E-01	1.79E-02	1.74E-03	1.21E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	6/26/2006	672.5	3.88E-01	1.73E-02	1.73E-03	1.29E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	7/3/2006	670.5	3.88E-01	2.46E-02	1.99E-03	1.22E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	7/10/2006	674.3	3.88E-01	1.89E-02	1.78E-03	1.25E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	7/17/2006	671	3.88E-01	1.81E-02	1.78E-03	1.36E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	7/24/2006	678.5	3.88E-01	2.17E-02	1.92E-03	1.40E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	7/31/2006	667.3	3.88E-01	1.99E-02	1.85E-03	1.31E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	8/7/2006	692.6	3.88E-01	2.60E-02	2.02E-03	1.29E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	8/14/2006	659.2	3.88E-01	1.93E-02	1.82E-03	1.27E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	8/21/2006	665.6	3.88E-01	2.13E-02	1.90E-03	1.30E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	8/28/2006	664.5	3.88E-01	2.03E-02	1.82E-03	1.12E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	9/4/2006	664.7	3.88E-01	1.09E-02	1.44E-03	1.22E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	9/11/2006	672.6	3.88E-01	2.26E-02	1.97E-03	1.44E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	9/18/2006	668.1	3.88E-01	1.99E-02	1.85E-03	1.35E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	9/26/2006	762.5	3.88E-01	2.31E-02	1.81E-03	1.13E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	10/2/2006	557	3.88E-01	2.42E-02	2.22E-03	1.57E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	10/9/2006	685	3.88E-01	2.13E-02	1.88E-03	1.35E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	10/16/2006	650	3.88E-01	2.32E-02	1.99E-03	1.33E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	10/23/2006	670.3	3.88E-01	2.12E-02	1.92E-03	1.41E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	10/30/2006	659.6	3.88E-01	2.22E-02	1.95E-03	1.34E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	11/6/2006	665.1	3.88E-01	2.38E-02	1.99E-03	1.31E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	11/13/2006	663.2	3.88E-01	1.44E-02	1.66E-03	1.42E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	11/20/2006	667.8	3.88E-01	1.64E-02	1.76E-03	1.49E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	11/26/2006	558.4	3.88E-01	1.46E-02	1.84E-03	1.60E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	12/4/2006	764.3	3.88E-01	1.89E-02	1.67E-03	1.17E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	12/11/2006	647	3.88E-01	2.44E-02	2.07E-03	1.44E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	12/18/2006	669.2	3.88E-01	2.74E-02	2.10E-03	1.26E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	12/26/2006	760	3.88E-01	2.04E-02	1.71E-03	1.07E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/3/2006	580.7	3.88E-01	2.26E-02	2.12E-03	1.55E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/9/2006	430	3.88E-01	2.63E-02	2.77E-03	2.32E-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	1/16/2006	503.4	3.88E-01	1.92E-02	2.18E-03	1.82E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/23/2006	507.2	3.88E-01	1.85E-02	2.16E-03	1.87E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/30/2006	510.3	3.88E-01	1.56E-02	2.03E-03	1.88E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/6/2006	502.5	3.88E-01	2.35E-02	2.40E-03	1.95E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/13/2006	509.5	3.88E-01	2.59E-02	2.41E-03	1.73E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/20/2006	513.8	3.88E-01	2.56E-02	2.43E-03	1.87E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/27/2006	499.6	3.88E-01	2.04E-02	2.21E-03	1.72E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/7/2006	580.1	3.88E-01	2.75E-02	2.33E-03	1.68E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/13/2006	440.2	3.88E-01	2.65E-02	2.71E-03	2.18E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/20/2006	505.9	3.88E-01	2.91E-02	2.57E-03	1.83E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/27/2006	515	3.88E-01	1.64E-02	2.03E-03	1.78E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	4/2/2006	455.6	3.88E-01	2.41E-02	2.50E-03	1.91E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	4/10/2006	600.2	3.88E-01	2.39E-02	2.15E-03	1.60E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	4/17/2006	524.4	3.88E-01	2.48E-02	2.34E-03	1.74E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	4/24/2006	535.2	3.88E-01	2.25E-02	2.24E-03	1.73E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/1/2006	516.1	3.88E-01	2.50E-02	2.42E-03	1.93E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/8/2006	581.5	3.88E-01	2.09E-02	2.01E-03	1.37E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/15/2006	583.9	3.88E-01	1.92E-02	1.95E-03	1.42E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/22/2006	582.5	3.88E-01	1.95E-02	1.95E-03	1.36E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/30/2006	662.9	3.88E-01	2.80E-02	2.16E-03	1.41E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/5/2006	492.2	3.88E-01	2.10E-02	2.33E-03	2.00E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/12/2006	578.5	3.88E-01	2.24E-02	2.15E-03	1.66E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/19/2006	571.8	3.88E-01	1.88E-02	1.95E-03	1.42E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/26/2006	571.9	3.88E-01	1.90E-02	1.98E-03	1.51E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/3/2006	562.7	3.88E-01	2.85E-02	2.34E-03	1.45E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/10/2006	571.8	3.88E-01	2.16E-02	2.08E-03	1.48E-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	7/17/2006	567.1	3.88E-01	1.90E-02	2.02E-03	1.61E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/24/2006	569.4	3.88E-01	2.50E-02	2.26E-03	1.67E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/31/2006	572.4	3.88E-01	1.97E-02	2.01E-03	1.52E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/7/2006	568.3	3.88E-01	3.12E-02	2.45E-03	1.57E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/14/2006	573.7	3.88E-01	2.19E-02	2.08E-03	1.46E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/21/2006	559.3	3.88E-01	2.46E-02	2.23E-03	1.55E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/28/2006	577.7	3.88E-01	2.38E-02	2.11E-03	1.28E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	9/4/2006	568.6	3.88E-01	1.29E-02	1.69E-03	1.42E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	9/11/2006	569.8	3.88E-01	2.63E-02	2.31E-03	1.70E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	9/18/2006	570.8	3.88E-01	2.21E-02	2.12E-03	1.57E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	9/26/2006	653.2	3.88E-01	2.30E-02	1.98E-03	1.31E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/2/2006	497	3.88E-01	2.77E-02	2.51E-03	1.76E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/9/2006	577.6	3.88E-01	2.55E-02	2.25E-03	1.60E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/16/2006	559.6	3.88E-01	2.49E-02	2.24E-03	1.55E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/23/2006	573.1	3.88E-01	2.17E-02	2.13E-03	1.65E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/30/2006	572.5	3.88E-01	2.45E-02	2.21E-03	1.55E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/6/2006	573.5	3.88E-01	2.53E-02	2.23E-03	1.52E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/13/2006	566.5	3.88E-01	1.81E-02	2.00E-03	1.67E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/20/2006	567.9	3.88E-01	1.82E-02	2.03E-03	1.76E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/26/2006	493.7	3.88E-01	1.70E-02	2.10E-03	1.81E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/4/2006	650.3	3.88E-01	2.09E-02	1.92E-03	1.37E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/11/2006	567.2	3.88E-01	2.92E-02	2.40E-03	1.64E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/18/2006	570.6	3.88E-01	2.92E-02	2.36E-03	1.48E-03
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/26/2006	648.2	3.88E-01	2.30E-02	1.97E-03	1.25E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	1/3/2006	551.6	3.88E-01	2.33E-02	2.21E-03	1.63E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	1/9/2006	407.2	3.88E-01	2.55E-02	2.83E-03	2.45E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		Sample Date	Quantity	Efficiency	Activity	2 Sigma Error	LLD
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	1/16/2006	475.6	3.88E-01	2.00E-02	2.30E-03	1.93E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	1/23/2006	526.3	3.88E-01	2.00E-02	2.17E-03	1.80E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	1/30/2006	552	3.88E-01	1.65E-02	1.97E-03	1.74E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/6/2006	535.1	3.88E-01	2.15E-02	2.23E-03	1.83E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/13/2006	530.6	3.88E-01	2.64E-02	2.37E-03	1.66E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/20/2006	529.3	3.88E-01	2.50E-02	2.37E-03	1.82E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/27/2006	527.1	3.88E-01	2.18E-02	2.19E-03	1.63E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	3/7/2006	604.6	3.88E-01	2.90E-02	2.32E-03	1.61E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	3/13/2006	464	3.88E-01	2.21E-02	2.45E-03	2.07E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	3/20/2006	561.4	3.88E-01	2.57E-02	2.29E-03	1.65E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	3/27/2006	575.7	3.88E-01	1.68E-02	1.91E-03	1.59E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	4/2/2006	499.2	3.88E-01	2.27E-02	2.31E-03	1.75E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	4/10/2006	646.6	3.88E-01	2.22E-02	2.00E-03	1.49E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	4/17/2006	584.8	3.88E-01	2.45E-02	2.19E-03	1.56E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	4/24/2006	580.8	3.88E-01	2.25E-02	2.13E-03	1.59E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/1/2006	545	3.88E-01	2.53E-02	2.36E-03	1.83E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/8/2006	595.4	3.88E-01	2.34E-02	2.08E-03	1.34E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/15/2006	582.4	3.88E-01	1.73E-02	1.88E-03	1.43E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/22/2006	593.1	3.88E-01	1.90E-02	1.91E-03	1.34E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/30/2006	676.4	3.88E-01	2.65E-02	2.09E-03	1.39E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	6/5/2006	512.4	3.88E-01	2.03E-02	2.25E-03	1.92E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	6/12/2006	611.6	3.88E-01	2.23E-02	2.07E-03	1.57E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	6/19/2006	577.6	3.88E-01	1.93E-02	1.96E-03	1.40E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	6/26/2006	597.9	3.88E-01	1.71E-02	1.85E-03	1.45E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	7/3/2006	597.8	3.88E-01	2.47E-02	2.13E-03	1.37E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	7/10/2006	600.1	3.88E-01	2.00E-02	1.96E-03	1.41E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	7/17/2006	584.2	3.88E-01	1.96E-02	2.00E-03	1.56E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	7/24/2006	594.4	3.88E-01	2.51E-02	2.20E-03	1.60E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	7/31/2006	593.4	3.88E-01	1.98E-02	1.98E-03	1.47E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	8/7/2006	585.7	3.88E-01	3.18E-02	2.43E-03	1.52E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	8/14/2006	596.9	3.88E-01	2.32E-02	2.08E-03	1.40E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	8/21/2006	576.1	3.88E-01	2.43E-02	2.18E-03	1.50E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	8/28/2006	594.1	3.88E-01	2.43E-02	2.09E-03	1.25E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	9/4/2006	585.2	3.88E-01	1.26E-02	1.65E-03	1.38E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	9/11/2006	594.2	3.88E-01	2.82E-02	2.32E-03	1.63E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	9/18/2006	585.8	3.88E-01	2.07E-02	2.04E-03	1.53E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	9/26/2006	669.3	3.88E-01	2.31E-02	1.95E-03	1.28E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	10/2/2006	509.7	3.88E-01	2.50E-02	2.37E-03	1.71E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	10/9/2006	584	3.88E-01	2.23E-02	2.11E-03	1.58E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	10/16/2006	563.8	3.88E-01	2.67E-02	2.30E-03	1.54E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	10/23/2006	586.1	3.88E-01	2.30E-02	2.15E-03	1.61E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	10/30/2006	568.4	3.88E-01	2.55E-02	2.25E-03	1.56E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/6/2006	577	3.88E-01	2.74E-02	2.29E-03	1.51E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/13/2006	581	3.88E-01	1.69E-02	1.91E-03	1.62E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/20/2006	563.1	3.88E-01	1.82E-02	2.04E-03	1.77E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/26/2006	482.9	3.88E-01	1.54E-02	2.06E-03	1.85E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	12/4/2006	654.9	3.88E-01	1.99E-02	1.87E-03	1.36E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	12/11/2006	564.9	3.88E-01	3.00E-02	2.43E-03	1.65E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	12/18/2006	583.7	3.88E-01	3.07E-02	2.38E-03	1.45E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	12/26/2006	645.9	3.88E-01	2.22E-02	1.94E-03	1.25E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/3/2006	621.2	3.88E-01	2.21E-02	2.02E-03	1.45E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/9/2006	461.2	3.88E-01	2.44E-02	2.58E-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
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/16/2006	537.6	3.88E-01	2.02E-02	2.14E-03	1.71E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/23/2006	539	3.88E-01	1.56E-02	1.96E-03	1.76E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/30/2006	541.5	3.88E-01	1.45E-02	1.91E-03	1.78E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/6/2006	532.9	3.88E-01	2.26E-02	2.28E-03	1.84E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/13/2006	540.5	3.88E-01	2.29E-02	2.21E-03	1.63E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/20/2006	543.8	3.88E-01	2.05E-02	2.16E-03	1.77E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/27/2006	528.8	3.88E-01	2.26E-02	2.22E-03	1.62E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/7/2006	611.9	3.88E-01	2.57E-02	2.20E-03	1.59E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/13/2006	474.4	3.88E-01	2.42E-02	2.50E-03	2.03E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/20/2006	542.2	3.88E-01	2.54E-02	2.33E-03	1.71E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/27/2006	602	3.88E-01	1.48E-02	1.77E-03	1.53E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/2/2006	512.7	3.88E-01	2.33E-02	2.30E-03	1.70E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/10/2006	679	3.88E-01	2.34E-02	1.98E-03	1.42E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/17/2006	591.8	3.88E-01	2.55E-02	2.21E-03	1.54E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/24/2006	605.1	3.88E-01	1.88E-02	1.94E-03	1.53E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/1/2006	575.1	3.88E-01	2.34E-02	2.21E-03	1.73E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/8/2006	575.2	3.88E-01	2.26E-02	2.09E-03	1.38E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/15/2006	563.1	3.88E-01	1.86E-02	1.97E-03	1.48E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/22/2006	566.8	3.88E-01	2.20E-02	2.08E-03	1.40E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/30/2006	648.1	3.88E-01	2.96E-02	2.24E-03	1.45E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/5/2006	481	3.88E-01	2.28E-02	2.44E-03	2.05E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/12/2006	566.8	3.88E-01	2.48E-02	2.26E-03	1.70E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/19/2006	595	3.88E-01	1.76E-02	1.85E-03	1.36E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/26/2006	531	3.88E-01	2.08E-02	2.15E-03	1.63E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/3/2006	557.8	3.88E-01	2.82E-02	2.34E-03	1.46E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/10/2006	566.6	3.88E-01	2.19E-02	2.10E-03	1.49E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/17/2006	560.4	3.88E-01	1.89E-02	2.02E-03	1.63E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/24/2006	565.7	3.88E-01	2.65E-02	2.32E-03	1.68E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/31/2006	561.2	3.88E-01	2.27E-02	2.16E-03	1.55E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/7/2006	580.5	3.88E-01	3.04E-02	2.39E-03	1.54E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/14/2006	347.6	3.88E-01	2.72E-02	3.07E-03	2.41E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/21/2006	554.6	3.88E-01	2.34E-02	2.19E-03	1.56E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/28/2006	559	3.88E-01	2.73E-02	2.28E-03	1.33E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/4/2006	558.2	3.88E-01	1.29E-02	1.71E-03	1.45E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/11/2006	561.3	3.88E-01	2.91E-02	2.43E-03	1.72E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/18/2006	560.7	3.88E-01	2.61E-02	2.30E-03	1.60E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/26/2006	641.7	3.88E-01	2.65E-02	2.12E-03	1.34E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/2/2006	488.5	3.88E-01	3.11E-02	2.66E-03	1.79E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/9/2006	566.9	3.88E-01	2.49E-02	2.25E-03	1.63E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/16/2006	551.8	3.88E-01	2.90E-02	2.41E-03	1.57E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/23/2006	566.7	3.88E-01	2.65E-02	2.32E-03	1.66E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/30/2006	559.4	3.88E-01	2.57E-02	2.28E-03	1.58E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/6/2006	567.1	3.88E-01	2.70E-02	2.30E-03	1.54E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/13/2006	557.6	3.88E-01	1.88E-02	2.05E-03	1.69E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/20/2006	561.9	3.88E-01	1.97E-02	2.10E-03	1.78E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/26/2006	487	3.88E-01	1.90E-02	2.21E-03	1.83E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/4/2006	647	3.88E-01	2.13E-02	1.94E-03	1.38E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/11/2006	560.5	3.88E-01	3.04E-02	2.46E-03	1.66E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/18/2006	565.5	3.88E-01	3.17E-02	2.46E-03	1.49E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/26/2006	642.4	3.88E-01	2.56E-02	2.07E-03	1.26E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	1/3/2006	571.9	3.88E-01	2.53E-02	2.24E-03	1.57E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	1/9/2006	414.4	3.88E-01	2.83E-02	2.91E-03	2.41E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
60	0.2 MI SE - ROBINSON PICNIC AREA	1/16/2006	490.9	3.88E-01	2.01E-02	2.26E-03	1.87E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	1/23/2006	490.3	3.88E-01	1.73E-02	2.16E-03	1.94E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	1/30/2006	491.8	3.88E-01	1.69E-02	2.15E-03	1.96E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	2/6/2006	485.9	3.88E-01	2.32E-02	2.44E-03	2.02E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	2/13/2006	488.5	3.88E-01	2.62E-02	2.49E-03	1.80E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	2/20/2006	495.9	3.88E-01	2.60E-02	2.50E-03	1.94E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	2/27/2006	481.9	3.88E-01	2.48E-02	2.44E-03	1.78E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	3/7/2006	559.5	3.88E-01	2.96E-02	2.46E-03	1.74E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	3/13/2006	475	3.88E-01	2.31E-02	2.45E-03	2.02E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	3/20/2006	549	3.88E-01	2.52E-02	2.31E-03	1.68E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	3/27/2006	541	3.88E-01	1.48E-02	1.90E-03	1.70E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	4/2/2006	473.3	3.88E-01	2.35E-02	2.42E-03	1.84E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	4/10/2006	633	3.88E-01	2.08E-02	1.98E-03	1.52E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	4/17/2006	561.3	3.88E-01	2.50E-02	2.26E-03	1.62E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	4/24/2006	587.2	3.88E-01	1.89E-02	1.98E-03	1.57E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	5/1/2006	560.1	3.88E-01	2.15E-02	2.17E-03	1.78E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	5/8/2006	550.3	3.88E-01	2.44E-02	2.21E-03	1.44E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	5/15/2006	538.1	3.88E-01	2.06E-02	2.11E-03	1.54E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	5/22/2006	540.6	3.88E-01	2.16E-02	2.12E-03	1.47E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	5/30/2006	633.5	3.88E-01	3.10E-02	2.31E-03	1.48E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	6/5/2006	471.9	3.88E-01	2.15E-02	2.42E-03	2.09E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	6/19/2006	523.7	3.88E-01	2.14E-02	2.16E-03	1.55E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	6/26/2006	522	3.88E-01	2.06E-02	2.16E-03	1.66E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	7/3/2006	516.8	3.88E-01	2.72E-02	2.41E-03	1.58E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	7/10/2006	517	3.88E-01	2.33E-02	2.27E-03	1.63E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	7/17/2006	515.7	3.88E-01	1.81E-02	2.10E-03	1.77E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
60	0.2 MI SE - ROBINSON PICNIC AREA	7/24/2006	518.1	3.88E-01	2.55E-02	2.41E-03	1.83E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	7/31/2006	512.3	3.88E-01	2.22E-02	2.26E-03	1.70E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	8/7/2006	532.1	3.88E-01	3.13E-02	2.55E-03	1.68E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	8/14/2006	529.4	3.88E-01	2.44E-02	2.28E-03	1.58E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	8/21/2006	527.7	3.88E-01	2.57E-02	2.35E-03	1.64E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	8/28/2006	519.5	3.88E-01	2.51E-02	2.29E-03	1.43E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	9/4/2006	523.1	3.88E-01	1.36E-02	1.82E-03	1.55E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	9/11/2006	523.9	3.88E-01	2.94E-02	2.54E-03	1.85E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	9/18/2006	516.4	3.88E-01	2.46E-02	2.35E-03	1.74E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	9/26/2006	594.4	3.88E-01	2.70E-02	2.23E-03	1.44E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	10/2/2006	445.8	3.88E-01	2.91E-02	2.73E-03	1.96E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	10/9/2006	516.7	3.88E-01	2.83E-02	2.50E-03	1.79E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	10/16/2006	498.7	3.88E-01	2.95E-02	2.57E-03	1.74E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	10/23/2006	518.1	3.88E-01	2.49E-02	2.38E-03	1.82E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	10/30/2006	493.7	3.88E-01	2.59E-02	2.46E-03	1.79E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	11/6/2006	494.1	3.88E-01	2.71E-02	2.50E-03	1.77E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	11/13/2006	495	3.88E-01	2.01E-02	2.26E-03	1.91E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	11/20/2006	491.1	3.88E-01	1.93E-02	2.28E-03	2.03E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	11/26/2006	400.4	3.88E-01	1.82E-02	2.46E-03	2.23E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	12/4/2006	542.1	3.88E-01	2.30E-02	2.22E-03	1.65E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	12/11/2006	451.8	3.88E-01	3.07E-02	2.81E-03	2.06E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	12/18/2006	463.9	3.88E-01	3.32E-02	2.81E-03	1.82E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	12/26/2006	528.7	3.88E-01	2.78E-02	2.40E-03	1.53E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	1/3/2006	559.5	3.88E-01	2.29E-02	2.18E-03	1.61E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	1/9/2006	410.8	3.88E-01	2.61E-02	2.84E-03	2.43E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	1/16/2006	503.6	3.88E-01	1.97E-02	2.20E-03	1.82E-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	1/23/2006	492.9	3.88E-01	1.68E-02	2.13E-03	1.93E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	1/30/2006	491.3	3.88E-01	1.53E-02	2.08E-03	1.96E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	2/6/2006	485.7	3.88E-01	2.46E-02	2.49E-03	2.02E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	2/13/2006	468.2	3.88E-01	2.67E-02	2.57E-03	1.88E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	2/20/2006	478.4	3.88E-01	2.77E-02	2.62E-03	2.01E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	2/27/2006	473.6	3.88E-01	2.14E-02	2.33E-03	1.81E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	3/7/2006	551.7	3.88E-01	3.10E-02	2.52E-03	1.77E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	3/13/2006	446.5	3.88E-01	2.53E-02	2.64E-03	2.15E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	3/20/2006	492.2	3.88E-01	3.01E-02	2.64E-03	1.88E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	3/27/2006	478.4	3.88E-01	1.82E-02	2.21E-03	1.92E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	4/2/2006	432.9	3.88E-01	2.62E-02	2.67E-03	2.02E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	4/10/2006	580.5	3.88E-01	2.50E-02	2.24E-03	1.66E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	4/17/2006	524.1	3.88E-01	2.80E-02	2.47E-03	1.74E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	4/24/2006	550.4	3.88E-01	2.16E-02	2.17E-03	1.68E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/1/2006	515.7	3.88E-01	2.56E-02	2.45E-03	1.93E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/8/2006	574.9	3.88E-01	2.30E-02	2.10E-03	1.38E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/15/2006	578.4	3.88E-01	1.74E-02	1.88E-03	1.44E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/22/2006	587.6	3.88E-01	1.92E-02	1.92E-03	1.35E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/30/2006	678	3.88E-01	2.48E-02	2.02E-03	1.38E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	6/5/2006	503.9	3.88E-01	1.86E-02	2.20E-03	1.96E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	6/12/2006	591.9	3.88E-01	2.17E-02	2.09E-03	1.62E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	6/19/2006	587.6	3.88E-01	1.81E-02	1.89E-03	1.38E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	6/26/2006	594.5	3.88E-01	1.92E-02	1.94E-03	1.46E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	7/3/2006	592.7	3.88E-01	2.56E-02	2.17E-03	1.38E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	7/10/2006	594.9	3.88E-01	2.10E-02	2.01E-03	1.42E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	7/17/2006	595.1	3.88E-01	1.73E-02	1.89E-03	1.53E-03

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Beta

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	7/24/2006	595.4	3.88E-01	2.97E-02	2.36E-03	1.59E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	7/31/2006	595.8	3.88E-01	2.23E-02	2.07E-03	1.46E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	8/7/2006	594.1	3.88E-01	2.86E-02	2.30E-03	1.50E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	8/14/2006	594.7	3.88E-01	2.10E-02	2.00E-03	1.41E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	8/21/2006	593.4	3.88E-01	2.29E-02	2.09E-03	1.46E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	8/28/2006	592.5	3.88E-01	2.39E-02	2.08E-03	1.25E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	9/4/2006	589.3	3.88E-01	1.23E-02	1.62E-03	1.37E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	9/11/2006	628.5	3.88E-01	2.45E-02	2.12E-03	1.54E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	9/18/2006	545	3.88E-01	2.29E-02	2.22E-03	1.65E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	9/26/2006	668.4	3.88E-01	2.41E-02	1.99E-03	1.28E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	10/2/2006	519.2	3.88E-01	2.53E-02	2.36E-03	1.68E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	10/9/2006	566.9	3.88E-01	2.17E-02	2.13E-03	1.63E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	10/16/2006	551.3	3.88E-01	2.45E-02	2.24E-03	1.57E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	10/23/2006	573.5	3.88E-01	2.27E-02	2.16E-03	1.64E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	10/30/2006	533.2	3.88E-01	2.62E-02	2.36E-03	1.66E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	11/6/2006	531.6	3.88E-01	2.57E-02	2.34E-03	1.64E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	11/13/2006	551.3	3.88E-01	1.69E-02	1.98E-03	1.71E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	11/20/2006	525.5	3.88E-01	2.01E-02	2.21E-03	1.90E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	11/26/2006	450.1	3.88E-01	1.76E-02	2.26E-03	1.98E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	12/4/2006	623.5	3.88E-01	2.22E-02	2.01E-03	1.43E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	12/11/2006	659.1	3.88E-01	2.41E-02	2.03E-03	1.41E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	12/18/2006	577	3.88E-01	2.69E-02	2.26E-03	1.46E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	12/26/2006	627	3.88E-01	2.27E-02	1.99E-03	1.29E-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	1/9/2006	437.1		<LLD		1.27E-02
1	24.4 MI ESE - FLORENCE - CONTROL	1/16/2006	609.2		<LLD		1.90E-02
1	24.4 MI ESE - FLORENCE - CONTROL	1/23/2006	619.7		<LLD		1.43E-02
1	24.4 MI ESE - FLORENCE - CONTROL	1/30/2006	603.1		<LLD		1.51E-02
1	24.4 MI ESE - FLORENCE - CONTROL	2/6/2006	635.5		<LLD		2.66E-02
1	24.4 MI ESE - FLORENCE - CONTROL	2/13/2006	621.5		<LLD		1.63E-02
1	24.4 MI ESE - FLORENCE - CONTROL	2/20/2006	626.1		<LLD		1.76E-02
1	24.4 MI ESE - FLORENCE - CONTROL	2/27/2006	616.8		<LLD		1.19E-02
1	24.4 MI ESE - FLORENCE - CONTROL	3/7/2006	622.9		<LLD		1.48E-02
1	24.4 MI ESE - FLORENCE - CONTROL	3/13/2006	475.0		<LLD		1.66E-02
1	24.4 MI ESE - FLORENCE - CONTROL	3/20/2006	540.1		<LLD		1.98E-02
1	24.4 MI ESE - FLORENCE - CONTROL	3/27/2006	546.6		<LLD		2.12E-02
1	24.4 MI ESE - FLORENCE - CONTROL	4/2/2006	477.4		<LLD		2.71E-02
1	24.4 MI ESE - FLORENCE - CONTROL	4/10/2006	622.3		<LLD		1.76E-02
1	24.4 MI ESE - FLORENCE - CONTROL	4/17/2006	555.4		<LLD		1.47E-02
1	24.4 MI ESE - FLORENCE - CONTROL	4/24/2006	566.7		<LLD		7.09E-03
1	24.4 MI ESE - FLORENCE - CONTROL	5/1/2006	543.0		<LLD		2.04E-02
1	24.4 MI ESE - FLORENCE - CONTROL	5/8/2006	690.4		<LLD		1.67E-02
1	24.4 MI ESE - FLORENCE - CONTROL	5/15/2006	678.4		<LLD		2.18E-02
1	24.4 MI ESE - FLORENCE - CONTROL	5/22/2006	688.8		<LLD		1.81E-02
1	24.4 MI ESE - FLORENCE - CONTROL	5/30/2006	702.1		<LLD		1.23E-02
1	24.4 MI ESE - FLORENCE - CONTROL	6/5/2006	527.9		<LLD		2.64E-02
1	24.4 MI ESE - FLORENCE - CONTROL	6/12/2006	207.4		<LLD		4.22E-02
1	24.4 MI ESE - FLORENCE - CONTROL	6/19/2006	601.9		<LLD		2.18E-02
1	24.4 MI ESE - FLORENCE - CONTROL	6/26/2006	616.1		<LLD		1.93E-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	7/3/2006	613.9		<LLD		2.08E-02
1	24.4 MI ESE - FLORENCE - CONTROL	7/10/2006	617.7		<LLD		1.48E-02
1	24.4 MI ESE - FLORENCE - CONTROL	7/17/2006	612.8		<LLD		1.83E-02
1	24.4 MI ESE - FLORENCE - CONTROL	7/24/2006	621.8		<LLD		1.96E-02
1	24.4 MI ESE - FLORENCE - CONTROL	7/31/2006	613.5		<LLD		1.94E-02
1	24.4 MI ESE - FLORENCE - CONTROL	8/7/2006	605.2		<LLD		1.27E-02
1	24.4 MI ESE - FLORENCE - CONTROL	8/14/2006	633.5		<LLD		1.37E-02
1	24.4 MI ESE - FLORENCE - CONTROL	8/21/2006	615.3		<LLD		1.93E-02
1	24.4 MI ESE - FLORENCE - CONTROL	8/28/2006	609.8		<LLD		2.47E-02
1	24.4 MI ESE - FLORENCE - CONTROL	9/4/2006	612.6		<LLD		2.37E-02
1	24.4 MI ESE - FLORENCE - CONTROL	9/11/2006	616.9		<LLD		1.99E-02
1	24.4 MI ESE - FLORENCE - CONTROL	9/18/2006	614.8		<LLD		9.37E-03
1	24.4 MI ESE - FLORENCE - CONTROL	9/26/2006	702.1		<LLD		1.53E-02
1	24.4 MI ESE - FLORENCE - CONTROL	10/2/2006	527.4		<LLD		2.89E-02
1	24.4 MI ESE - FLORENCE - CONTROL	10/9/2006	610.9		<LLD		1.79E-02
1	24.4 MI ESE - FLORENCE - CONTROL	10/16/2006	593.8		<LLD		1.72E-02
1	24.4 MI ESE - FLORENCE - CONTROL	10/23/2006	617.0		<LLD		2.00E-02
1	24.4 MI ESE - FLORENCE - CONTROL	10/30/2006	593.3		<LLD		1.85E-02
1	24.4 MI ESE - FLORENCE - CONTROL	11/6/2006	602.9		<LLD		2.58E-02
1	24.4 MI ESE - FLORENCE - CONTROL	11/13/2006	599.1		<LLD		1.48E-02
1	24.4 MI ESE - FLORENCE - CONTROL	11/20/2006	596.5		<LLD		1.43E-02
1	24.4 MI ESE - FLORENCE - CONTROL	11/26/2006	503.0		<LLD		1.60E-02
1	24.4 MI ESE - FLORENCE - CONTROL	12/4/2006	697.6		<LLD		1.27E-02
1	24.4 MI ESE - FLORENCE - CONTROL	12/11/2006	586.8		<LLD		2.00E-02
1	24.4 MI ESE - FLORENCE - CONTROL	12/18/2006	609.2		<LLD		1.33E-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	12/26/2006	675.2		<LLD		3.73E-02
2	0.2 MI S - INFORMATION CENTER	1/3/2006	625.7		<LLD		1.30E-02
2	0.2 MI S - INFORMATION CENTER	1/9/2006	456.6		<LLD		1.62E-02
2	0.2 MI S - INFORMATION CENTER	1/16/2006	542.6		<LLD		1.82E-02
2	0.2 MI S - INFORMATION CENTER	1/30/2006	543.0		<LLD		3.26E-02
2	0.2 MI S - INFORMATION CENTER	2/6/2006	536.4		<LLD		1.88E-02
2	0.2 MI S - INFORMATION CENTER	2/13/2006	529.3		<LLD		3.58E-02
2	0.2 MI S - INFORMATION CENTER	2/20/2006	543.2		<LLD		2.96E-02
2	0.2 MI S - INFORMATION CENTER	2/27/2006	529.9		<LLD		1.65E-02
2	0.2 MI S - INFORMATION CENTER	3/7/2006	616.6		<LLD		2.98E-02
2	0.2 MI S - INFORMATION CENTER	3/13/2006	472.0		<LLD		2.51E-02
2	0.2 MI S - INFORMATION CENTER	3/20/2006	552.2		<LLD		1.37E-02
2	0.2 MI S - INFORMATION CENTER	3/27/2006	525.9		<LLD		2.76E-02
2	0.2 MI S - INFORMATION CENTER	4/2/2006	476.1		<LLD		1.56E-02
2	0.2 MI S - INFORMATION CENTER	4/10/2006	629.7		<LLD		2.02E-02
2	0.2 MI S - INFORMATION CENTER	4/17/2006	561.3		<LLD		2.57E-02
2	0.2 MI S - INFORMATION CENTER	4/24/2006	571.3		<LLD		3.33E-02
2	0.2 MI S - INFORMATION CENTER	5/1/2006	553.9		<LLD		2.78E-02
2	0.2 MI S - INFORMATION CENTER	5/8/2006	587.4		<LLD		1.48E-02
2	0.2 MI S - INFORMATION CENTER	5/15/2006	593.5		<LLD		1.18E-02
2	0.2 MI S - INFORMATION CENTER	5/22/2006	598.1		<LLD		1.65E-02
2	0.2 MI S - INFORMATION CENTER	5/30/2006	696.3		<LLD		1.74E-02
2	0.2 MI S - INFORMATION CENTER	6/5/2006	516.6		<LLD		1.56E-02
2	0.2 MI S - INFORMATION CENTER	6/12/2006	606.9		<LLD		1.41E-02
2	0.2 MI S - INFORMATION CENTER	6/19/2006	603.0		<LLD		2.33E-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	6/26/2006	610.7		<LLD		1.48E-02
2	0.2 MI S - INFORMATION CENTER	7/3/2006	607.5		<LLD		1.46E-02
2	0.2 MI S - INFORMATION CENTER	7/10/2006	609.0		<LLD		1.98E-02
2	0.2 MI S - INFORMATION CENTER	7/17/2006	611.1		<LLD		7.32E-03
2	0.2 MI S - INFORMATION CENTER	7/24/2006	613.0		<LLD		1.48E-02
2	0.2 MI S - INFORMATION CENTER	7/31/2006	689.6		<LLD		9.22E-03
2	0.2 MI S - INFORMATION CENTER	8/7/2006	465.5		<LLD		3.24E-02
2	0.2 MI S - INFORMATION CENTER	8/14/2006	626.0		<LLD		2.61E-02
2	0.2 MI S - INFORMATION CENTER	8/21/2006	628.6		<LLD		1.24E-02
2	0.2 MI S - INFORMATION CENTER	8/28/2006	627.1		<LLD		1.82E-02
2	0.2 MI S - INFORMATION CENTER	9/4/2006	625.6		<LLD		2.09E-02
2	0.2 MI S - INFORMATION CENTER	9/11/2006	627.7		<LLD		1.58E-02
2	0.2 MI S - INFORMATION CENTER	9/18/2006	621.5		<LLD		2.34E-02
2	0.2 MI S - INFORMATION CENTER	9/26/2006	714.8		<LLD		1.18E-02
2	0.2 MI S - INFORMATION CENTER	10/2/2006	539.5		<LLD		2.08E-02
2	0.2 MI S - INFORMATION CENTER	10/9/2006	620.2		<LLD		1.60E-02
2	0.2 MI S - INFORMATION CENTER	10/16/2006	598.6		<LLD		1.66E-02
2	0.2 MI S - INFORMATION CENTER	10/23/2006	618.5		<LLD		2.35E-02
2	0.2 MI S - INFORMATION CENTER	10/30/2006	604.4		<LLD		1.85E-02
2	0.2 MI S - INFORMATION CENTER	11/6/2006	606.9		<LLD		2.63E-02
2	0.2 MI S - INFORMATION CENTER	11/13/2006	605.4		<LLD		1.44E-02
2	0.2 MI S - INFORMATION CENTER	11/20/2006	602.4		<LLD		2.13E-02
2	0.2 MI S - INFORMATION CENTER	11/26/2006	509.2		<LLD		3.48E-02
2	0.2 MI S - INFORMATION CENTER	12/4/2006	694.4		<LLD		2.63E-02
2	0.2 MI S - INFORMATION CENTER	12/11/2006	584.2		<LLD		1.58E-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	12/18/2006	607.0		<LLD		1.33E-02
2	0.2 MI S - INFORMATION CENTER	12/26/2006	688.8		<LLD		2.84E-02
3	0.5 MI N - MICROWAVE TOWER	1/3/2006	578.3		<LLD		2.00E-02
3	0.5 MI N - MICROWAVE TOWER	1/9/2006	430.0		<LLD		2.09E-02
3	0.5 MI N - MICROWAVE TOWER	1/16/2006	503.3		<LLD		1.69E-02
3	0.5 MI N - MICROWAVE TOWER	1/23/2006	502.0		<LLD		1.98E-02
3	0.5 MI N - MICROWAVE TOWER	1/30/2006	505.0		<LLD		1.67E-02
3	0.5 MI N - MICROWAVE TOWER	2/6/2006	500.5		<LLD		6.28E-03
3	0.5 MI N - MICROWAVE TOWER	2/13/2006	500.7		<LLD		2.30E-02
3	0.5 MI N - MICROWAVE TOWER	2/20/2006	505.4		<LLD		2.14E-02
3	0.5 MI N - MICROWAVE TOWER	2/27/2006	497.9		<LLD		2.22E-02
3	0.5 MI N - MICROWAVE TOWER	3/7/2006	669.7		<LLD		1.52E-02
3	0.5 MI N - MICROWAVE TOWER	3/13/2006	606.5		<LLD		1.29E-02
3	0.5 MI N - MICROWAVE TOWER	3/20/2006	579.4		<LLD		1.71E-02
3	0.5 MI N - MICROWAVE TOWER	3/27/2006	608.2		<LLD		1.17E-02
3	0.5 MI N - MICROWAVE TOWER	4/2/2006	544.0		<LLD		2.32E-02
3	0.5 MI N - MICROWAVE TOWER	4/10/2006	698.2		<LLD		1.53E-02
3	0.5 MI N - MICROWAVE TOWER	4/17/2006	628.0		<LLD		1.75E-02
3	0.5 MI N - MICROWAVE TOWER	4/24/2006	636.0		<LLD		1.79E-02
3	0.5 MI N - MICROWAVE TOWER	5/1/2006	620.4		<LLD		2.52E-02
3	0.5 MI N - MICROWAVE TOWER	5/8/2006	684.8		<LLD		1.21E-02
3	0.5 MI N - MICROWAVE TOWER	5/15/2006	639.0		<LLD		1.83E-02
3	0.5 MI N - MICROWAVE TOWER	5/22/2006	644.4		<LLD		1.51E-02
3	0.5 MI N - MICROWAVE TOWER	5/30/2006	729.6		<LLD		1.17E-02
3	0.5 MI N - MICROWAVE TOWER	6/5/2006	543.8		<LLD		2.34E-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	6/12/2006	636.9		<LLD		2.30E-02
3	0.5 MI N - MICROWAVE TOWER	6/19/2006	645.1		<LLD		2.32E-02
3	0.5 MI N - MICROWAVE TOWER	6/26/2006	627.1		<LLD		1.60E-02
3	0.5 MI N - MICROWAVE TOWER	7/3/2006	632.9		<LLD		2.69E-02
3	0.5 MI N - MICROWAVE TOWER	7/10/2006	638.4		<LLD		6.61E-03
3	0.5 MI N - MICROWAVE TOWER	7/17/2006	634.1		<LLD		2.24E-02
3	0.5 MI N - MICROWAVE TOWER	7/24/2006	644.1		<LLD		1.16E-02
3	0.5 MI N - MICROWAVE TOWER	7/31/2006	641.9		<LLD		1.63E-02
3	0.5 MI N - MICROWAVE TOWER	8/7/2006	583.4		<LLD		1.60E-02
3	0.5 MI N - MICROWAVE TOWER	8/14/2006	559.2		<LLD		1.93E-02
3	0.5 MI N - MICROWAVE TOWER	8/21/2006	566.5		<LLD		1.95E-02
3	0.5 MI N - MICROWAVE TOWER	8/28/2006	565.1		<LLD		1.68E-02
3	0.5 MI N - MICROWAVE TOWER	9/4/2006	565.0		<LLD		1.55E-02
3	0.5 MI N - MICROWAVE TOWER	9/11/2006	568.4		<LLD		1.85E-02
3	0.5 MI N - MICROWAVE TOWER	9/18/2006	560.2		<LLD		1.35E-02
3	0.5 MI N - MICROWAVE TOWER	9/26/2006	643.9		<LLD		1.53E-02
3	0.5 MI N - MICROWAVE TOWER	10/2/2006	473.0		<LLD		1.56E-02
3	0.5 MI N - MICROWAVE TOWER	10/9/2006	575.0		<LLD		1.57E-02
3	0.5 MI N - MICROWAVE TOWER	10/16/2006	544.8		<LLD		1.44E-02
3	0.5 MI N - MICROWAVE TOWER	10/23/2006	548.8		<LLD		1.48E-02
3	0.5 MI N - MICROWAVE TOWER	10/30/2006	556.8		<LLD		1.64E-02
3	0.5 MI N - MICROWAVE TOWER	11/6/2006	546.6		<LLD		2.89E-02
3	0.5 MI N - MICROWAVE TOWER	11/13/2006	544.7		<LLD		1.63E-02
3	0.5 MI N - MICROWAVE TOWER	11/20/2006	547.8		<LLD		2.01E-02
3	0.5 MI N - MICROWAVE TOWER	11/26/2006	458.1		<LLD		2.12E-02

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Iodine

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
3	0.5 MI N - MICROWAVE TOWER	12/4/2006	637.3		<LLD		7.31E-03
3	0.5 MI N - MICROWAVE TOWER	12/11/2006	520.9		<LLD		1.18E-02
3	0.5 MI N - MICROWAVE TOWER	12/18/2006	544.0		<LLD		1.39E-02
3	0.5 MI N - MICROWAVE TOWER	12/26/2006	615.8		<LLD		3.60E-02
4	0.4 MI ESE - SPILLWAY	1/3/2006	602.4		<LLD		2.69E-02
4	0.4 MI ESE - SPILLWAY	1/9/2006	443.3		<LLD		2.34E-02
4	0.4 MI ESE - SPILLWAY	1/16/2006	523.7		<LLD		3.13E-02
4	0.4 MI ESE - SPILLWAY	1/23/2006	520.0		<LLD		2.38E-02
4	0.4 MI ESE - SPILLWAY	1/30/2006	521.1		<LLD		2.59E-02
4	0.4 MI ESE - SPILLWAY	2/6/2006	514.5		<LLD		3.39E-02
4	0.4 MI ESE - SPILLWAY	2/13/2006	511.3		<LLD		2.18E-02
4	0.4 MI ESE - SPILLWAY	2/20/2006	520.3		<LLD		2.98E-02
4	0.4 MI ESE - SPILLWAY	2/27/2006	519.8		<LLD		2.89E-02
4	0.4 MI ESE - SPILLWAY	3/7/2006	577.8		<LLD		3.05E-02
4	0.4 MI ESE - SPILLWAY	3/13/2006	447.5		<LLD		2.83E-02
4	0.4 MI ESE - SPILLWAY	3/20/2006	510.9		<LLD		3.18E-02
4	0.4 MI ESE - SPILLWAY	3/27/2006	581.0		<LLD		2.71E-02
4	0.4 MI ESE - SPILLWAY	4/2/2006	508.4		<LLD		2.34E-02
4	0.4 MI ESE - SPILLWAY	4/10/2006	673.8		<LLD		1.55E-02
4	0.4 MI ESE - SPILLWAY	4/17/2006	593.3		<LLD		2.43E-02
4	0.4 MI ESE - SPILLWAY	4/24/2006	605.8		<LLD		2.52E-02
4	0.4 MI ESE - SPILLWAY	5/1/2006	574.3		<LLD		1.62E-02
4	0.4 MI ESE - SPILLWAY	5/8/2006	736.6		<LLD		1.81E-02
4	0.4 MI ESE - SPILLWAY	5/15/2006	732.9		<LLD		2.24E-02
4	0.4 MI ESE - SPILLWAY	5/22/2006	734.9		<LLD		2.59E-02

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Iodine

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
4	0.4 MI ESE - SPILLWAY	5/30/2006	708.3		<LLD		2.53E-02
4	0.4 MI ESE - SPILLWAY	6/5/2006	532.0		<LLD		1.99E-02
4	0.4 MI ESE - SPILLWAY	6/12/2006	624.7		<LLD		2.33E-02
4	0.4 MI ESE - SPILLWAY	6/19/2006	614.3		<LLD		8.38E-03
4	0.4 MI ESE - SPILLWAY	6/26/2006	621.3		<LLD		7.44E-03
4	0.4 MI ESE - SPILLWAY	7/3/2006	615.8		<LLD		2.05E-02
4	0.4 MI ESE - SPILLWAY	7/10/2006	616.9		<LLD		3.15E-02
4	0.4 MI ESE - SPILLWAY	7/17/2006	616.4		<LLD		1.69E-02
4	0.4 MI ESE - SPILLWAY	7/24/2006	622.4		<LLD		2.40E-02
4	0.4 MI ESE - SPILLWAY	7/31/2006	614.9		<LLD		2.30E-02
4	0.4 MI ESE - SPILLWAY	8/7/2006	583.3		<LLD		1.72E-02
4	0.4 MI ESE - SPILLWAY	8/14/2006	575.9		<LLD		2.31E-02
4	0.4 MI ESE - SPILLWAY	8/21/2006	575.0		<LLD		2.39E-02
4	0.4 MI ESE - SPILLWAY	8/28/2006	573.1		<LLD		2.53E-02
4	0.4 MI ESE - SPILLWAY	9/4/2006	570.9		<LLD		2.60E-02
4	0.4 MI ESE - SPILLWAY	9/11/2006	571.7		<LLD		3.10E-02
4	0.4 MI ESE - SPILLWAY	9/18/2006	563.0		<LLD		3.43E-02
4	0.4 MI ESE - SPILLWAY	9/26/2006	647.2		<LLD		1.75E-02
4	0.4 MI ESE - SPILLWAY	10/2/2006	498.2		<LLD		3.20E-02
4	0.4 MI ESE - SPILLWAY	10/9/2006	553.4		<LLD		1.69E-02
4	0.4 MI ESE - SPILLWAY	10/16/2006	540.0		<LLD		2.32E-02
4	0.4 MI ESE - SPILLWAY	10/23/2006	562.7		<LLD		3.65E-02
4	0.4 MI ESE - SPILLWAY	10/30/2006	542.2		<LLD		3.10E-02
4	0.4 MI ESE - SPILLWAY	11/6/2006	548.8		<LLD		2.26E-02
4	0.4 MI ESE - SPILLWAY	11/13/2006	541.4		<LLD		2.34E-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	11/20/2006	542.0		<LLD		2.09E-02
4	0.4 MI ESE - SPILLWAY	11/26/2006	445.1		<LLD		1.47E-02
4	0.4 MI ESE - SPILLWAY	12/4/2006	599.9		<LLD		1.76E-02
4	0.4 MI ESE - SPILLWAY	12/11/2006	505.6		<LLD		2.86E-02
4	0.4 MI ESE - SPILLWAY	12/18/2006	522.4		<LLD		1.56E-02
4	0.4 MI ESE - SPILLWAY	12/26/2006	593.7		<LLD		4.69E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	1/3/2006	612.8		<LLD		1.15E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	1/9/2006	452.5		<LLD		2.86E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	1/16/2006	533.8		<LLD		2.33E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	1/23/2006	528.9		<LLD		1.88E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	1/30/2006	532.4		<LLD		2.50E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	2/6/2006	528.3		<LLD		2.73E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	2/13/2006	524.9		<LLD		1.73E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	2/20/2006	531.8		<LLD		2.25E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	2/27/2006	521.8		<LLD		1.71E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	3/7/2006	617.3		<LLD		1.25E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	3/13/2006	475.2		<LLD		2.55E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	3/20/2006	538.1		<LLD		2.12E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	3/27/2006	596.2		<LLD		1.99E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	4/2/2006	530.8		<LLD		2.65E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	4/10/2006	680.4		<LLD		9.77E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	4/17/2006	611.7		<LLD		1.98E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	4/24/2006	619.3		<LLD		1.30E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	5/1/2006	586.5		<LLD		2.00E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	5/8/2006	638.5		<LLD		1.47E-02

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Iodine

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	5/15/2006	522.3		<LLD		2.21E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	5/22/2006	631.8		<LLD		1.28E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	5/30/2006	768.1		<LLD		1.09E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	6/5/2006	572.0		<LLD		1.91E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	6/12/2006	671.3		<LLD		1.59E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	6/19/2006	669.6		<LLD		1.78E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	6/26/2006	672.5		<LLD		1.38E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	7/3/2006	670.5		<LLD		1.26E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	7/10/2006	674.3		<LLD		1.42E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	7/17/2006	671.0		<LLD		1.58E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	7/24/2006	678.5		<LLD		1.40E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	7/31/2006	667.3		<LLD		1.37E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	8/7/2006	692.6		<LLD		7.10E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	8/14/2006	659.2		<LLD		1.57E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	8/21/2006	665.6		<LLD		1.95E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	8/28/2006	664.5		<LLD		1.55E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	9/4/2006	664.7		<LLD		1.77E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	9/11/2006	672.6		<LLD		1.95E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	9/18/2006	668.1		<LLD		1.79E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	9/26/2006	762.5		<LLD		2.19E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	10/2/2006	557.0		<LLD		2.30E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	10/9/2006	685.0		<LLD		1.22E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	10/16/2006	650.0		<LLD		1.93E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	10/23/2006	670.3		<LLD		1.54E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	10/30/2006	659.6		<LLD		1.79E-02

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Iodine

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	11/6/2006	665.1		<LLD		2.02E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	11/13/2006	663.2		<LLD		7.08E-03
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	11/20/2006	667.8		<LLD		2.00E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	11/26/2006	558.4		<LLD		1.69E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	12/4/2006	764.3		<LLD		1.43E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	12/11/2006	647.0		<LLD		1.61E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	12/18/2006	669.2		<LLD		2.30E-02
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHNSO	12/26/2006	760.0		<LLD		2.06E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/3/2006	580.7		<LLD		2.46E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/9/2006	430.0		<LLD		2.37E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/16/2006	503.4		<LLD		2.02E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/23/2006	507.2		<LLD		1.10E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	1/30/2006	510.3		<LLD		1.45E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/6/2006	502.5		<LLD		2.17E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/13/2006	509.5		<LLD		1.93E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/20/2006	513.8		<LLD		1.93E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/27/2006	499.6		<LLD		2.54E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/7/2006	580.1		<LLD		1.91E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/13/2006	440.2		<LLD		1.57E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/20/2006	505.9		<LLD		1.15E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	3/27/2006	515.0		<LLD		1.60E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	4/2/2006	455.6		<LLD		2.45E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	4/10/2006	600.2		<LLD		1.21E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	4/17/2006	524.4		<LLD		2.64E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	4/24/2006	535.2		<LLD		2.95E-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	5/1/2006	516.1		<LLD		2.03E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/8/2006	581.5		<LLD		2.17E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/15/2006	583.9		<LLD		2.30E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/22/2006	582.5		<LLD		1.12E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/30/2006	662.9		<LLD		1.95E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/5/2006	492.2		<LLD		2.61E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/12/2006	578.5		<LLD		3.58E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/19/2006	571.8		<LLD		2.68E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	6/26/2006	571.9		<LLD		1.68E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/3/2006	562.7		<LLD		2.80E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/10/2006	571.8		<LLD		2.99E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/17/2006	567.1		<LLD		3.48E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/24/2006	569.4		<LLD		1.77E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	7/31/2006	572.4		<LLD		1.57E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/7/2006	568.3		<LLD		2.56E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/14/2006	573.7		<LLD		1.99E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/21/2006	559.3		<LLD		1.37E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/28/2006	577.7		<LLD		1.99E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	9/4/2006	568.6		<LLD		1.79E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	9/11/2006	569.8		<LLD		1.56E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	9/18/2006	570.8		<LLD		1.89E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	9/26/2006	653.2		<LLD		1.37E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/2/2006	497.0		<LLD		2.29E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/9/2006	577.6		<LLD		2.04E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/16/2006	559.6		<LLD		2.11E-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	10/23/2006	573.1		<LLD		2.25E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	10/30/2006	572.5		<LLD		1.46E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/6/2006	573.5		<LLD		2.48E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/13/2006	566.5		<LLD		1.62E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/20/2006	567.9		<LLD		1.24E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/26/2006	493.7		<LLD		2.74E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/4/2006	650.6		<LLD		2.42E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/11/2006	567.2		<LLD		3.27E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/18/2006	570.6		<LLD		1.74E-02
6	0.2 MI SSW - NEAR INFORMATION CENTER	12/26/2006	648.2		<LLD		2.75E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	1/3/2006	551.6		<LLD		1.56E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	1/9/2006	407.2		<LLD		2.73E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	1/16/2006	475.6		<LLD		2.29E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	1/23/2006	526.3		<LLD		1.59E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	1/30/2006	552.0		<LLD		1.11E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	2/6/2006	535.1		<LLD		1.37E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	2/13/2006	530.6		<LLD		2.37E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	2/20/2006	529.3		<LLD		1.12E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	2/27/2006	527.1		<LLD		2.69E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	3/7/2006	604.6		<LLD		1.62E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	3/13/2006	464.0		<LLD		2.71E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	3/20/2006	561.4		<LLD		1.42E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	3/27/2006	575.7		<LLD		2.43E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	4/2/2006	499.2		<LLD		2.91E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	4/10/2006	646.6		<LLD		1.79E-02

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Iodine

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	4/17/2006	584.8		<LLD		1.55E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	4/24/2006	580.8		<LLD		1.86E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	5/1/2006	545.0		<LLD		2.17E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	5/8/2006	595.4		<LLD		1.66E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	5/15/2006	582.4		<LLD		2.05E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	5/22/2006	593.1		<LLD		1.61E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	5/30/2006	676.4		<LLD		1.26E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	6/5/2006	512.4		<LLD		1.70E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	6/12/2006	611.6		<LLD		1.44E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	6/19/2006	577.6		<LLD		1.57E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	6/26/2006	597.9		<LLD		1.70E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	7/3/2006	597.8		<LLD		1.52E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	7/10/2006	600.1		<LLD		2.10E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	7/17/2006	584.2		<LLD		2.24E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	7/24/2006	594.4		<LLD		1.61E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	7/31/2006	593.4		<LLD		2.73E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	8/7/2006	585.7		<LLD		2.49E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	8/14/2006	596.9		<LLD		1.53E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	8/21/2006	576.1		<LLD		1.58E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	8/28/2006	594.1		<LLD		1.90E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	9/4/2006	585.2		<LLD		1.22E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	9/11/2006	594.2		<LLD		1.36E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	9/18/2006	585.8		<LLD		1.39E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	9/26/2006	669.3		<LLD		1.29E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	10/2/2006	509.7		<LLD		1.97E-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	10/9/2006	584.0		<LLD		1.71E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	10/16/2006	563.8		<LLD		1.61E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	10/23/2006	586.1		<LLD		1.63E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	10/30/2006	568.4		<LLD		9.31E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	11/6/2006	577.0		<LLD		1.24E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	11/13/2006	581.0		<LLD		1.83E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	11/20/2006	563.1		<LLD		2.24E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	11/26/2006	482.9		<LLD		2.63E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	12/4/2006	654.9		<LLD		2.17E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	12/11/2006	564.9		<LLD		9.48E-03
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	12/18/2006	583.7		<LLD		1.83E-02
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HARTSVI	12/26/2006	645.9		<LLD		4.18E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/3/2006	621.2		<LLD		2.25E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/9/2006	461.2		<LLD		1.72E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/16/2006	537.6		<LLD		4.38E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/23/2006	539.0		<LLD		2.41E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	1/30/2006	541.5		<LLD		2.25E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/6/2006	532.9		<LLD		3.75E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/13/2006	540.5		<LLD		2.07E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/20/2006	543.8		<LLD		3.91E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/27/2006	528.8		<LLD		3.43E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/7/2006	611.9		<LLD		3.02E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/13/2006	474.4		<LLD		3.49E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/20/2006	542.2		<LLD		2.65E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	3/27/2006	602.0		<LLD		1.96E-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	4/2/2006	512.7		<LLD		1.82E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/10/2006	679.0		<LLD		1.62E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/17/2006	591.8		<LLD		1.60E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	4/24/2006	605.1		<LLD		3.23E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/1/2006	575.1		<LLD		1.44E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/8/2006	575.2		<LLD		2.32E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/15/2006	563.1		<LLD		2.16E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/22/2006	566.8		<LLD		3.56E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/30/2006	648.1		<LLD		1.95E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/5/2006	481.0		<LLD		2.15E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/12/2006	566.8		<LLD		3.15E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/19/2006	595.0		<LLD		3.30E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	6/26/2006	531.0		<LLD		1.23E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/3/2006	557.8		<LLD		2.63E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/10/2006	566.6		<LLD		1.02E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/17/2006	560.4		<LLD		1.27E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/24/2006	565.7		<LLD		2.54E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	7/31/2006	561.2		<LLD		1.08E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/7/2006	580.5		<LLD		1.57E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/14/2006	347.6		<LLD		2.58E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/21/2006	554.6		<LLD		2.86E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/28/2006	559.0		<LLD		3.37E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/4/2006	558.2		<LLD		2.56E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/11/2006	561.3		<LLD		2.90E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	9/18/2006	560.7		<LLD		3.36E-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	9/26/2006	641.7		<LLD		2.71E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/2/2006	488.5		<LLD		2.36E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/9/2006	566.9		<LLD		1.86E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/16/2006	551.8		<LLD		2.02E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/23/2006	566.7		<LLD		3.15E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	10/30/2006	559.4		<LLD		3.59E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/6/2006	567.1		<LLD		1.46E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/13/2006	557.6		<LLD		2.15E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/20/2006	561.9		<LLD		2.04E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/26/2006	487.0		<LLD		8.57E-03
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/4/2006	647.0		<LLD		1.26E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/11/2006	560.5		<LLD		1.75E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/18/2006	565.5		<LLD		2.37E-02
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	12/26/2006	642.4		<LLD		4.25E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	1/3/2006	571.9		<LLD		1.16E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	1/9/2006	414.4		<LLD		3.12E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	1/16/2006	490.9		<LLD		2.34E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	1/23/2006	490.3		<LLD		1.26E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	1/30/2006	491.8		<LLD		2.60E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	2/6/2006	485.9		<LLD		2.58E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	2/13/2006	488.5		<LLD		2.15E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	2/20/2006	495.9		<LLD		2.39E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	2/27/2006	481.9		<LLD		3.35E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	3/7/2006	559.5		<LLD		1.91E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	3/13/2006	475.0		<LLD		2.01E-02

RNP Radiological Environmental Monitoring Analysis Report

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

Analysis: Iodine

Sample Point		*Sample Date*	*Quantity*	*Efficiency*	*Activity*	*2 Sigma Error*	*LLD*
60	0.2 MI SE - ROBINSON PICNIC AREA	3/20/2006	549.0		<LLD		1.78E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	3/27/2006	541.0		<LLD		1.43E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	4/2/2006	473.3		<LLD		2.27E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	4/10/2006	633.0		<LLD		1.35E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	4/17/2006	561.3		<LLD		1.75E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	4/24/2006	587.2		<LLD		1.98E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	5/1/2006	560.1		<LLD		1.51E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	5/8/2006	550.3		<LLD		1.49E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	5/15/2006	538.1		<LLD		9.74E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	5/22/2006	540.6		<LLD		1.94E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	5/30/2006	633.5		<LLD		1.49E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	6/5/2006	471.9		<LLD		2.14E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	6/19/2006	523.7		<LLD		7.76E-03
60	0.2 MI SE - ROBINSON PICNIC AREA	6/26/2006	522.0		<LLD		2.03E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	7/3/2006	516.8		<LLD		1.96E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	7/10/2006	517.0		<LLD		1.76E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	7/17/2006	515.7		<LLD		2.62E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	7/24/2006	518.1		<LLD		2.49E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	7/31/2006	512.3		<LLD		1.43E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	8/7/2006	532.1		<LLD		1.73E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	8/14/2006	529.4		<LLD		1.34E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	8/21/2006	527.7		<LLD		1.84E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	8/28/2006	519.5		<LLD		2.66E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	9/4/2006	523.1		<LLD		2.14E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	9/11/2006	523.9		<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*
60	0.2 MI SE - ROBINSON PICNIC AREA	9/18/2006	516.4		<LLD		2.50E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	9/26/2006	594.4		<LLD		1.61E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	10/2/2006	445.8		<LLD		3.25E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	10/9/2006	516.7		<LLD		2.15E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	10/16/2006	498.7		<LLD		3.67E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	10/23/2006	518.1		<LLD		2.00E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	10/30/2006	493.7		<LLD		2.27E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	11/6/2006	494.1		<LLD		2.86E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	11/13/2006	495.0		<LLD		2.30E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	11/20/2006	491.1		<LLD		2.12E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	11/26/2006	400.4		<LLD		1.85E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	12/4/2006	542.1		<LLD		1.87E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	12/11/2006	451.8		<LLD		2.03E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	12/18/2006	463.9		<LLD		1.45E-02
60	0.2 MI SE - ROBINSON PICNIC AREA	12/26/2006	528.7		<LLD		3.67E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	1/3/2006	559.5		<LLD		2.27E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	1/9/2006	410.8		<LLD		1.02E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	1/16/2006	503.6		<LLD		1.85E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	1/23/2006	492.9		<LLD		1.07E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	1/30/2006	491.3		<LLD		1.88E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	2/6/2006	485.7		<LLD		2.58E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	2/13/2006	468.2		<LLD		3.18E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	2/20/2006	478.4		<LLD		2.04E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	2/27/2006	473.6		<LLD		2.54E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	3/7/2006	551.7		<LLD		3.17E-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	3/13/2006	446.5		<LLD		1.76E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	3/20/2006	492.2		<LLD		1.31E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	3/27/2006	478.4		<LLD		3.94E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	4/2/2006	432.9		<LLD		2.77E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	4/10/2006	580.5		<LLD		1.37E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	4/17/2006	524.1		<LLD		2.65E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	4/24/2006	550.4		<LLD		3.25E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	5/1/2006	515.7		<LLD		1.49E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	5/8/2006	574.9		<LLD		2.18E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	5/15/2006	578.4		<LLD		1.16E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	5/22/2006	587.6		<LLD		1.59E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	5/30/2006	678.0		<LLD		2.06E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	6/5/2006	503.9		<LLD		2.62E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	6/12/2006	591.9		<LLD		1.41E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	6/19/2006	587.6		<LLD		2.26E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	6/26/2006	594.5		<LLD		8.42E-03
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	7/3/2006	592.7		<LLD		3.09E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	7/10/2006	594.9		<LLD		3.13E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	7/17/2006	595.1		<LLD		2.20E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	7/24/2006	595.4		<LLD		1.31E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	7/31/2006	595.8		<LLD		2.96E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	8/7/2006	594.1		<LLD		2.91E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	8/14/2006	594.7		<LLD		2.68E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	8/21/2006	593.4		<LLD		2.08E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	8/28/2006	592.5		<LLD		1.65E-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	9/4/2006	589.3		<LLD		1.68E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	9/11/2006	628.5		<LLD		1.58E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	9/18/2006	545.0		<LLD		2.90E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	9/26/2006	668.4		<LLD		1.39E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	10/2/2006	519.2		<LLD		1.98E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	10/9/2006	566.9		<LLD		2.88E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	10/16/2006	551.3		<LLD		1.74E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	10/23/2006	573.5		<LLD		1.48E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	10/30/2006	533.2		<LLD		1.94E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	11/6/2006	531.6		<LLD		2.35E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	11/13/2006	551.3		<LLD		1.29E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	11/20/2006	525.5		<LLD		2.84E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	11/26/2006	450.1		<LLD		3.39E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	12/4/2006	623.5		<LLD		2.71E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	12/11/2006	659.1		<LLD		2.81E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	12/18/2006	577.0		<LLD		2.31E-02
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TRAC	12/26/2006	627.0		<LLD		4.95E-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	2/9/2006	0.416	0.005	<LLD		3.09E+02
42	UNIT 1 OR UNIT 2 DEEP WELL	5/8/2006	0.417	0.005	<LLD		3.12E+02
42	UNIT 1 OR UNIT 2 DEEP WELL	7/31/2006	0.417	0.005	<LLD		3.07E+02
42	UNIT 1 OR UNIT 2 DEEP WELL	10/23/2006	0.401	0.005	<LLD		3.33E+02
64	SC 23 @ BLACK CREEK	2/9/2006	0.417	0.005	<LLD		3.08E+02
64	SC 23 @ BLACK CREEK	5/8/2006	0.418	0.005	<LLD		3.11E+02
64	SC 23 @ BLACK CREEK	7/31/2006	0.417	0.005	<LLD		3.07E+02
64	SC 23 @ BLACK CREEK	10/23/2006	0.402	0.005	<LLD		3.32E+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) &	1/20/2006	0.421	0.005	1.88E+03	2.08E+02	3.09E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	2/20/2006	0.421	0.005	1.49E+03	2.02E+02	3.05E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	3/20/2006	0.418	0.005	9.94E+02	1.98E+02	3.07E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	4/16/2006	0.42	0.005	8.88E+02	1.96E+02	3.07E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	5/18/2006	0.418	0.005	8.77E+02	1.94E+02	3.03E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	6/19/2006	0.417	0.005	8.56E+02	1.95E+02	3.06E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	7/17/2006	0.419	0.005	2.26E+03	2.10E+02	3.06E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	8/17/2006	0.417	0.005	1.94E+03	2.12E+02	3.16E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	9/18/2006	0.403	0.005	1.71E+03	2.17E+02	3.27E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	10/18/2006	0.401	0.005	1.79E+03	2.19E+02	3.28E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	11/19/2006	0.399	0.005	1.42E+03	2.19E+02	3.36E+02
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-16-23) &	12/19/2006	0.399	0.005	3.67E+03	2.38E+02	3.30E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	1/20/2006	0.418	0.005	<LLD		3.12E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	2/20/2006	0.42	0.005	<LLD		3.06E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	3/20/2006	0.42	0.005	<LLD		3.06E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	4/16/2006	0.419	0.005	<LLD		3.08E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/18/2006	0.418	0.005	<LLD		3.03E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	6/19/2006	0.419	0.005	<LLD		3.05E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	7/17/2006	0.418	0.005	<LLD		3.07E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	8/17/2006	0.416	0.005	<LLD		3.16E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	9/18/2006	0.403	0.005	<LLD		3.23E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	10/18/2006	0.4	0.005	<LLD		3.29E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	11/19/2006	0.399	0.005	<LLD		3.36E+02
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	12/19/2006	0.401	0.005	<LLD		3.28E+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	1/20/2006	0.418	0.005	1.96E+03	2.10E+02	3.12E+02
57	ASH POND	2/20/2006	0.42	0.005	1.39E+03	2.01E+02	3.06E+02
57	ASH POND	3/20/2006	0.419	0.005	1.06E+03	1.98E+02	3.06E+02
57	ASH POND	4/16/2006	0.419	0.005	5.96E+02	1.93E+02	3.08E+02
57	ASH POND	5/18/2006	0.417	0.005	9.16E+02	1.95E+02	3.03E+02
57	ASH POND	6/19/2006	0.418	0.005	7.24E+02	1.94E+02	3.05E+02
57	ASH POND	7/17/2006	0.415	0.005	1.20E+03	2.01E+02	3.09E+02
57	ASH POND	8/17/2006	0.417	0.005	1.92E+03	2.12E+02	3.16E+02
57	ASH POND	9/18/2006	0.402	0.005	1.76E+03	2.18E+02	3.28E+02
57	ASH POND	10/18/2006	0.399	0.005	1.73E+03	2.19E+02	3.30E+02
57	ASH POND	11/19/2006	0.401	0.005	1.50E+03	2.19E+02	3.34E+02
57	ASH POND	12/19/2006	0.402	0.005	3.48E+03	2.35E+02	3.28E+02

2006 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	2/13/2006	7005.4	BI-214	5.07E-02	4.73E-03	
1	24.4 MI ESE - FLORENCE - CONTROL	2/13/2006	7005.4	BE-7	1.30E-01	2.22E-02	
1	24.4 MI ESE - FLORENCE - CONTROL	2/13/2006	7005.4	PB-214	4.46E-02	4.00E-03	
1	24.4 MI ESE - FLORENCE - CONTROL	2/13/2006	7005.4	PB-212	2.75E-03	9.89E-04	
1	24.4 MI ESE - FLORENCE - CONTROL	5/14/2006	7477.8	BE-7	1.27E-01	2.14E-02	
1	24.4 MI ESE - FLORENCE - CONTROL	8/14/2006	8089.9	PB-214	7.96E-03	1.55E-03	
1	24.4 MI ESE - FLORENCE - CONTROL	8/14/2006	8089.9	BE-7	1.16E-01	1.54E-02	
1	24.4 MI ESE - FLORENCE - CONTROL	8/14/2006	8089.9	BI-214	5.85E-03	1.72E-03	
1	24.4 MI ESE - FLORENCE - CONTROL	11/13/2006	7812.7	BE-7	1.16E-01	2.10E-02	
2	0.2 MI S - INFORMATION CENTER	2/13/2006	6525.1	RA-226	1.23E-02	1.03E-02	
2	0.2 MI S - INFORMATION CENTER	2/13/2006	6525.1	BI-214	4.07E-03	1.71E-03	
2	0.2 MI S - INFORMATION CENTER	2/13/2006	6525.1	BE-7	1.34E-01	1.95E-02	
2	0.2 MI S - INFORMATION CENTER	2/13/2006	6525.1	PB-214	7.15E-03	1.63E-03	
2	0.2 MI S - INFORMATION CENTER	5/14/2006	7604.8	BE-7	1.37E-01	2.10E-02	
2	0.2 MI S - INFORMATION CENTER	5/14/2006	7604.8	K-40	1.27E-02	8.96E-03	
2	0.2 MI S - INFORMATION CENTER	5/14/2006	7604.8	PB-214	1.54E-03	1.11E-03	
2	0.2 MI S - INFORMATION CENTER	8/14/2006	8067	BI-214	1.51E-03	1.17E-03	
2	0.2 MI S - INFORMATION CENTER	8/14/2006	8067	TL-208	5.46E-04	3.51E-04	
2	0.2 MI S - INFORMATION CENTER	8/14/2006	8067	PB-214	2.31E-03	1.05E-03	
2	0.2 MI S - INFORMATION CENTER	8/14/2006	8067	BE-7	1.29E-01	1.74E-02	
2	0.2 MI S - INFORMATION CENTER	11/13/2006	7879.5	BE-7	1.23E-01	2.18E-02	
2	0.2 MI S - INFORMATION CENTER	11/13/2006	7879.5	PB-214	2.58E-03	1.28E-03	
3	0.5 MI N - MICROWAVE TOWER	2/13/2006	6986.9	BE-7	1.27E-01	2.02E-02	
3	0.5 MI N - MICROWAVE TOWER	5/14/2006	8277.3	BE-7	1.41E-01	1.85E-02	
3	0.5 MI N - MICROWAVE TOWER	5/14/2006	8277.3	BI-214	1.32E-03	8.45E-04	
3	0.5 MI N - MICROWAVE TOWER	5/14/2006	8277.3	PB-214	8.64E-04	7.43E-04	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
3	0.5 MI N - MICROWAVE TOWER	8/14/2006	7803.1	BE-7	1.17E-01	2.21E-02	
3	0.5 MI N - MICROWAVE TOWER	8/14/2006	7803.1	PB-212	2.16E-03	1.25E-03	
3	0.5 MI N - MICROWAVE TOWER	11/13/2006	7113.6	BE-7	1.15E-01	2.07E-02	
3	0.5 MI N - MICROWAVE TOWER	11/13/2006	7113.6	BI-214	2.60E-03	1.37E-03	
3	0.5 MI N - MICROWAVE TOWER	11/13/2006	7113.6	PB-214	1.76E-03	1.25E-03	
4	0.4 MI ESE - SPILLWAY	2/13/2006	6793.6	BE-7	1.18E-01	1.93E-02	
4	0.4 MI ESE - SPILLWAY	5/14/2006	8260.6	PB-214	9.87E-03	2.04E-03	
4	0.4 MI ESE - SPILLWAY	5/14/2006	8260.6	BI-214	1.05E-02	2.08E-03	
4	0.4 MI ESE - SPILLWAY	5/14/2006	8260.6	K-40	1.09E-02	8.11E-03	
4	0.4 MI ESE - SPILLWAY	5/14/2006	8260.6	BE-7	1.32E-01	1.89E-02	
4	0.4 MI ESE - SPILLWAY	8/14/2006	7746.5	PB-214	2.13E-02	2.81E-03	
4	0.4 MI ESE - SPILLWAY	8/14/2006	7746.5	BI-214	2.30E-02	2.98E-03	
4	0.4 MI ESE - SPILLWAY	8/14/2006	7746.5	PB-212	1.90E-03	8.43E-04	
4	0.4 MI ESE - SPILLWAY	8/14/2006	7746.5	K-40	2.38E-02	8.83E-03	
4	0.4 MI ESE - SPILLWAY	8/14/2006	7746.5	BE-7	1.12E-01	1.82E-02	
4	0.4 MI ESE - SPILLWAY	11/13/2006	6995.4	BE-7	1.26E-01	2.24E-02	
4	0.4 MI ESE - SPILLWAY	11/13/2006	6995.4	PB-214	1.26E-03	8.64E-04	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	2/13/2006	6994	BE-7	1.18E-01	1.68E-02	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	2/13/2006	6994	K-40	1.20E-02	9.23E-03	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	5/14/2006	8174.8	BE-7	1.41E-01	1.94E-02	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	8/14/2006	8811.4	K-40	8.05E-03	7.02E-03	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	8/14/2006	8811.4	BE-7	1.11E-01	1.70E-02	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	8/14/2006	8811.4	PB-212	1.06E-03	6.12E-04	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	8/14/2006	8811.4	BI-214	1.12E-02	2.30E-03	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	8/14/2006	8811.4	PB-214	1.05E-02	1.88E-03	
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	11/13/2006	8616.9	K-40	2.52E-02	1.04E-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
5	0.9 MI ENE - EAST SHORE OF LAKE NEAR JOHN	11/13/2006	8616.9	BE-7	1.27E-01	1.61E-02	
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/13/2006	6598.2	BI-214	2.08E-02	3.61E-03	
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/13/2006	6598.2	PB-212	1.71E-03	1.16E-03	
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/13/2006	6598.2	BE-7	1.41E-01	2.43E-02	
6	0.2 MI SSW - NEAR INFORMATION CENTER	2/13/2006	6598.2	PB-214	1.77E-02	3.06E-03	
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/14/2006	7256.7	PB-214	1.36E-03	1.15E-03	
6	0.2 MI SSW - NEAR INFORMATION CENTER	5/14/2006	7256.7	BE-7	1.64E-01	2.12E-02	
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/14/2006	7484.8	BI-214	1.79E-03	1.77E-03	
6	0.2 MI SSW - NEAR INFORMATION CENTER	8/14/2006	7484.8	BE-7	1.25E-01	2.32E-02	
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/13/2006	7418	PB-212	1.50E-03	8.74E-04	
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/13/2006	7418	BE-7	1.23E-01	1.89E-02	
6	0.2 MI SSW - NEAR INFORMATION CENTER	11/13/2006	7418	K-40	2.12E-02	1.46E-02	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/13/2006	6840.5	BE-7	1.29E-01	1.87E-02	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/13/2006	6840.5	PB-214	1.52E-03	1.11E-03	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	2/13/2006	6840.5	K-40	2.16E-02	1.13E-02	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/14/2006	7603.2	BI-214	5.73E-03	1.78E-03	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/14/2006	7603.2	PB-214	4.72E-03	1.63E-03	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	5/14/2006	7603.2	BE-7	1.61E-01	2.21E-02	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	8/14/2006	7757.2	BE-7	9.87E-02	1.82E-02	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	8/14/2006	7757.2	BI-214	3.26E-03	1.68E-03	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	8/14/2006	7757.2	PB-214	4.74E-03	1.70E-03	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/13/2006	7465.4	PB-212	1.00E-03	8.92E-04	
7	6.4 MI ESE - CP&L FACILITY ON RR AVE., HART	11/13/2006	7465.4	BE-7	1.13E-01	1.91E-02	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/13/2006	7077	BI-214	1.47E-03	1.21E-03	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	2/13/2006	7077	BE-7	1.33E-01	1.96E-02	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	5/14/2006	7490.7	BE-7	1.64E-01	2.25E-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
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/14/2006	7175.3	PB-214	1.79E-03	9.09E-04	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/14/2006	7175.3	BI-214	1.08E-03	1.04E-03	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/14/2006	7175.3	PB-212	8.62E-04	6.60E-04	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	8/14/2006	7175.3	BE-7	1.23E-01	1.83E-02	
55	0.2 MI SSE - SOUTH OF WEST SETTLING POND	11/13/2006	7322.3	BE-7	1.09E-01	2.13E-02	
60	0.2 MI SE - ROBINSON PICNIC AREA	2/13/2006	6536	BE-7	1.31E-01	2.02E-02	
60	0.2 MI SE - ROBINSON PICNIC AREA	2/13/2006	6536	PB-212	9.91E-04	8.46E-04	
60	0.2 MI SE - ROBINSON PICNIC AREA	2/13/2006	6536	BI-214	9.16E-03	2.35E-03	
60	0.2 MI SE - ROBINSON PICNIC AREA	2/13/2006	6536	PB-214	6.42E-03	2.08E-03	
60	0.2 MI SE - ROBINSON PICNIC AREA	5/14/2006	6603.7	BE-7	1.62E-01	2.16E-02	
60	0.2 MI SE - ROBINSON PICNIC AREA	5/14/2006	6603.7	PB-214	1.43E-03	9.99E-04	
60	0.2 MI SE - ROBINSON PICNIC AREA	8/14/2006	6846.4	BE-7	1.35E-01	2.26E-02	
60	0.2 MI SE - ROBINSON PICNIC AREA	11/13/2006	6340.1	PB-214	2.63E-03	1.47E-03	
60	0.2 MI SE - ROBINSON PICNIC AREA	11/13/2006	6340.1	BE-7	1.49E-01	2.04E-02	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	2/13/2006	6332.8	BE-7	1.44E-01	2.18E-02	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	2/13/2006	6332.8	PB-214	2.36E-03	1.38E-03	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/14/2006	7300.4	BE-7	1.34E-01	2.19E-02	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/14/2006	7300.4	PB-214	2.27E-03	1.35E-03	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	5/14/2006	7300.4	PB-212	8.72E-04	6.25E-04	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	8/14/2006	7779.8	BE-7	1.15E-01	1.87E-02	
61	0.3 MI WSW - WEST PARKING LOT NEAR RR TR	11/13/2006	7289.2	BE-7	1.29E-01	2.15E-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	5/15/2006	600.6	K-40	9.65E-01	2.58E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/15/2006	600.6	TL-208	3.23E-02	2.11E-02	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/15/2006	600.6	PB-212	8.86E-02	3.06E-02	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/15/2006	600.6	BI-214	5.87E-02	3.16E-02	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/15/2006	600.6	PB-214	7.88E-02	3.01E-02	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/15/2006	600.6	AC-228	1.46E-01	5.92E-02	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/15/2006	600.6	BE-7	3.27E-01	1.08E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/16/2006	884.1	BE-7	3.04E+00	2.36E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/16/2006	884.1	AC-228	6.34E-01	9.34E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/16/2006	884.1	RA-226	1.33E+00	4.83E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/16/2006	884.1	PB-214	1.64E-01	3.67E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/16/2006	884.1	BI-214	1.75E-01	4.18E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/16/2006	884.1	PB-212	2.54E-01	2.59E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/16/2006	884.1	BI-212	2.48E-01	1.17E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/16/2006	884.1	K-40	1.65E+00	2.93E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/16/2006	884.1	CS-137	3.88E-02	1.82E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/16/2006	884.1	TL-208	7.71E-02	1.97E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/17/2006	1045.4	AC-228	1.79E+00	1.35E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/17/2006	1045.4	TL-208	1.17E-01	2.56E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/17/2006	1045.4	BI-212	3.59E-01	1.90E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/17/2006	1045.4	PB-212	3.27E-01	3.03E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/17/2006	1045.4	BI-214	9.26E-01	6.17E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/17/2006	1045.4	PB-214	1.03E+00	6.50E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/17/2006	1045.4	RA-226	3.44E+00	5.20E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/17/2006	1045.4	K-40	6.54E-01	2.32E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/17/2006	1045.4	BE-7	1.97E+00	2.07E-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	5/15/2006	405.9	RA-226	5.67E+00	6.88E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/15/2006	405.9	PB-214	3.80E-01	6.12E-02	
54	10.1 MI E - AUBURNDALE PLANTATION	5/15/2006	405.9	BI-214	3.42E-01	6.24E-02	
54	10.1 MI E - AUBURNDALE PLANTATION	5/15/2006	405.9	PB-212	4.48E-01	3.95E-02	
54	10.1 MI E - AUBURNDALE PLANTATION	5/15/2006	405.9	BI-212	4.22E-01	1.99E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/15/2006	405.9	TL-208	1.68E-01	3.22E-02	
54	10.1 MI E - AUBURNDALE PLANTATION	5/15/2006	405.9	BE-7	1.05E+00	2.74E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/15/2006	405.9	AC-228	3.03E+00	1.70E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/15/2006	405.9	K-40	1.59E+00	3.24E-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	5/15/2006	676.5	AC-228	2.26E+00	3.25E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/15/2006	676.5	TL-208	7.14E-01	1.13E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/15/2006	676.5	BI-212	1.61E+00	6.26E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/15/2006	676.5	PB-212	2.29E+00	1.55E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/15/2006	676.5	BI-214	1.71E+00	1.96E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/15/2006	676.5	PB-214	1.80E+00	1.87E-01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/15/2006	676.5	RA-226	3.11E+00	1.56E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/15/2006	676.5	K-40	2.28E+00	7.73E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/16/2006	613.6	AC-228	1.20E+00	2.44E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/16/2006	613.6	RA-226	4.67E+00	1.68E+00	
45	SITE VARIES WITHIN LAKE ROBINSON	5/16/2006	613.6	PB-214	1.81E+00	2.07E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/16/2006	613.6	BI-214	1.58E+00	1.98E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/16/2006	613.6	PB-212	1.00E+00	1.23E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/16/2006	613.6	CO-60	1.57E-01	6.48E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/16/2006	613.6	K-40	1.91E+00	6.38E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	5/16/2006	613.6	CS-137	4.64E-01	8.60E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/16/2006	613.6	TL-208	3.97E-01	9.65E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/17/2006	376.8	AC-228	9.50E-01	3.38E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/17/2006	376.8	K-40	1.33E+00	8.85E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/17/2006	376.8	CS-137	5.32E-01	1.07E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/17/2006	376.8	RA-226	5.67E+00	2.06E+00	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/17/2006	376.8	PB-214	1.16E+00	2.48E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/17/2006	376.8	BI-214	1.20E+00	2.13E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/17/2006	376.8	PB-212	9.32E-01	1.39E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/17/2006	376.8	BI-212	1.11E+00	6.17E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/17/2006	376.8	TL-208	3.41E-01	1.14E-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	5/15/2006	1174	AC-228	2.02E+00	1.99E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/15/2006	1174	TL-208	5.37E-01	5.32E-02	
54	10.1 MI E - AUBURNDALE PLANTATION	5/15/2006	1174	BI-212	1.12E+00	3.29E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/15/2006	1174	PB-212	1.68E+00	8.50E-02	
54	10.1 MI E - AUBURNDALE PLANTATION	5/15/2006	1174	BI-214	1.42E+00	1.26E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/15/2006	1174	PB-214	1.36E+00	1.22E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/15/2006	1174	RA-226	2.70E+00	8.41E-01	
54	10.1 MI E - AUBURNDALE PLANTATION	5/15/2006	1174	K-40	3.99E+00	5.34E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: CHERRY

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
50	SSE - CLOSE TO SITE BOUNDARY	5/11/2006	445	BE-7	2.21E-01	1.64E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/11/2006	445	CS-134	<LLD		1.92E-02
50	SSE - CLOSE TO SITE BOUNDARY	5/11/2006	445	CS-137	2.47E-02	2.10E-02	
50	SSE - CLOSE TO SITE BOUNDARY	5/11/2006	445	I-131	<LLD		1.99E-02
50	SSE - CLOSE TO SITE BOUNDARY	5/11/2006	445	K-40	3.39E+00	4.58E-01	
50	SSE - CLOSE TO SITE BOUNDARY	6/4/2006	506.6	BE-7	3.68E-01	1.33E-01	
50	SSE - CLOSE TO SITE BOUNDARY	6/4/2006	506.6	CS-134	<LLD		1.92E-02
50	SSE - CLOSE TO SITE BOUNDARY	6/4/2006	506.6	CS-137	3.01E-02	1.81E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/4/2006	506.6	I-131	<LLD		1.91E-02
50	SSE - CLOSE TO SITE BOUNDARY	6/4/2006	506.6	K-40	3.22E+00	4.31E-01	
50	SSE - CLOSE TO SITE BOUNDARY	6/4/2006	506.6	PB-212	2.84E-02	2.03E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/4/2006	506.6	TL-208	1.88E-02	1.47E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2006	456.7	AC-228	1.49E-01	6.28E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2006	456.7	BE-7	4.45E-01	1.35E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2006	456.7	BI-214	3.89E-02	3.23E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2006	456.7	CS-134	<LLD		2.10E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: CHERRY

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2006	456.7	CS-137	<LLD		1.32E-02
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2006	456.7	I-131	<LLD		2.11E-02
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2006	456.7	K-40	2.54E+00	3.99E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2006	456.7	PB-212	2.17E-02	2.01E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2006	456.7	PB-214	4.41E-02	3.37E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2006	456.7	RA-226	4.73E-01	3.67E-01	
50	SSE - CLOSE TO SITE BOUNDARY	8/15/2006	537	BE-7	4.58E-01	1.74E-01	
50	SSE - CLOSE TO SITE BOUNDARY	8/15/2006	537	CS-134	<LLD		2.30E-02
50	SSE - CLOSE TO SITE BOUNDARY	8/15/2006	537	CS-137	4.67E-02	2.18E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/15/2006	537	I-131	<LLD		2.16E-02
50	SSE - CLOSE TO SITE BOUNDARY	8/15/2006	537	K-40	1.54E+00	4.20E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2006	491.9	BE-7	7.15E-01	1.90E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2006	491.9	CS-134	<LLD		2.35E-02
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2006	491.9	CS-137	<LLD		2.88E-02
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2006	491.9	I-131	<LLD		2.35E-02
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2006	491.9	K-40	1.39E+00	4.10E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: CHERRY

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2006	491.9	PB-214	6.82E-02	5.09E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/15/2006	502.3	AC-228	1.85E-01	7.89E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/15/2006	502.3	BE-7	7.11E-01	1.70E-01	
50	SSE - CLOSE TO SITE BOUNDARY	10/15/2006	502.3	BI-214	4.00E-02	3.19E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/15/2006	502.3	CS-134	<LLD		2.35E-02
50	SSE - CLOSE TO SITE BOUNDARY	10/15/2006	502.3	CS-137	2.94E-02	1.63E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/15/2006	502.3	I-131	<LLD		1.81E-02
50	SSE - CLOSE TO SITE BOUNDARY	10/15/2006	502.3	K-40	2.18E+00	3.32E-01	
51	SSW - CLOSE TO SITE BOUNDARY	5/11/2006	446.7	BE-7	2.41E-01	2.38E-01	
51	SSW - CLOSE TO SITE BOUNDARY	5/11/2006	446.7	CS-134	<LLD		2.58E-02
51	SSW - CLOSE TO SITE BOUNDARY	5/11/2006	446.7	CS-137	<LLD		2.82E-02
51	SSW - CLOSE TO SITE BOUNDARY	5/11/2006	446.7	I-131	<LLD		3.16E-02
51	SSW - CLOSE TO SITE BOUNDARY	5/11/2006	446.7	K-40	3.19E+00	5.44E-01	
51	SSW - CLOSE TO SITE BOUNDARY	5/11/2006	446.7	TL-208	2.45E-02	2.09E-02	
51	SSW - CLOSE TO SITE BOUNDARY	6/4/2006	504.2	BE-7	5.06E-01	1.23E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/4/2006	504.2	BI-214	8.35E-02	3.71E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: CHERRY

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
51	SSW - CLOSE TO SITE BOUNDARY	6/4/2006	504.2	CS-134	<LLD		2.13E-02
51	SSW - CLOSE TO SITE BOUNDARY	6/4/2006	504.2	CS-137	<LLD		1.80E-02
51	SSW - CLOSE TO SITE BOUNDARY	6/4/2006	504.2	I-131	<LLD		1.76E-02
51	SSW - CLOSE TO SITE BOUNDARY	6/4/2006	504.2	K-40	2.60E+00	4.10E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/4/2006	504.2	PB-214	8.10E-02	3.33E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2006	491.7	BE-7	3.18E-01	1.45E-01	
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2006	491.7	CS-134	<LLD		2.70E-02
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2006	491.7	CS-137	<LLD		2.43E-02
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2006	491.7	I-131	<LLD		2.91E-02
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2006	491.7	K-40	4.80E+00	6.05E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/15/2006	459.6	AC-228	2.22E-01	7.26E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/15/2006	459.6	BE-7	1.23E-01	9.01E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/15/2006	459.6	CS-134	<LLD		2.55E-02
51	SSW - CLOSE TO SITE BOUNDARY	8/15/2006	459.6	CS-137	<LLD		1.98E-02
51	SSW - CLOSE TO SITE BOUNDARY	8/15/2006	459.6	I-131	<LLD		1.62E-02
51	SSW - CLOSE TO SITE BOUNDARY	8/15/2006	459.6	K-40	5.96E+00	5.52E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: CHERRY

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
51	SSW - CLOSE TO SITE BOUNDARY	8/15/2006	459.6	RA-226	4.34E-01	3.94E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2006	444.4	CS-134	<LLD		2.87E-02
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2006	444.4	CS-137	<LLD		2.97E-02
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2006	444.4	I-131	<LLD		3.14E-02
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2006	444.4	K-40	5.20E+00	6.36E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2006	444.4	PB-212	5.70E-02	3.91E-02	
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2006	444.4	PB-214	8.32E-02	5.85E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	443.7	AC-228	2.12E-01	7.98E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	443.7	BE-7	3.02E-01	1.91E-01	
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	443.7	CS-134	<LLD		2.25E-02
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	443.7	CS-137	<LLD		2.45E-02
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	443.7	I-131	<LLD		2.36E-02
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	443.7	K-40	4.46E+00	5.43E-01	
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	443.7	PB-212	5.02E-02	3.78E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	443.7	RA-226	3.70E-01	3.69E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/11/2006	444.1	BE-7	2.90E-01	1.43E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: CHERRY

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
52	10 MI W - NEAR BETHUNE - CONTROL	5/11/2006	444.1	CS-134	<LLD		2.47E-02
52	10 MI W - NEAR BETHUNE - CONTROL	5/11/2006	444.1	CS-137	<LLD		2.21E-02
52	10 MI W - NEAR BETHUNE - CONTROL	5/11/2006	444.1	I-131	<LLD		2.62E-02
52	10 MI W - NEAR BETHUNE - CONTROL	5/11/2006	444.1	K-40	3.18E+00	4.30E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	6/4/2006	466.9	BE-7	5.03E-01	1.74E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	6/4/2006	466.9	CS-134	<LLD		1.94E-02
52	10 MI W - NEAR BETHUNE - CONTROL	6/4/2006	466.9	CS-137	<LLD		2.31E-02
52	10 MI W - NEAR BETHUNE - CONTROL	6/4/2006	466.9	I-131	<LLD		1.86E-02
52	10 MI W - NEAR BETHUNE - CONTROL	6/4/2006	466.9	K-40	2.71E+00	4.01E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/12/2006	483.8	BE-7	6.48E-01	1.65E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/12/2006	483.8	CS-134	<LLD		2.20E-02
52	10 MI W - NEAR BETHUNE - CONTROL	7/12/2006	483.8	CS-137	<LLD		2.04E-02
52	10 MI W - NEAR BETHUNE - CONTROL	7/12/2006	483.8	I-131	<LLD		1.65E-02
52	10 MI W - NEAR BETHUNE - CONTROL	7/12/2006	483.8	K-40	2.50E+00	3.64E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/12/2006	483.8	PB-214	5.70E-02	3.42E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	7/12/2006	483.8	RA-226	3.45E-01	3.42E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: CHERRY

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
52	10 MI W - NEAR BETHUNE - CONTROL	8/15/2006	492.2	BE-7	5.53E-01	1.42E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/15/2006	492.2	BI-212	1.56E-01	1.41E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/15/2006	492.2	CS-134	<LLD		1.95E-02
52	10 MI W - NEAR BETHUNE - CONTROL	8/15/2006	492.2	CS-137	<LLD		1.79E-02
52	10 MI W - NEAR BETHUNE - CONTROL	8/15/2006	492.2	I-131	<LLD		1.62E-02
52	10 MI W - NEAR BETHUNE - CONTROL	8/15/2006	492.2	K-40	1.86E+00	3.66E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2006	419.1	AC-228	3.93E-01	8.63E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2006	419.1	BE-7	1.74E+00	2.67E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2006	419.1	CS-134	<LLD		2.96E-02
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2006	419.1	CS-137	<LLD		2.11E-02
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2006	419.1	I-131	<LLD		2.38E-02
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2006	419.1	K-40	2.19E+00	4.37E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2006	419.1	PB-212	3.02E-02	2.89E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2006	419.1	RA-226	4.86E-01	3.85E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	10/15/2006	551.2	AC-228	8.21E-02	5.46E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	10/15/2006	551.2	BE-7	1.02E+00	1.96E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: CHERRY

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
52	10 MI W - NEAR BETHUNE - CONTROL	10/15/2006	551.2	CS-134	<LLD		1.58E-02
52	10 MI W - NEAR BETHUNE - CONTROL	10/15/2006	551.2	CS-137	2.02E-02	1.38E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	10/15/2006	551.2	I-131	<LLD		1.76E-02
52	10 MI W - NEAR BETHUNE - CONTROL	10/15/2006	551.2	K-40	2.35E+00	3.75E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	10/15/2006	551.2	PB-212	2.50E-02	2.47E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	10/15/2006	551.2	RA-226	3.31E-01	2.97E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/11/2006	446.5	AC-228	1.66E-01	7.74E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/11/2006	446.5	BE-7	3.11E-01	1.63E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/11/2006	446.5	CS-134	<LLD		2.34E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/11/2006	446.5	CS-137	<LLD		2.05E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/11/2006	446.5	I-131	<LLD		2.67E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/11/2006	446.5	K-40	3.68E+00	4.71E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/11/2006	446.5	PB-212	3.89E-02	2.21E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/11/2006	446.5	TL-208	2.36E-02	2.18E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/4/2006	532.8	BE-7	1.43E-01	1.18E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/4/2006	532.8	CS-134	<LLD		2.07E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: CHERRY

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/4/2006	532.8	CS-137	2.86E-02	2.25E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/4/2006	532.8	I-131	<LLD		1.88E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/4/2006	532.8	K-40	2.75E+00	3.73E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/4/2006	532.8	TL-208	1.32E-02	1.21E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/12/2006	501.5	AC-228	1.92E-01	8.47E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/12/2006	501.5	BE-7	9.36E-01	2.10E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/12/2006	501.5	CS-134	<LLD		2.69E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/12/2006	501.5	CS-137	3.80E-02	1.91E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/12/2006	501.5	I-131	<LLD		2.13E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/12/2006	501.5	K-40	2.40E+00	4.57E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/12/2006	501.5	RA-226	4.05E-01	3.86E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/15/2006	490.9	BE-7	2.63E-01	1.30E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/15/2006	490.9	BI-214	5.88E-02	3.88E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/15/2006	490.9	CS-134	<LLD		1.89E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/15/2006	490.9	CS-137	<LLD		2.12E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/15/2006	490.9	I-131	<LLD		1.68E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: CHERRY

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/15/2006	490.9	K-40	2.66E+00	4.17E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/15/2006	490.9	PB-214	6.17E-02	4.22E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/14/2006	499.7	BE-7	8.36E-01	1.80E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/14/2006	499.7	CS-134	<LLD		1.67E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/14/2006	499.7	CS-137	<LLD		1.84E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/14/2006	499.7	I-131	<LLD		2.38E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/14/2006	499.7	K-40	2.29E+00	3.40E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/14/2006	499.7	RA-226	3.92E-01	3.46E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/15/2006	545.1	BE-7	1.24E+00	1.71E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/15/2006	545.1	BI-214	5.75E-02	2.96E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/15/2006	545.1	CS-134	<LLD		2.06E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/15/2006	545.1	CS-137	<LLD		1.86E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/15/2006	545.1	I-131	<LLD		1.94E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/15/2006	545.1	K-40	1.98E+00	3.57E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/15/2006	545.1	PB-212	2.92E-02	1.87E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/15/2006	545.1	PB-214	3.83E-02	2.76E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: SASSAFRAS

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
50	SSE - CLOSE TO SITE BOUNDARY	5/11/2006	499.4	AC-228	5.28E-02	5.05E-02	
50	SSE - CLOSE TO SITE BOUNDARY	5/11/2006	499.4	BE-7	3.09E-01	1.45E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/11/2006	499.4	CS-134	<LLD		1.37E-02
50	SSE - CLOSE TO SITE BOUNDARY	5/11/2006	499.4	CS-137	<LLD		2.16E-02
50	SSE - CLOSE TO SITE BOUNDARY	5/11/2006	499.4	I-131	<LLD		2.04E-02
50	SSE - CLOSE TO SITE BOUNDARY	5/11/2006	499.4	K-40	3.27E+00	3.99E-01	
50	SSE - CLOSE TO SITE BOUNDARY	6/4/2006	457.8	AC-228	7.97E-02	6.39E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/4/2006	457.8	BE-7	9.19E-01	1.65E-01	
50	SSE - CLOSE TO SITE BOUNDARY	6/4/2006	457.8	CS-134	<LLD		2.46E-02
50	SSE - CLOSE TO SITE BOUNDARY	6/4/2006	457.8	CS-137	2.07E-02	1.56E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/4/2006	457.8	I-131	<LLD		2.14E-02
50	SSE - CLOSE TO SITE BOUNDARY	6/4/2006	457.8	K-40	2.92E+00	4.16E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2006	452.9	BE-7	8.26E-01	1.90E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2006	452.9	BI-214	1.21E-01	4.32E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2006	452.9	CS-134	<LLD		2.35E-02
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2006	452.9	CS-137	7.30E-02	2.52E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: SASSAFRAS

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2006	452.9	I-131	<LLD		2.50E-02
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2006	452.9	K-40	2.47E+00	4.95E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2006	452.9	PB-214	6.40E-02	5.18E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/15/2006	449.5	BE-7	1.68E+00	2.69E-01	
50	SSE - CLOSE TO SITE BOUNDARY	8/15/2006	449.5	CS-134	<LLD		2.68E-02
50	SSE - CLOSE TO SITE BOUNDARY	8/15/2006	449.5	CS-137	4.80E-02	2.08E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/15/2006	449.5	I-131	<LLD		2.56E-02
50	SSE - CLOSE TO SITE BOUNDARY	8/15/2006	449.5	K-40	2.34E+00	4.88E-01	
50	SSE - CLOSE TO SITE BOUNDARY	8/15/2006	449.5	PB-212	8.09E-02	3.49E-02	
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2006	428	BE-7	1.30E+00	1.93E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2006	428	CS-134	<LLD		1.88E-02
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2006	428	CS-137	6.44E-02	2.44E-02	
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2006	428	I-131	<LLD		2.28E-02
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2006	428	K-40	1.56E+00	4.00E-01	
50	SSE - CLOSE TO SITE BOUNDARY	10/15/2006	408.5	BE-7	1.26E+00	2.91E-01	
50	SSE - CLOSE TO SITE BOUNDARY	10/15/2006	408.5	BI-214	5.15E-02	3.80E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: SASSAFRAS

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
50	SSE - CLOSE TO SITE BOUNDARY	10/15/2006	408.5	CS-134	<LLD		2.76E-02
50	SSE - CLOSE TO SITE BOUNDARY	10/15/2006	408.5	CS-137	6.54E-02	2.67E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/15/2006	408.5	I-131	<LLD		3.19E-02
50	SSE - CLOSE TO SITE BOUNDARY	10/15/2006	408.5	K-40	1.43E+00	4.76E-01	
50	SSE - CLOSE TO SITE BOUNDARY	10/15/2006	408.5	PB-212	3.36E-02	3.05E-02	
51	SSW - CLOSE TO SITE BOUNDARY	5/11/2006	509.8	AC-228	1.32E-01	4.69E-02	
51	SSW - CLOSE TO SITE BOUNDARY	5/11/2006	509.8	BE-7	3.14E-01	1.61E-01	
51	SSW - CLOSE TO SITE BOUNDARY	5/11/2006	509.8	CS-134	<LLD		2.13E-02
51	SSW - CLOSE TO SITE BOUNDARY	5/11/2006	509.8	CS-137	3.71E-02	1.90E-02	
51	SSW - CLOSE TO SITE BOUNDARY	5/11/2006	509.8	I-131	<LLD		2.16E-02
51	SSW - CLOSE TO SITE BOUNDARY	5/11/2006	509.8	K-40	2.98E+00	4.04E-01	
51	SSW - CLOSE TO SITE BOUNDARY	5/11/2006	509.8	PB-212	2.76E-02	2.68E-02	
51	SSW - CLOSE TO SITE BOUNDARY	6/4/2006	471.4	BE-7	1.12E+00	2.20E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/4/2006	471.4	CS-134	<LLD		2.09E-02
51	SSW - CLOSE TO SITE BOUNDARY	6/4/2006	471.4	CS-137	1.03E-01	2.33E-02	
51	SSW - CLOSE TO SITE BOUNDARY	6/4/2006	471.4	I-131	<LLD		1.89E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: SASSAFRAS

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
51	SSW - CLOSE TO SITE BOUNDARY	6/4/2006	471.4	K-40	2.66E+00	4.18E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/4/2006	471.4	PB-214	4.60E-02	3.16E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2006	439	BE-7	7.54E-01	1.82E-01	
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2006	439	CS-134	<LLD		2.51E-02
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2006	439	CS-137	3.45E-02	1.82E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2006	439	I-131	<LLD		2.11E-02
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2006	439	K-40	2.83E+00	4.41E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/15/2006	451.6	BE-7	6.21E-01	1.99E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/15/2006	451.6	CS-134	<LLD		2.70E-02
51	SSW - CLOSE TO SITE BOUNDARY	8/15/2006	451.6	CS-137	<LLD		2.39E-02
51	SSW - CLOSE TO SITE BOUNDARY	8/15/2006	451.6	I-131	<LLD		2.57E-02
51	SSW - CLOSE TO SITE BOUNDARY	8/15/2006	451.6	K-40	1.79E+00	4.60E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2006	463.4	BE-7	6.51E-01	1.95E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2006	463.4	CS-134	<LLD		2.38E-02
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2006	463.4	CS-137	<LLD		2.92E-02
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2006	463.4	I-131	<LLD		2.98E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: SASSAFRAS

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2006	463.4	K-40	1.06E+00	4.39E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2006	463.4	PB-212	3.46E-02	3.09E-02	
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2006	463.4	TL-208	2.67E-02	1.90E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	375.1	BE-7	1.12E+00	2.10E-01	
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	375.1	BI-214	7.65E-02	4.42E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	375.1	CS-134	<LLD		2.73E-02
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	375.1	CS-137	<LLD		2.47E-02
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	375.1	I-131	<LLD		2.33E-02
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	375.1	K-40	2.15E+00	4.63E-01	
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	375.1	PB-212	2.70E-02	2.62E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	375.1	PB-214	4.68E-02	4.02E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	375.1	RA-226	8.47E-01	5.65E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/11/2006	516.5	BE-7	4.81E-01	2.16E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/11/2006	516.5	CS-134	<LLD		2.73E-02
52	10 MI W - NEAR BETHUNE - CONTROL	5/11/2006	516.5	CS-137	1.93E-01	3.22E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	5/11/2006	516.5	I-131	<LLD		2.90E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: SASSAFRAS

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
52	10 MI W - NEAR BETHUNE - CONTROL	5/11/2006	516.5	K-40	2.61E+00	4.72E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	6/4/2006	538.7	BE-7	6.48E-01	1.55E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	6/4/2006	538.7	CS-134	<LLD		1.80E-02
52	10 MI W - NEAR BETHUNE - CONTROL	6/4/2006	538.7	CS-137	6.01E-02	1.66E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	6/4/2006	538.7	I-131	<LLD		1.73E-02
52	10 MI W - NEAR BETHUNE - CONTROL	6/4/2006	538.7	K-40	2.53E+00	3.71E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/12/2006	480	BE-7	1.04E+00	2.26E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/12/2006	480	CS-134	<LLD		2.79E-02
52	10 MI W - NEAR BETHUNE - CONTROL	7/12/2006	480	CS-137	5.04E-02	2.74E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	7/12/2006	480	I-131	<LLD		2.34E-02
52	10 MI W - NEAR BETHUNE - CONTROL	7/12/2006	480	K-40	1.78E+00	4.62E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/12/2006	480	PB-212	7.32E-02	4.05E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	7/12/2006	480	RA-226	5.34E-01	4.72E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/15/2006	464.3	BE-7	1.29E+00	2.17E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/15/2006	464.3	BI-214	6.63E-02	4.11E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	8/15/2006	464.3	CS-134	<LLD		1.71E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: SASSAFRAS

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
52	10 MI W - NEAR BETHUNE - CONTROL	8/15/2006	464.3	CS-137	8.05E-02	2.60E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	8/15/2006	464.3	I-131	<LLD		1.85E-02
52	10 MI W - NEAR BETHUNE - CONTROL	8/15/2006	464.3	K-40	3.53E+00	4.74E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/15/2006	464.3	PB-214	7.03E-02	4.67E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2006	466.7	BE-7	2.23E+00	2.47E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2006	466.7	CS-134	<LLD		1.88E-02
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2006	466.7	CS-137	3.58E-02	2.07E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2006	466.7	I-131	<LLD		2.64E-02
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2006	466.7	K-40	1.94E+00	4.13E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	10/15/2006	380.3	BE-7	1.06E+00	2.61E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	10/15/2006	380.3	CS-134	<LLD		3.53E-02
52	10 MI W - NEAR BETHUNE - CONTROL	10/15/2006	380.3	CS-137	1.03E-01	3.33E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	10/15/2006	380.3	I-131	<LLD		3.47E-02
52	10 MI W - NEAR BETHUNE - CONTROL	10/15/2006	380.3	K-40	1.31E+00	4.78E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/11/2006	467.8	BE-7	3.49E-01	1.54E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/11/2006	467.8	BI-214	3.57E-02	3.07E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: SASSAFRAS

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/11/2006	467.8	CS-134	<LLD		1.86E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/11/2006	467.8	CS-137	3.93E-02	1.55E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/11/2006	467.8	I-131	<LLD		2.49E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/11/2006	467.8	K-40	2.82E+00	3.95E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/4/2006	459.6	BE-7	8.68E-01	1.82E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/4/2006	459.6	CS-134	<LLD		1.86E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/4/2006	459.6	CS-137	<LLD		1.97E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/4/2006	459.6	I-131	<LLD		1.56E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/4/2006	459.6	K-40	3.06E+00	4.21E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/12/2006	498.9	AC-228	8.02E-02	5.03E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/12/2006	498.9	BE-7	2.24E-01	1.33E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/12/2006	498.9	CS-134	<LLD		1.99E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/12/2006	498.9	CS-137	<LLD		1.70E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/12/2006	498.9	I-131	<LLD		1.73E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/12/2006	498.9	K-40	2.88E+00	3.97E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/15/2006	455.5	BE-7	6.25E-01	1.78E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: SASSAFRAS

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/15/2006	455.5	CS-134	<LLD		2.14E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/15/2006	455.5	CS-137	4.49E-02	1.52E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/15/2006	455.5	I-131	<LLD		1.81E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/15/2006	455.5	K-40	2.10E+00	3.52E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/14/2006	393.8	BE-7	2.95E+00	3.02E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/14/2006	393.8	CS-134	<LLD		2.22E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/14/2006	393.8	CS-137	<LLD		2.37E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/14/2006	393.8	I-131	<LLD		2.76E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/14/2006	393.8	K-40	2.08E+00	4.21E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/15/2006	413.4	BE-7	1.13E+00	2.67E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/15/2006	413.4	BI-214	1.30E-01	5.21E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/15/2006	413.4	CS-134	<LLD		3.10E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/15/2006	413.4	CS-137	7.46E-02	3.19E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/15/2006	413.4	I-131	<LLD		3.28E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/15/2006	413.4	K-40	1.85E+00	5.70E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/15/2006	413.4	PB-212	5.54E-02	3.47E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: WAX MYRTLE

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
50	SSE - CLOSE TO SITE BOUNDARY	5/11/2006	522.3	BE-7	8.06E-01	2.21E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/11/2006	522.3	CS-134	<LLD		2.62E-02
50	SSE - CLOSE TO SITE BOUNDARY	5/11/2006	522.3	CS-137	<LLD		2.54E-02
50	SSE - CLOSE TO SITE BOUNDARY	5/11/2006	522.3	I-131	<LLD		2.45E-02
50	SSE - CLOSE TO SITE BOUNDARY	5/11/2006	522.3	K-40	1.73E+00	3.89E-01	
50	SSE - CLOSE TO SITE BOUNDARY	5/11/2006	522.3	PB-212	2.80E-02	2.77E-02	
50	SSE - CLOSE TO SITE BOUNDARY	6/4/2006	481.4	BE-7	7.98E-01	2.15E-01	
50	SSE - CLOSE TO SITE BOUNDARY	6/4/2006	481.4	CS-134	<LLD		2.63E-02
50	SSE - CLOSE TO SITE BOUNDARY	6/4/2006	481.4	CS-137	<LLD		2.82E-02
50	SSE - CLOSE TO SITE BOUNDARY	6/4/2006	481.4	I-131	<LLD		2.25E-02
50	SSE - CLOSE TO SITE BOUNDARY	6/4/2006	481.4	K-40	1.49E+00	4.20E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2006	470.6	AC-228	1.41E-01	5.83E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2006	470.6	BE-7	8.92E-01	1.82E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2006	470.6	BI-214	8.58E-02	4.05E-02	
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2006	470.6	CS-134	<LLD		2.00E-02
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2006	470.6	CS-137	<LLD		2.30E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: WAX MYRTLE

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2006	470.6	I-131	<LLD		2.04E-02
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2006	470.6	K-40	2.14E+00	3.56E-01	
50	SSE - CLOSE TO SITE BOUNDARY	7/11/2006	470.6	PB-214	6.50E-02	4.10E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/15/2006	485.4	AC-228	9.90E-02	7.86E-02	
50	SSE - CLOSE TO SITE BOUNDARY	8/15/2006	485.4	BE-7	2.09E+00	2.40E-01	
50	SSE - CLOSE TO SITE BOUNDARY	8/15/2006	485.4	CS-134	<LLD		2.42E-02
50	SSE - CLOSE TO SITE BOUNDARY	8/15/2006	485.4	CS-137	<LLD		2.28E-02
50	SSE - CLOSE TO SITE BOUNDARY	8/15/2006	485.4	I-131	<LLD		2.01E-02
50	SSE - CLOSE TO SITE BOUNDARY	8/15/2006	485.4	K-40	1.44E+00	3.37E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2006	564.9	AC-228	1.05E-01	5.43E-02	
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2006	564.9	BE-7	1.26E+00	1.80E-01	
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2006	564.9	BI-214	3.52E-02	3.02E-02	
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2006	564.9	CS-134	<LLD		1.79E-02
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2006	564.9	CS-137	<LLD		1.53E-02
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2006	564.9	I-131	<LLD		1.97E-02
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2006	564.9	K-40	2.00E+00	2.99E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: WAX MYRTLE

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
50	SSE - CLOSE TO SITE BOUNDARY	9/14/2006	564.9	PB-214	4.07E-02	3.87E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/15/2006	445.6	AC-228	1.11E-01	9.22E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/15/2006	445.6	BE-7	1.67E+00	2.72E-01	
50	SSE - CLOSE TO SITE BOUNDARY	10/15/2006	445.6	BI-214	8.06E-02	4.56E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/15/2006	445.6	CS-134	<LLD		2.70E-02
50	SSE - CLOSE TO SITE BOUNDARY	10/15/2006	445.6	CS-137	<LLD		2.90E-02
50	SSE - CLOSE TO SITE BOUNDARY	10/15/2006	445.6	I-131	<LLD		2.88E-02
50	SSE - CLOSE TO SITE BOUNDARY	10/15/2006	445.6	K-40	8.49E-01	4.22E-01	
50	SSE - CLOSE TO SITE BOUNDARY	10/15/2006	445.6	PB-212	3.20E-02	3.13E-02	
50	SSE - CLOSE TO SITE BOUNDARY	10/15/2006	445.6	PB-214	5.82E-02	4.69E-02	
50	SSE - CLOSE TO SITE BOUNDARY	11/14/2006	474.5	AC-228	1.52E-01	1.05E-01	
50	SSE - CLOSE TO SITE BOUNDARY	11/14/2006	474.5	BE-7	1.02E+00	2.56E-01	
50	SSE - CLOSE TO SITE BOUNDARY	11/14/2006	474.5	BI-214	6.46E-02	4.61E-02	
50	SSE - CLOSE TO SITE BOUNDARY	11/14/2006	474.5	CS-134	<LLD		3.09E-02
50	SSE - CLOSE TO SITE BOUNDARY	11/14/2006	474.5	CS-137	<LLD		2.70E-02
50	SSE - CLOSE TO SITE BOUNDARY	11/14/2006	474.5	I-131	<LLD		2.41E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: WAX MYRTLE

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
50	SSE - CLOSE TO SITE BOUNDARY	11/14/2006	474.5	K-40	2.45E+00	5.05E-01	
50	SSE - CLOSE TO SITE BOUNDARY	11/14/2006	474.5	PB-212	2.43E-01	4.40E-02	
50	SSE - CLOSE TO SITE BOUNDARY	11/14/2006	474.5	PB-214	9.40E-02	5.15E-02	
50	SSE - CLOSE TO SITE BOUNDARY	11/14/2006	474.5	TL-208	9.85E-02	2.99E-02	
51	SSW - CLOSE TO SITE BOUNDARY	5/11/2006	450.8	BE-7	3.13E-01	1.72E-01	
51	SSW - CLOSE TO SITE BOUNDARY	5/11/2006	450.8	CS-134	<LLD		2.64E-02
51	SSW - CLOSE TO SITE BOUNDARY	5/11/2006	450.8	CS-137	<LLD		2.71E-02
51	SSW - CLOSE TO SITE BOUNDARY	5/11/2006	450.8	I-131	<LLD		2.77E-02
51	SSW - CLOSE TO SITE BOUNDARY	5/11/2006	450.8	K-40	2.89E+00	5.39E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/4/2006	511.6	BE-7	8.84E-01	2.34E-01	
51	SSW - CLOSE TO SITE BOUNDARY	6/4/2006	511.6	BI-214	4.37E-02	3.74E-02	
51	SSW - CLOSE TO SITE BOUNDARY	6/4/2006	511.6	CS-134	<LLD		2.61E-02
51	SSW - CLOSE TO SITE BOUNDARY	6/4/2006	511.6	CS-137	<LLD		2.65E-02
51	SSW - CLOSE TO SITE BOUNDARY	6/4/2006	511.6	I-131	<LLD		2.33E-02
51	SSW - CLOSE TO SITE BOUNDARY	6/4/2006	511.6	K-40	2.01E+00	4.19E-01	
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2006	508.7	AC-228	1.85E-01	9.94E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: WAX MYRTLE

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2006	508.7	BE-7	1.13E+00	2.45E-01	
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2006	508.7	BI-214	8.31E-02	4.09E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2006	508.7	CS-134	<LLD		2.70E-02
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2006	508.7	CS-137	2.97E-02	2.12E-02	
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2006	508.7	I-131	<LLD		2.65E-02
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2006	508.7	K-40	2.33E+00	5.20E-01	
51	SSW - CLOSE TO SITE BOUNDARY	7/11/2006	508.7	PB-214	9.64E-02	4.25E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/15/2006	562	BE-7	5.15E-01	1.97E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/15/2006	562	BI-214	6.09E-02	3.81E-02	
51	SSW - CLOSE TO SITE BOUNDARY	8/15/2006	562	CS-134	<LLD		2.38E-02
51	SSW - CLOSE TO SITE BOUNDARY	8/15/2006	562	CS-137	<LLD		2.61E-02
51	SSW - CLOSE TO SITE BOUNDARY	8/15/2006	562	I-131	<LLD		1.93E-02
51	SSW - CLOSE TO SITE BOUNDARY	8/15/2006	562	K-40	1.82E+00	3.89E-01	
51	SSW - CLOSE TO SITE BOUNDARY	8/15/2006	562	PB-212	2.52E-02	1.87E-02	
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2006	474.4	AC-228	3.88E-01	7.64E-02	
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2006	474.4	BE-7	2.03E+00	2.51E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: WAX MYRTLE

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2006	474.4	BI-214	6.01E-02	5.07E-02	
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2006	474.4	CS-134	<LLD		2.58E-02
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2006	474.4	CS-137	<LLD		2.08E-02
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2006	474.4	I-131	<LLD		2.38E-02
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2006	474.4	K-40	1.85E+00	3.69E-01	
51	SSW - CLOSE TO SITE BOUNDARY	9/14/2006	474.4	PB-214	5.67E-02	3.94E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	508.3	AC-228	1.73E-01	8.63E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	508.3	BE-7	1.26E+00	2.08E-01	
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	508.3	BI-214	1.25E-01	4.99E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	508.3	CS-134	<LLD		2.87E-02
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	508.3	CS-137	<LLD		2.68E-02
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	508.3	I-131	<LLD		2.40E-02
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	508.3	K-40	2.34E+00	4.35E-01	
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	508.3	PB-212	4.07E-02	3.72E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	508.3	PB-214	9.30E-02	4.83E-02	
51	SSW - CLOSE TO SITE BOUNDARY	10/15/2006	508.3	TL-208	2.86E-02	2.45E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: WAX MYRTLE

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
51	SSW - CLOSE TO SITE BOUNDARY	11/14/2006	462.7	AC-228	1.22E-01	9.63E-02	
51	SSW - CLOSE TO SITE BOUNDARY	11/14/2006	462.7	BE-7	1.80E+00	2.68E-01	
51	SSW - CLOSE TO SITE BOUNDARY	11/14/2006	462.7	CS-134	<LLD		2.84E-02
51	SSW - CLOSE TO SITE BOUNDARY	11/14/2006	462.7	CS-137	<LLD		2.40E-02
51	SSW - CLOSE TO SITE BOUNDARY	11/14/2006	462.7	I-131	<LLD		2.45E-02
51	SSW - CLOSE TO SITE BOUNDARY	11/14/2006	462.7	K-40	1.48E+00	4.77E-01	
51	SSW - CLOSE TO SITE BOUNDARY	11/14/2006	462.7	PB-212	4.18E-02	3.85E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	5/11/2006	548.1	AC-228	1.41E-01	6.04E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	5/11/2006	548.1	BE-7	6.98E-01	1.94E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/11/2006	548.1	BI-214	4.82E-02	4.19E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	5/11/2006	548.1	CS-134	<LLD		2.58E-02
52	10 MI W - NEAR BETHUNE - CONTROL	5/11/2006	548.1	CS-137	<LLD		2.35E-02
52	10 MI W - NEAR BETHUNE - CONTROL	5/11/2006	548.1	I-131	<LLD		2.59E-02
52	10 MI W - NEAR BETHUNE - CONTROL	5/11/2006	548.1	K-40	1.97E+00	3.84E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	5/11/2006	548.1	PB-212	3.68E-02	3.08E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	6/4/2006	452	BE-7	3.97E-01	2.24E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: WAX MYRTLE

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
52	10 MI W - NEAR BETHUNE - CONTROL	6/4/2006	452	CS-134	<LLD		2.57E-02
52	10 MI W - NEAR BETHUNE - CONTROL	6/4/2006	452	CS-137	<LLD		2.65E-02
52	10 MI W - NEAR BETHUNE - CONTROL	6/4/2006	452	I-131	<LLD		2.79E-02
52	10 MI W - NEAR BETHUNE - CONTROL	6/4/2006	452	K-40	3.04E+00	5.05E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/12/2006	482.8	BE-7	4.42E-01	1.44E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/12/2006	482.8	CS-134	<LLD		2.07E-02
52	10 MI W - NEAR BETHUNE - CONTROL	7/12/2006	482.8	CS-137	<LLD		2.01E-02
52	10 MI W - NEAR BETHUNE - CONTROL	7/12/2006	482.8	I-131	<LLD		1.69E-02
52	10 MI W - NEAR BETHUNE - CONTROL	7/12/2006	482.8	K-40	2.34E+00	3.95E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	7/12/2006	482.8	PB-214	3.89E-02	3.28E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	8/15/2006	481.5	BE-7	5.34E-01	2.01E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	8/15/2006	481.5	CS-134	<LLD		2.39E-02
52	10 MI W - NEAR BETHUNE - CONTROL	8/15/2006	481.5	CS-137	<LLD		3.12E-02
52	10 MI W - NEAR BETHUNE - CONTROL	8/15/2006	481.5	I-131	<LLD		2.55E-02
52	10 MI W - NEAR BETHUNE - CONTROL	8/15/2006	481.5	K-40	2.11E+00	4.86E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2006	465	BE-7	1.45E+00	2.37E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: WAX MYRTLE

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2006	465	CS-134	<LLD		2.86E-02
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2006	465	CS-137	<LLD		2.41E-02
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2006	465	I-131	<LLD		2.93E-02
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2006	465	K-40	1.42E+00	4.08E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	9/14/2006	465	PB-214	4.42E-02	3.09E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	10/15/2006	490	AC-228	1.36E-01	6.73E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	10/15/2006	490	BE-7	6.82E-01	2.04E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	10/15/2006	490	CS-134	<LLD		3.13E-02
52	10 MI W - NEAR BETHUNE - CONTROL	10/15/2006	490	CS-137	<LLD		3.37E-02
52	10 MI W - NEAR BETHUNE - CONTROL	10/15/2006	490	I-131	<LLD		2.68E-02
52	10 MI W - NEAR BETHUNE - CONTROL	10/15/2006	490	K-40	1.82E+00	4.57E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	11/14/2006	452.8	AC-228	2.07E-02	8.18E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	11/14/2006	452.8	BE-7	1.06E+00	2.20E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	11/14/2006	452.8	BI-214	1.48E-01	4.34E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	11/14/2006	452.8	CS-134	<LLD		2.33E-02
52	10 MI W - NEAR BETHUNE - CONTROL	11/14/2006	452.8	CS-137	<LLD		2.43E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: WAX MYRTLE

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
52	10 MI W - NEAR BETHUNE - CONTROL	11/14/2006	452.8	I-131	<LLD		1.80E-02
52	10 MI W - NEAR BETHUNE - CONTROL	11/14/2006	452.8	K-40	1.42E+00	3.81E-01	
52	10 MI W - NEAR BETHUNE - CONTROL	11/14/2006	452.8	PB-212	8.36E-02	2.63E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	11/14/2006	452.8	PB-214	1.04E-01	4.38E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	11/14/2006	452.8	RA-226	3.68E-02	3.60E-02	
52	10 MI W - NEAR BETHUNE - CONTROL	11/14/2006	452.8	TL-208	2.96E-02	2.51E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/11/2006	486.9	BE-7	7.83E-01	2.13E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/11/2006	486.9	CS-134	<LLD		2.54E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/11/2006	486.9	CS-137	<LLD		2.45E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/11/2006	486.9	I-131	<LLD		2.77E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	5/11/2006	486.9	K-40	2.61E+00	4.77E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/4/2006	464.1	AC-228	1.16E-01	9.96E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/4/2006	464.1	BE-7	5.45E-01	2.78E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/4/2006	464.1	CS-134	<LLD		3.25E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/4/2006	464.1	CS-137	<LLD		2.39E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/4/2006	464.1	I-131	<LLD		2.63E-02

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: WAX MYRTLE

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	6/4/2006	464.1	K-40	3.29E+00	5.09E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/12/2006	501.9	BE-7	3.53E-01	1.56E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/12/2006	501.9	CS-134	<LLD		2.98E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/12/2006	501.9	CS-137	<LLD		2.80E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/12/2006	501.9	I-131	<LLD		2.32E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/12/2006	501.9	K-40	2.66E+00	4.78E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/12/2006	501.9	PB-212	3.82E-02	2.81E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	7/12/2006	501.9	PB-214	6.30E-02	4.59E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/15/2006	442.4	AC-228	1.50E-01	9.00E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/15/2006	442.4	BE-7	8.82E-01	2.60E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/15/2006	442.4	CS-134	<LLD		3.02E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/15/2006	442.4	CS-137	<LLD		2.76E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/15/2006	442.4	I-131	<LLD		2.59E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/15/2006	442.4	K-40	2.70E+00	5.01E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/15/2006	442.4	PB-212	5.51E-02	3.36E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	8/15/2006	442.4	PB-214	5.97E-02	4.63E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: WAX MYRTLE

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/14/2006	490.6	AC-228	1.37E-01	8.32E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/14/2006	490.6	BE-7	1.51E+00	2.41E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/14/2006	490.6	CS-134	<LLD		3.12E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/14/2006	490.6	CS-137	<LLD		2.93E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/14/2006	490.6	I-131	<LLD		2.69E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	9/14/2006	490.6	K-40	5.88E-01	4.50E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/15/2006	505.4	AC-228	2.21E-01	7.35E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/15/2006	505.4	BE-7	1.27E+00	2.11E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/15/2006	505.4	BI-214	9.86E-02	4.17E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/15/2006	505.4	CS-134	<LLD		1.80E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/15/2006	505.4	CS-137	<LLD		2.11E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/15/2006	505.4	I-131	<LLD		2.13E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/15/2006	505.4	K-40	1.79E+00	3.40E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/15/2006	505.4	PB-214	5.24E-02	3.48E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	10/15/2006	505.4	TL-208	3.94E-02	2.27E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	11/14/2006	405.1	BE-7	7.48E-01	2.01E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: WAX MYRTLE

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	11/14/2006	405.1	BI-214	8.64E-02	4.22E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	11/14/2006	405.1	CS-134	<LLD		2.21E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	11/14/2006	405.1	CS-137	<LLD		2.27E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	11/14/2006	405.1	I-131	<LLD		2.17E-02
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	11/14/2006	405.1	K-40	2.08E+00	4.14E-01	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	11/14/2006	405.1	PB-212	7.53E-02	3.06E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	11/14/2006	405.1	PB-214	1.02E-01	5.53E-02	
62	NEAR THE SITE BOUNDARY 0.27 MILES IN SE SE	11/14/2006	405.1	TL-208	2.49E-02	2.18E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
45	SITE VARIES WITHIN LAKE ROBINSON	5/16/2006	772.2	CS-137	6.07E-02	2.43E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	5/16/2006	772.2	K-40	3.59E+00	6.15E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	11/29/2006	624.6	CS-137	3.82E-02	2.25E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	11/29/2006	624.6	K-40	3.02E+00	4.43E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	11/29/2006	624.6	PB-214	3.38E-02	2.97E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/17/2006	622.7	K-40	2.76E+00	4.30E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/17/2006	622.7	CS-137	2.62E-02	1.28E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/27/2006	549.5	CS-137	4.28E-02	2.87E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/27/2006	549.5	AC-228	7.81E-02	5.00E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/27/2006	549.5	RA-226	3.21E-01	2.61E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/27/2006	549.5	PB-214	6.01E-02	3.26E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/27/2006	549.5	K-40	2.51E+00	3.85E-01	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/15/2006	541.4	CS-137	4.07E-02	1.45E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/15/2006	541.4	K-40	2.21E+00	4.53E-01	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/15/2006	541.4	PB-212	3.19E-02	3.11E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/15/2006	541.4	BI-214	8.92E-02	4.04E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/15/2006	541.4	PB-214	1.15E-01	3.86E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/29/2006	515.6	K-40	2.77E+00	5.56E-01	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/29/2006	515.6	BI-214	1.27E-01	4.59E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/29/2006	515.6	TL-208	3.41E-02	1.82E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/29/2006	515.6	CS-137	5.08E-02	2.86E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/29/2006	515.6	RA-226	5.01E-01	3.62E-01	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/29/2006	515.6	PB-214	1.67E-01	6.33E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
45	SITE VARIES WITHIN LAKE ROBINSON	5/16/2006	529	K-40	4.18E+00	7.23E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	11/29/2006	637.9	CS-137	2.95E-02	1.52E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	11/29/2006	637.9	BI-214	4.19E-02	3.10E-02	
45	SITE VARIES WITHIN LAKE ROBINSON	11/29/2006	637.9	RA-226	3.12E-01	2.48E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	11/29/2006	637.9	K-40	2.62E+00	4.40E-01	
45	SITE VARIES WITHIN LAKE ROBINSON	11/29/2006	637.9	PB-214	4.46E-02	3.00E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/17/2006	550.9	BI-214	8.15E-02	4.46E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/17/2006	550.9	PB-214	8.94E-02	3.70E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/17/2006	550.9	RA-226	5.80E-01	5.51E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/17/2006	550.9	K-40	2.80E+00	5.80E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	5/17/2006	550.9	CS-137	3.63E-02	2.99E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/27/2006	504	BI-214	5.66E-02	3.39E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/27/2006	504	K-40	2.65E+00	4.25E-01	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/27/2006	504	PB-214	6.84E-02	3.40E-02	
46	SITE VARIES WITHIN PRESTWOOD LAKE	11/27/2006	504	CS-137	7.85E-02	2.46E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/15/2006	504.3	PB-212	6.89E-02	3.76E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/15/2006	504.3	K-40	2.51E+00	5.36E-01	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/15/2006	504.3	BI-214	1.07E-01	4.65E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/15/2006	504.3	PB-214	1.48E-01	6.71E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/15/2006	504.3	RA-226	1.12E+00	6.40E-01	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/15/2006	504.3	CS-137	8.51E-02	3.26E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	5/15/2006	504.3	AC-228	1.72E-01	6.45E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/29/2006	524	CS-137	8.62E-02	2.40E-02	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/29/2006	524	K-40	2.93E+00	4.93E-01	
47	CONTROL STATION, ANY LAKE NOT INFLUENC	11/29/2006	524	PB-214	5.44E-02	3.54E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: COLLARDS

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	11/13/2006	600.9	CS-134	<LLD		2.10E-02
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	11/13/2006	600.9	CS-137	<LLD		2.38E-02
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	11/13/2006	600.9	I-131	<LLD		3.09E-02
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	11/13/2006	600.9	K-40	3.30E+00	4.50E-01	
58	SITE VARIES FROM PLANT	11/13/2006	560.9	BI-214	2.99E-02	2.92E-02	
58	SITE VARIES FROM PLANT	11/13/2006	560.9	CS-134	<LLD		1.93E-02
58	SITE VARIES FROM PLANT	11/13/2006	560.9	CS-137	1.87E-02	1.56E-02	
58	SITE VARIES FROM PLANT	11/13/2006	560.9	I-131	<LLD		1.71E-02
58	SITE VARIES FROM PLANT	11/13/2006	560.9	K-40	3.19E+00	4.06E-01	
58	SITE VARIES FROM PLANT	11/13/2006	560.9	TL-208	1.87E-02	1.48E-02	
58	SITE VARIES FROM PLANT	11/16/2006	591.3	BE-7	1.42E-01	1.36E-01	
58	SITE VARIES FROM PLANT	11/16/2006	591.3	BI-214	7.42E-02	3.54E-02	
58	SITE VARIES FROM PLANT	11/16/2006	591.3	CS-134	<LLD		2.01E-02
58	SITE VARIES FROM PLANT	11/16/2006	591.3	CS-137	<LLD		2.02E-02
58	SITE VARIES FROM PLANT	11/16/2006	591.3	I-131	<LLD		2.42E-02
58	SITE VARIES FROM PLANT	11/16/2006	591.3	K-40	2.64E+00	4.22E-01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: COLLARDS

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
58	SITE VARIES FROM PLANT	11/16/2006	591.3	PB-214	3.87E-02	2.88E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Media: WATERMELLON

Sample Point		*Sample Date*	*Quantity*	*Isotope*	*Activity*	*2 Sigma Error*	*LLD*
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	8/11/2006	920.3	CS-134	<LLD		1.15E-02
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	8/11/2006	920.3	CS-137	<LLD		1.42E-02
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	8/11/2006	920.3	I-131	<LLD		1.65E-02
49	10.0 MI W OR GREATER THAN 5 MI FROM PLANT -	8/11/2006	920.3	K-40	5.47E-01	2.16E-01	
58	SITE VARIES FROM PLANT	8/11/2006	1076.3	CS-134	<LLD		7.11E-03
58	SITE VARIES FROM PLANT	8/11/2006	1076.3	CS-137	<LLD		8.43E-03
58	SITE VARIES FROM PLANT	8/11/2006	1076.3	I-131	<LLD		1.06E-02
58	SITE VARIES FROM PLANT	8/11/2006	1076.3	K-40	7.96E-01	1.57E-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	2/9/2006	1	NO-ACT			
42	UNIT 1 OR UNIT 2 DEEP WELL	5/8/2006	1	PB-212	7.15E+00	4.83E+00	
42	UNIT 1 OR UNIT 2 DEEP WELL	7/31/2006	1	PB-214	2.06E+01	7.21E+00	
42	UNIT 1 OR UNIT 2 DEEP WELL	7/31/2006	1	BI-214	2.88E+01	8.86E+00	
42	UNIT 1 OR UNIT 2 DEEP WELL	10/23/2006	1	PB-214	5.13E+01	9.08E+00	
42	UNIT 1 OR UNIT 2 DEEP WELL	10/23/2006	1	BI-214	9.09E+01	1.12E+01	
64	SC 23 @ BLACK CREEK	2/9/2006	1	NO-ACT			
64	SC 23 @ BLACK CREEK	5/8/2006	1	RA-226	6.06E+01	5.48E+01	
64	SC 23 @ BLACK CREEK	7/31/2006	1	NO-ACT			
64	SC 23 @ BLACK CREEK	10/23/2006	1	PB-214	2.37E+01	9.91E+00	
64	SC 23 @ BLACK CREEK	10/23/2006	1	BI-214	3.41E+01	1.02E+01	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	2/9/2006	1359.9	AC-228	1.38E-01	8.87E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	2/9/2006	1359.9	BE-7	2.11E-01	1.76E-01	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	2/9/2006	1359.9	TL-208	5.44E-02	2.87E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	2/9/2006	1359.9	BI-212	3.91E-01	1.90E-01	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	2/9/2006	1359.9	PB-212	1.78E-01	4.54E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	2/9/2006	1359.9	BI-214	2.80E-01	6.69E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	2/9/2006	1359.9	PB-214	2.60E-01	6.30E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	9/7/2006	1474.8	AC-228	1.09E-01	6.04E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	9/7/2006	1474.8	PB-214	1.45E-01	4.54E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	9/7/2006	1474.8	BI-214	1.58E-01	3.72E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	9/7/2006	1474.8	PB-212	9.95E-02	2.69E-02	
44	1.6 MI NNE - SHADY REST CLUB, EAST SHORE	9/7/2006	1474.8	TL-208	2.55E-02	1.88E-02	
57	ASH POND	2/9/2006	908.4	TL-208	1.33E+00	1.20E-01	
57	ASH POND	2/9/2006	908.4	BI-212	2.47E+00	6.90E-01	
57	ASH POND	2/9/2006	908.4	PB-212	3.85E+00	1.82E-01	
57	ASH POND	2/9/2006	908.4	K-40	2.12E+01	1.77E+00	
57	ASH POND	2/9/2006	908.4	BI-214	5.55E+00	3.21E-01	
57	ASH POND	2/9/2006	908.4	PB-214	5.81E+00	3.05E-01	
57	ASH POND	2/9/2006	908.4	RA-226	1.20E+01	2.25E+00	
57	ASH POND	2/9/2006	908.4	AC-228	3.56E+00	4.26E-01	
57	ASH POND	9/7/2006	1115.3	PB-212	8.35E-01	7.92E-02	
57	ASH POND	9/7/2006	1115.3	RA-226	2.77E+00	9.80E-01	
57	ASH POND	9/7/2006	1115.3	BI-214	8.57E-01	1.11E-01	
57	ASH POND	9/7/2006	1115.3	K-40	2.77E+00	5.36E-01	
57	ASH POND	9/7/2006	1115.3	BI-212	4.27E-01	3.05E-01	
57	ASH POND	9/7/2006	1115.3	TL-208	2.68E-01	5.25E-02	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
57	ASH POND	9/7/2006	1115.3	AC-228	8.79E-01	1.74E-01	
57	ASH POND	9/7/2006	1115.3	BE-7	3.09E-01	2.78E-01	
57	ASH POND	9/7/2006	1115.3	PB-214	9.80E-01	1.31E-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
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	1/20/2006	1.00	NO-ACT			
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	2/20/2006	1.00	NO-ACT			
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	3/20/2006	1.00	PB-212	5.46E+00	3.12E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	3/20/2006	1.00	K-40	9.14E+01	4.91E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	4/16/2006	1.00	NO-ACT			
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	5/18/2006	1.00	TL-208	3.15E+00	9.01E-01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	5/18/2006	1.00	K-40	1.03E+02	3.20E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	6/19/2006	1.00	PB-214	4.36E+00	3.32E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	6/19/2006	1.00	BI-214	4.22E+00	3.91E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	7/17/2006	1.00	NO-ACT			
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	8/17/2006	1.00	NO-ACT			
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	9/18/2006	1.00	NO-ACT			
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	10/18/2006	1.00	PB-214	4.25E+00	3.89E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	11/19/2006	1.00	K-40	2.60E+01	2.41E+01	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	12/19/2006	1.00	TL-208	1.81E+00	1.68E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	12/19/2006	1.00	PB-212	2.28E+00	2.10E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	12/19/2006	1.00	BI-214	8.02E+00	4.74E+00	
40	0.6 MI ESE- BLACK CR AT OLD CAMDEN RD (#S-	12/19/2006	1.00	PB-214	4.95E+00	3.10E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	1/20/2006	1.00	NO-ACT			
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	2/20/2006	1.00	TL-208	3.10E+00	2.27E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	2/20/2006	1.00	K-40	9.46E+01	3.71E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	3/20/2006	1.00	TL-208	4.29E+00	2.63E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	3/20/2006	1.00	PB-212	4.19E+00	2.92E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	3/20/2006	1.00	K-40	8.88E+01	3.75E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	4/16/2006	1.00	K-40	4.41E+01	3.76E+01	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	5/18/2006	1.00	NO-ACT			

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	6/19/2006	1.00	NO-ACT			
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	7/17/2006	1.00	NO-ACT			
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	8/17/2006	1.00	NO-ACT			
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	9/18/2006	1.00	BI-214	1.02E+01	4.53E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	9/18/2006	1.00	PB-214	7.11E+00	3.32E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	10/18/2006	1.00	BI-214	4.52E+00	3.69E+00	
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	11/19/2006	1.00	NO-ACT			
41	8.0 MI N - BLACK CREEK AT US 1 - CONTROL	12/19/2006	1.00	NO-ACT			
57	ASH POND	1/20/2006	1.00	K-40	3.07E+01	2.56E+01	
57	ASH POND	2/20/2006	1.00	NO-ACT			
57	ASH POND	3/20/2006	1.00	TL-208	4.39E+00	2.49E+00	
57	ASH POND	3/20/2006	1.00	K-40	1.10E+02	4.70E+01	
57	ASH POND	4/16/2006	1.00	TL-208	5.50E+00	2.57E+00	
57	ASH POND	4/16/2006	1.00	K-40	5.53E+01	4.93E+01	
57	ASH POND	5/18/2006	1.00	PB-214	6.62E+00	4.05E+00	
57	ASH POND	5/18/2006	1.00	BI-214	1.08E+01	3.97E+00	
57	ASH POND	6/19/2006	1.00	BI-214	4.05E+00	3.98E+00	
57	ASH POND	7/17/2006	1.00	NO-ACT			
57	ASH POND	8/17/2006	1.00	NO-ACT			
57	ASH POND	9/18/2006	1.00	RA-226	4.10E+01	3.66E+01	
57	ASH POND	9/18/2006	1.00	PB-212	2.20E+01	2.62E+00	
57	ASH POND	9/18/2006	1.00	AC-228	1.70E+01	8.96E+00	
57	ASH POND	9/18/2006	1.00	PB-214	2.10E+01	4.52E+00	
57	ASH POND	9/18/2006	1.00	BI-214	2.57E+01	5.20E+00	
57	ASH POND	9/18/2006	1.00	K-40	9.98E+01	4.25E+01	
57	ASH POND	9/18/2006	1.00	TL-208	7.96E+00	2.51E+00	

RNP Radiological Environmental Monitoring Gamma Isotopic Report

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

Sample Point		Sample Date	Quantity	Isotope	Activity	2 Sigma Error	LLD
57	ASH POND	10/18/2006	1.00	NO-ACT			
57	ASH POND	11/19/2006	1.00	PB-212	2.98E+00	2.71E+00	
57	ASH POND	12/19/2006	1.00	NO-ACT			