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Washington, D.C. 20555-0001

Donald C. Cook Nuclear Plant Units 1 and 2  
ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT

Enclosed is the Donald C. Cook Nuclear Plant Annual Radiological Environmental Operating Report. This report covers the period from January 1, 2010, through December 31, 2010, and was prepared in accordance with the requirements of Technical Specification 5.6.2 and 10 CFR 50, Appendix I, Sections IV.B.2, IV.B.3, and IV.C.

This letter contains no new or modified regulatory commitments. Should you have any questions, please contact Mr. Michael K. Scarpello, Regulatory Affairs Manager, at (269) 466-2649.

Sincerely,

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Enclosure: Annual Radiological Environmental Operating Report

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ENCLOSURE TO AEP-NRC-2011-32  
ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT



# **Annual Radiological Environmental Operating Report**

**Indiana Michigan Power Company  
Donald C. Cook Nuclear Plant**

**RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM**

**January 1, 2010 – December 31, 2010**

**Docket No. 50-315, 50-316  
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## 1.0 EXECUTIVE SUMMARY

Implementation of the Donald C. Cook Nuclear Plant (CNP) Radiological Environmental Monitoring Program (REMP) continued during the period January through December 2010, in accordance with station Technical Specifications and Off-Site Dose Calculation Manual (ODCM).

Radiochemical and radiometric analyses of REMP samples were performed to allow for detection and quantification of station-related radioactivity. A variety of potential exposure pathways were monitored by analyzing air, fruit, vegetation, water, milk, fish and sediment samples. Thermoluminescent dosimeters (TLDs) were also utilized to monitor for gamma radiation exposure that in turn might be attributed to plant activities.

Evaluation of sample analyses results considered the variability of natural or man-made radioactivity sources including their distribution and uptake in the environment and environmental media. This variability depends on several possible factors such as:

- contributions from cosmogenic radioactivity,
- groundwater dynamics,
- station related release rates,
- past spatial variability of radioactive fallout from nuclear weapons tests and the on-going redistribution of this fallout,
- soil characteristics,
- farming practices, and
- feed type.

Since these factors had the potential to cause considerable variation in sample analysis results, they were considered during the evaluation of sample analysis results.

Based on an evaluation of sample analyses results, it was determined that non-tritium radioactivity detected by the REMP was from outside sources, such as fallout from nuclear weapons tests and naturally-occurring radionuclides. Examples include the following:

- Four of four Lake Sediment samples contained naturally-occurring K-40, one sample contained naturally occurring Th-228 and one contained the naturally occurring Th-232.
- Naturally-occurring K-40 was detected in all eight fish samples.
- Both indicator and control Food Products samples (grapes) contained naturally-occurring K-40. One indicator sample contained naturally occurring Be-7. All samples of broadleaf vegetation contained naturally-occurring K-40, with 26 of 33 indicator samples and all control samples containing naturally-occurring Be-7. Two samples contained naturally occurring Pb-210 and one contained naturally occurring Th-232 as indicated by AcTh-228. Additionally there were two indicator samples that contained Cs-137. The source of the nuclide in these

samples is likely to be past weapons testing in the atmosphere given the media and concentration.

- 19 of 142 water samples (drinking, ground, and surface) indicated the presence of naturally-occurring K-40 and five of 142 contained the naturally-occurring Th-232 decay series, as indicated by AcTh228. Tritium was detected in six of 68 ground water samples. Site tritium modeling has indicated that the activity in all of these samples is the result of tritium recapture via precipitation through gaseous releases out the unit vent. Tracking of well activity is performed at CNP via the REMP and Groundwater Protection Programs. This activity has no impact on public health and safety and is the result of effluent releases performed via licensed released paths and are well within NRC limits.
- All 78 milk samples, from both indicator and control locations, detected naturally-occurring K-40. One indicator sample detected naturally occurring Th-228. Two samples detected naturally occurring Th-232, indicated by AcTh-228.

No sample analysis results exceeded or approached specified reporting levels.

This report was prepared for Indiana Michigan Power Company by AREVA NP, Inc. Sample collection and preparation were performed by CNP. Laboratory analyses were performed by the AREVA NP Environmental Laboratory (E-LAB) for the first half of the year, and GEL Laboratories for the second half.

## 2.0 INTRODUCTION

### 2.1 General Plant Site Information

Indiana Michigan Power Company's CNP is located on the southeastern shore of Lake Michigan approximately one mile north of Bridgman, Michigan. The site consists of two pressurized water reactors: Unit 1, 1084 MWe (Net Design Electrical Rating) and Unit 2, 1107 MWe (Net Design Electrical Rating). Unit 1 achieved initial criticality on January 18, 1975, and Unit 2 on March 10, 1978.

### 2.2 Program Design

The REMP for CNP was designed with specific objectives:

- To provide an early indication of the appearance or accumulation of radioactive material in the environment possibly caused by CNP activities.
- To provide assurance to regulatory agencies and the public that the environmental/dose impact of the CNP operation is known and within anticipated limits.
- To verify the adequacy and proper functioning of station effluent controls and monitoring systems.
- To comply with regulatory requirements and station Technical Specifications and provide records to document compliance.

The program was developed to meet the intent of NRC Regulatory Guide 4.1 (Revision 1), "Programs for Monitoring Radioactivity in the Environs of Nuclear Power Plants"; NRC Regulatory Guide 4.8, "Environmental Technical Specifications for Nuclear Power Plants"; the NRC Branch Technical Position of November 1979, "An Acceptable Radiological Environmental Monitoring Program"; and NRC NUREG-0472, "Standard Radiological Effluent Technical Specifications for Pressurized Water Reactors".

The REMP sampling requirements are given in Attachment 3.19 of the ODCM and summarized in Table 2.1 of this report. The identification of the required sampling locations is also provided in Attachment 3.19 of the ODCM and Table 2.2 of this report. The monitoring locations are shown graphically in Figures 2.1 – 2.3.

### 2.3 Monitoring Zones

The REMP is designed to allow comparison of levels of radioactivity in samples from the area potentially influenced by the plant to levels found in areas not influenced by the plant. Generally, monitoring zones are designated as "indicator" or "control" locations. For a particular pathway, the distinction between these designations is based on relative direction and distance from the plant. Sample analysis data from the two zones is evaluated and used to differentiate between radiation due to plant activities and that due to other sources (examples: nuclear weapons test fallout and seasonal background variations).

### 2.4 Pathways Monitored

Four pathway categories (airborne, waterborne, ingestion, and direct radiation) were monitored by the REMP. Each of these categories was monitored by the collection of one or more sample types listed and described below.

Airborne Pathway:	Air
Waterborne Pathway:	Surface Water Groundwater Drinking Water Sediment
Ingestion Pathway:	Milk Fish Food Product (Fruit and Broad Leaf Vegetation) Broadleaf Vegetation (in lieu of Milk, when necessary)
Direct Radiation:	TLD Monitoring

### 2.5 Descriptions of Monitoring Pathways

Sample types and frequency of analysis are given in Table 2.1. The sample locations are listed in Table 2.2 and shown in Figures 2.1 – 2.3. The program as described in this report includes both ODCM required and additional or



supplemental samples. A description of the sampling program follows, and a detailed summary of the analytical methodologies employed by the AREVA NP Environmental Laboratory is provided in Appendix A.

#### 2.5.1 Air

Air samplers were installed at ten locations as required by the ODCM. These samplers operated continuously (except during weekly sample media replacement) within the specified sample flow rate range of 42 to 70 liters per minute (LPM). An Automatic Volume Totalizer was used to measure the total volume of air sampled, total unit run time and volumetric flow rate.

Airborne particulates were collected by passing air through a 47-mm glass-fiber filter. Charcoal cartridges were installed downstream of the particulate filters and were used to collect airborne radioiodine. Both types of sample media were collected weekly, and to allow for the decay of radon daughter products, the particulate filters were held at least 100 hours before being analyzed for gross-beta radioactivity.

The particulate filters were composited by location as part of the quarterly gamma spectroscopy analysis.

#### 2.5.2 Surface Water

Two 125-milliliter surface water samples were collected from shoreline locations approximately 500 feet north and south of the plant centerline. Samples were composited daily over a month, and the gamma aliquot was preserved with nitric acid. All samples receive a gamma isotopic analysis. A tritium analysis was performed on a quarterly composite from each of the sample points.

#### 2.5.3 Groundwater

Groundwater samples were collected quarterly from 17 wells, all within 4300 feet of the reactors. At each well, a static water elevation was determined and three well bore volumes were purged from the well using a groundwater pump or equivalent. Two 1-liter and one 125-ml samples were then collected and the gamma isotopic aliquot was preserved with nitric acid. Gamma isotopic and tritium analyses were performed.

#### 2.5.4 Drinking Water

One-liter samples were collected daily at the intake of the water purification plants for St. Joseph and Lake Township. The daily samples were composited over 14 days and the gamma isotopic/gross beta aliquot was preserved with nitric acid. The 14-day composite samples were analyzed for gross beta, gamma isotopic and Iodine (I-131). A quarterly composite was analyzed for Tritium (H-3).

### 2.5.5 Sediment

Lake Michigan shoreline sediment samples were collected semi-annually approximately 500 feet north and south of the plant centerline. A 1-liter sample was collected from an area covered part time by wave action at each location. The sediment samples were analyzed for gamma isotopic content.

### 2.5.6 Milk

At least once every fifteen days, a one-gallon milk sample was collected from the three remaining available farms located between 4.4 and 21 miles from the site. Two of these farms (cow) utilize a "bulk" storage tank arrangement while the third farm (goat) does not. All samples were preserved with 40 grams per gallon of sodium bisulfite at the time of collection. Samples were analyzed for low level I-131 and gamma-emitting radionuclides.

Due to the retirement of Glen Troy Farm's operator, the required number of indicator milk locations was not met in 2010. Though milk samples were collected at the remaining farms, the milk sampling program was considered suspended in 2010. Environmental personnel implemented broadleaf collection per the ODCM during the growing season as a result of not meeting the required number of milk indicator farms.

### 2.5.7 Fish

Approximately four pounds of fish were collected two times a year from four locations using gill nets in Lake Michigan. The edible portions of the fish were analyzed for gamma-emitting radionuclides.

### 2.5.8 Food Product

Two food product samples (grapes) were collected annually at the time of harvest. Samples consist of at least 300 grams of media and were collected from the highest deposition factor land sectors near CNP, with media present, and at an approximate distance of 20 miles from the plant in one of the less prevalent deposition factor land sectors. Samples were analyzed for gamma-emitting radionuclides.

### 2.5.9 Broadleaf Vegetation

Broadleaf vegetation sampling in lieu of milk collection was reinstated on December 16, 2004, and continued through 2010. This occurrence was necessitated by the retirement of an "indicator" milk farm operator and the inability to locate a suitable replacement farm via a special milk farm survey along with subsequent Annual Land Use Surveys. Two indicator and one control location were sampled monthly during the growing season (May – September). Samples consisted of at least 300 grams of media and were collected from different locations within 8 miles of the plant in the highest deposition factor land sectors with media present, and at an approximate distance of 20 miles from the plant in one of the less

prevalent deposition factor land sectors. Samples were analyzed for gamma-emitting radionuclides and I-131.

#### 2.5.10 TLD Monitoring

Direct gamma radiation exposure was continuously monitored with the use of Panasonic UD-814 AS4 thermoluminescent dosimeters (TLDs). TLDs were posted at 27 locations in the environs surrounding CNP.

#### 2.5.11 Additional Groundwater Sample Analysis (non-ODCM required)

During 2010, additional groundwater samples not required by the ODCM were collected for informational purposes. These samples were collected at several onsite locations in 2010 and analyzed for tritium by the CNP Chemistry Department, AREVA NP and GEL laboratories. One liter samples were collected at Steam Generator (SG) designated wells quarterly during 2010 and analyzed for gamma isotopic for informational purposes.

#### 2.5.12 Additional Groundwater Sample Analysis (NEI Groundwater Protection Initiative)

The Groundwater Protection Initiative (GPI) Sample Data for 2010 indicates no groundwater contamination in excess of the reporting threshold of  $2.00\text{E-}5$   $\mu\text{Ci/mL}$  for tritium.

The LLD value used for counting of the samples varied between  $8.17\text{E-}7$  and  $9.60\text{E-}7$   $\mu\text{Ci/mL}$ , depending on which scintillation counter was used. This is well below the required minimum LLD value of  $2.00\text{E-}6$   $\mu\text{Ci/mL}$ .

Values found above the LLD were not abnormal, unexpected, or inconsistent with past sampling history. The samples from Well #15, #24 and #27 were expected results from the release of tritiated water into the Absorption Pond. This release was through a licensed pathway and the well samples were anticipated. The remaining results above the LLD were only slightly above the LLD and were located in areas identified to have recapture deposition of tritium from licensed radioactive gaseous release points.

The sample data indicates that no radioactive spills or unidentified leaks have occurred in 2010 impacting groundwater. The sample results indicate proper well placement to ensure the protection of the groundwater and early identification of any abnormal conditions involving groundwater. This is validated by the demonstrated ability to monitor percolation from the Absorption Pond, with flow direction and behavior acting as described in the plant licensing documents.

Table 2.1

**Sampling Frequency & Type of Analysis  
Based on ODCM, Rev. 23, Attachment 3.19**

	<b>Exposure Pathway and/or Sample</b>	<b>Number of Locations</b>	<b>Sampling &amp; Collection Frequency</b>	<b>Type of Analysis</b>
1.	Gamma Exposure– Environmental TLD	27	Quarterly	Direct Radiation - Quarterly
2.	Airborne	10	Continuous sampler – weekly filter change	Gross Beta and I-131 - Weekly Gamma Isotopic - Quarterly on composite (by location)
3.	Groundwater (Well Water)	17	Quarterly	Gamma Isotopic and Tritium – Quarterly
4.	Surface Water	2	Once per calendar day	Gamma Isotopic - Monthly on composite Tritium - Quarterly on composite
5.	Drinking Water	2	Once per calendar day	Gamma Isotopic, Gross Beta and I-131 Low Level (LL) - on 14 day composite. Tritium - Quarterly on composite
6.	Sediment Lake	2	Semiannually	Gamma Isotopic
7.	Milk (if available)	4	Once every 15 days or Monthly if animals are fed stored feed.	Gamma Isotopic and I-131 Low Level (LL) – per sample
8.	Fish (edible portion)	4	2 per year	Gamma Isotopic - per sample
9.	Food Products- Grape	2	At time of harvest	Gamma Isotopic - per sample
10.	Broadleaf Vegetation – (in lieu of milk sampling)	3	Monthly when available	Gamma Isotopic and I-131 Low Level (LL) – per sample

Table 2.2

**2010 Radiological Environmental Monitoring Program  
Sampling Types and Locations**

Exposure Pathway (Sample Type Designation)	Sample Station	Indicator/ Control	Location Description
<b>Airborne</b>			
a. Filter (AP / CF)	ONS-1	I	1945 feet @ 18° from Plant axis
	ONS-2	I	2338 feet @ 48° from Plant axis
	ONS-3	I	2407 feet @ 90° from Plant axis
	ONS-4	I	1852 feet @ 118° from Plant axis
	ONS-5	I	1895 feet @ 189° from Plant axis
	ONS-6	I	1917 feet @ 210° from Plant axis
	NBF	C	15.6 miles SSW - New Buffalo, MI
	SBN	C	26.2 miles SE - South Bend, IN
	DOW	C	24.3 miles ENE - Dowagiac, MI
COL	C	18.9 miles NNE - Coloma, MI	
<b>Waterborne</b>			
a. Ground Well (WG)	W-1	I	1969 feet @ 11° from Plant axis
	W-2	I	2302 feet @ 63° from Plant axis
	W-3	I	3279 feet @ 107° from Plant axis
	W-4	I	418 feet @ 301° from Plant axis
	W-5	I	404 feet @ 290° from Plant axis
	W-6	I	424 feet @ 273° from Plant axis
	W-7	I	1895 feet @ 189° from Plant axis
	W-8	I	1274 feet @ 54° from Plant axis
	W-9	I	1447 feet @ 22° from Plant axis
	W-10	I	4216 feet @ 129° from Plant axis
	W-11	I	3206 feet @ 153° from Plant axis
	W-12	I	2631 feet @ 162° from Plant axis
	W-13	I	2152 feet @ 182° from Plant axis
	W-14	I	1780 feet @ 164° from Plant axis
	W-15	I	725 feet @ 202 ° from Plant axis
	MW-20 (W-16)	I	2200 feet @ 208 ° from Plant axis
MW-21 (W-17)	I	2200 feet @ 180 ° from Plant axis	
b. Drinking (WD)	STJ	C	9 miles NE - St. Joseph Public Intake Station
	LTW	I	0.6 mile S - Lake Twp. Public Intake Station

**Table 2.2**  
**2010 Radiological Environmental Monitoring Program**  
**Sampling Types and Location**  
**(continued)**

<b>Exposure Pathway (Sample Type Designation)</b>	<b>Sample Station</b>	<b>Indicator/ Control</b>	<b>Location Description</b>
c. Surface (WS)	SWL-2	I	500 feet S of Plant Centerline – Site Boundary
	SWL-3	I	500 feet N of Plant Centerline - Site Boundary
d. Sediment (SE)	SL-2	I	500 feet S of Plant Centerline – Site Boundary
	SL-3	I	500 feet N of Plant Centerline – Site Boundary
<b>Ingestion</b>			
a. Milk (TM)	MR	I	4.8 miles* SE – Baroda, MI
	SF	I	4.4 miles* SSE – Baroda, MI
	LF	C	21 miles* S - La Porte, IN
b. Fish (FH)	ONS-N	I	0.3 mile N, Lake Michigan
	ONS-S	I	0.4 mile S, Lake Michigan
	OFS-N	C	3.5 miles N, Lake Michigan
	OFS-S	C	5.0 miles S, Lake Michigan
c. Food Products (TF)	ONS-G	I	Nearest sample to Plant in the highest D/Q land sector containing grapes.
	OFS-G	C	In a land sector containing grapes, ~20 miles from the Plant, in one of the less prevalent D/Q land Sectors
d. Vegetation (TV) [broadleaf vegetation taken in lieu of milk ]	ONS1-V	I	Within 8 mi. in highest annual average D/Q land Sector
	ONS2-V	I	
	ONS3-V	I	
	WELL-Sec A	I	Backup location only (Not used in 2010)
	OFS-V	C	~20 miles from the Plant, in one of the less prevalent land wind directions

\* Values measured with Garmin City Navigator® North America software.

**Table 2.2**  
**2010 Radiological Environmental Monitoring Program**  
**Sampling Types and Location**  
**(continued)**

<b>Direct Radiation</b>			
TLD	T-1	I	1945 feet @ 18° from Plant axis
	T-2	I	2338 feet @ 48° from Plant axis
	T-3	I	2407 feet @ 90° from Plant axis
	T-4	I	1852 feet @ 118° from Plant axis
	T-5	I	1895 feet @ 189° from Plant axis
	T-6	I	1917 feet @ 210° from Plant axis
	T-7	I	2103 feet @ 36° from Plant axis
	T-8	I	2208 feet @ 82° from Plant axis
	T-9	I	1368 feet @ 149° from Plant axis
	T-10	I	1390 feet @ 127° from Plant axis
	T-11	I	1969 feet @ 11° from Plant axis
	T-12	I	2292 feet @ 63° from Plant axis
	NBF	C	15.6 miles SSW - New Buffalo, MI
	SBN	C	26.2 miles SE - South Bend, IN
	DOW	C	24.3 miles ENE - Dowagiac, MI
	COL	C	18.9 miles NNE - Coloma, MI
	OFT-1	C	4.5 miles NE - Pole #B294-44
	OFT-2	C	3.6 miles NE - Stevensville Substation
	OFT-3	C	5.1 miles NE - Pole #B296-13
	OFT-4	C	4.1 miles E - Pole #B350-72
	OFT-5	C	4.2 miles ESE - Pole #B387-32
	OFT-6	C	4.9 miles SE - Pole #B426-1
	OFT-7	C	2.5 miles S - Bridgman Substation
OFT-8	C	4.0 miles S - Pole #B424-20	
OFT-9	C	4.4 miles ESE - Pole #B369-214	
OFT-10	C	3.8 miles S - Pole #B422-99	
OFT-11	C	3.8 miles S - Pole #B423-12	

Table 2.3

**Environmental Lower Limit of Detection (LLD) Sensitivity Requirements**  
**ODCM, Rev. 23, Attachment 3.20**

<b>Analysis</b>	<b>Food Prod. (pCi/kg, wet)</b>	<b>Water (pCi/L)</b>	<b>Milk (pCi/L)</b>	<b>Air Filter (pCi/m<sup>3</sup>)</b>	<b>Fish (pCi/kg, wet)</b>	<b>Sediment (pCi/kg, dry)</b>
Gross Beta		4		0.01		
H-3		2000				
Mn-54		15			130	
Co-58		15			130	
Co-60		15			130	
Fe-59		30			260	
Zn-65		30			260	
Zr-95		30				
Nb-95		15				
I-131	60	1	1	0.07		
Cs-134	60	15	15	0.06	130	150
Cs-137	60	18	18	0.06	150	180
Ba-140		60	60			
La-140		15	15			

\* LLD for drinking water



Table 2.4

**Reporting Levels for Radioactivity Concentrations in Environmental Samples  
ODCM Rev. 23, Attachment 3.21**

<b>Analysis</b>	<b>Food Prod. (pCi/kg, wet)</b>	<b>Water (pCi/L)</b>	<b>Milk (pCi/L)</b>	<b>Airborne Filter (pCi/m<sup>3</sup>)</b>	<b>Fish (pCi/kg, wet)</b>
H-3		20000			
Mn-54		1000			30000
Co-58		1000			30000
Co-60		300			10000
Fe-59		400			10000
Zn-65		300			20000
Zr-95		400			
Nb-95		400			
I-131	100	2	3	0.90	
Cs-134	1000	30	60	10	1000
Cs-137	2000	50	70	20	2000
Ba-140		200	300		
La-140		200	300		

Figure 2.1

Donald C. Cook Nuclear Plant Sampling Locations - 1 Mile Radius  
(See Table 2.2 for information on sampling locations)

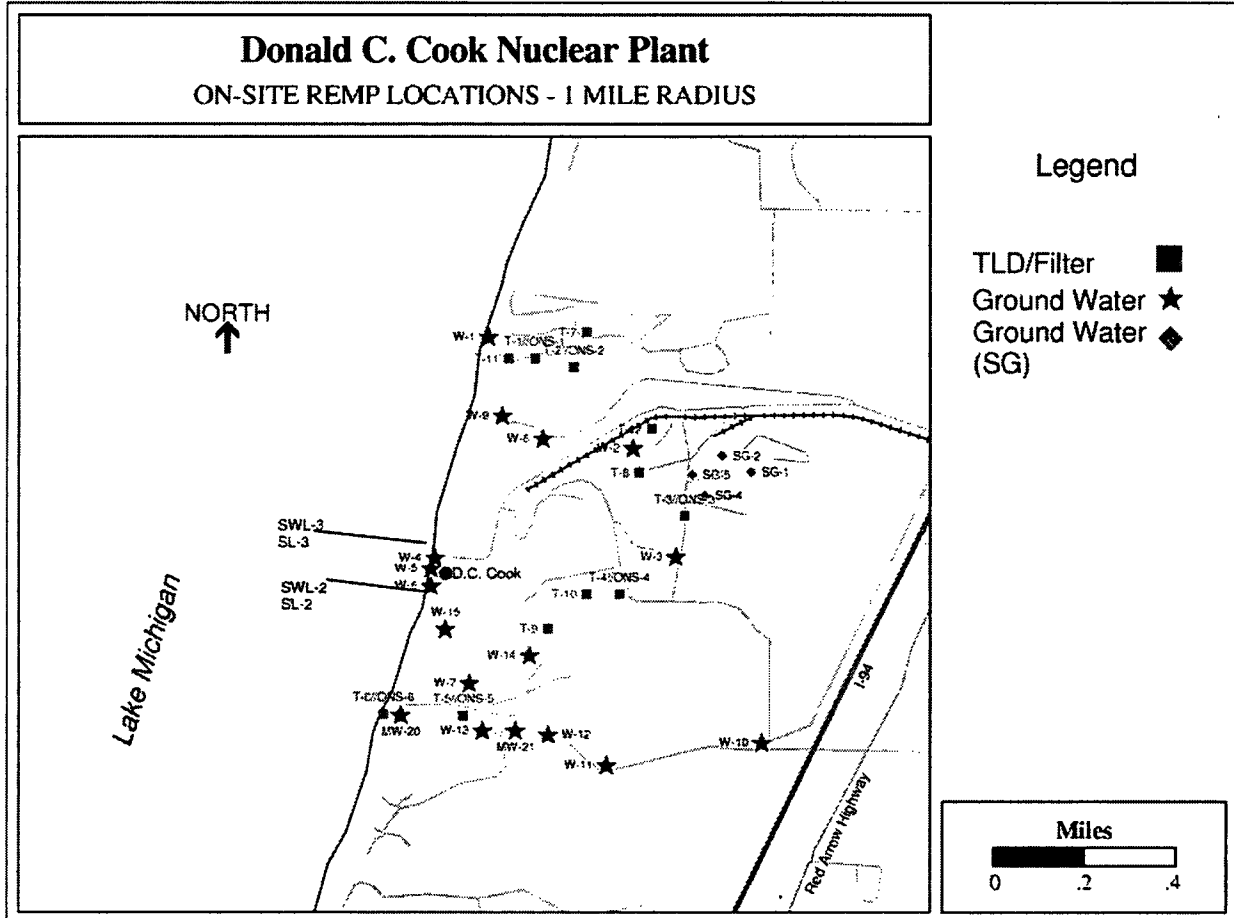


Figure 2.2

Donald C. Cook Nuclear Plant Sampling Locations - 10 Mile Radius  
(See Table 2.2 for information on sampling locations)

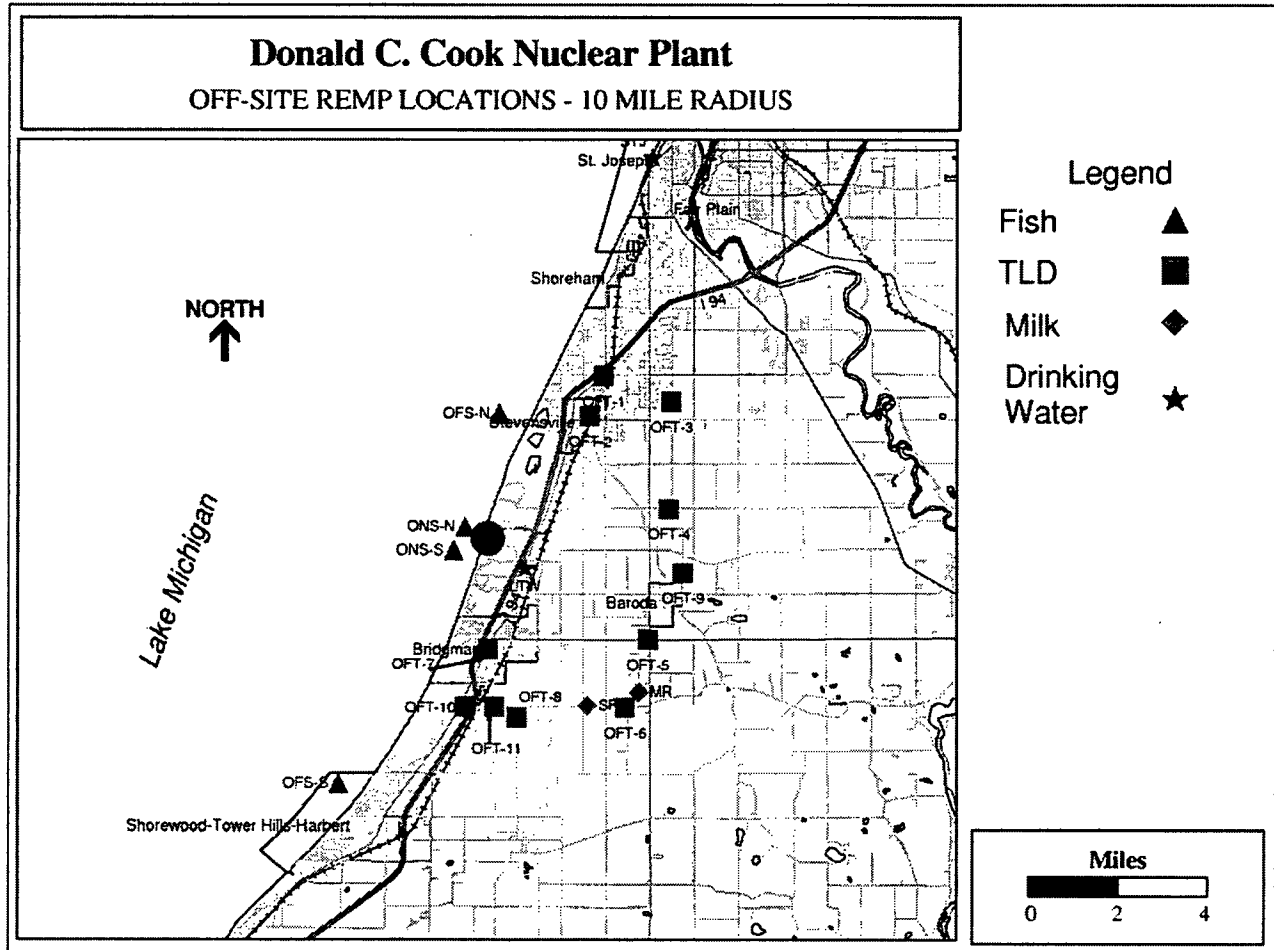
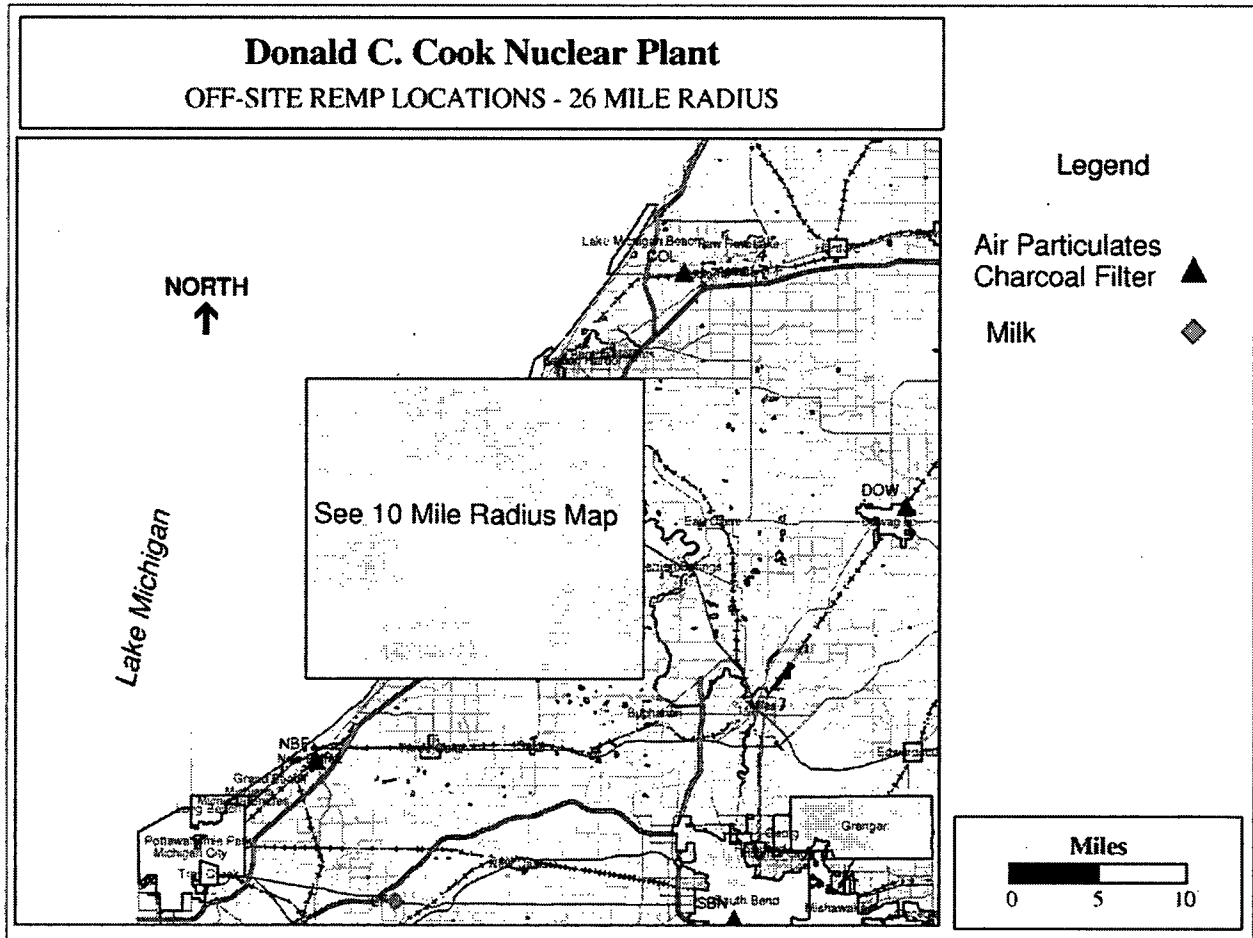


Figure 2.3

Donald C. Cook Nuclear Plant Sampling Locations - 26 Mile Radius  
 (See Table 2.2 for information on sampling locations)



## 2.6 Samples Collected During 2010

Table 2.5 below summarizes the number of samples of each type collected during the 2010 reporting period and the number of analyses by station type for each media. A more detailed breakdown of the various analyses performed is provided in the data summary tables in Section 3, Table 3.1.

Table 2.5

## REMP Samples Collected in 2010

Sample Type	REMP Samples Collected in 2010		
	Total	Indicator	Control
Gamma Exposure Environmental TLD	107	48	59
Air Particulate	519	311	208
Charcoal Filter	519	311	208
Groundwater	68	68	0
Surface Water	22	22	0
Drinking Water	52	26	26
Sediment (Lake)	4	4	0
Food Products (grapes)	2	1	1
Vegetation (broadleaf)	39	33	6
Milk	78	52	26
Fish	8	4	4
<b>Total All Types</b>	<b>1,418</b>	<b>880</b>	<b>538</b>

### 3.0 RADIOLOGICAL DATA SUMMARY TABLES

This section summarizes the analytical results of the environmental samples that were collected during 2010. These results, shown in Table 3.1, are presented in a format similar to that prescribed in the NRC's Radiological Assessment Branch Technical Position on Environmental Monitoring (Reference 1). The results are ordered by sample media type and then by radionuclide for the monitoring zones described in Section 2.3. The units for each media type are also given. Table 3.2 provides information for TLD direct radiation measurements.

The left-most column of Table 3.1 contains the radionuclide of interest, the total number of analyses for that radionuclide in 2010, and the number of measurements that exceeded the Reporting Levels found in Table 2.4. The latter are classified as "Non-routine" measurements. The second column lists the required Lower Limit of Detection (LLD) for those radionuclides that have detection capability requirements specified in Table 2.3. The absence of a value in this column indicates that no LLD is specified in the ODCM for that radionuclide in that media.

For each media type and radionuclide, the remaining three columns summarize the data for the following categories of monitoring locations: (1) the Indicator stations, which were within the range of influence of the plant and which could be affected by plant activities; (2) the station which had the highest mean concentration during 2010, and (3) the Control stations, which were beyond the influence of the plant. Direct radiation monitoring stations (using TLDs) were grouped into Indicator and Control stations. These are shown in Table 3.2.

In each of these columns, for each radionuclide, the following are given:

- The mean value of all concentrations including negative values and values that were not considered "detectable".
- The lowest and highest concentration.
- The number of detectable measurements divided by the total number of measurements.

A sample was considered a "detectable measurement" when the concentration exceeded three times its associated standard deviation. The standard deviation on each measurement represents only the random uncertainty associated with the radioactive decay process (counting statistics), and not the propagation of all possible uncertainties in the analytical procedure.

The radionuclides reported in this section represent those that: (1) had an LLD requirement in Attachment 3.20 or a Reporting Level listed in Attachment 3.21 of the ODCM, (2) had a positive measurement of radioactivity, whether it was naturally-occurring or man-made, or (3) were of specific interest for any other reason. The radionuclides that were routinely analyzed and reported by the AREVA NP Environmental Laboratory in a gamma spectroscopy analysis were: AcTh-228, Ag-108m, Ag-110m, Ba-140/La-140, Be-7, Ce-141, Ce-144, Co-57, Co-58, Co-60, Cr-51, Cs-134, Cs-137, Fe-59, I-131, K-40, Mn-54, Ru-103, Ru-106, Sb-124, Sb-125, Se-75, Zn-65 and Zr-95/Nb-95.

The radionuclides that were routinely analyzed and reported by GEL Laboratory in a gamma spectroscopy analysis were Ac-228, Th-228, Ag-108m, Ag-110m, Ba-140, La-140, Be-7, Ce-141, Ce-144, Co-57, Co-58, Co-60, Cr-51, Cs-134, Cs-137, Fe-59, I-131, K-40, Mn-54, Ru-103, Ru-106, Sb-124, Sb-125, Se-75, Zn-65, Zr-95 and Nb-95.

GEL Laboratories has been analyzing the environmental samples since June 2010, when the AREVA ELAB discontinued operations. During this transitional period there were slight differences in how the labs treated the measurement data. The main differences were the treatment of the Th-232 decay series, the Ba-140 decay series, and the Zr-95 decay series. Where the AREVA ELAB used one daughter nuclide to infer the decay series, GEL Labs measures each of the nuclides independently. Both analysis methods meet or exceed the reporting requirements as detailed in the ODCM. One other important difference between the laboratories analysis methods is the determination of a statistically significant positive concentration. The AREVA ELAB has historically flagged concentrations above three time the uncertainty in the measurement, or  $3\sigma$ . GEL Labs maintains a check on concentrations above the MDC. In measurements that meet the AREVA ELAB  $3\sigma$ , but do not count above the MDC, a footnote has been added to the summary table, Table 3-1, to indicate this. All measurement information is also contained in Appendix D.

Data from TLD direct radiation measurements was provided in Table 3.2. The complete listing of quarterly TLD data is provided in Table 3.3.

Table 3.1  
Radiological Environmental Program Summary  
Indiana Michigan Power Co., DC Cook Nuclear Plant  
(January - December 2010)

**MEDIUM: Air Particulates (AP) UNITS: pCi/cubic meter**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations
		Mean Range No. Detected**	Station	Mean Range No. Detected**	Mean Range No. Detected**	
GR-B (519) (0)	0.01	3.4E -2 ( 3.0 - 823.0)E -4 (310/ 311)	COL	4.1E -2 ( 6.9 - 4400.0)E -4 (50/ 52)	3.6E -2 ( 6.9 - 4400.0)E -4 (206/ 208)	
Be-7 (40) (0)		1.3E -1 ( 1.1 - 1.6)E -1 (24/ 24)	ONS-5	1.4E -1 ( 1.3 - 1.6)E -1 (4/ 4)	1.2E -1 ( 1.1 - 1.5)E -1 (16/ 16)	
K-40 (40) (0)		2.2E -3 ( -2.3 - 9.1)E -3 (1/ 24)	ONS-2	3.6E -3 ( 3.2 - 91.0)E -4 (0/ 4)	3.8E -4 ( -5.2 - 4.9)E -3 (0/ 16)	
Cr-51 (40) (0)		1.9E -3 ( -9.2 - 15.0)E -3 (0/ 24)	ONS-4	3.9E -3 ( -1.4 - 9.2)E -3 (0/ 4)	-2.9E -3 ( -1.7 - 2.0)E -2 (0/ 16)	
Mn-54 (40) (0)		4.2E -5 ( -4.7 - 4.4)E -4 (0/ 24)	ONS-2	9.8E -5 ( -2.5 - 3.6)E -4 (0/ 4)	-7.4E -5 ( -9.1 - 2.5)E -4 (0/ 16)	
Co-57 (40) (0)		-1.2E -5 ( -2.9 - 1.7)E -4 (0/ 24)	ONS-1	6.0E -5 ( 0.0 - 8.3)E -5 (0/ 4)	-2.1E -5 ( -1.9 - 1.9)E -4 (0/ 16)	
Co-58 (40) (0)		1.1E -5 ( -8.3 - 6.7)E -4 (1/ 24) †	ONS-5	3.0E -4 ( 8.2 - 67.0)E -5 (0/ 4)	-3.0E -5 ( -6.4 - 6.1)E -4 (0/ 16)	
Fe-59 (40) (0)		-2.4E -4 ( -3.5 - 1.1)E -3 (0/ 24)	DOW	2.1E -4 ( -2.1 - 2.2)E -3 (0/ 4)	-4.2E -4 ( -2.1 - 2.2)E -3 (0/ 16)	
Co-60 (40) (0)		3.6E -5 ( -2.6 - 6.9)E -4 (0/ 24)	NBF	3.1E -4 ( 6.4 - 64.0)E -5 (0/ 4)	1.2E -4 ( -4.7 - 6.4)E -4 (0/ 16)	
Zn-65 (40) (0)		6.8E -5 ( -1.1 - 2.7)E -3 (0/ 24)	ONS-4	6.1E -4 ( -1.1 - 2.7)E -3 (0/ 4)	-2.5E -4 ( -1.0 - 1.0)E -3 (0/ 16)	
Se-75 (40) (0)		2.1E -5 ( -3.8 - 7.3)E -4 (0/ 24)	ONS-4	2.6E -4 ( -2.5 - 7.3)E -4 (0/ 4)	2.2E -5 ( -7.4 - 4.8)E -4 (1/ 16) †	
Nb-95 (40) (0)		2.0E -4 ( -1.5 - 1.8)E -3 (0/ 24)	DOW	9.7E -4 ( 1.8 - 18.0)E -4 (0/ 4)	1.6E -4 ( -8.0 - 18.0)E -4 (0/ 16)	



Table 3.1  
Radiological Environmental Program Summary  
Indiana Michigan Power Co., DC Cook Nuclear Plant  
(January - December 2010)

**MEDIUM: Air Particulates (AP) UNITS: pCi/cubic meter**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations
		Mean Range No. Detected**	Station	Mean Range No. Detected**	Mean Range No. Detected**	
Zr-95 (40) (0)		-1.1E -4 ( -7.9 - 5.5)E -4 (0/ 24)	COL	4.9E -4 ( -2.7 - 9.0)E -4 (0/ 4)	1.7E -4 ( -1.0 - 0.9)E -3 (0/ 16)	
Ru-103 (40) (0)		-2.7E -5 ( -1.1 - 1.1)E -3 (0/ 24)	ONS-4	3.8E -4 ( -2.8 - 11.0)E -4 (0/ 4)	3.7E -5 ( -8.4 - 8.2)E -4 (0/ 16)	
Ru-106 (40) (0)		5.5E -4 ( -2.7 - 3.1)E -3 (0/ 24)	ONS-6	1.5E -3 ( 8.2 - 270.0)E -5 (0/ 4)	-6.7E -5 ( -3.3 - 3.9)E -3 (0/ 16)	
Ag-108m (40) (0)		1.4E -5 ( -3.5 - 2.7)E -4 (0/ 24)	ONS-5	1.0E -4 ( 4.0 - 26.0)E -5 (0/ 4)	-5.9E -5 ( -3.5 - 1.7)E -4 (0/ 16)	
Ag-110m (40) (0)		-1.9E -5 ( -5.6 - 5.6)E -4 (0/ 24)	ONS-6	2.1E -4 ( -1.0 - 5.5)E -4 (0/ 4)	-2.8E -5 ( -5.5 - 5.7)E -4 (0/ 16)	
Sb-124 (40) (0)		-6.9E -5 ( -4.8 - 4.4)E -3 (0/ 24)	ONS-2	6.8E -4 ( -1.0 - 4.4)E -3 (0/ 4)	0.0E 0 ( -1.4 - 1.6)E -3 (0/ 16)	
Sb-125 (40) (0)		-1.3E -4 ( -1.2 - 0.8)E -3 (0/ 24)	DOW	3.5E -4 ( 0.0 - 6.9)E -4 (0/ 4)	-1.1E -4 ( -1.7 - 0.7)E -3 (0/ 16)	
I-131 (40) (0)		-2.7E -3 ( -2.5 - 1.8)E -1 (0/ 24)	ONS-2	6.9E -2 ( 1.1 - 13.1)E -2 (0/ 4)	-1.7E -2 ( -1.7 - 1.7)E -1 (0/ 16)	
Cs-134 (40) (0)	0.06	-1.8E -5 ( -3.3 - 2.5)E -4 (0/ 24)	COL	2.2E -4 ( -2.7 - 44.0)E -5 (0/ 4)	7.2E -5 ( -2.0 - 4.4)E -4 (0/ 16)	
Cs-137 (40) (0)	0.06	-1.7E -5 ( -7.5 - 2.6)E -4 (0/ 24)	ONS-2	1.4E -4 ( -1.5 - 26.0)E -5 (0/ 4)	-3.3E -5 ( -3.8 - 3.4)E -4 (0/ 16)	
Ba-140 (40) (0)		4.4E -3 ( -1.3 - 5.2)E -2 (0/ 24)	DOW	1.4E -2 ( -8.0 - 55.0)E -3 (0/ 4)	4.1E -3 ( -5.1 - 6.3)E -2 (0/ 16)	
La-140 (40) (0)		5.1E -4 ( -1.3 - 1.9)E -2 (0/ 24)	ONS-1	7.0E -3 ( -1.1 - 16.4)E -3 (0/ 4)	-1.5E -3 ( -2.7 - 1.9)E -2 (0/ 16)	

Table 3.1  
Radiological Environmental Program Summary  
Indiana Michigan Power Co., DC Cook Nuclear Plant  
(January - December 2010)

**MEDIUM: Air Particulates (AP) UNITS: pCi/cubic meter**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations	
		Mean Range No. Detected**		Station	Mean Range No. Detected**	Mean Range No. Detected**	
Ce-141 (40) (0)		9.9E -5 ( -1.0 - 1.9)E -3 (0/ 24)		ONS-1	1.0E -3 ( 1.3 - 19.1)E -4 (0/ 4)	-7.8E -5 ( -1.3 - 1.4)E -3 (0/ 16)	
Ce-144 (40) (0)		-3.2E -4 ( -2.9 - 1.3)E -3 (0/ 24)		NBF	3.8E -4 ( -8.9 - 17.0)E -4 (0/ 4)	-1.8E -4 ( -2.7 - 1.7)E -3 (0/ 16)	
Th-228 (40) (0)		5.2E -5 ( -1.0 - 1.6)E -3 (0/ 24)		DOW	7.0E -4 ( -1.2 - 16.1)E -4 (0/ 4)	1.4E -4 ( -8.0 - 16.1)E -4 (0/ 16)	
Th-232 (20) (0)		9.3E -5 ( -2.3 - 2.5)E -3 (0/ 12)		ONS-3	1.4E -3 ( 3.6 - 25.0)E -4 (0/ 2)	2.3E -4 ( -3.5 - 7.1)E -4 (0/ 8)	

\* Non-Routine refers to radionuclides exceeding the Reporting Levels in ODCM Attachment 3.21 of the ODCM

\*\* The fraction of sample analyses yielding detectable measurements (i.e., > 3 standard deviations) is shown in parentheses.

† The measured concentration was below the *a posteriori* calculated MDC.

Table 3.1  
Radiological Environmental Program Summary  
Indiana Michigan Power Co., DC Cook Nuclear Plant  
(January - December 2010)

**MEDIUM: Charcoal Cartridge (CF) UNITS: pCi/cubic meter**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations	
		Mean Range No. Detected**		Station	Mean Range No. Detected**	Mean Range No. Detected**	
I-131	(519) (0)	0.07	-4.1E -5 ( -1.8 - 1.3)E -2 (0/ 311)	ONS-4	6.4E -4 ( -9.8 - 12.8)E -3 (0/ 52)	-1.1E -2 ( -2.4 - 0.0)E 0 (1/ 208) †	

\* Non-Routine refers to radionuclides exceeding the Reporting Levels in ODCM Attachment 3.21 of the ODCM

\*\* The fraction of sample analyses yielding detectable measurements (i.e., > 3 standard deviations) is shown in parentheses.

† The measured concentration was below the *a posteriori* calculated MDC.

Table 3.1  
Radiological Environmental Program Summary  
Indiana Michigan Power Co., DC Cook Nuclear Plant  
(January - December 2010)

**MEDIUM: Ground Water (WG) UNITS: pCi/liter**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations
		Mean Range No. Detected**		Station	Mean Range No. Detected**	Mean Range No. Detected**
H-3 (68) (0)	2000	1.5E 2 ( -5.2 - 19.2)E 2 (6/ 68)		W-4	9.0E 2 ( 6.8 - 12.8)E 2 (2/ 4)	NO DATA
Be-7 (68) (0)		-9.5E -1 ( -6.6 - 2.8)E 1 (0/ 68)		MW-21	1.2E 1 ( -4.9 - 25.0)E 0 (0/ 4)	NO DATA
K-40 (68) (0)		1.9E 1 ( -5.4 - 9.7)E 1 (11/ 68)		W-9	5.8E 1 ( 1.6 - 8.5)E 1 (3/ 4)	NO DATA
Cr-51 (68) (0)		-1.5E 0 ( -4.6 - 2.8)E 1 (0/ 68)		W-2	1.2E 1 ( -2.8 - 23.0)E 0 (0/ 4)	NO DATA
Mn-54 (68) (0)	15	-4.0E -1 ( -5.4 - 2.2)E 0 (1/ 68) †		W-10	7.8E -1 ( -5.9 - 22.1)E -1 (1/ 4) †	NO DATA
Co-57 (68) (0)		5.1E -2 ( -1.9 - 1.7)E 0 (0/ 68)		W-14	5.9E -1 ( 3.0 - 130.0)E -2 (0/ 4)	NO DATA
Co-58 (68) (0)	15	-4.1E -1 ( -4.8 - 3.3)E 0 (0/ 68)		W-12	7.3E -1 ( -5.0 - 33.0)E -1 (0/ 4)	NO DATA
Fe-59 (68) (0)	30	1.9E -1 ( -8.0 - 6.4)E 0 (0/ 68)		W-10	2.3E 0 ( 7.9 - 40.0)E -1 (0/ 4)	NO DATA
Co-60 (68) (0)	15	-4.5E -2 ( -3.5 - 2.4)E 0 (0/ 68)		W-11	1.5E 0 ( -2.7 - 2400.0)E -3 (0/ 4)	NO DATA
Zn-65 (68) (0)	30	-1.0E 0 ( -8.8 - 13.6)E 0 (0/ 68)		W-5	1.4E 0 ( -2.5 - 6.5)E 0 (0/ 4)	NO DATA
Se-75 (68) (0)		-1.3E -1 ( -4.2 - 3.1)E 0 (0/ 68)		W-15	9.4E -1 ( 2.7 - 20.0)E -1 (0/ 4)	NO DATA

Table 3.1  
Radiological Environmental Program Summary  
Indiana Michigan Power Co., DC Cook Nuclear Plant  
(January - December 2010)

MEDIUM: Ground Water (WG) UNITS: pCi/liter

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations
		Mean Range No. Detected**		Station	Mean Range No. Detected**	Mean Range No. Detected**
Nb-95 (68) (0)	15	-1.2E -1 ( -6.7 - 3.0)E 0 (0/ 68)		W-7	1.0E 0 ( 3.9 - 16.0)E -1 (0/ 4)	NO DATA
Zr-95 (68) (0)	30	-2.1E -1 ( -7.1 - 6.9)E 0 (0/ 68)		W-10	1.3E 0 ( -7.8 - 47.0)E -1 (0/ 4)	NO DATA
Ru-103 (68) (0)		-8.4E -1 ( -4.6 - 5.2)E 0 (0/ 68)		W-8	2.1E -1 ( -2.2 - 5.2)E 0 (0/ 4)	NO DATA
Ru-106 (68) (0)		-1.8E 0 ( -4.3 - 3.1)E 1 (0/ 68)		W-10	7.6E 0 ( 3.9 - 15.0)E 0 (0/ 4)	NO DATA
Ag-108m (68) (0)		2.9E -2 ( -2.5 - 2.0)E 0 (0/ 68)		W-5	8.3E -1 ( -9.2 - 20.0)E -1 (0/ 4)	NO DATA
Ag-110m (68) (0)		-1.8E -1 ( -6.3 - 3.0)E 0 (0/ 68)		MW-21	1.1E 0 ( -3.8 - 27.0)E -1 (0/ 4)	NO DATA
Sb-124 (68) (0)		-3.0E -1 ( -9.8 - 8.6)E 0 (0/ 68)		W-8	2.9E 0 ( 5.5 - 47.0)E -1 (0/ 4)	NO DATA
Sb-125 (68) (0)		1.3E -3 ( -5.9 - 6.3)E 0 (1/ 68) †		W-11	3.0E 0 ( 4.0 - 5280.0)E -3 (0/ 4)	NO DATA
I-131 (68) (0)	1	-2.3E -1 ( -9.2 - 13.9)E 0 (0/ 68)		W-2	1.9E 0 ( -5.3 - 85.0)E -1 (0/ 4)	NO DATA
Cs-134 (68) (0)	15	1.9E -1 ( -3.1 - 4.0)E 0 (0/ 68)		W-3	1.3E 0 ( 4.0 - 400.0)E -2 (0/ 4)	NO DATA
Cs-137 (68) (0)	18	-1.3E -1 ( -4.7 - 4.0)E 0 (0/ 68)		W-2	7.6E -1 ( -3.0 - 22.0)E -1 (0/ 4)	NO DATA
Ba-140 (68) (0)	60	3.6E -1 ( -1.0 - 1.3)E 1 (0/ 68)		W-13	3.3E 0 ( 0.0 - 6.1)E 0 (0/ 4)	NO DATA
La-140 (68) (0)	15	-8.0E -2 ( -1.0 - 1.3)E 1 (0/ 68)		W-12	2.3E 0 ( -4.0 - 12.6)E 0 (0/ 4)	NO DATA

Table 3.1  
Radiological Environmental Program Summary  
Indiana Michigan Power Co., DC Cook Nuclear Plant  
(January - December 2010)

**MEDIUM: Ground Water (WG) UNITS: pCi/liter**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations
		Mean Range No. Detected**	Station	Mean Range No. Detected**	Mean Range No. Detected**	
Ce-141 (68) (0)		-2.6E -1 ( -8.4 - 4.8)E 0 (1/ 68) †	W-10	1.5E 0 ( -5.2 - 38.0)E -1 (0/ 4)		NO DATA
Ce-144 (68) (0)		-1.4E -1 ( -1.7 - 1.7)E 1 (0/ 68)	W-10	7.4E 0 ( -8.1 - 17.0)E 0 (0/ 4)		NO DATA
Th-228 (68) (0)		7.2E -1 ( -7.4 - 12.0)E 0 (4/ 68)	W-14	3.3E 0 ( -1.7 - 90.4)E -1 (1/ 4)		NO DATA
Th-232 (34) (0)		2.5E 0 ( -1.1 - 1.5)E 1 (0/ 34)	W-2	9.6E 0 ( 3.8 - 15.3)E 0 (0/ 2)		NO DATA

\* Non-Routine refers to radionuclides exceeding the Reporting Levels in ODCM Attachment 3.21 of the ODCM

\*\* The fraction of sample analyses yielding detectable measurements (i.e., > 3 standard deviations) is shown in parentheses.

† The measured concentration was below the *a posteriori* calculated MDC.

**Table 3.1**  
**Radiological Environmental Program Summary**  
**Indiana Michigan Power Co., DC Cook Nuclear Plant**  
**(January - December 2010)**

**MEDIUM: Steam Generator Facility Water (SG) UNITS: pCi/liter**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations
		Mean Range No. Detected**	Station	Mean Range No. Detected**	Mean Range No. Detected**	
GR-A (16) (0)		6.4E -1 ( -1.6 - 2.0)E 0 (0/ 16)	SG-4	9.6E -1 ( 1.9 - 20.5)E -1 (0/ 4)		NO DATA
GR-B (16) (0)		4.0E 1 ( 2.8 - 190.5)E 0 (15/ 16)	SG-5	1.3E 2 ( 6.9 - 19.1)E 1 (4/ 4)		NO DATA
H-3 (4) (0)	2000	6.2E 1 ( -8.4 - 18.1)E 1 (0/ 4)	SG-4	1.8E 2  (0/ 1)		NO DATA
Be-7 (16) (0)		-4.6E 0 ( -3.9 - 1.8)E 1 (0/ 16)	SG-2	4.3E 0 ( -4.2 - 18.0)E 0 (0/ 4)		NO DATA
K-40 (16) (0)		2.8E 1 ( -5.1 - 12.9)E 1 (4/ 16)	SG-5	1.1E 2 ( 8.8 - 12.9)E 1 (4/ 4)		NO DATA
Cr-51 (16) (0)		8.9E -1 ( -1.7 - 2.0)E 1 (0/ 16)	SG-1	8.0E 0 ( -3.5 - 20.0)E 0 (0/ 4)		NO DATA
Mn-54 (16) (0)	15	-3.8E -1 ( -2.3 - 1.7)E 0 (0/ 16)	SG-4	1.4E -1 ( -8.3 - 17.0)E -1 (0/ 4)		NO DATA
Co-57 (16) (0)		1.9E -1 ( -1.8 - 2.2)E 0 (0/ 16)	SG-4	5.4E -1 ( -8.7 - 14.0)E -1 (0/ 4)		NO DATA
Co-58 (16) (0)	15	-3.0E -1 ( -2.0 - 2.1)E 0 (0/ 16)	SG-2	9.0E -1 ( -6.6 - 210.0)E -2 (0/ 4)		NO DATA
Fe-59 (16) (0)	30	3.2E -1 ( -5.1 - 6.9)E 0 (0/ 16)	SG-1	1.9E 0 ( -8.9 - 46.0)E -1 (0/ 4)		NO DATA
Co-60 (16) (0)	15	4.8E -1 ( -1.7 - 2.4)E 0 (0/ 16)	SG-4	8.4E -1 ( -3.2 - 240.0)E -2 (0/ 4)		NO DATA
Zn-65 (16) (0)	30	-2.9E 0 ( -7.3 - 1.5)E 0 (0/ 16)	SG-4	-1.3E 0 ( -4.0 - 1.5)E 0 (0/ 4)		NO DATA

**Table 3.1**  
**Radiological Environmental Program Summary**  
**Indiana Michigan Power Co., DC Cook Nuclear Plant**  
**(January - December 2010)**

**MEDIUM: Steam Generator Facility Water (SG) UNITS: pCi/liter**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations
		Mean Range No. Detected**	Station	Mean Range No. Detected**	Mean Range No. Detected**	
<b>Se-75</b> (16) (0)		2.0E -1 ( -1.9 - 3.4)E 0 (0/ 16)	SG-5	1.3E 0 ( 7.3 - 24.0)E -1 (0/ 4)		NO DATA
<b>Nb-95</b> (16) (0)	15	-2.5E -1 ( -5.2 - 1.4)E 0 (0/ 16)	SG-5	3.6E -1 ( -1.4 - 1.4)E 0 (0/ 4)		NO DATA
<b>Zr-95</b> (16) (0)	30	-5.4E -1 ( -6.1 - 3.3)E 0 (0/ 16)	SG-1	3.0E -1 ( -1.5 - 3.3)E 0 (0/ 4)		NO DATA
<b>Ru-103</b> (16) (0)		-1.2E 0 ( -4.6 - 2.7)E 0 (0/ 16)	SG-1	-5.5E -1 ( -3.7 - 2.7)E 0 (0/ 4)		NO DATA
<b>Ru-106</b> (16) (0)		1.5E 0 ( -1.3 - 3.0)E 1 (0/ 16)	SG-2	6.7E 0 ( -4.3 - 30.0)E 0 (0/ 4)		NO DATA
<b>Ag-108m</b> (16) (0)		-1.5E -2 ( -2.5 - 2.7)E 0 (0/ 16)	SG-4	2.1E -1 ( -1.4 - 2.7)E 0 (0/ 4)		NO DATA
<b>Ag-110m</b> (16) (0)		-2.6E -1 ( -5.6 - 1.7)E 0 (0/ 16)	SG-2	6.3E -1 ( 0.0 - 1.7)E 0 (0/ 4)		NO DATA
<b>Sb-124</b> (16) (0)		9.0E -2 ( -7.1 - 4.4)E 0 (0/ 16)	SG-2	1.4E 0 ( -3.5 - 44.0)E -1 (0/ 4)		NO DATA
<b>Sb-125</b> (16) (0)		1.6E -1 ( -2.3 - 7.0)E 0 (0/ 16)	SG-5	5.1E -1 ( -1.9 - 4.0)E 0 (0/ 4)		NO DATA
<b>I-131</b> (16) (0)		-4.4E -1 ( -9.2 - 3.0)E 0 (0/ 16)	SG-1	4.8E -1 ( -3.2 - 3.0)E 0 (0/ 4)		NO DATA
<b>Cs-134</b> (16) (0)	15	3.7E -1 ( -1.3 - 2.5)E 0 (0/ 16)	SG-5	1.1E 0 ( 5.2 - 20.3)E -1 (0/ 4)		NO DATA



**Table 3.1**  
**Radiological Environmental Program Summary**  
**Indiana Michigan Power Co., DC Cook Nuclear Plant**  
**(January - December 2010)**

**MEDIUM: Steam Generator Facility Water (SG) UNITS: pCi/liter**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations
		Mean Range No. Detected**	Station	Mean Range No. Detected**	Mean Range No. Detected**	
<b>Cs-137</b> (16) (0)	18	-4.5E -1 ( -3.0 - 2.3)E 0 (0/ 16)	SG-1	5.8E -1 ( -1.0 - 2.3)E 0 (0/ 4)		NO DATA
<b>Ba-140</b> (16) (0)	60	4.0E -1 ( -5.8 - 6.0)E 0 (0/ 16)	SG-4	1.2E 0 ( -1.1 - 5.6)E 0 (0/ 4)		NO DATA
<b>La-140</b> (16) (0)	15	4.0E -1 ( -3.5 - 5.6)E 0 (0/ 16)	SG-5	1.4E 0 ( -1.0 - 29.6)E -1 (0/ 4)		NO DATA
<b>Ce-144</b> (16) (0)		-2.4E 0 ( -1.5 - 0.9)E 1 (0/ 16)	SG-2	1.3E 0 ( -2.2 - 8.5)E 0 (0/ 4)		NO DATA
<b>Ce-144</b> (16) (0)		-2.4E 0 ( -1.5 - 0.9)E 1 (0/ 16)	SG-2	1.3E 0 ( -2.2 - 8.5)E 0 (0/ 4)		NO DATA
<b>Ac-228</b> (16) (0)		-6.0E -1 ( -6.8 - 4.1)E 0 (0/ 16)	SG-5	1.1E 0 ( -1.8 - 4.1)E 0 (0/ 4)		NO DATA
<b>Th-232</b> (8) (0)		9.8E 0 ( -6.5 - 54.0)E 0 (1/ 8)	SG-4	3.2E 1 ( 1.0 - 5.4)E 1 (1/ 2)		NO DATA

\* Non-Routine refers to radionuclides exceeding the Reporting Levels in ODCM Attachment 3.21 of the ODCM

\*\* The fraction of sample analyses yielding detectable measurements (i.e., > 3 standard deviations) is shown in parentheses.

† The measured concentration was below the *a posteriori* calculated MDC.

Table 3.1  
Radiological Environmental Program Summary  
Indiana Michigan Power Co., DC Cook Nuclear Plant  
(January - December 2010)

**MEDIUM: Drinking Water (WD) UNITS: pCi/liter**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations
		Mean Range No. Detected**	Station	Mean Range No. Detected**	Mean Range No. Detected**	
GR-B (52) (0)	4	2.5E 0 ( -3.3 - 52.0)E -1 (10/ 26)	LTW	2.5E 0 ( -3.3 - 52.0)E -1 (10/ 26)	2.3E 0 ( 2.4 - 510.0)E -2 (7/ 26)	
H-3 (8) (0)	2000	3.6E 1 ( -1.9 - 2.4)E 2 (0/ 4)	LTW	3.6E 1 ( -1.9 - 2.4)E 2 (0/ 4)	-2.0E 1 ( -3.8 - 2.0)E 2 (0/ 4)	
Be-7 (52) (0)		-1.1E 0 ( -1.5 - 1.3)E 1 (0/ 26)	LTW	-1.1E 0 ( -1.5 - 1.3)E 1 (0/ 26)	-1.7E 0 ( -1.8 - 1.9)E 1 (0/ 26)	
K-40 (52) (0)		5.8E 0 ( -2.4 - 5.1)E 1 (4/ 26)##	LTW	5.8E 0 ( -2.4 - 5.1)E 1 (4/ 26)	5.0E 0 ( -2.8 - 3.6)E 1 (1/ 26)	
Cr-51 (52) (0)		2.0E -1 ( -1.5 - 1.4)E 1 (0/ 26)	LTW	2.0E -1 ( -1.5 - 1.4)E 1 (0/ 26)	-3.6E 0 ( -3.9 - 3.7)E 1 (0/ 26)	
Mn-54 (52) (0)	15	-4.7E -1 ( -2.6 - 1.6)E 0 (0/ 26)	STJ	-2.1E -1 ( -2.0 - 2.2)E 0 (0/ 26)	-2.1E -1 ( -2.0 - 2.2)E 0 (0/ 26)	
Co-57 (52) (0)		2.8E -1 ( -1.7 - 2.4)E 0 (0/ 26)	LTW	2.8E -1 ( -1.7 - 2.4)E 0 (0/ 26)	-1.6E -2 ( -2.7 - 1.8)E 0 (0/ 26)	
Co-58 (52) (0)	15	-5.2E -2 ( -2.8 - 2.9)E 0 (0/ 26)	LTW	-5.2E -2 ( -2.8 - 2.9)E 0 (0/ 26)	-6.4E -1 ( -2.8 - 1.0)E 0 (0/ 26)	
Fe-59 (52) (0)	30	2.7E -1 ( -2.3 - 2.9)E 0 (0/ 26)	STJ	5.7E -1 ( -3.9 - 5.1)E 0 (0/ 26)	5.7E -1 ( -3.9 - 5.1)E 0 (0/ 26)	
Co-60 (52) (0)	15	-3.5E -2 ( -2.8 - 3.4)E 0 (0/ 26)	STJ	6.2E -2 ( -2.4 - 2.3)E 0 (0/ 26)	6.2E -2 ( -2.4 - 2.3)E 0 (0/ 26)	
Zn-65 (52) (0)	30	-1.1E 0 ( -6.5 - 5.4)E 0 (0/ 26)	STJ	-5.0E -1 ( -5.4 - 4.8)E 0 (0/ 26)	-5.0E -1 ( -5.4 - 4.8)E 0 (0/ 26)	

**Table 3.1**  
**Radiological Environmental Program Summary**  
**Indiana Michigan Power Co., DC Cook Nuclear Plant**  
**(January - December 2010)**

**MEDIUM: Drinking Water (WD) UNITS: pCi/liter**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations
		Mean Range No. Detected**	Station	Mean Range No. Detected**	Mean Range No. Detected**	
<b>Se-75</b> (52) (0)		1.5E -1 ( -2.1 - 1.8)E 0 (0/ 26)	STJ	4.3E -1 ( -1.9 - 5.6)E 0 (0/ 26)	4.3E -1 ( -1.9 - 5.6)E 0 (0/ 26)	
<b>Nb-95</b> (52) (0)	15	-6.4E -2 ( -6.8 - 3.5)E 0 (0/ 26)	STJ	-1.6E -2 ( -2.4 - 1.8)E 0 (0/ 26)	-1.6E -2 ( -2.4 - 1.8)E 0 (0/ 26)	
<b>Zr-95</b> (52) (0)	30	6.3E -2 ( -6.4 - 2.4)E 0 (0/ 26)	STJ	5.8E -1 ( -2.4 - 7.6)E 0 (0/ 26)	5.8E -1 ( -2.4 - 7.6)E 0 (0/ 26)	
<b>Ru-103</b> (52) (0)		-1.4E 0 ( -3.7 - 0.4)E 0 (0/ 26)	LTW	-1.4E 0 ( -3.7 - 0.4)E 0 (0/ 26)	-1.6E 0 ( -7.5 - 0.7)E 0 (0/ 26)	
<b>Ru-106</b> (52) (0)		9.8E -1 ( -1.1 - 2.0)E 1 (0/ 26)	LTW	9.8E -1 ( -1.1 - 2.0)E 1 (0/ 26)	-1.1E -1 ( -2.0 - 1.7)E 1 (0/ 26)	
<b>Ag-108m</b> (52) (0)		-1.4E -1 ( -3.4 - 2.7)E 0 (0/ 26)	STJ	1.0E -1 ( -1.3 - 2.9)E 0 (0/ 26)	1.0E -1 ( -1.3 - 2.9)E 0 (0/ 26)	
<b>Ag-110m</b> (52) (0)		-4.3E -2 ( -3.7 - 4.1)E 0 (0/ 26)	LTW	-4.3E -2 ( -3.7 - 4.1)E 0 (0/ 26)	-9.6E -2 ( -3.3 - 3.6)E 0 (0/ 26)	
<b>Sb-124</b> (52) (0)		2.1E -1 ( -3.3 - 6.6)E 0 (0/ 26)	LTW	2.1E -1 ( -3.3 - 6.6)E 0 (0/ 26)	-7.0E -2 ( -4.4 - 3.4)E 0 (0/ 26)	
<b>Sb-125</b> (52) (0)		-9.6E -3 ( -4.2 - 3.7)E 0 (0/ 26)	STJ	6.1E -1 ( -3.8 - 7.3)E 0 (0/ 26)	6.1E -1 ( -3.8 - 7.3)E 0 (0/ 26)	
<b>I-131</b> (52) (0)	1	9.9E -2 ( -3.6 - 4.8)E -1 (0/ 26)	LTW	9.9E -2 ( -3.6 - 4.8)E -1 (0/ 26)	-1.4E -2 ( -3.9 - 4.1)E -1 (0/ 26)	
<b>Cs-134</b> (52) (0)	15	-5.2E -2 ( -1.9 - 1.4)E 0 (0/ 26)	STJ	2.0E -1 ( -2.6 - 2.2)E 0 (0/ 26)	2.0E -1 ( -2.6 - 2.2)E 0 (0/ 26)	
<b>Cs-137</b> (52) (0)	18	-1.1E -1 ( -2.2 - 1.4)E 0 (0/ 26)	LTW	-1.1E -1 ( -2.2 - 1.4)E 0 (0/ 26)	-3.9E -1 ( -3.0 - 2.5)E 0 (0/ 26)	

Table 3.1  
Radiological Environmental Program Summary  
Indiana Michigan Power Co., DC Cook Nuclear Plant  
(January - December 2010)

**MEDIUM: Drinking Water (WD) UNITS: pCi/liter**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations
		Mean Range No. Detected**		Station	Mean Range No. Detected**	Mean Range No. Detected**
Ba-140 (52) (0)	60	2.9E -1 ( -8.8 - 6.2)E 0 (0/ 26)		LTW	2.9E -1 ( -8.8 - 6.2)E 0 (0/ 26)	2.2E -1 ( -7.1 - 5.8)E 0 (0/ 26)
La-140 (52) (0)	15	-4.8E -2 ( -8.8 - 6.2)E 0 (0/ 26)		LTW	-4.8E -2 ( -8.8 - 6.2)E 0 (0/ 26)	-1.1E -1 ( -4.5 - 3.9)E 0 (0/ 26)
Ce-141 (52) (0)		-3.0E -2 ( -6.9 - 3.0)E 0 (0/ 26)		LTW	-3.0E -2 ( -6.9 - 3.0)E 0 (0/ 26)	-8.9E -1 ( -9.2 - 2.8)E 0 (0/ 26)
Ce-144 (52) (0)		4.4E -1 ( -8.1 - 10.9)E 0 (0/ 26)		LTW	4.4E -1 ( -8.1 - 10.9)E 0 (0/ 26)	-2.0E 0 ( -3.2 - 0.7)E 1 (0/ 26)
Th-228 (56) (0)		-1.1E 0 ( -1.1 - 0.7)E 1 (0/ 28)		STJ	-1.0E 0 ( -1.2 - 0.6)E 1 (0/ 28)	-1.0E 0 ( -1.2 - 0.6)E 1 (0/ 28)
Th-232 (24) (0)		1.4E 0 ( -8.8 - 10.0)E 0 (0/ 12)		LTW	1.4E 0 ( -8.8 - 10.0)E 0 (0/ 12)	5.9E -1 ( -1.1 - 1.3)E 1 (1/ 12)

\* Non-Routine refers to radionuclides exceeding the Reporting Levels in ODCM Attachment 3.21 of the ODCM

\*\* The fraction of sample analyses yielding detectable measurements (i.e., > 3 standard deviations) is shown in parentheses.

† The measured concentration was below the *a posteriori* calculated MDC.

‡ Two samples were below the *a posteriori* calculated MDC.

Table 3.1  
Radiological Environmental Program Summary  
Indiana Michigan Power Co., DC Cook Nuclear Plant  
(January - December 2010)

**MEDIUM: Surface Water (WS) UNITS: pCi/liter**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations
		Mean Range No. Detected**		Station	Mean Range No. Detected**	Mean Range No. Detected**
H-3 (8) (0)	2000	2.2E 2 ( -1.5 - 58.0)E 1 (0/ 8)		SWL-3	2.4E 2 ( -1.5 - 58.0)E 1 (0/ 4)	NO DATA
Be-7 (22) (0)		2.7E 0 ( -6.3 - 7.4)E 1 (0/ 22)		SWL-3	8.9E 0 ( -6.9 - 74.0)E 0 (0/ 11)	NO DATA
K-40 (22) (0)		2.3E 0 ( -5.0 - 4.9)E 1 (0/ 22)		SWL-2	3.1E 0 ( -2.5 - 4.9)E 1 (0/ 11)	NO DATA
Cr-51 (22) (0)		4.6E -1 ( -1.4 - 2.3)E 1 (0/ 22)		SWL-2	1.8E 0 ( -6.0 - 22.5)E 0 (0/ 11)	NO DATA
Mn-54 (22) (0)	15	-2.2E -1 ( -1.0 - 2.6)E 0 (0/ 22)		SWL-3	-2.1E -1 ( -1.0 - 0.8)E 0 (0/ 11)	NO DATA
Co-57 (22) (0)		-1.4E -2 ( -1.9 - 1.1)E 0 (0/ 22)		SWL-2	1.1E -1 ( -1.9 - 1.1)E 0 (0/ 11)	NO DATA
Co-58 (22) (0)	15	3.9E -1 ( -1.3 - 9.2)E 0 (0/ 22)		SWL-3	7.1E -1 ( -1.3 - 9.2)E 0 (0/ 11)	NO DATA
Fe-59 (22) (0)	30	5.9E -1 ( -1.0 - 0.7)E 1 (0/ 22)		SWL-2	1.6E 0 ( -2.0 - 7.0)E 0 (0/ 11)	NO DATA
Co-60 (22) (0)	15	3.6E -2 ( -8.2 - 8.0)E 0 (0/ 22)		SWL-3	8.5E -1 ( -1.4 - 8.0)E 0 (0/ 11)	NO DATA
Zn-65 (22) (0)	30	-2.7E 0 ( -4.2 - 0.7)E 1 (0/ 22)		SWL-3	-6.4E -1 ( -3.2 - 7.0)E 0 (0/ 11)	NO DATA
Nb-95 (22) (0)	15	6.7E -1 ( -1.9 - 5.1)E 0 (0/ 22)		SWL-2	7.3E -1 ( -1.9 - 5.1)E 0 (0/ 11)	NO DATA

Table 3.1  
Radiological Environmental Program Summary  
Indiana Michigan Power Co., DC Cook Nuclear Plant  
(January - December 2010)

**MEDIUM: Surface Water (WS) UNITS: pCi/liter**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations
		Mean Range No. Detected**		Station	Mean Range No. Detected**	Mean Range No. Detected**
Se-75 (22) (0)		2.8E -2 ( -2.4 - 3.4)E 0 (0/ 22)		SWL-3	1.2E -1 ( -1.3 - 3.4)E 0 (0/ 11)	NO DATA
Zr-95 (22) (0)	30	7.1E -1 ( -2.7 - 9.7)E 0 (0/ 22)		SWL-2	8.4E -1 ( -2.0 - 6.8)E 0 (0/ 11)	NO DATA
Ru-103 (22) (0)		-7.5E -1 ( -3.6 - 9.0)E 0 (0/ 22)		SWL-2	-3.5E -1 ( -3.6 - 9.0)E 0 (0/ 11)	NO DATA
Ru-106 (22) (0)		1.8E 0 ( -7.9 - 28.0)E 0 (0/ 22)		SWL-3	3.4E 0 ( -3.5 - 28.0)E 0 (0/ 11)	NO DATA
Ag-108m (22) (0)		-7.1E -2 ( -1.5 - 1.3)E 0 (0/ 22)		SWL-2	5.9E -3 ( -1.5 - 0.5)E 0 (0/ 11)	NO DATA
Ag-110m (22) (0)		-7.8E -1 ( -7.5 - 0.9)E 0 (0/ 22)		SWL-3	-4.4E -1 ( -3.1 - 0.9)E 0 (0/ 11)	NO DATA
Sb-124 (22) (0)		1.2E -1 ( -3.4 - 17.0)E 0 (0/ 22)		SWL-2	1.5E -1 ( -3.0 - 2.8)E 0 (0/ 11)	NO DATA
Sb-125 (22) (0)		7.3E -1 ( -6.0 - 4.8)E 0 (0/ 22)		SWL-2	1.4E 0 ( -1.7 - 4.8)E 0 (0/ 11)	NO DATA
I-131 (22) (0)	1	-1.0E 0 ( -5.2 - 1.8)E 1 (0/ 22)		SWL-2	1.9E 0 ( -7.5 - 18.0)E 0 (0/ 11)	NO DATA
Cs-134 (22) (0)	15	-3.0E -1 ( -3.1 - 1.1)E 0 (0/ 22)		SWL-2	-2.4E -1 ( -2.3 - 1.1)E 0 (0/ 11)	NO DATA
Cs-137 (22) (0)	18	1.1E -1 ( -1.6 - 1.6)E 0 (0/ 22)		SWL-2	2.5E -1 ( -1.4 - 1.6)E 0 (0/ 11)	NO DATA
Ba-140 (22) (0)	60	-6.9E -1 ( -1.1 - 0.4)E 1 (0/ 22)		SWL-2	3.5E -1 ( -3.0 - 4.3)E 0 (0/ 11)	NO DATA
La-140 (22) (0)	15	-3.3E -1 ( -1.1 - 0.4)E 1 (0/ 22)		SWL-2	3.2E -1 ( -3.0 - 4.3)E 0 (0/ 11)	NO DATA

**Table 3.1**  
**Radiological Environmental Program Summary**  
**Indiana Michigan Power Co., DC Cook Nuclear Plant**  
**(January - December 2010)**

**MEDIUM: Surface Water (WS)    UNITS: pCi/liter**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range No. Detected**	Station	Mean Range No. Detected**	Mean Range No. Detected**
<b>Ce-141</b> (22) (0)		-1.2E -1 ( -4.6 - 3.6)E 0 (0/ 22)	SWL-2	-7.6E -2 ( -3.7 - 3.6)E 0 (0/ 11)	NO DATA
<b>Ce-144</b> (22) (0)		-1.3E 0 ( -1.6 - 0.6)E 1 (0/ 22)	SWL-2	-8.6E -2 ( -7.5 - 6.4)E 0 (0/ 11)	NO DATA
<b>Ac-228</b> (28) (0)		1.1E -1 ( -7.8 - 5.9)E 0 (0/ 28)	SWL-2	5.5E -1 ( -5.5 - 5.9)E 0 (0/ 14)	NO DATA
<b>Th-232</b> (8) (0)		3.6E 0 ( -4.5 - 16.0)E 0 (0/ 8)	SWL-2	5.0E 0 ( -4.5 - 16.0)E 0 (0/ 4)	NO DATA

\* Non-Routine refers to radionuclides exceeding the Reporting Levels in ODCM Attachment 3.21 of the ODCM

\*\* The fraction of sample analyses yielding detectable measurements (i.e., > 3 standard deviations) is shown in parentheses.

† The measured concentration was below the *a posteriori* calculated MDC.

Table 3.1  
Radiological Environmental Program Summary  
Indiana Michigan Power Co., DC Cook Nuclear Plant  
(January - December 2010)

**MEDIUM: Sediment (SE) UNITS: pCi/kg dry**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range No. Detected**	Station	Mean Range No. Detected**	Mean Range No. Detected**
<b>Be-7</b> (4) (0)		1.6E 1 ( -3.4 - 6.0)E 1 (0/ 4)	SL-3	1.9E 1 ( 8.0 - 29.6)E 0 (0/ 2)	NO DATA
<b>K-40</b> (4) (0)		8.6E 3 ( 8.2 - 8.9)E 3 (4/ 4)	SL-2	8.7E 3 ( 8.5 - 8.9)E 3 (2/ 2)	NO DATA
<b>Cr-51</b> (4) (0)		4.2E 1 ( -4.0 - 99.9)E 0 (0/ 4)	SL-3	4.8E 1 ( -4.0 - 99.9)E 0 (0/ 2)	NO DATA
<b>Mn-54</b> (4) (0)		-2.6E 0 ( -1.4 - 0.7)E 1 (0/ 4)	SL-2	-2.0E 0 ( -6.4 - 2.4)E 0 (0/ 2)	NO DATA
<b>Co-57</b> (4) (0)		6.8E 0 ( -1.1 - 15.1)E 0 (0/ 4)	SL-2	1.0E 1 ( 5.4 - 15.1)E 0 (0/ 2)	NO DATA
<b>Co-58</b> (4) (0)		4.1E 0 ( -2.5 - 20.9)E 0 (0/ 4)	SL-3	9.2E 0 ( -2.5 - 20.9)E 0 (0/ 2)	NO DATA
<b>Fe-59</b> (4) (0)		-4.4E 1 ( -1.3 - -0.1)E 2 (0/ 4)	SL-3	-1.8E 1 ( -2.6 - -0.9)E 1 (0/ 2)	NO DATA
<b>Co-60</b> (4) (0)		-1.5E -1 ( -1.3 - 1.5)E 1 (0/ 4)	SL-2	5.5E 0 ( -3.5 - 14.6)E 0 (0/ 2)	NO DATA
<b>Zn-65</b> (4) (0)		-2.1E 1 ( -1.1 - 0.2)E 2 (0/ 4)	SL-3	1.4E 0 ( -1.2 - 1.5)E 1 (0/ 2)	NO DATA
<b>Se-75</b> (4) (0)		-6.9E -1 ( -1.1 - 1.2)E 1 (0/ 4)	SL-2	6.0E -1 ( -1.1 - 1.2)E 1 (0/ 2)	NO DATA
<b>Nb-95</b> (4) (0)		-1.8E 0 ( -2.3 - 4.3)E 1 (0/ 4)	SL-3	1.0E 1 ( -2.3 - 4.3)E 1 (0/ 2)	NO DATA



Table 3.1  
Radiological Environmental Program Summary  
Indiana Michigan Power Co., DC Cook Nuclear Plant  
(January - December 2010)

MEDIUM: Sediment (SE) UNITS: pCi/kg dry

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations
		Mean Range No. Detected**		Station	Mean Range No. Detected**	Mean Range No. Detected**
Zr-95 (4) (0)		3.6E 0 ( -1.9 - 2.6)E 1 (0/ 4)		SL-2	1.0E 1 ( -5.0 - 25.6)E 0 (0/ 2)	NO DATA
Ru-103 (4) (0)		-9.1E 0 ( -3.8 - 1.1)E 1 (0/ 4)		SL-3	-1.7E 0 ( -1.5 - 1.1)E 1 (0/ 2)	NO DATA
Ru-106 (4) (0)		-1.3E 1 ( -6.4 - 2.3)E 1 (0/ 4)		SL-2	-4.8E 0 ( -2.6 - 1.6)E 1 (0/ 2)	NO DATA
Ag-108m (4) (0)		-8.1E -1 ( -9.2 - 11.2)E 0 (0/ 4)		SL-2	1.0E 0 ( -9.2 - 11.2)E 0 (0/ 2)	NO DATA
Ag-110m (4) (0)		-5.1E 0 ( -1.7 - 0.6)E 1 (0/ 4)		SL-2	-3.3E 0 ( -1.2 - 0.6)E 1 (0/ 2)	NO DATA
Sb-124 (4) (0)		-1.1E 1 ( -2.7 - 0.2)E 1 (0/ 4)		SL-3	-6.2E 0 ( -1.4 - 0.2)E 1 (0/ 2)	NO DATA
Sb-125 (4) (0)		1.5E 1 ( -1.3 - 7.7)E 1 (0/ 4)		SL-2	4.0E 1 ( 4.0 - 76.5)E 0 (0/ 2)	NO DATA
I-131 (4) (0)		-1.3E 1 ( -1.3 - 0.6)E 2 (0/ 4)		SL-3	5.0E 1 ( 3.6 - 6.4)E 1 (0/ 2)	NO DATA
Cs-134 (4) (0)	150	1.5E 1 ( 5.5 - 28.6)E 0 (0/ 4)		SL-2	1.8E 1 ( 7.5 - 28.6)E 0 (0/ 2)	NO DATA
Cs-137 (4) (0)	180	7.7E 0 ( 1.6 - 11.6)E 0 (0/ 4)		SL-2	9.8E 0 ( 7.9 - 11.6)E 0 (0/ 2)	NO DATA
Ba-140 (4) (0)		3.4E 1 ( -5.4 - 13.8)E 1 (0/ 4)		SL-2	9.1E 1 ( 4.3 - 13.8)E 1 (0/ 2)	NO DATA
La-140 (4) (0)		1.4E 0 ( -3.7 - 3.7)E 1 (0/ 4)		SL-3	3.1E 1 ( 2.6 - 3.7)E 1 (0/ 2)	NO DATA
Ce-141 (4) (0)		-2.4E 0 ( -2.2 - 1.6)E 1 (0/ 4)		SL-2	2.3E 0 ( -1.2 - 1.6)E 1 (0/ 2)	NO DATA

**Table 3.1**  
**Radiological Environmental Program Summary**  
**Indiana Michigan Power Co., DC Cook Nuclear Plant**  
**(January - December 2010)**

**MEDIUM: Sediment (SE) UNITS: pCi/kg dry**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range No. Detected**	Station	Mean Range No. Detected**	Mean Range No. Detected**
<b>Ce-144</b>	<b>(4)</b>	<b>-2.6E 0</b>	<b>SL-2</b>	<b>3.2E 1</b>	<b>NO DATA</b>
<b>(0)</b>		<b>( -4.4 - 4.8)E 1</b> <b>(0/ 4)</b>		<b>( 1.7 - 4.8)E 1</b> <b>(0/ 2)</b>	
<b>Th-228</b>	<b>(4)</b>	<b>1.3E 2</b>	<b>SL-3</b>	<b>1.4E 2</b>	<b>NO DATA</b>
<b>(0)</b>		<b>( 9.8 - 16.5)E 1</b> <b>(1/ 4)</b>		<b>( 1.2 - 1.7)E 2</b> <b>(0/ 2)</b>	
<b>Th-232</b>	<b>(2)</b>	<b>1.1E 2</b>	<b>SL-2</b>	<b>1.3E 2</b>	<b>NO DATA</b>
<b>(0)</b>		<b>( 8.5 - 13.1)E 1</b> <b>(1/ 2)</b>		<b>(1/ 1)</b>	

\* Non-Routine refers to radionuclides exceeding the Reporting Levels in ODCM Attachment 3.21 of the ODCM

\*\* The fraction of sample analyses yielding detectable measurements (i.e., > 3 standard deviations) is shown in parentheses.

† The measured concentration was below the *a posteriori* calculated MDC.

Table 3.1  
Radiological Environmental Program Summary  
Indiana Michigan Power Co., DC Cook Nuclear Plant  
(January - December 2010)

**MEDIUM: Milk (TM) UNITS: pCi/liter**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range No. Detected**	Station	Mean Range No. Detected**	Mean Range No. Detected**
Be-7 (78) (0)		-1.7E 0 ( -3.3 - 2.5)E 1 (0/ 52)	LF	1.1E -1 ( -4.2 - 3.4)E 1 (0/ 26)	1.1E -1 ( -4.2 - 3.4)E 1 (0/ 26)
K-40 (78) (0)		1.7E 3 ( 1.3 - 2.1)E 3 (52/ 52)	MR	1.8E 3 ( 1.5 - 2.1)E 3 (26/ 26)	1.5E 3 ( 1.3 - 1.6)E 3 (26/ 26)
Cr-51 (78) (0)		-6.1E -1 ( -3.0 - 3.3)E 1 (0/ 52)	SF	-3.8E -1 ( -1.5 - 3.3)E 1 (0/ 26)	-4.3E 0 ( -3.0 - 2.0)E 1 (0/ 26)
Mn-54 (78) (0)		9.5E -2 ( -3.6 - 3.9)E 0 (0/ 52)	SF	2.6E -1 ( -3.6 - 3.9)E 0 (0/ 26)	-1.2E -1 ( -3.7 - 5.2)E 0 (0/ 26)
Co-57 (78) (0)		2.2E -1 ( -1.9 - 2.8)E 0 (0/ 52)	MR	3.4E -1 ( -1.9 - 2.8)E 0 (0/ 26)	3.8E -2 ( -2.8 - 2.6)E 0 (0/ 26)
Co-58 (78) (0)		-2.1E -1 ( -3.8 - 3.4)E 0 (0/ 52)	SF	1.8E -1 ( -3.8 - 2.5)E 0 (0/ 26)	-9.9E -2 ( -3.8 - 4.3)E 0 (0/ 26)
Fe-59 (78) (0)		6.4E -1 ( -5.6 - 11.4)E 0 (0/ 52)	MR	1.2E 0 ( -4.8 - 11.4)E 0 (0/ 26)	7.1E -1 ( -8.6 - 9.3)E 0 (0/ 26)
Co-60 (78) (0)		5.4E -2 ( -5.6 - 3.9)E 0 (0/ 52)	SF	4.8E -1 ( -2.2 - 2.7)E 0 (0/ 26)	4.3E -1 ( -2.2 - 3.3)E 0 (0/ 26)
Zn-65 (78) (0)		-1.7E 0 ( -1.4 - 1.1)E 1 (0/ 52)	LF	-1.0E 0 ( -8.4 - 12.4)E 0 (0/ 26)	-1.0E 0 ( -8.4 - 12.4)E 0 (0/ 26)
Se-75 (78) (0)		-2.8E -1 ( -5.8 - 4.5)E 0 (0/ 52)	SF	-2.7E -1 ( -5.8 - 1.7)E 0 (0/ 26)	-5.3E -1 ( -8.6 - 3.2)E 0 (0/ 26)
Nb-95 (78) (0)		1.6E -1 ( -6.9 - 4.4)E 0 (1/ 52) †	MR	1.7E -1 ( -4.3 - 2.4)E 0 (0/ 26)	-1.0E -1 ( -4.0 - 5.8)E 0 (0/ 26)

Table 3.1  
Radiological Environmental Program Summary  
Indiana Michigan Power Co., DC Cook Nuclear Plant  
(January - December 2010)

MEDIUM: Milk (TM) UNITS: pCi/liter

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations	
		Mean Range No. Detected**		Station	Mean Range No. Detected**	Mean Range No. Detected**	
Zr-95 (78) (0)		-5.4E -2 ( -7.9 - 7.2)E 0 (0/ 52)		LF	1.3E 0 ( -4.7 - 8.8)E 0 (0/ 26)	1.3E 0 ( -4.7 - 8.8)E 0 (0/ 26)	
Ru-103 (78) (0)		-8.4E -1 ( -4.5 - 3.6)E 0 (0/ 52)		SF	-7.1E -1 ( -4.4 - 3.6)E 0 (0/ 26)	-1.2E 0 ( -7.4 - 1.5)E 0 (0/ 26)	
Ru-106 (78) (0)		-3.0E 0 ( -3.5 - 2.9)E 1 (0/ 52)		LF	-9.1E -1 ( -2.8 - 1.4)E 1 (0/ 26)	-9.1E -1 ( -2.8 - 1.4)E 1 (0/ 26)	
Ag-108m (78) (0)		-2.8E -1 ( -4.0 - 3.2)E 0 (0/ 52)		LF	1.9E -1 ( -2.0 - 5.4)E 0 (0/ 26)	1.9E -1 ( -2.0 - 5.4)E 0 (0/ 26)	
Ag-110m (78) (0)		-5.9E -1 ( -7.1 - 6.3)E 0 (0/ 52)		SF	-2.0E -2 ( -5.6 - 4.8)E 0 (0/ 26)	-6.9E -1 ( -6.7 - 5.3)E 0 (0/ 26)	
Sb-124 (78) (0)		3.5E -1 ( -6.3 - 11.9)E 0 (0/ 52)		SF	5.9E -1 ( -4.9 - 11.9)E 0 (0/ 26)	-9.3E -1 ( -1.3 - 0.8)E 1 (0/ 26)	
Sb-125 (78) (0)		-3.2E -1 ( -1.9 - 0.9)E 1 (0/ 52)		SF	3.0E -1 ( -9.2 - 7.4)E 0 (0/ 26)	-5.0E -1 ( -1.4 - 0.9)E 1 (0/ 26)	
I-131 (78) (0)	1	5.4E -2 ( -3.8 - 6.5)E -1 (0/ 52)		MR	6.0E -2 ( -2.8 - 6.5)E -1 (0/ 26)	-4.5E -2 ( -4.3 - 4.7)E -1 (0/ 26)	
Cs-134 (78) (0)	15	-1.4E -1 ( -2.8 - 3.0)E 0 (0/ 52)		SF	-1.0E -1 ( -2.8 - 3.0)E 0 (0/ 26)	-1.6E -1 ( -3.7 - 3.6)E 0 (0/ 26)	
Cs-137 (78) (0)	18	2.3E -1 ( -5.0 - 5.0)E 0 (1/ 52) †		MR	6.6E -1 ( -3.0 - 5.0)E 0 (1/ 26) †	-3.4E -1 ( -5.8 - 3.1)E 0 (0/ 26)	
Ba-140 (78) (0)	60	5.4E -1 ( -5.6 - 8.3)E 0 (0/ 52)		LF	1.8E 0 ( -4.2 - 10.0)E 0 (0/ 26)	1.8E 0 ( -4.2 - 10.0)E 0 (0/ 26)	
La-140 (78) (0)	15	4.0E -1 ( -5.6 - 8.3)E 0 (0/ 52)		LF	8.7E -1 ( -4.2 - 10.0)E 0 (0/ 26)	8.7E -1 ( -4.2 - 10.0)E 0 (0/ 26)	
Ce-141 (78) (0)		-9.3E -1 ( -9.0 - 4.9)E 0 (0/ 52)		MR	-6.5E -1 ( -9.0 - 4.9)E 0 (0/ 26)	-1.4E 0 ( -9.5 - 3.0)E 0 (0/ 26)	

**Table 3.1**  
**Radiological Environmental Program Summary**  
**Indiana Michigan Power Co., DC Cook Nuclear Plant**  
**(January - December 2010)**

**MEDIUM: MILK (TM) UNITS: pCi/liter**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range No. Detected**	Station	Mean Range No. Detected**	Mean Range No. Detected**
<b>Ce-144</b> (78) (0)		1.3E 0 ( -1.9 - 2.4)E 1 (0/ 52)	SF	1.4E 0 ( -1.7 - 2.4)E 1 (0/ 26)	-1.4E 0 ( -1.5 - 1.0)E 1 (0/ 26)
<b>Th-228</b> (78) (0)		1.1E 0 ( -7.5 - 18.1)E 0 (3/ 52)	MR	1.3E 0 ( -7.5 - 18.1)E 0 (3/ 26)	1.0E -1 ( -5.3 - 8.2)E 0 (0/ 26)
<b>Th-232</b> (39) (0)		-5.5E -1 ( -1.9 - 2.0)E 1 (0/ 26)	LF	5.2E -1 ( -7.6 - 11.4)E 0 (0/ 13)	5.2E -1 ( -7.6 - 11.4)E 0 (0/ 13)

\* Non-Routine refers to radionuclides exceeding the Reporting Levels in ODCM Attachment 3.21 of the ODCM

\*\* The fraction of sample analyses yielding detectable measurements (i.e., > 3 standard deviations) is shown in parentheses.

† The measured concentration was below the *a posteriori* calculated MDC.

Table 3.1  
Radiological Environmental Program Summary  
Indiana Michigan Power Co., DC Cook Nuclear Plant  
(January - December 2010)

**MEDIUM: Fish (FH) UNITS: pCi/kg wet**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range No. Detected**	Station	Mean Range No. Detected**	Mean Range No. Detected**
Be-7 (8) (0)		1.6E 1 ( 0.0 - 3.3)E 1 (0/ 4)	OFS-S	2.8E 1 ( -2.5 - 8.1)E 1 (0/ 2)	2.5E 1 ( -3.3 - 8.1)E 1 (0/ 4)
K-40 (8) (0)		2.7E 3 ( 2.0 - 3.3)E 3 (4/ 4)	ONS-S	3.2E 3 ( 3.2 - 3.3)E 3 (2/ 2)	2.7E 3 ( 2.3 - 3.0)E 3 (4/ 4)
Cr-51 (8) (0)		-3.1E 1 ( -7.0 - 0.7)E 1 (0/ 4)	OFS-S	4.4E 1 ( 3.1 - 5.6)E 1 (0/ 2)	2.9E 1 ( 1.2 - 5.6)E 1 (0/ 4)
Mn-54 (8) (0)	130	2.8E 0 ( -2.2 - 15.0)E 0 (0/ 4)	ONS-N	6.4E 0 ( -2.2 - 15.0)E 0 (0/ 2)	3.5E -1 ( -3.3 - 2.0)E 0 (0/ 4)
Co-57 (8) (0)		-2.1E 0 ( -5.6 - 1.9)E 0 (0/ 4)	OFS-S	-1.1E 0 ( -3.0 - 0.7)E 0 (0/ 2)	-1.9E 0 ( -4.4 - 0.7)E 0 (0/ 4)
Co-58 (8) (0)	130	-1.1E 0 ( -1.0 - 0.5)E 1 (0/ 4)	ONS-S	3.6E 0 ( 2.7 - 4.6)E 0 (0/ 2)	-3.8E 0 ( -9.0 - 1.4)E 0 (0/ 4)
Fe-59 (8) (0)	260	6.9E -1 ( -2.4 - 2.7)E 1 (0/ 4)	ONS-S	1.2E 1 ( -2.9 - 27.0)E 0 (0/ 2)	-1.3E 1 ( -3.0 - -0.3)E 1 (0/ 4)
Co-60 (8) (0)	130	3.8E 0 ( -7.5 - 18.0)E 0 (0/ 4)	ONS-N	8.3E 0 ( -1.4 - 18.0)E 0 (0/ 2)	-1.9E 0 ( -6.9 - 2.0)E 0 (0/ 4)
Zn-65 (8) (0)	260	1.7E 0 ( -1.2 - 2.2)E 1 (0/ 4)	ONS-N	7.8E 0 ( -6.3 - 22.0)E 0 (0/ 2)	-3.9E 0 ( -1.3 - 0.6)E 1 (0/ 4)
Se-75 (8) (0)		2.8E 0 ( -1.3 - 14.0)E 0 (0/ 4)	ONS-N	6.4E 0 ( -1.2 - 14.0)E 0 (0/ 2)	-1.5E 0 ( -3.0 - 1.5)E 0 (0/ 4)
Nb-95 (8) (0)		-4.8E 0 ( -1.1 - 0.2)E 1 (0/ 4)	OFS-S	3.5E -1 ( -1.3 - 2.0)E 0 (0/ 2)	-3.9E 0 ( -1.1 - 0.2)E 1 (0/ 4)
Zr-95 (8) (0)		-1.2E 1 ( -2.5 - 0.5)E 1 (0/ 4)	OFS-N	-6.2E 0 ( -7.0 - -5.4)E 0 (0/ 2)	-7.4E 0 ( -1.9 - 0.2)E 1 (0/ 4)

Table 3.1  
Radiological Environmental Program Summary  
Indiana Michigan Power Co., DC Cook Nuclear Plant  
(January - December 2010)

MEDIUM: Fish (FH) UNITS: pCi/kg wet

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations	
		Mean Range No. Detected**	Station	Mean Range No. Detected**	Station	Mean Range No. Detected**	Station
Ru-103 (8) (0)		-3.8E 0 ( -1.6 - 0.9)E 1 (0/ 4)	ONS-S	1.9E 0 ( -4.8 - 8.7)E 0 (0/ 2)		-3.4E 0 ( -7.2 - 0.7)E 0 (0/ 4)	
Ru-106 (8) (0)		-2.2E 1 ( -9.0 - 0.2)E 1 (0/ 4)	ONS-N	9.3E -1 ( 0.0 - 1.9)E 0 (0/ 2)		-2.4E 1 ( -7.2 - 1.5)E 1 (0/ 4)	
Ag-108m (8) (0)		-6.1E 0 ( -2.2 - 0.3)E 1 (0/ 4)	ONS-S	-2.6E 0 ( -5.8 - 0.7)E 0 (0/ 2)		-5.3E 0 ( -8.3 - -1.9)E 0 (0/ 4)	
Ag-110m (8) (0)		-6.7E -1 ( -6.3 - 9.0)E 0 (0/ 4)	OFS-N	3.2E 0 ( -5.6 - 12.0)E 0 (0/ 2)		-1.8E 0 ( -1.1 - 1.2)E 1 (0/ 4)	
Sb-124 (8) (0)		4.6E 0 ( 0.0 - 1.3)E 1 (0/ 4)	ONS-S	6.7E 0 ( 4.6 - 130.0)E -1 (0/ 2)		-1.3E 1 ( -3.1 - 1.1)E 1 (0/ 4)	
Sb-125 (8) (0)		-7.8E 0 ( -1.6 - -0.3)E 1 (0/ 4)	OFS-N	3.9E 0 ( 8.0 - 70.0)E -1 (0/ 2)		-8.2E 0 ( -3.8 - 0.7)E 1 (0/ 4)	
I-131 (8) (0)		-7.4E 0 ( -5.1 - 1.4)E 1 (0/ 4)	OFS-S	2.5E 1 ( 1.3 - 3.8)E 1 (0/ 2)		2.1E 1 ( -5.4 - 40.0)E 0 (0/ 4)	
Cs-134 (8) (0)	130	5.4E 0 ( 8.9 - 140.0)E -1 (0/ 4)	ONS-N	8.2E 0 ( 2.5 - 14.0)E 0 (0/ 2)		5.1E -1 ( -2.9 - 6.8)E 0 (0/ 4)	
Cs-137 (8) (0)	150	9.4E 0 ( 7.0 - 13.0)E 0 (0/ 4)	ONS-N	1.0E 1 ( 7.0 - 13.0)E 0 (0/ 2)		2.4E 0 ( -8.0 - 26.5)E 0 (1/ 4)	
Ba-140 (8) (0)		1.7E 1 ( 0.0 - 4.9)E 1 (0/ 4)	ONS-S	3.5E 1 ( 2.0 - 4.9)E 1 (0/ 2)		1.6E 1 ( 0.0 - 4.0)E 1 (0/ 4)	
La-140 (8) (0)		9.1E 0 ( 0.0 - 2.0)E 1 (0/ 4)	ONS-S	1.5E 1 ( 1.1 - 2.0)E 1 (0/ 2)		5.6E 0 ( 0.0 - 1.1)E 1 (0/ 4)	
Ce-141 (8) (0)		-1.1E 1 ( -2.6 - 0.2)E 1 (0/ 4)	OFS-S	-1.8E 0 ( -3.6 - 0.0)E 0 (0/ 2)		-7.0E 0 ( -2.4 - 0.0)E 1 (0/ 4)	

**Table 3.1**  
**Radiological Environmental Program Summary**  
**Indiana Michigan Power Co., DC Cook Nuclear Plant**  
**(January - December 2010)**

**MEDIUM: Fish (FH) UNITS: pCi/kg wet**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range No. Detected**	Station	Mean Range No. Detected**	Mean Range No. Detected**
<b>Ce-144</b>	(8)	2.6E 1	ONS-N	4.5E 1	-1.3E 1
	(0)	( -1.0 - 7.1)E 1 (0/ 4)		( 1.9 - 7.1)E 1 (0/ 2)	( -3.4 - 0.4)E 1 (0/ 4)
<b>Th-228</b>	(8)	5.2E 0	ONS-S	1.1E 1	-2.9E 0
	(0)	( -5.9 - 28.2)E 0 (0/ 4)		( -5.9 - 28.2)E 0 (0/ 2)	( -1.7 - 0.8)E 1 (0/ 4)
<b>Th-232</b>	(4)	6.7E 1	ONS-N	9.2E 1	-4.5E 1
	(0)	( 4.2 - 9.2)E 1 (0/ 2)		(0/ 1)	( -5.0 - -3.9)E 1 (0/ 2)

\* Non-Routine refers to radionuclides exceeding the Reporting Levels in ODCM Attachment 3.21 of the ODCM

\*\* The fraction of sample analyses yielding detectable measurements (i.e., > 3 standard deviations) is shown in parentheses.

† The measured concentration was below the *a posteriori* calculated MDC.



**Table 3.1**  
**Radiological Environmental Program Summary**  
**Indiana Michigan Power Co., DC Cook Nuclear Plant**  
**(January - December 2010)**

**MEDIUM: Food Products (TF) UNITS: pCi/kg wet**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range No. Detected**	Station	Mean Range No. Detected**	Mean Range No. Detected**
Be-7 (2) (0)		3.3E 1	OFS-G	1.1E 2	1.1E 2
		(0/ 1)		(1/ 1)	(1/ 1)
K-40 (2) (0)		1.6E 3	OFS-G	2.3E 3	2.3E 3
		(1/ 1)		(1/ 1)	(1/ 1)
Cr-51 (2) (0)		5.3E 0	OFS-G	1.9E 1	1.9E 1
		(0/ 1)		(0/ 1)	(0/ 1)
Mn-54 (2) (0)		-2.4E 0	OFS-G	2.4E 0	2.4E 0
		(0/ 1)		(0/ 1)	(0/ 1)
Co-57 (2) (0)		1.0E 0	ONS-G	1.0E 0	4.7E -1
		(0/ 1)		(0/ 1)	(0/ 1)
Co-58 (2) (0)		6.0E -1	ONS-G	6.0E -1	-6.1E -1
		(0/ 1)		(0/ 1)	(0/ 1)
Fe-59 (2) (0)		2.5E 0	ONS-G	2.5E 0	-5.7E 0
		(0/ 1)		(0/ 1)	(0/ 1)
Co-60 (2) (0)		8.9E -2	OFS-G	2.3E 0	2.3E 0
		(0/ 1)		(0/ 1)	(0/ 1)
Zn-65 (2) (0)		-1.2E 1	OFS-G	-4.1E 0	-4.1E 0
		(0/ 1)		(0/ 1)	(0/ 1)
Se-75 (2) (0)		2.4E 0	ONS-G	2.4E 0	-1.3E -1
		(0/ 1)		(0/ 1)	(0/ 1)
Nb-95 (2) (0)		7.4E -1	ONS-G	7.4E -1	-9.1E -2
		(0/ 1)		(0/ 1)	(0/ 1)

Table 3.1  
 Radiological Environmental Program Summary  
 Indiana Michigan Power Co., DC Cook Nuclear Plant  
 (January - December 2010)

**MEDIUM: Food Products (TF) UNITS: pCi/kg wet**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations		
		Mean Range	No. Detected**	Station	Mean Range	No. Detected**	Mean Range	No. Detected**
Zr-95 (2) (0)		-4.0E -1	(0/ 1)	ONS-G	-4.0E -1	(0/ 1)	-6.8E 0	(0/ 1)
Ru-103 (2) (0)		-1.6E 0	(0/ 1)	OFS-G	-1.2E 0	(0/ 1)	-1.2E 0	(0/ 1)
Ru-106 (2) (0)		-2.6E 1	(0/ 1)	OFS-G	-1.4E 1	(0/ 1)	-1.4E 1	(0/ 1)
Ag-108m (2) (0)		-1.4E 0	(0/ 1)	OFS-G	-1.2E 0	(0/ 1)	-1.2E 0	(0/ 1)
Ag-110m (2) (0)		-2.6E 0	(0/ 1)	OFS-G	3.6E -1	(0/ 1)	3.6E -1	(0/ 1)
Sb-124 (2) (0)		5.0E 0	(0/ 1)	ONS-G	5.0E 0	(0/ 1)	-1.4E 0	(0/ 1)
Sb-125 (2) (0)		6.8E 0	(0/ 1)	ONS-G	6.8E 0	(0/ 1)	4.3E 0	(0/ 1)
I-131 (2) (0)	60	-2.2E 0	(0/ 1)	OFS-G	-1.2E -1	(0/ 1)	-1.2E -1	(0/ 1)
Cs-134 (2) (0)	60	3.8E 0	(0/ 1)	ONS-G	3.8E 0	(0/ 1)	-5.5E 0	(0/ 1)
Cs-137 (2) (0)	60	-6.8E -1	(0/ 1)	OFS-G	2.0E 0	(0/ 1)	2.0E 0	(0/ 1)
Ba-140 (2) (0)		8.4E 0	(0/ 1)	ONS-G	8.4E 0	(0/ 1)	-4.5E -1	(0/ 1)
La-140 (2) (0)		6.8E -1	(0/ 1)	ONS-G	6.8E -1	(0/ 1)	-3.3E 0	(0/ 1)
Ce-141 (2) (0)		2.5E 0	(0/ 1)	ONS-G	2.5E 0	(0/ 1)	-2.5E 0	(0/ 1)

Table 3.1  
Radiological Environmental Program Summary  
Indiana Michigan Power Co., DC Cook Nuclear Plant  
(January - December 2010)

**MEDIUM: Food Products (TF) UNITS: pCi/kg wet**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations	
		Mean Range No. Detected**	Station	Mean Range No. Detected**	Mean Range No. Detected**		
<b>Ce-144</b>	<b>(2)</b>	-2.7E 0	ONS-G	-2.7E 0	-6.8E 0		
	<b>(0)</b>	(0/ 1)		(0/ 1)	(0/ 1)		
<b>Th-228</b>	<b>(4)</b>	-6.3E 0	OFS-G	3.2E 0	3.2E 0		
	<b>(0)</b>	( -1.4 - 0.1)E 1		( 2.1 - 4.3)E 0	( 2.1 - 4.3)E 0		
		(0/ 2)		(0/ 2)	(0/ 2)		

\* Non-Routine refers to radionuclides exceeding the Reporting Levels in ODCM Attachment 3.21 of the ODCM

\*\* The fraction of sample analyses yielding detectable measurements (i.e., > 3 standard deviations) is shown in parentheses.

† The measured concentration was below the *a posteriori* calculated MDC.

Table 3.1  
Radiological Environmental Program Summary  
Indiana Michigan Power Co., DC Cook Nuclear Plant  
(January - December 2010)

**MEDIUM: Vegetation (TV) UNITS: pCi/kg wet**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations	
		Mean Range No. Detected**	Station	Mean Range No. Detected**	Station	Mean Range No. Detected**	Station
Be-7 (39) (0)		1.5E 3 ( 0.0 - 4.5)E 3 (26/ 33)	ONS3-V	1.7E 3 ( 0.0 - 4.5)E 3 (14/ 16)	ONS3-V	1.5E 3 ( 5.6 - 24.7)E 2 (6/ 6)	ONS3-V
K-40 (39) (0)		3.0E 3 ( 1.2 - 6.8)E 3 (33/ 33)	ONS2-V	5.4E 3 (1/ 1)	ONS2-V	3.6E 3 ( 1.7 - 5.1)E 3 (6/ 6)	ONS2-V
Cr-51 (39) (0)		-1.3E 1 ( -5.7 - 2.8)E 2 (0/ 33)	ONS2-V	2.1E 2 (0/ 1)	ONS2-V	-3.8E 1 ( -1.6 - 0.5)E 2 (0/ 6)	ONS2-V
Mn-54 (39) (0)		3.4E -1 ( -1.0 - 2.6)E 1 (0/ 33)	ONS2-V	8.0E 0 (0/ 1)	ONS2-V	-8.4E -1 ( -6.2 - 6.0)E 0 (0/ 6)	ONS2-V
Co-57 (39) (0)		5.5E -1 ( -1.1 - 0.6)E 1 (0/ 33)	ONS2-V	3.6E 0 (0/ 1)	ONS2-V	1.2E 0 ( -7.2 - 17.6)E 0 (0/ 6)	ONS2-V
Co-58 (39) (0)		-7.5E -1 ( -2.9 - 3.1)E 1 (0/ 33)	OFS-V	4.3E 0 ( -7.0 - 28.0)E 0 (0/ 6)	OFS-V	4.3E 0 ( -7.0 - 28.0)E 0 (0/ 6)	OFS-V
Fe-59 (39) (0)		-2.5E 0 ( -4.7 - 6.3)E 1 (0/ 33)	ONS1-V	5.0E -1 ( -3.9 - 6.3)E 1 (0/ 16)	ONS1-V	-1.3E 1 ( -4.1 - 0.7)E 1 (0/ 6)	ONS1-V
Co-60 (39) (0)		-2.1E -2 ( -2.3 - 3.2)E 1 (0/ 33)	ONS2-V	7.0E 0 (0/ 1)	ONS2-V	4.1E -1 ( -5.0 - 4.0)E 0 (0/ 6)	ONS2-V
Zn-65 (39) (0)		-5.6E 0 ( -3.7 - 6.6)E 1 (0/ 33)	ONS2-V	8.0E 0 (0/ 1)	ONS2-V	5.4E -1 ( -3.8 - 5.4)E 1 (0/ 6)	ONS2-V
Se-75 (39) (0)		1.3E -3 ( -1.3 - 1.6)E 1 (0/ 33)	ONS3-V	1.9E 0 ( -1.0 - 1.6)E 1 (0/ 16)	ONS3-V	-4.0E 0 ( -1.6 - 0.2)E 1 (0/ 6)	ONS3-V
Nb-95 (39) (0)		2.9E 0 ( -3.1 - 4.1)E 1 (0/ 33)	ONS2-V	6.0E 0 (0/ 1)	ONS2-V	3.3E -3 ( -7.0 - 5.5)E 0 (0/ 6)	ONS2-V

Table 3.1  
Radiological Environmental Program Summary  
Indiana Michigan Power Co., DC Cook Nuclear Plant  
(January - December 2010)

MEDIUM: Vegetation (TV) UNITS: pCi/kg wet

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations	
		Mean Range No. Detected**		Station	Mean Range No. Detected**	Mean Range No. Detected**	
Zr-95 (39) (0)		-1.2E 0 ( -6.0 - 2.2)E 1 (0/ 33)		OFS-V	6.7E 0 ( -8.0 - 25.0)E 0 (0/ 6)	6.7E 0 ( -8.0 - 25.0)E 0 (0/ 6)	
Ru-103 (39) (0)		-2.1E 0 ( -4.7 - 1.8)E 1 (0/ 33)		ONS1-V	1.9E 0 ( -6.7 - 18.0)E 0 (0/ 16)	4.7E -1 ( -3.0 - 5.0)E 0 (0/ 6)	
Ru-106 (39) (0)		-8.5E 0 ( -1.2 - 1.3)E 2 (0/ 33)		ONS3-V	-2.8E 0 ( -1.0 - 1.3)E 2 (0/ 16)	-5.5E 1 ( -1.5 - 0.0)E 2 (0/ 6)	
Ag-108m (39) (0)		-4.0E -1 ( -1.3 - 0.7)E 1 (0/ 33)		ONS1-V	-2.4E -2 ( -6.1 - 4.7)E 0 (0/ 16)	-2.5E 0 ( -7.7 - 4.8)E 0 (0/ 6)	
Ag-110m (39) (0)		1.7E -1 ( -2.5 - 3.3)E 1 (0/ 33)		OFS-V	2.6E 0 ( -1.0 - 2.7)E 1 (0/ 6)	2.6E 0 ( -1.0 - 2.7)E 1 (0/ 6)	
Sb-124 (39) (0)		-5.7E 0 ( -8.2 - 3.6)E 1 (0/ 33)		ONS3-V	-6.2E -1 ( -3.7 - 3.6)E 1 (0/ 16)	-3.0E 0 ( -1.7 - 1.1)E 1 (0/ 6)	
Sb-125 (39) (0)		7.2E -3 ( -3.5 - 5.6)E 1 (1/ 33) †		ONS1-V	1.8E 0 ( -2.0 - 5.6)E 1 (1/ 16) †	-9.7E 0 ( -5.4 - 3.4)E 1 (0/ 6)	
I-131 (39) (0)	60	2.7E 0 ( -2.0 - 2.9)E 1 (0/ 33)		OFS-V	6.4E 0 ( -9.6 - 17.0)E 0 (0/ 6)	6.4E 0 ( -9.6 - 17.0)E 0 (0/ 6)	
Cs-134 (39) (0)	60	1.2E 0 ( -2.0 - 2.3)E 1 (0/ 33)		ONS2-V	4.0E 0 (0/ 1)	-2.2E 0 ( -1.4 - 0.8)E 1 (0/ 6)	
Cs-137 (39) (0)	60	8.5E 0 ( -3.3 - 13.5)E 1 (3/ 33) ‡		ONS3-V	1.1E 1 ( -3.3 - 13.5)E 1 (2/ 16)	3.8E 0 ( -5.0 - 18.1)E 0 (0/ 6)	
Ba-140 (39) (0)		-1.5E 1 ( -2.6 - 0.8)E 2 (0/ 33)		OFS-V	1.0E 1 ( -1.9 - 3.2)E 1 (0/ 6)	1.0E 1 ( -1.9 - 3.2)E 1 (0/ 6)	
La-140 (39) (0)		-1.7E 1 ( -2.6 - 0.8)E 2 (0/ 33)		OFS-V	8.4E 0 ( -2.5 - 32.0)E 0 (0/ 6)	8.4E 0 ( -2.5 - 32.0)E 0 (0/ 6)	
Ce-141 (39) (0)		-3.9E -1 ( -4.4 - 2.9)E 1 (0/ 33)		ONS2-V	2.9E 1 (0/ 1)	-7.3E 0 ( -2.1 - 0.4)E 1 (0/ 6)	

Table 3.1  
Radiological Environmental Program Summary  
Indiana Michigan Power Co., DC Cook Nuclear Plant  
(January - December 2010)

**MEDIUM: Vegetation (TV) UNITS: pCi/kg wet**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean Range No. Detected**	Station	Mean Range No. Detected**	Mean Range No. Detected**
<b>Ce-144</b> (39) (0)		4.3E 0 ( -3.7 - 6.3)E 1 (0/ 33)	ONS2-V	7.0E 0 (0/ 1)	-1.5E 1 ( -8.3 - 4.1)E 1 (0/ 6)
<b>Pb-210</b> (2) (0)		8.6E 2 ( 6.3 - 11.0)E 2 (2/ 2)	ONS3-V	8.6E 2 ( 6.3 - 11.0)E 2 (2/ 2)	NO DATA
<b>Ac-228</b> (56) (0)		1.0E 1 ( -4.1 - 16.8)E 1 (1/ 48)	ONS3-V	2.3E 1 ( -4.1 - 16.8)E 1 (1/ 24)	1.9E 1 ( -4.5 - 114.0)E 0 (0/ 8)
<b>Th-232</b> (11) (0)		1.8E 1 ( -5.3 - 6.3)E 1 (0/ 9)	ONS2-V	5.0E 1 (0/ 1)	-7.5E 0 ( -1.2 - -0.3)E 1 (0/ 2)

\* Non-Routine refers to radionuclides exceeding the Reporting Levels in ODCM Attachment 3.21 of the ODCM

\*\* The fraction of sample analyses yielding detectable measurements (i.e., > 3 standard deviations) is shown in parentheses.

† The measured concentration was below the *a posteriori* calculated MDC.

‡ The measured concentration of one of these samples was below the *a posteriori* calculated MDC.

**Table 3.2**  
**2010**  
**Environmental TLD Exposure Rate Measurements**  
**( $\mu$ R/hr)**

	<b>Indicator TLDs</b>	<b>Control TLDs</b>	<b>Highest Mean (SBN)</b>
<b>Mean</b>	<b>5.2 <math>\pm</math> 0.4</b>	<b>5.8 <math>\pm</math> 0.7</b>	<b>7.3 <math>\pm</math> 0.4</b>
<b>Range</b>	<b>4.4 – 6.0</b>	<b>4.8 - 7.8</b>	<b>7.0 - 7.8</b>
<b>No. of Measurements*</b>	<b>48</b>	<b>59</b>	<b>4</b>

- \* Each measurement was based on quarterly readings from three TLD elements.  
Units are  $\mu$ R (micro-roentgen) per hour.

Table 3.3

**2010  
ENVIRONMENTAL TLD DATA SUMMARY**

Exposure Rate  
( $\mu\text{R/hr} \pm 1 \text{ std. dev.}$ )

Station Number	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Average Annual Exposure Rate ( $\mu\text{R/hr}$ )
T-01	5.2 $\pm$ 0.2	5.1 $\pm$ 0.1	4.8 $\pm$ 0.2	5.7 $\pm$ 0.3	5.2
T-02	5.5 $\pm$ 0.3	5.2 $\pm$ 0.3	4.9 $\pm$ 0.3	5.5 $\pm$ 0.2	5.3
T-03	4.7 $\pm$ 0.3	4.5 $\pm$ 0.2	4.4 $\pm$ 0.2	4.7 $\pm$ 0.3	4.6
T-04	5.7 $\pm$ 0.3	5.8 $\pm$ 0.2	5.7 $\pm$ 0.3	6.0 $\pm$ 0.3	5.8
T-05	5.4 $\pm$ 0.3	5.1 $\pm$ 0.2	4.8 $\pm$ 0.3	5.5 $\pm$ 0.2	5.2
T-06	5.6 $\pm$ 0.4	5.2 $\pm$ 0.3	5.2 $\pm$ 0.4	5.2 $\pm$ 0.2	5.3
T-07	5.1 $\pm$ 0.3	5.2 $\pm$ 0.2	4.9 $\pm$ 0.3	5.4 $\pm$ 0.2	5.2
T-08	5.2 $\pm$ 0.2	5.2 $\pm$ 0.2	4.7 $\pm$ 0.2	5.7 $\pm$ 0.2	5.2
T-09	5.1 $\pm$ 0.2	5.0 $\pm$ 0.2	4.6 $\pm$ 0.3	5.4 $\pm$ 0.2	5.0
T-10	5.3 $\pm$ 0.3	5.2 $\pm$ 0.2	5.0 $\pm$ 0.2	5.8 $\pm$ 0.3	5.3
T-11	5.4 $\pm$ 0.3	5.1 $\pm$ 0.1	5.2 $\pm$ 0.3	5.7 $\pm$ 0.2	5.4
T-12	5.3 $\pm$ 0.3	4.9 $\pm$ 0.2	5.2 $\pm$ 0.3	5.7 $\pm$ 0.2	5.3
NBF	6.0 $\pm$ 0.4	5.6 $\pm$ 0.3	5.3 $\pm$ 0.2	5.6 $\pm$ 0.2	5.6
SBN	7.0 $\pm$ 0.3	7.4 $\pm$ 0.4	7.0 $\pm$ 0.2	7.8 $\pm$ 0.3	7.3
DOW	5.1 $\pm$ 0.2	5.0 $\pm$ 0.1	4.8 $\pm$ 0.3	5.4 $\pm$ 0.2	5.1
COL	5.0 $\pm$ 0.2	4.8 $\pm$ 0.2	4.9 $\pm$ 0.2	5.2 $\pm$ 0.2	5.0
OFT-1	5.1 $\pm$ 0.3	5.2 $\pm$ 0.2	5.0 $\pm$ 0.2	5.5 $\pm$ 0.2	5.2
OFT-2	5.4 $\pm$ 0.3	5.5 $\pm$ 0.4	5.1 $\pm$ 0.2	6.1 $\pm$ 0.2	5.5
OFT-3	5.4 $\pm$ 0.3	5.5 $\pm$ 0.2	5.2 $\pm$ 0.2	6.0 $\pm$ 0.3	5.5
OFT-4	5.8 $\pm$ 0.4	5.6 $\pm$ 0.2	5.4 $\pm$ 0.3	6.1 $\pm$ 0.2	5.7
OFT-5	5.2 $\pm$ 0.3	5.7 $\pm$ 0.2	5.2 $\pm$ 0.2	*	5.4
OFT-6	6.8 $\pm$ 0.4	6.8 $\pm$ 0.3	6.5 $\pm$ 0.2	7.1 $\pm$ 0.2	6.8
OFT-7	5.5 $\pm$ 0.3	5.7 $\pm$ 0.3	5.0 $\pm$ 0.2	6.1 $\pm$ 0.3	5.6
OFT-8	6.2 $\pm$ 0.3	6.3 $\pm$ 0.3	6.1 $\pm$ 0.3	6.9 $\pm$ 0.2	6.4
OFT-9	5.6 $\pm$ 0.3	6.1 $\pm$ 0.2	5.6 $\pm$ 0.2	6.8 $\pm$ 0.2	6.0
OFT-10	5.6 $\pm$ 0.3	5.4 $\pm$ 0.2	5.4 $\pm$ 0.5	6.1 $\pm$ 0.2	5.6
OFT-11	6.6 $\pm$ 0.3	6.3 $\pm$ 0.2	6.2 $\pm$ 0.2	6.9 $\pm$ 0.3	6.5

\* Sample lost and is documented in section 4.1 as a deviation.



#### 4.0 ANALYSIS OF ENVIRONMENTAL RESULTS

##### 4.1 Sampling Program Deviations

The Off-Site Dose Calculation Manual (ODCM) states in Section 3.5 that the environmental sampling and analysis program shall be conducted as specified in Attachment 3.19 at the locations specified in the same attachment. Deviations are permitted from the required sampling schedule if specimens are unobtainable due to hazardous conditions, seasonal unavailability, malfunction of automatic sampling equipment or other legitimate reasons. If specimens are unobtainable due to sampling equipment malfunction, every effort shall be made to complete corrective action prior to the end of the next sampling period.

All deviations from the sampling schedule shall be documented in the Annual Radiological Environmental Operating Report pursuant to Section 3.5.2 of the ODCM. The following deviations were noted for the 2010 sampling program:

1. 1/2/10 to 3/6/10, 12/13/2010 and 12/18/2010 to 12/31/2010: Due to personnel safety/seasonal unavailability issues (extremely harsh weather conditions and/or ice buildup along the shoreline) routine sampling of Lake Michigan Surface Water at SWL-2 and SWL-3 was not performed. Data sheet 1, Documentation of Unavailable samples, of 12-THP-6010-RPP-630 was written to document this event. Actions to prevent recurrence of this issue are not practical at this time.
2. 1/1/10 to 12/31/10: The required number of indicator milk samples (minimum of three) was not collected due to the retirement of Glen Troy Farm's operator and failure to locate a suitable replacement farm.

This occurrence was documented using data sheet 1 (Documentation of Unavailable Samples) to 12-THP-6010-RPP-630 and in plant Condition Report 04351048.

Environmental Section personnel implemented OSD-001 required broadleaf sampling (monthly when available) per 12-THP-6010-RPP-638 "Collection of Grape and Broadleaf Samples" on 10/19/05.

The REMP Coordinator determined:

- a. Milk sampling would remain in effect at the three remaining locations (2 Indicator, 1 Control) in anticipation that an additional indicator farm or other suitable sampling regimen would be identified.
  - b. Actions to prevent recurrence of this issue are not practical at this time.
3. 1/1/10 to 3/31/10 and 10/1/10 to 12/31/10: Due to the seasonal unavailability of suitable vegetation, "Broadleaf In Lieu Of Milk" vegetation samples were not collected during these two periods. No actions to prevent recurrence of this issue were identified at this time.

4. 01/25/2010 – On Sunday 1/24/2010 at 13:24, the REMP Coordinator received notification from the Telemetric Monitoring System that REMP air sampling station ONS-4 (on site # 4) had lost power. The REMP Coordinator checked the air station on Monday 1/25/10, and found that the air sample pump was not running. The REMP coordinator reset the ground fault interrupter and the pump restarted at 09:22. The power outage and loss of runtime was 19 hours and 30 minutes. The AVT-100 totalizer maintained and displayed all of the data recorded up to the power outage. When the power was restored, the totalizer picked up where it had left off and continued to perform its function as designed. The run time shortage due to the power outage has been documented on data sheet 1 of THP-6010-RPP-630 "Documentation of Unavailable Samples" to ensure this information is captured in the Annual Radiological Environmental Operating Report. Cook Nuclear Plant (CNP) Action Request (AR) 00863807 was generated to track this incident.
5. 3/24/2010 – During regular weekly sampling of REMP Air Stations (12-THP-6010-RPP-632), it appears that no sample was collected at ONS-4. It was noted upon removal of the sample media clamshell that the particulate filter was completely white. (After a normal week's worth of air being purged through the particulate filter, the filter appears "medium" gray in color.) The sample pump had been replaced the previous week on 3-17-2010 and that sample appeared normal. Further investigation showed that the suction tubing was not fully connected to the pump's quick disconnect. Data sheet 1 of THP-6010-RPP-630 "Documentation of Unavailable Samples" was generated to ensure this information is captured in the Annual Radiological Environmental Operating Report. CNP AR 2010-2044 was generated to track this issue.
6. 4/24/2010 – The sampling time for location ONS-2 was 18 hours less than expected. Data sheet 1 of THP-6010-RPP-630 "Documentation of Unavailable Samples" was generated to ensure this information is captured in the Annual Radiological Environmental Operating Report. No CNP AR was written.
7. 5/5/2010 – It was discovered at the COL station that the air sampling pump was not operational and no electrical power was available. Data sheet 1 of THP-6010-RPP-630 "Documentation of Unavailable Samples" was generated to ensure this information is captured in the Annual Radiological Environmental Operating Report. No CNP AR was written.
8. 5/12/2010 – AC power loss to Air Station COL due to a tripped ground fault protection after a storm. Cook Nuclear Plant (CNP) Action Request (AR) 2010-4542 was generated to track this incident.
9. 6/23/2010 – The NBF station had sampling time that was 16 hours less than expected. Data sheet 1 of THP-6010-RPP-630 "Documentation of Unavailable Samples" was generated to ensure this information is captured in the Annual Radiological Environmental Operating Report. No CNP AR was written.
10. 6/30/2010 – It was discovered at the SBN station that the sample pump was running, but the display was blank. Cook Nuclear Plant (CNP) Action Request (AR) 2010-6521 was generated to track this incident.

11. 6/30/2010 – It was discovered at the COL station that the sample pump was running, but the display was incorrect. Cook Nuclear Plant (CNP) Action Request (AR) 2010-6526 was generated to track this incident.
12. W1 Through W17- Groundwater samples for the third quarter were collected > 92 days from the prior collection (99 days) due to a lack of Environmental technician resources. These samples were collected within the allowable extension of the surveillance period (25%). No condition report was written.
13. 7/28/2010 – It was noted that at the ONS-1 station the run time was approximately 7 hours shorter than expected. This was due to a power outage. Data sheet 1 of THP-6010-RPP-630 “Documentation of Unavailable Samples” was generated to ensure this information is captured in the Annual Radiological Environmental Operating Report. No CNP AR was written.
14. 8/11/2010 – It was discovered that station SBN was without power for approximately 46 hours. The condition was not flagged by Telemetrics. Cook Nuclear Plant (CNP) Action Request (AR) 2010-8224 was generated to investigate this incident.
15. 9/1/2010 – It was noted that the AVS controller at the SBN sample pump had malfunctioned. The sample was obtained and Cook Nuclear Plant (CNP) Action Request (AR) 2010-9046 was generated to document and correct the problem.
16. 9/22/2010 – Sample station ONS-1 was without power from a storm the previous evening. Cook Nuclear Plant (CNP) Action Request (AR) 2010-9820 was generated to resolve issues of excess foliage in the area of the power supply.
17. 12/15/2010 - It was noted that air station ONS-5 did not have power. An attempt was made to re-energize the station, but power was unavailable. Transmission and Distribution personnel were immediately contacted to repair the problem. Power was restored on December 17. It was determined in the investigation that the power was most likely lost on December 13. When the telemetry vendor was contacted as to why the installed unit did not generate a loss of AC power signal, it appeared that something changed the unit's setpoints on December 13, rendering them useless. This is most likely when the power outage/surge occurred. Total run time for the ONS-5 sample collected on 12/15 is unknown, therefore voiding the sample (sample would have been part of the 268877 work order). Condition report 2010-13690 was written. On 1/5/2011, REMP personnel verified operability of the telemetry units on the other 9 air stations. Telemetry was verified to be satisfactory and operable.
18. The TLD located at OFT-5 (near corner of Lemon Creek and Shawnee) was blown away from its location by inclement weather systems and subsequently lost. The TLD was later recovered, but far too late for inclusion in these results. AWAY #2010-13773 was initiated to investigate the methods used to fasten TLDs in their various locations and to improve these methods as necessary.

#### 4.2 Comparison of Achieved LLD with Requirements

Attachment 3.20 from the ODCM (Table 2.4 in this report) lists the required Lower Limits of Detection (LLDs) for routine environmental sample analyses. As discussed in Section 3.5.2 Bases of the ODCM, on occasion, an LLD may not be achieved due to situations such as a low sample volume. In such a case, the ODCM requires the identification and discussion of the contributing factors in the Annual Radiological Environmental Operating Report. These factors are summarized below.

Actual AREVA E-LAB analyses were typically 2.5 to 3 times more “sensitive” than the LLDs required by the ODCM. For each analysis having an LLD requirement, the *a posteriori* or “after the fact” LLD calculated for that analysis was compared with the required LLD. Appendix D includes flags in the far right hand margin for any occurrences of exceeded MDC’s (note that the terms LLD and Minimum Detectable Concentration (MDC) are used interchangeably in this assessment).

During 2010, there were 14 cases where the MDC exceeded the LLD requirement, at 4 sampling stations.

The COL air sample station had insufficient run time on the 5/12/2010 sample due to a tripped ground fault circuit interrupt. The air sample filter did not meet the specified counting requirements as a result. MDC values were not met for I-131 or gross beta counts. AR 2010-4542 was written to document the occurrence.

The STJ drinking water sample from November 11 has a calculated MDC of 1.17 pCi/L for I-131. This exceeds the required MDC of 1.00 pCi/L. GEL Labs has generated CARR110412-563 to investigate the issue.

SWL-2 and SWL-3 samples had insufficient volume for the 1/16/2010 period. As a result the required MDC was not met for Fe-59, Co-60, Zn-65, Nb-95, Ba-140, La-140 in the SWL-2 sample and Fe-59, Co-60, Zn-65, Nb-95 and La-140 in the SWL-3 sample. Surface water samples during this period were not safely retrievable. These unavailable samples are documented by 12-THP-6010-RPP-630.

#### 4.3 Results Compared Against Reporting Levels

ODCM Section 3.5.2 requires a discussion in the Annual Radiological Environmental Operating Report of any instance that a radionuclide concentration exceeds the reporting levels given in Attachment 3.21 (Table 2.4 in this report). Reporting Levels are the environmental concentrations that relate to the ALARA design dose objectives of 10 CFR 50, Appendix I. It should be noted that environmental concentrations were averaged over calendar quarters for the purposes of this comparison, and that Reporting Levels apply only to measured levels of radioactivity due to plant effluents. During 2010, no Reporting Levels were exceeded.

#### 4.4 Data Analysis by Media Type – Discussion

The 2010 REMP data for each media type are discussed below. Media types were arranged in the same order as in Table 3.1. Graphical plots of monitoring data are also shown in Figures 4.1 to 4.5. With respect to data plots, all results were plotted, whether they were "detectable" or "non-detectable."

##### 4.4.1 Air Particulate

Air particulates were collected weekly on 47 mm glass fiber filters at six indicator locations and four control locations, and analyzed for gross beta radioactivity. On a quarterly basis, a gamma isotopic analysis was performed on the composite of each location's weekly particulate sample media.

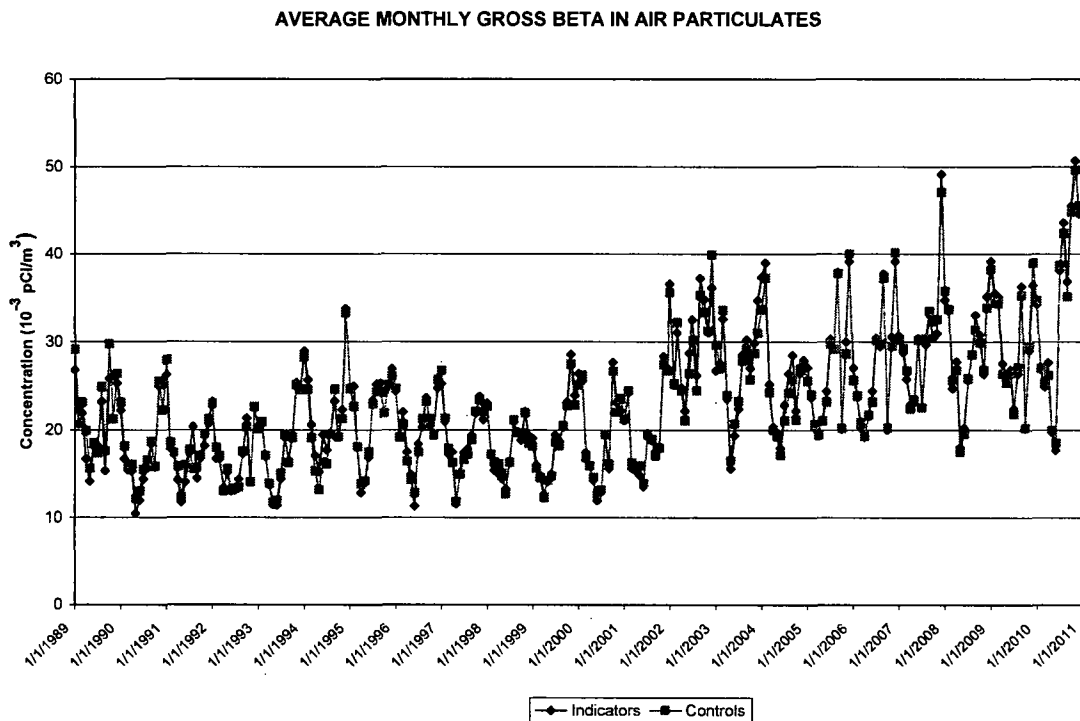
Figure 4.1 shows the gross beta concentrations in air particulate filters collected for the operating period from 1989 through 2010. While gross beta concentrations were detectable on all but one particulate samples and at all locations, there was no significant difference between the average monthly gross beta concentration at the indicator stations and the control stations during 2010 as shown in Figure 4.1.

Notable in the graph is a distinct annual cycle. The gross beta concentration fluctuations over the year were attributed to seasonal changes in the naturally-occurring airborne radioactivity levels. This conclusion was based on the similarity in fluctuations noted in gross beta concentrations at both the indicator stations and control stations.

Results for gamma isotopic analyses performed on quarterly composites of the weekly particulate samples have been listed in Table 3.1. The presence of naturally occurring Be-7 was detected in all of the indicator and control samples. One sample contained naturally occurring K-40. One gamma emitting nuclide was identified at the AREVA ELAB positive detection criterion of  $3\sigma$ , but did not meet GEL Labs positive detection criterion of greater than the MDC which were in effect at the time. Analyzing laboratories were changed in June of this year. Full details of all measurements can be found in Appendix D.

In summary, the information detailed above was evaluated and found to be consistent with data obtained during the conduct of CNP's "Pre-Operational Radiological Monitoring Program" (PRMP) [see Appendix E]. Also, no significant difference was noted between the average monthly gross beta concentration at the indicator and the control stations. Therefore, the results were not due to plant operations.

Figure 4.1



#### 4.4.2 Airborne Iodine

Airborne iodine sample media were collected weekly in conjunction with the air particulate sample media replacement. These media were analyzed for iodine-131.

No iodine was detected in any of the Indicator or Control samples above the MDC. One control sample detected I-131 at the  $3\sigma$  criterion, but the concentration was below the MDC. This is likely due to the change in analyzing laboratory in June of this year. Full details of all measurements can be found in Appendix D.

The information detailed above was evaluated and found to be consistent with data obtained during the conduct of CNP's PRMP.

#### 4.4.3 Groundwater (Well)

Groundwater samples were collected from seventeen well locations on a quarterly frequency and analyzed for gamma isotopic and tritium.

The presence of naturally-occurring K-40 was identified in eleven samples out of sixty-eight collected. The presence of K-40 in groundwater samples is attributed to natural occurrences since it is not a fission or activation product related to plant operations. Three other gamma emitting nuclides were identified at the AREVA ELAB positive

detection criterion of  $3\sigma$ , but did not meet GEL Labs positive detection criterion of greater than the MDC which were in effect at the time. Analyzing laboratories were changed in June of this year. Th-228 was detected in four of the sixty-eight samples collected. The presence of Th-228 in groundwater samples is attributed to the natural occurrence of thorium in the environment.

Tritium was detected above the associated MDC in six groundwater samples. CNP Action Request AR 848816 was generated to track these occurrences. These occurrences are detailed in Table 4.1. The low level activity in all of these samples were in areas identified to have recapture via precipitation of gaseous releases through licensed, radioactive, gaseous release points. Tritium activity in these wells is being tracked by the CNP groundwater protection initiative (GPI). Figures 4.2, 4.3 and 4.4 plot the tritium levels (both "detectable" and "non-detectable") for groundwater.

**Table 4.1 Tritium Concentrations Measured Above MDC**

Location	Concentration (pCi/l)	Reference Date
W-4	842	8-11-10
W-5	713	8-11-10
W-6	1240	8-11-10
W-14	529	8-10-10
W-15	1920	8-11-10
W-4	677	11-4-10

The information detailed above was evaluated and found to be consistent with data obtained during the conduct of CNP's PRMP. While the low level tritium activity listed above is believed to be from plant operations, it is well below action levels and has no significant impact on public health and safety.

Figure 4.2

TRITIUM IN GROUNDWATER

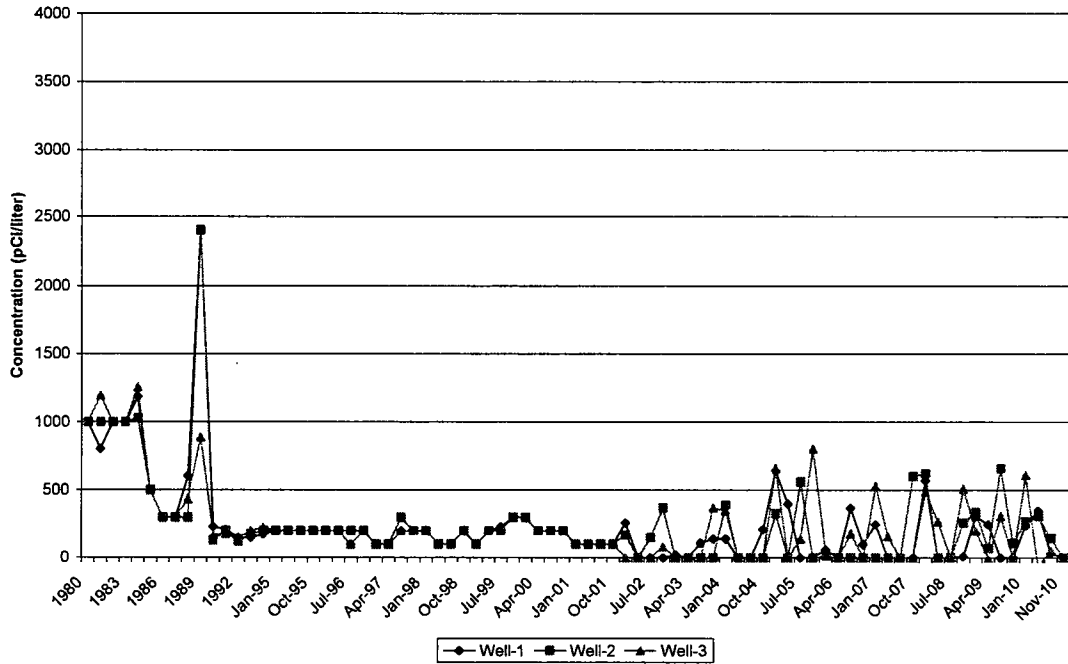


Figure 4.3

TRITIUM IN GROUNDWATER

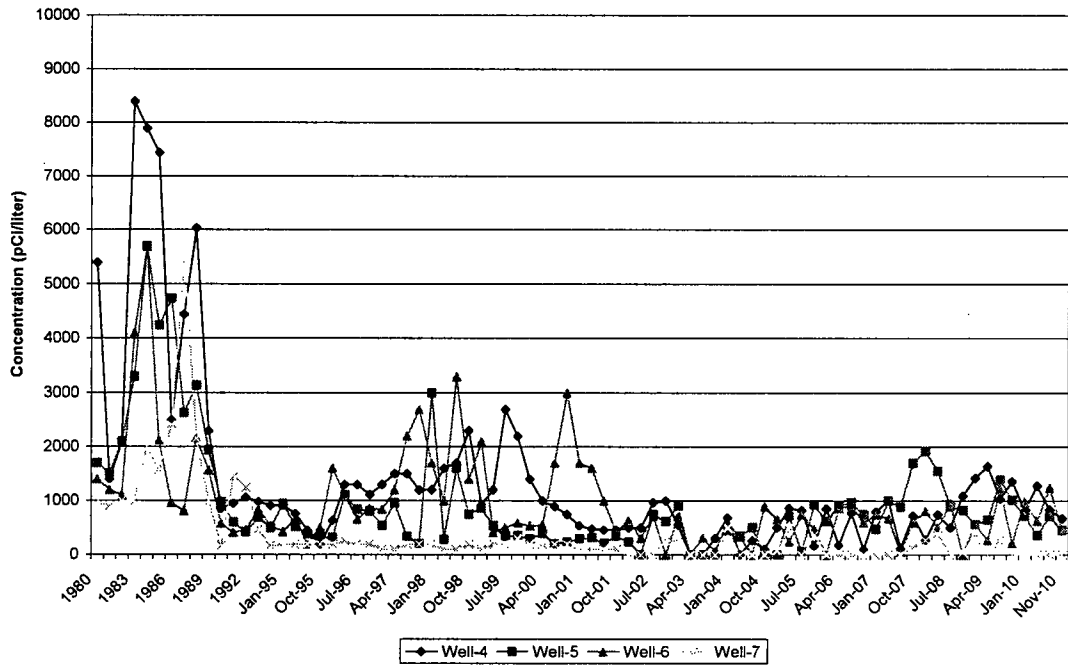
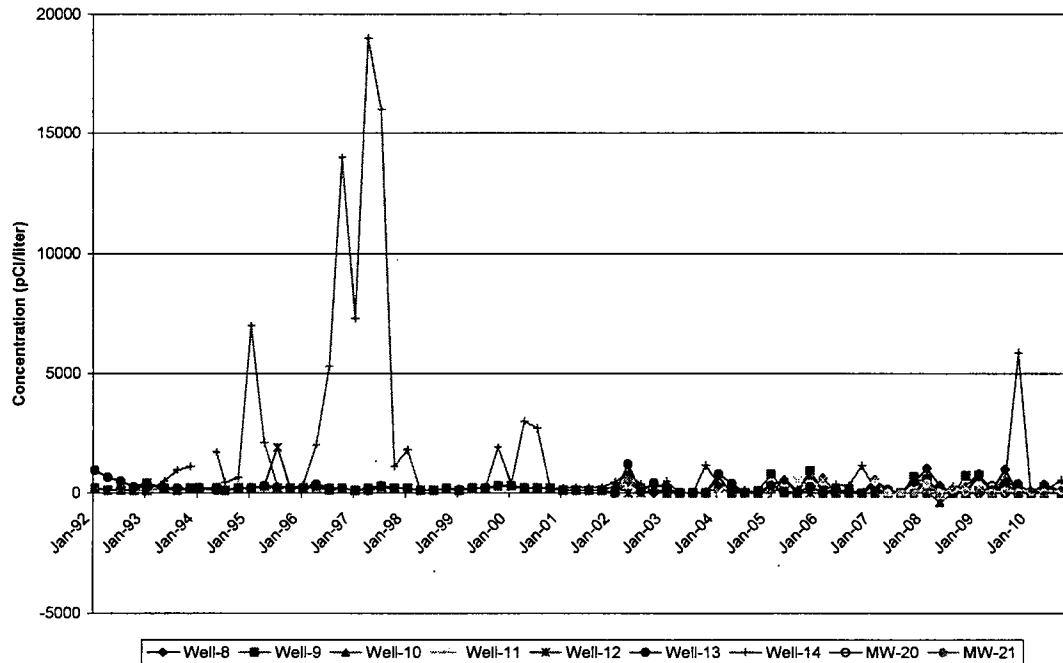




Figure 4.4

## TRITIUM IN GROUNDWATER



## 4.4.4 Drinking Water

Drinking water samples were collected from one indicator and one control station and analyzed for gamma isotopic, gross beta radioactivity and a quarterly composite for tritium.

A specific Iodine-131 low-level analysis performed on all samples indicated that no Iodine-131 was present.

Figure 4.5 shows a plot of the tritium data since 1989. Starting in 2002, all data was plotted, whether the results were negative or positive as described in Section 4.4. No tritium was detected in drinking water samples in 2010.

During 2010, the presence of gross beta radioactivity was identified in 11 indicator and 7 control samples, with activity levels similar to those observed in recent years. One control sample and two indicator samples contained the naturally-occurring K-40 at levels above the MDC. Two additional indicator samples had K-40 measured at the AREVA ELAB positive detection criterion of  $3\sigma$ , but did not meet GEL Labs positive detection criterion of greater than the MDC which were in effect at the time. Analyzing laboratories were changed in June of this year. The

naturally occurring Th-232 decay series, as indicated by AcTh-228, was detected in one control sample.

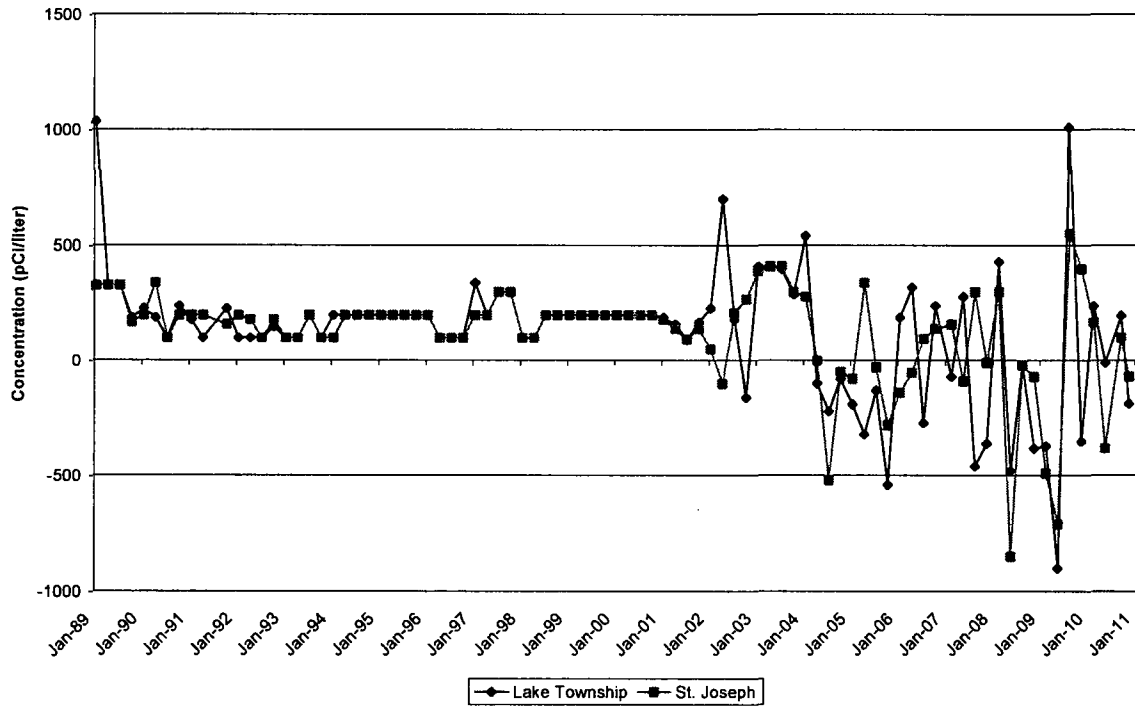
No tritium or other gamma-emitting nuclides were identified in any 2010 samples.

While drinking water sampling was not performed as part of CNP's PRMP, the information detailed above was evaluated and found to be consistent with data obtained during the plant's operational history.

This information, coupled with the identification of detectable levels of gross beta activity in both the indicator and control samples, supported the conclusion that these occurrences were not attributable to plant operations.

Figure 4.5

TRITIUM IN DRINKING WATER



4.4.5 Surface Water

Surface water samples were collected from two locations and analyzed for gamma-emitting radionuclides and tritium (quarterly). No gamma-emitting nuclides were detected in any of the samples collected in 2010. No tritium was detected in any of the samples collected in 2010.

The information detailed above was evaluated and found to be consistent with data obtained during the conduct of CNP's PRMP and past

operational periods. There has been no impact to this sample medium from plant operations.

#### 4.4.6 Sediment

Semiannual samples of lake sediments were collected from two indicator stations and analyzed for gamma-emitting nuclides. During 2010, naturally-occurring K-40 was detected in all sediment samples. One indicator sample had Th-228 and another indicator sample detected Th-232, as indicated by the detection of AcTh-228. These nuclides are expected as part of the naturally occurring thorium decay series. No other gamma-emitting nuclides were detected in any of the samples collected in 2010. Unlike past operational and pre-operational periods where traces of Cs-137 were found, no detectable Cs-137 was identified in 2010 samples.

The information detailed above was evaluated and found to be consistent with data obtained during the conduct of CNP's PRMP and the presence of a naturally-occurring nuclide (K-40, Ac-228 & Th-232) was not attributed to plant operation.

#### 4.4.7 Milk

Milk samples were collected bi-weekly from two indicator and one control station during 2010.

Results of all sample analyses identified the presence of naturally-occurring K-40, ranging in concentration from 1324 to 2130 pCi/liter, which falls into a similar range as found in previous years. The naturally occurring nuclide Th-228 was detected in three samples. This nuclide is expected as part of the naturally occurring thorium decay series.

Iodine-131 specific low level detection analyses detected no I-131.

The information detailed above was evaluated and found to be consistent with data obtained during the conduct of CNP's PRMP and the presence of naturally-occurring K-40 and Th-228 was not attributed to plant operation.

#### 4.4.8 Food Products & Vegetation

Vegetation samples (broad-leaf) analyzed for gamma-emitting nuclides identified the presence of naturally occurring K-40 and Be-7, Pb-210, and Ac-228. Two samples detected Cs-137 above the MDC within the range of 36-135 pCi/kg. One sample detected Cs-137 was identified at the AREVA ELAB positive detection criterion of  $3\sigma$ , but did not meet GEL Labs positive detection criterion of greater than the MDC which were in effect at the time. Analyzing laboratories were changed in June of this year. The presence of Cs-137 is not representative of historical data. The previous months (summer 2009) as well as previous years 2005, 2008 and 2009 were reviewed as well. There were no other instances noted where Cs-137 was present. The pre-operational samplings were

examined, unfortunately there were no broadleaf samples collected before D.C. Cook Plant construction. The presence of Cs-137 in one of the October broadleaf samples was entered into the Cook Plant corrective action program, the number of this report is 2011-1494. The evaluation of 2011-1494 concluded that the Cs-137 result was due to atmospheric weapons testing. No other gamma-emitting nuclides were detected in any of the samples.

An annual sample of food products (grapes) was analyzed for gamma-emitting radionuclides. Analysis identified only the presence of naturally-occurring Be-7 and K-40. While food product sampling was not performed as part of CNP's PRMP, the information detailed above was evaluated and found to be consistent with data obtained during the plant's operational history. The presence of detected radionuclides was not attributed to plant operations.

#### 4.4.9 Fish

Fish samples were collected on two occasions at two indicator and two control locations. Naturally-occurring K-40 was detected in all the samples. Trace levels of Cs-137 was observed in the control sample from September. The presence of Cs-137 is consistent with historical and pre-operational data. The presence of detected radionuclides was not attributed to plant operations.

The information detailed above was evaluated and found to be consistent with data obtained during the conduct of CNP's PRMP and during the plant's operational history.

#### 4.4.10 Gamma Exposure Rate

Direct radiation was continuously measured at 27 locations surrounding CNP with thermoluminescent dosimeters (TLDs). All TLDs were collected quarterly and processed at the AREVA NP Environmental Laboratory.

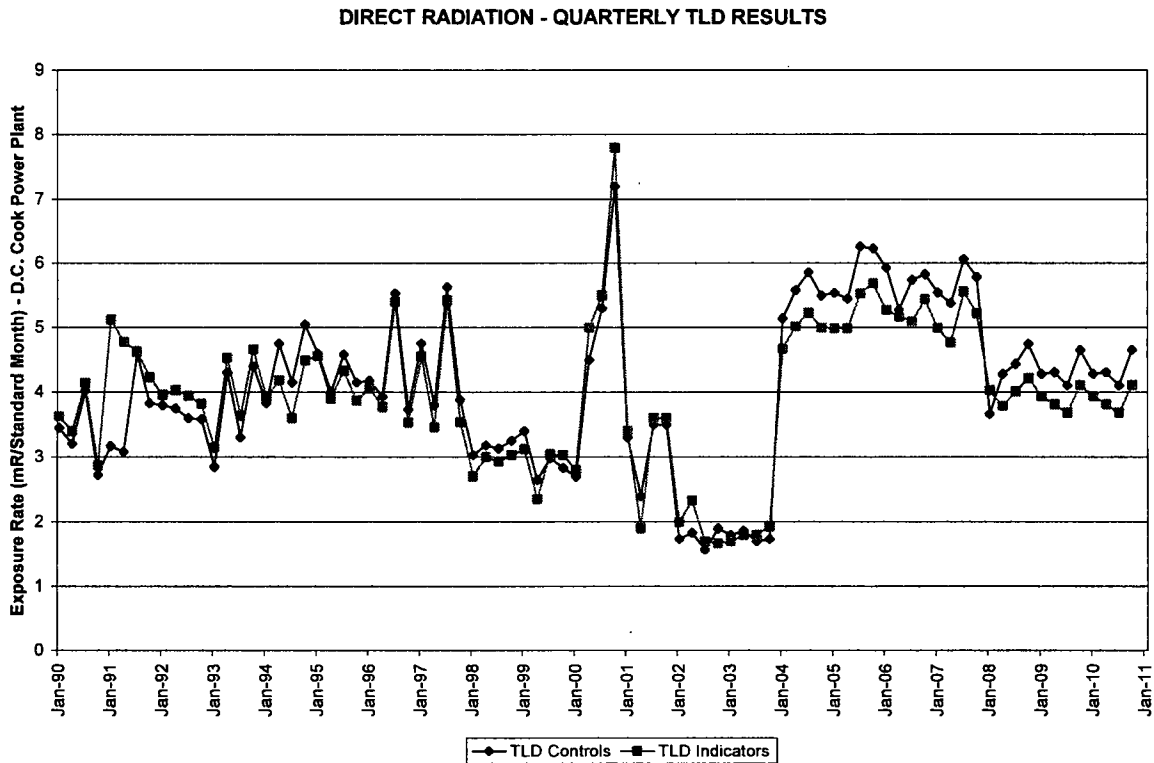
The results in Tables 3.2 and 3.3 show that the mean exposure rates for the Indicator and Control categories were not significantly different in total for 2010. As shown in Figure 4.6, there is a similar annual cycle at both indicator and control locations. The lowest point of the cycle typically occurred during the winter months. This was attributed primarily to the attenuating effect of the snow cover and frozen ground on radon emissions and on direct irradiation by naturally-occurring radionuclides in the soil. Also contributing to the variation in radiation levels at different field sites was the varying distribution of radionuclides in the underlying soil, rock or nearby building materials. Figure 4.6 also illustrates that the average trend line over the last five years for the control stations runs slightly higher than that for the in-close indicator stations, suggesting that there is no detectable plant component of direct radiation that can be seen above the natural background exposure rate.

In 2002, the AREVA NP Laboratory assumed responsibility for calibration and processing of the TLDs used for these activities. The Panasonic 802

(UD-814) TLDs that had historically been used to measure direct radioactivity around CNP were replaced with Panasonic Model UD-814 AS4 TLDs.

The information detailed above was evaluated and found to be consistent with data obtained during the conduct of CNP's PRMP.

Figure 4.6



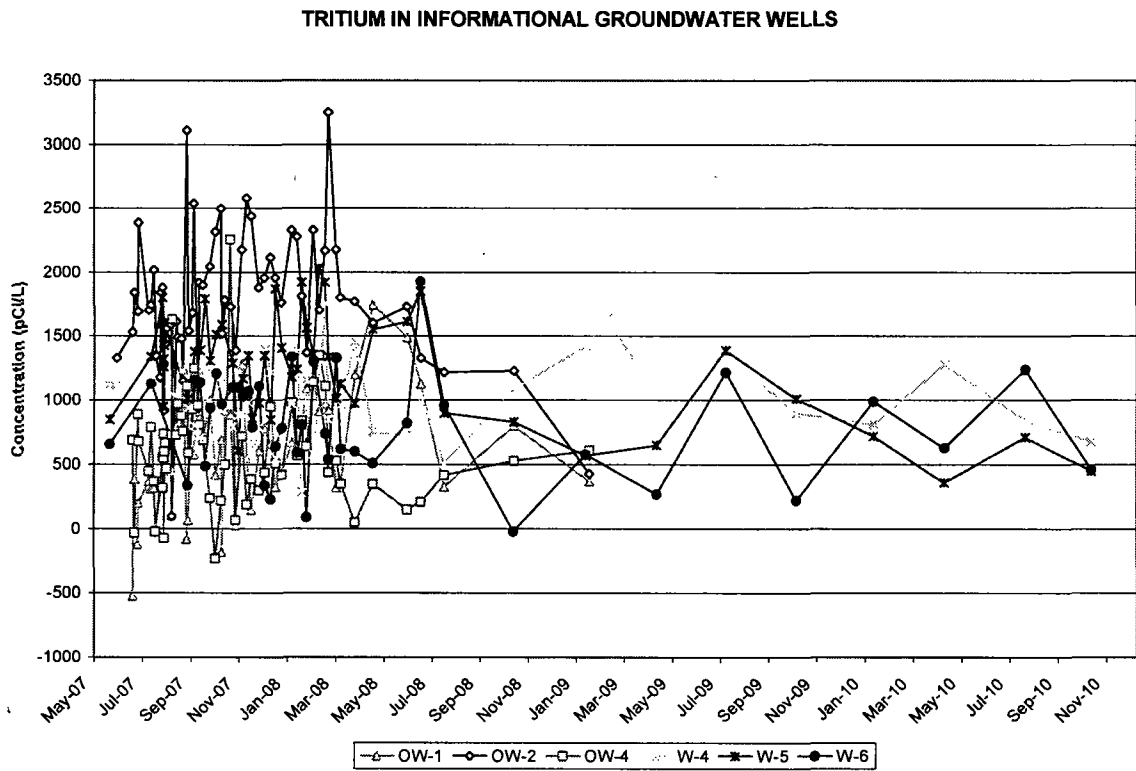
4.4.11 Additional Sample Analysis (non-ODCM required samples)

Groundwater (Radioactive Equipment Storage Facility, Steam Generator wells) – Two one-liter well water samples were taken at 4 locations periodically. These samples were analyzed for gamma isotopic and gross alpha/beta by the AREVA NP Laboratory. All samples indicated the presence of gross beta activity, which is consistent with operational history.

Informational Groundwater Wells – Samples were collected at several locations during 2010 and analyzed for tritium by the CNP Chemistry Department and AREVA NP. Activity ranged from less than the MDC to 1640 pCi/L. Figure 4.7 shows a plot of the tritium concentration in these additional groundwater wells. Tritium activity in these wells is being tracked by the CNP Groundwater Protection Program and the REMP. This activity is believed to be the result of tritium recapture via

precipitation through gaseous releases from the unit vent exhausts and then pooling around site buildings. This low level tritium activity has no significant environmental impact on public health and safety.

Figure 4.7



## 4.4.12 Additional Sample Analysis (NEI Groundwater Protection Initiative)

The results of the additional samples for the NEI Groundwater Protection initiative, as described in Section 2.5.12, is as follows.

**Table 4.2**  
Groundwater Protection Initiative Data for Location W-1 – W-8  
Samples analyzed for tritium. Values noted are in microcuries per milliliter (uCi/mL)  
Lower Limit of Detection = LLD

Date	W-1	W-2	W-3	W-4	W-5	W-6	W-7	W-8
01/26/2010			<LLD				<LLD	
01/27/2010	<LLD	<LLD						<LLD
01/28/2010				8.39E-7	9.24E-7	1.07E-6		
04/26/2010			<LLD					<LLD
04/27/2010		<LLD					<LLD	
04/29/2010	<LLD			<LLD	<LLD	<LLD		
08/08/2010		<LLD						
08/10/2010			<LLD				<LLD	
08/11/2010				<LLD	9.12E-7	9.70E-7		<LLD
11/02/2010	<LLD		<LLD					<LLD
11/03/2010		<LLD					<LLD	
11/04/2010				<LLD	1.55E-6	1.04E-6		

**Table 4.3**  
Groundwater Protection Initiative Data for Location MW-22D, MW-22M, MW-22S, MW-24D,  
MW-24M, MW-24S, MW-25D and MW-25M  
Samples analyzed for tritium. Values noted are in microcuries per milliliter (uCi/mL)  
Lower Limit of Detection = LLD

Date	MW-22D	MW-22M	MW-22S	MW-24D	MW-24M	MW-24S	MW-25D	MW-25M
01/14/2010	<LLD	<LLD	<LLD					
01/20/2010	<LLD	<LLD	<LLD					
01/26/2010	<LLD	<LLD	<LLD					
02/02/2010	<LLD	<LLD	<LLD	8.72E-7	1.26E-6	<LLD		
02/05/2010				<LLD	<LLD	<LLD		
02/10/2010				<LLD	<LLD	<LLD	<LLD	<LLD
02/19/2010	<LLD	<LLD	<LLD					
03/09/2010				<LLD	<LLD	<LLD		
03/10/2010							<LLD	<LLD
03/13/2010	<LLD	<LLD	<LLD					
04/27/2010	<LLD	<LLD	<LLD					
04/29/2010				9.09E-6	<LLD	<LLD		
04/30/2010							<LLD	<LLD
05/03/2010				7.49E-6	<LLD	<LLD		
05/04/2010				7.93E-6	<LLD	<LLD		
05/06/2010				6.87E-6	<LLD	<LLD		
05/14/2010				5.19E-6	<LLD	<LLD		
05/17/2010				5.10E-6	<LLD	<LLD	<LLD	<LLD
05/18/2010				5.80E-6	<LLD	<LLD		
05/19/2010	<LLD	<LLD	<LLD					
05/26/2010				2.62E-6	<LLD	<LLD		
06/04/2010				1.77E-6	<LLD	<LLD		
06/10/2010				2.88E-6	<LLD	<LLD		
06/18/2010				1.96E-6	<LLD	<LLD		
06/25/2010				<LLD	<LLD	<LLD	<LLD	<LLD

**Table 4.3 (Continued)**  
 Groundwater Protection Initiative Data for Location MW-22D, MW-22M, MW-22S, MW-24D,  
 MW-24M, MW-24S, MW-25D and MW-25M

Samples analyzed for tritium. Values noted are in microcuries per milliliter (uCi/mL)  
 Lower Limit of Detection = LLD

Date	MW-22D	MW-22M	MW-22S	MW-24D	MW-24M	MW-24S	MW-25D	MW-25M
06/30/2010	<LLD	<LLD	<LLD					
07/06/2010				<LLD	<LLD	<LLD		
07/21/2010	<LLD	<LLD	<LLD					
07/26/2010							<LLD	<LLD
07/30/2010				<LLD	<LLD	<LLD		
08/06/2010				<LLD	<LLD	<LLD		
08/10/2010	<LLD		<LLD					
08/11/2010				<LLD	<LLD	<LLD		
08/12/2010							<LLD	<LLD
08/21/2010				<LLD	<LLD	<LLD		
08/24/2010				<LLD	<LLD	<LLD		
08/30/2010	<LLD	<LLD	<LLD					
09/02/2010				<LLD	<LLD	<LLD		
09/08/2010				<LLD	<LLD	<LLD		
09/10/2010							<LLD	<LLD
09/14/2010				<LLD	<LLD	<LLD		
09/22/2010				<LLD	<LLD	<LLD		
09/30/2010	<LLD	<LLD	<LLD					
10/01/2010				<LLD	<LLD	<LLD		
10/04/2010				<LLD	<LLD	<LLD		
10/19/2010							<LLD	<LLD
10/20/2010							<LLD	<LLD
10/23/2010							8.56E-7	<LLD
10/28/2010				<LLD	<LLD	<LLD		
10/29/2010	<LLD	<LLD	<LLD					
10/30/2010							<LLD	<LLD
11/06/2010							<LLD	<LLD
11/08/2010							<LLD	8.57E-7
11/11/2010				<LLD	<LLD	<LLD		
11/15/2010							<LLD	8.56E-7
11/16/2010				<LLD	<LLD	<LLD		
11/19/2010	<LLD	<LLD	<LLD					
11/26/2010							<LLD	<LLD
12/01/2010				<LLD	<LLD	<LLD	<LLD	<LLD
12/06/2010							<LLD	<LLD
12/17/2010	<LLD	<LLD	<LLD					
12/20/2010							<LLD	<LLD
12/27/2010				<LLD	<LLD	<LLD	<LLD	<LLD



**Table 4.4**  
Groundwater Protection Initiative Data for Location MW-25S, MW-26D, MW-26M, MW-26S,  
MW-27D, MW-27M, MW-27S

Samples analyzed for tritium. Values noted are in microcuries per milliliter (uCi/mL)  
Lower Limit of Detection = LLD

Date	MW-25S	MW-26D	MW-26M	MW-26S	MW-27D	MW-27M	MW-27S
02/10/2010	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
03/10/2010	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
04/30/2010	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
05/17/2010	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
06/25/2010	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
07/26/2010	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
08/12/2010	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
09/10/2010	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
10/19/2010	9.50E-7	<LLD	<LLD	<LLD	9.85E-7	<LLD	1.04E-6
10/20/2010	9.93E-7	<LLD	8.52E-7	<LLD	2.43E-6	<LLD	<LLD
10/23/2010	<LLD	<LLD	<LLD	<LLD	2.42E-6	1.09E-6	1.31E-6
10/28/2010		<LLD	<LLD	<LLD			
10/30/2010	<LLD	<LLD	<LLD	<LLD	3.06E-6	1.46E-6	1.13E-6
11/06/2010	<LLD	<LLD	<LLD	<LLD	2.56E-6	1.68E-6	<LLD
11/08/2010	<LLD	<LLD	<LLD	<LLD	3.66E-6	1.68E-6	1.22E-6
11/11/2010					3.39E-6	2.20E-6	1.09E-6
11/15/2010	<LLD	<LLD	<LLD	<LLD	3.36E-6	1.83E-6	1.55E-6
11/19/2010					1.85E-6	<LLD	<LLD
11/22/2010					1.47E-6	<LLD	<LLD
11/26/2010	<LLD	<LLD	<LLD	<LLD	1.73E-6	<LLD	<LLD
12/01/2010	<LLD	<LLD	<LLD	<LLD	2.08E-6	1.42E-6	1.32E-6
12/04/2010					<LLD	<LLD	<LLD
12/06/2010	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
12/09/2010					2.02E-6	9.93E-7	1.81E-6
12/13/2010					1.92E-6	9.89E-7	1.67E-6
12/20/2010	1.36E-6	8.54E-7	<LLD	<LLD	2.38E-6	1.50E-6	1.36E-6
12/23/2010					1.18E-6	<LLD	1.04E-6
12/27/2010	1.22E-6	<LLD	<LLD	8.53E-7	1.31E-6	1.18E-6	1.17E-6
12/30/2010					1.22E-6	1.18E-6	<LLD

(Note: Wells MW-22 through MW 27 are new multi-port wells installed in the Fall of 2009, with three sample points placed at different depths. S= Shallow M= Middle D= Deep.)

(Note: A "\*" symbol following a sample result denotes a gamma count was performed. Any gamma results above LLD will be additionally flagged and documented in the analysis section.)

**Table 4.5**  
 Groundwater Protection Initiative Data for Location W-9 – W-15 and OW-1  
 Samples analyzed for tritium. Values noted are in microcuries per milliliter (uCi/mL)  
 Lower Limit of Detection = LLD

Date	W-9	W-10	W-11	W-12	W-13	W-14	W-15	OW-1
01/05/2010			<LLD				<LLD	
01/14/2010					<LLD	<LLD		
01/15/2010							<LLD	
01/20/2010					<LLD			
01/26/2010		<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	
01/27/2010	<LLD							<LLD
02/02/2010						<LLD		
02/18/2010							<LLD	
02/19/2010					<LLD	<LLD		
03/09/2010							<LLD	
03/13/2010					<LLD	<LLD		
04/26/2010		<LLD			<LLD	<LLD	<LLD	
04/27/2010	<LLD		<LLD	<LLD				
05/04/2010							8.38E-7	
05/06/2010							<LLD	
05/14/2010							<LLD	
05/17/2010							9.05E-7	
05/18/2010							<LLD	
05/19/2010					<LLD	<LLD		
05/26/2010							<LLD	
06/04/2010							9.01E-7	
06/11/2010							1.20E-6	
06/18/2010							1.48E-6	
06/25/2010							8.70E-7	
06/30/2010					<LLD	<LLD		
07/06/2010							<LLD	
07/21/2010					<LLD	<LLD		
07/30/2010							1.16E-6	
08/06/2010							1.29E-6	
08/10/2010		<LLD	<LLD	<LLD	<LLD	<LLD		
08/11/2010	<LLD						1.55E-6	
08/21/2010							2.49E-6	
08/24/2010							2.87E-6	
09/02/2010							3.62E-6	
09/08/2010							2.93E-6	
09/14/2010							2.47E-6	
09/22/2010							2.55E-6 *	
09/30/2010					<LLD	<LLD		
10/12/2010							<LLD	
10/13/2010							9.47E-7	
10/27/2010		<LLD				<LLD	<LLD	

(Note: A "\*" symbol following a sample result denotes a gamma count was performed. Any gamma results above LLD will be additionally flagged and documented in the analysis section.)

**Table 4.5 (Continued)**  
Groundwater Protection Initiative Data for Location W-9 – W-15 and OW-1  
Samples analyzed for tritium. Values noted are in microcuries per milliliter (uCi/mL)  
Lower Limit of Detection = LLD

Date	W-9	W-10	W-11	W-12	W-13	W-14	W-15	OW-1
11/02/2010	<LLD	<LLD	<LLD	<LLD				
11/03/2010					<LLD	<LLD	8.53E-7	
11/11/2010							<LLD	
11/16/2010							<LLD	
11/23/2010							<LLD	
12/01/2010							<LLD	
12/09/2010							<LLD	
12/17/2010					<LLD	<LLD		
12/20/2010							<LLD	
12/27/2010							<LLD	

**Table 4.6**  
Groundwater Protection Initiative Data for Location OW-2 – OW-4, EW-18, EW-19, MW-20,  
MW-21 and 95-11A  
Samples analyzed for tritium. Values noted are in microcuries per milliliter (uCi/mL)  
Lower Limit of Detection = LLD

Date	OW-2	OW-3	OW-4	EW-18	EW-19	MW-20	MW-21	95-11A
01/05/2010							<LLD	
01/14/2010							<LLD	
01/26/2010					<LLD		<LLD	
01/27/2010				<LLD		<LLD		
04/26/2010					<LLD			
04/27/2010				<LLD		<LLD	<LLD	
04/29/2010	1.00E-6							
05/04/2010								<LLD
08/10/2010						<LLD	<LLD	
10/20/2010	9.58E-7							
10/27/2010				<LLD				
11/02/2010						<LLD	<LLD	
11/08/2010	1.04E-6							

## 5.0 OFF-SITE DOSE EQUIVALENT COMMITMENTS

The purpose of this section is to evaluate off-site dose consequences (dose equivalent commitments) associated with CNP radioactive liquid and airborne effluents. The method utilizes Regulatory Guide 1.109/ODCM models and actual measurements of the concentrations of radioactivity in environmental media to compute the dose consequences resulting from the consumption of these foods.

The dose commitment calculated in this section is compared to the ALARA dose objectives of 10CFR50 Appendix I for liquid and/or gaseous effluents. These standards are a fraction of the average USA background radiation of 300 mrem per year given in NCRP 94 (Reference 2).

During 2010, Cs-137 was measured in 2 samples at the same location. Although the Cs-137 is most likely attributed to weapons fallout, a potential dose commitment to a maximum exposed individual of 0.048 mrem total body (adult) and 0.089 mrem maximum organ (child, bone) using conservative assumptions regarding consumption rate, and a constant Cs-137 concentration in leafy vegetation for September and October (because none was detected before October, and there were no vegetation samples to consume after October). This dose was only 1.6 percent of the 10 CFR 50 Appendix I, total body dose limit of 3 mrem/year, and was 0.9 percent of the 10 mrem/yr 10 CFR 50 Appendix I organ dose limit.

Cs-137 was also measured in one of eight fish samples at a control location. Although the Cs-137 is attributed to weapons fallout, a potential annual dose commitment to a maximum exposed individual of 0.040 mrem total body (adult) and 0.063 mrem maximum organ (teen, liver) using conservative assumptions regarding consumption rate and a constant Cs-137 concentration of 26.5 pCi/kg in all fish. This dose was only 1.3 percent of the 10 CFR 50 Appendix I total body dose limit of 3 mrem/year, and was 0.6 percent of the 10 mrem/yr 10 CFR 50 Appendix I organ dose limit.

**6.0 SUMMARY OF REMP, ODCM, AND VENDOR CHANGES**

The ODCM had no revisions in 2010. REMP procedure changes for 2010 are detailed below.

Procedure No: 12-THP-6010-RPP-630

Revision No: 7

Title: Collection of REMP Surface Water Samples

<b>Alteration</b>	<b>Justification</b>
Step 4.1.1- Added apostrophe to the word "Coordinator's."	Grammar. This is a correction per PMP-2010-PRC-002.
Steps 4.3.1 – 4.3.4, changed to bullet steps.	Format. PMP-2010-PRC-002.
Step 4.3.1 (old), new first bullet – change from "125 ml" to "25 ml."	The current REMP lab requires less than the D.C. Cook procedure requirement. By reducing the sample volume, we will save on shipping and material costs. GT 00852173
Step 4.4.3 - Rewording.	Per discussion with the AREVA Environmental Lab, a 125 mL composite sample is all they need to run a quarterly composite analysis. Currently we are sending them three, one liter sample bottles. This is a waste of time and resources. GT 00850791
10 CFR 50.59 is not applicable to this procedure revision per definition in Attachment 1 of PMP-2010-PRC-002: Managerial or administrative procedure, or administrative change governing the conduct of facility operations.	

Procedure No: 12-THP-6010-RPP-634

Revision No: 11

Title: Collection of REMP Groundwater Samples

<b>Alteration</b>	<b>Justification</b>
Step 4.6.2 – Changed reference step from "4.2.2" to "4.4.2."	Typo. This is a correction per PMP-2010-PRC-002. GT 2010- 2014
Attachment 1 – under Well# MW-20 cross referenced to the ODCM changed from "(W-18)" to "(W-16)."	Typo. This is a correction per PMP-2010-PRC-002. GT 2010- 00863454
Attachment 1 – under Well# MW-21 cross referenced to the ODCM changed from "(W-19)" to "(W-17)."	Typo. This is a correction per PMP-2010-PRC-002. GT 2010- 00863454
10 CFR 50.59 is not applicable to this procedure revision per definition in Attachment 1 of PMP-2010-PRC-002: Managerial or administrative procedure, or administrative change governing the conduct of facility operations.	

Table 6.1 below summarizes the changes made by the AREVA NP Environmental Laboratory to the procedures it uses for the Donald C. Cook Nuclear Plant REMP.

Table 6.1

**AREVA NP ENVIRONMENTAL LABORATORY  
UPDATED PROCEDURES ISSUED DURING MONTHS JANUARY - SEPTEMBER 2010**

PROCEDURE NUMBER	TITLE	REVISION NUMBER	EFFECTIVE DATE	SUMMARY OF REVISION
304	Environmental Sample Compositing	1	02/02/10	Minor editorial changes. Added apparatus for clarification of composite preparation.
368	The Determination of Sr-89,90 in Environmental Media Via Cerenkov Counting	14	04/29/10	Minor editorial changes. Also, the entire section A.9. was revised to incorporate a larger sample weight for fish and to allow for ashing the sample.
369	Determination of Elements by Spectroflame Modula Inductively Coupled Plasma (ICP) Spectrometer	5	02/18/10	Minor editorial changes. Also rearranged the steps in Section B.4.
371	The Determination of Tritium in Environmental and Bioassay Matrices	25	04/02/10	Updated the information in the counting section to reflect current methods, and to require a background and analytical blank with every batch.
480	Operation and Calibration of the EG&G Ortec Octete-PC Alpha Spectrometry Detector System	9	04/16/10	Minor editorial changes. Also updated the apparatus used.
512	Operation and Calibration of the Reuter-Stokes Pressurized Ion Chamber (PIC)	6	06/29/10	The five year technical review was performed. There were no changes.
683	Integration of a New Product into LIMS	2	01/19/10	Removed the apparatus section. It was not applicable to this procedure.
688	Data Entry Using LIMS	2	02/18/10	Minor editorial changes. Also, revised the procedure to include all types of laboratory samples. This included changing the procedure title and references for various sample analyses.
715	Preparation of Tolerance Charts	22	04/22/10	Added tolerance chart parameters for multi-volume pipettes.
760	Chemical and Reagent Control	14	05/07/10	Made where deemed necessary to meet the revision cycle.

PROCEDURE NUMBER	TITLE	REVISION NUMBER	EFFECTIVE DATE	SUMMARY OF REVISION
790	Laboratory Batch Quality Control Handling	3	05/05/10	Revised the signature requirements for FORM 790.1 and 790.2. Combined the duplicate and matrix spike creation sections. Added the requirement to provide the QA Officer with a copy of the QC Evaluation. Added flexibility to deliver batch QC fractions directly to the chemistry Labs. Added instruction on evaluating an "out-of-tolerance" result.
1022	Generation of Element Correction Factors for Panasonic TLDs	10	01/15/10	Minor editorial changes.
1114	The Determination of Carbon-14 by Oxidative Distillation and Liquid Scintillation Spectrometry	16	02/12/10	Re-titled the procedure; added a section on C-14 determination for environmental samples.



Table 6.2

**GEL Laboratories, LLC**  
**Updated Procedures for support of Nuclear Power Plants**  
**Calendar Year 2010**

SOP #	SOP Title	Revision Number	Effective Date	Summary of Revision
GL-LB-E-002	Balances	6	4/2010	Revision 6: Updated revision number on SOP header to list the current revision and added history section.
GL-QS-B-001	Quality Assurance Plan	23	3/2010	Revised instrument list, SOP list, preservation list, floor plan.
GL-RAD-A-001B	The Determination of Gross Alpha And Gross Non-Volatile Beta in Soil, Filters, Solid Matrices and Direct Count Air Filters	15	12/2010	Technical updates made as part of annual review.
GL-RAD-A-004	The Determination of Strontium 89/90 in Water, Soil, Milk, Filters, Vegetation and Tissues	14	4/2010	Updated the volume concentration of Nitric acid used in section 11.7.6. Inserted New NOTE: If excessive ammonium hydroxide was used during actinide scavenge then additional oxalic acid will need to ensure complete color change of indicator. Sample should be pink at this time.
GL-RAD-A-009	The Determination of Radium-228 in Water and Solids	16	4/2010	Update method recovery from 25% to 15%. Replace nonconformance reports to data exception reports.
GL-RAD-A-011	The Isotopic Determination of Americium, Curium, Plutonium, and Uranium	20	11/2010	Updated reagent section. Notes added after section 11.1.3.2 and 11.7.9 regarding

SOP #	SOP Title	Revision Number	Effective Date	Summary of Revision
				Pu-241 analysis if run in tandem. Omitted cookdown procedure for Americium and Uranium. Updated sections 11.4 and 11.6, microprecipitation steps. Added Appendix 6: Sample Cleanup from an Alpha Spec Filter.
GL-RAD-A-013	The Determination of Gamma Isotopes	20	12/2010	SOP revised for SC DHEC drinking water certification.
GL-RAD-A-015	Digestion for Soil	12	6/2010	Updated section 11.2 If samples are to be ashed, weigh an appropriate aliquot (0.1 to 1.0 g) into a glass container.
GL-RAD-A-018	The Determination of Lead-210 in Liquid and Solid Matrices	10	2/2010	Added Reference Clarification.
GL-RAD-A-019	Determination of Phosphorus-32 in Soil and Water	8	7/2010	Updates made as part of annual review.
GL-RAD-A-030	Determination of Radium-228 in Aqueous Samples	13	4/2010	Correction made to section 9.1.8 Dissolve 192.13 g $C_6H_8O_7$ .
GL-RAD-A-032	The Isotopic Determination of Neptunium/Thorium	15	5/2010	Added step to appendix 1.
GL-RAD-A-035	The Isotopic Determination of Plutonium-241	13	9/2010	Changed limit from 25-125% to 15-125% in section 12.2.2.
GL-RAD-A-036	The Isotopic Determination of Americium, Curium, and Plutonium in Large Soil Samples	9	3/2010	Made technical changes to section 9.1.13. 2 M Nitric acid / 1 M Aluminum nitrate: Dissolve 375.13 g of aluminum nitrate nonhydrate, $Al(NO_3)_3 \cdot 9H_2O$ in 300 mL of DI water. Add 125 mL of concentrated nitric acid to the DI water. Allow

SOP #	SOP Title	Revision Number	Effective Date	Summary of Revision
				to cool and dilute to 1 L with DI water.
GL-RAD-A-041	The Determination of Total Activity in Solids and Liquids	10	8/2010	Updated SOP to reflect the accurate amount of nitric acid used in procedure. Replaced 20 mL of Ultima Gold LLT with 10 mL of DI water and 10 mL Ecoscint Ultra in sections 11.4.1 and 11.4.2.
GL-RAD-A-043	The Determination of Plutonium, Uranium and Thorium	6	4/2010	Technical changes made to sections 6.5, Pu-236 decays to U-232 therefore Pu-236 may not be used as a tracer for this method, unless mathematically compensated for in the processing 9.2.1, NIST traceable standards: U-232, U-238, Pu-242, Pu-239, Pu-236, Th-229, Th-232 11.1.3.2, and 11.2.2.2. For the determination of isotopic Thorium, Th-229 is typically used as the tracer and Th-232 is typically used as the spike.
GL-RAD-A-048	The Determination of Calcium-45 in Soils and Waters	5	9/2010	Replaced Polypropylene filters (25 mm) with 25 mm diameter pre-weighted filters.
GL-RAD-A-050	The Determination of Tritium in Drinking Water Samples	5	4/2010	Updated section 3.0 for clarification. Changed "nonconformance report" to "data exception report" throughout.
GL-RAD-D-005	REMP Quality Control Package Assembly	1	6/2010	Annual Review: Updated SOP to comply with new SPC

SOP #	SOP Title	Revision Number	Effective Date	Summary of Revision
				system.
GL-RAD-I-009	Alpha Spectroscopy System	11	11/2010	Annual review: Updated SOP throughout.
GL-RAD-I-012	Managing Statistical Data in the Radiochemistry Laboratory	20	3/2010	Updated information in Appendix 1:
GL-RAD-S-003	Administration of the Radioactive Material License Inventory	7	2/2010	Removed step 5.2.3: "Edit the container volume/mass to match the actual provided by client."
GL-RAD-S-006	Radiation Worker Training	5	2/2010	Updated for acronym "ALARA."
GL-RAD-S-010	The Handling of Biological Materials	4	11/2010	Removed section 5.5 as part of procedural change.
GL-RAD-S-015	The Acceptance and Classification of Radioactive Material	2	2/2010	Revision 2: Grammatical typos corrected.

## 7.0 REFERENCES

1. USNRC Radiological Assessment Branch Technical Position, "An Acceptable Radiological Environmental Monitoring Program," Revision 1, November 1979.
2. NCRP Report No. 94, Exposure of the Population in the United States and Canada from Natural Background Radiation, National Council on Radiation Protection and Measurements, 1987.

## **APPENDIX A**

### **SYNOPSIS OF ANALYSIS TECHNIQUES**

## **ELab (January 2010- September 2010)**

### **GROSS ALPHA/BETA ANALYSIS**

Air particulate samples, collected on a weekly basis aid in verifying the in-plant controls used for monitoring the release of radioactive materials. The samples are transmitted to the laboratory for gross beta radioactivity analysis. Air particulate samples are analyzed on a low background alpha/beta gas proportional counting unit, for a predetermined amount of time, following a delay of a 100-hour minimum to allow for the decay of radon products. Blank filters, either provided by the client, or of the same size and type as the client filters are used for background subtraction. If the beta activity concentration is greater than 0.2 pCi/m<sup>3</sup>, the sample may need to be analyzed for individual gamma emitters. Each sample is composited by sampling location and held until the end of the quarter for a gamma isotopic analysis.

Environmental water samples are also analyzed for gross alpha and/or gross beta radioactivity. Measurable amounts of alpha and beta emitting radionuclides, either naturally occurring or artificially produced, are found in most environmental water samples. Gross alpha and gross beta measurements are rapid screening methods that may indicate the need for a more detailed isotopic analysis. Samples are evaporated to near dryness and quantitatively transferred to concentric ring, stainless steel planchets, where the evaporation is completed as described in EPA Method 900.0. A gas proportional counter is used for the measurement of gross alpha/gross beta radioactivity. Solid deposition is an interference in this method and must be accounted for during instrument calibration.

No decay is accounted for in the gross alpha/beta activity concentration calculations since the radionuclides of origin are not known. The minimum detectable concentration depends on sample size, counting system characteristics, background, and counting time. Typical counting times for gross alpha/beta analyses are seventy-five minutes for waters and sixty minutes for air particulate filters.

### **GAMMA SPECTROMETRY**

The following media are typically analyzed for gamma-emitting radionuclide activity: milk, water, charcoal cartridges, airborne particulate filters, biological material (which includes aquatic animals, plants, and terrestrial vegetation), and sediment or soil samples. Samples are prepared by various controlled methods (blending, drying, milling) in order to maximize the volume that can be analyzed, and to achieve sample homogeneity. In order to ensure the precision and accuracy of the gamma measurements, specific counting containers are used to load sample media in a reproducible manner. Sample spectra are collected via high purity germanium based gamma ray spectrometry detection systems. The gamma spectrometry software can account for baseline corrections, background peak interferences, and photopeak multiplet resolution. Detected photopeaks are identified using a comprehensive library, specifically tailored for environmental monitoring around nuclear power facilities. Typical counting times for gamma spectrometry analyses vary from 7,200 to 30,000 seconds.

Decay corrections are typically made from the time of count to the end of collection. Exceptions are as follows: composite water samples, which may be decayed to the mid-point of sampling, and charcoal cartridges and air particulate composites, for which a "decay during sampling" calculation is included. All gamma spectrometry analyses account for decay during the counting interval.

Serial decay corrections are required for parent/daughter radionuclide relationships. Milk and water samples requiring analysis for Ba-140/La-140 are held for eight days after collection, before analysis, in order to allow most of the unsupported La-140 (present at the time of collection) to decay and in order for the La-140 to achieve transient equilibrium with Ba-140. The La-140 concentration is then calculated from the parent, Ba-140. The Nb-95 concentration, however, is assumed to be unsupported, and is calculated independently of its parent Zr-95, as long as Zr-95 is not detected in the sample. If Zr-95 is detected, the supported Nb-95 is calculated and subtracted from the total Nb-95, to yield the unsupported Nb-95 concentration.

### **LOW LEVEL IODINE ANALYSIS**

The low detection limit required for I-131 in milk and water samples can only be achieved by radiochemical separation and concentration of the iodine. Milk samples may be preserved with sodium bisulfite or refrigerated after collection and are treated as soon as they arrive at the Laboratory with formaldehyde and methimazole (if preservation was not performed in the field). Vegetation samples are treated with NaOH. A known amount of stable iodide is added to the sample to quantify the final recovery. When iodine-131 activity is observed or anticipated, the original iodide content of the sample is also quantified via an Orion Four Star Ion Analyzer. The technique for initially isolating the iodine in a sample depends on its biological or physical form.

Vegetation is leached with sodium hydroxide, baked to an ash, and filtered. The iodide is then confined on anion exchange resin. Soil is leached with sodium hydroxide and then filtered. Drinking water, estuary, river, and groundwater are treated with bleach, and then reduced using hydroxylamine hydrochloride and sodium bisulfite to convert any form of iodine to iodide which is then confined on anion exchange resin. Preserved milk undergoes anion exchange.

Now isolated, the sample's iodine content is ready to be oxidized to periodate by bleach, treated with nitric acid, and then extracted in toluene, wherein it is reduced to elemental iodine by hydroxylamine hydrochloride, reduced to iodide by sodium bisulfite, and finally precipitated as cuprous iodide for I-131 measurement by beta-gamma coincidence counting.

The beta-gamma coincidence system combines a plastic scintillator beta detector and associated electronics with a well-type Na(I) gamma detector. The amplified outputs from the detector assemblies are processed by timing single channel analyzers (TSCA). The gamma TSCA is optimized for the full width at tenth maximum of the 364.5 keV gamma photon of I-131. The resulting signal from each TSCA is relayed to a coincidence analyzer. The beta transition and prompt 364.5 keV gamma transition from I-131 register a coincidence count. Beta gamma coincidence counting allows for a very low background since the system is optimized for I-131. A typical counting time for low level iodine analysis is two hundred minutes.

### **H-3 ANALYSIS**

The determination of tritium in environmental matrices basically involves a sample preparation step followed by distillation and analysis of the pure distillate by liquid scintillation spectrometry. The tritium counting efficiency is determined using an efficiency curve generated as a function of sample quench. A set of NIST traceable standards is used for calibration.

The sample preparation step may involve extracting H-3 from the matrix in the presence of NaOH and  $\text{KMnO}_4$  or in the presence of HCl and  $\text{H}_2\text{O}_2$  and allowing for sufficient equilibration time so that a complete transposition of tritium with stable hydrogen has occurred.



A window is set on the multi-channel analyzer associated with the liquid scintillation counting system which is optimized for the tritium beta energy. Additional windows are also set and evaluated to ensure that the distilled samples are free of interferences. A typical counting time for H-3 analysis is fifteen minutes.

## **GEL Labs (June 2010- December 2010)**

### **GROSS ALPHA/BETA ANALYSIS**

Air particulate samples, collected on a weekly basis aid in verifying the in-plant controls used for monitoring the release of radioactive materials. The samples are transmitted to the laboratory for gross beta radioactivity analysis. Air particulate samples are analyzed on a low background alpha/beta gas proportional counting unit, for a predetermined amount of time, following a delay to allow for the decay of radon products. Blank filters, either provided by the client, or of the same size and type as the client filters are used for background subtraction. If the beta activity concentration is greater than 0.2 pCi/m<sup>3</sup>, the sample may need to be analyzed for individual gamma emitters. Each sample is composited by sampling location and held until the end of the quarter for a gamma isotopic analysis.

Environmental water samples are also analyzed for gross alpha and/or gross beta radioactivity. Measurable amounts of alpha and beta emitting radionuclides, either naturally occurring or artificially produced, are found in most environmental water samples. Gross alpha and gross beta measurements are rapid screening methods that may indicate the need for a more detailed isotopic analysis. Samples are evaporated to near dryness and quantitatively transferred to concentric ring, stainless steel planchets, where the evaporation is completed as described in EPA Method 900.0. A gas proportional counter is used for the measurement of gross alpha/gross beta radioactivity. Solid deposition is an interference in this method and must be accounted for during instrument calibration.

No decay is accounted for in the gross alpha/beta activity concentration calculations since the radionuclides of origin are not known. The minimum detectable concentration depends on sample size, counting system characteristics, background, and counting time. Typical counting times for gross alpha/beta analyses are seventy-five minutes for waters and sixty minutes for air particulate filters.

### **GAMMA SPECTROMETRY**

The following media are typically analyzed for gamma-emitting radionuclide activity: milk, water, charcoal cartridges, airborne particulate filters, biological material (which includes aquatic animals, plants, and terrestrial vegetation), and sediment or soil samples. Samples are prepared by various controlled methods (blending, drying, milling) in order to maximize the volume that can be analyzed, and to achieve sample homogeneity. In order to ensure the precision and accuracy of the gamma measurements, specific counting containers are used to load sample media in a reproducible manner. Sample spectra are collected via high purity germanium based gamma ray spectrometry detection systems. The gamma spectrometry software can account for baseline corrections, background peak interferences, and photopeak multiplet resolution. Detected photopeaks are identified using a comprehensive library, specifically tailored for environmental monitoring around nuclear power facilities. Typical counting times for gamma spectrometry analyses vary from 7,200 to 30,000 seconds.

### LOW LEVEL IODINE ANALYSIS

The low detection limit required for I-131 in milk and water samples can only be achieved by radiochemical separation and concentration of the iodine.

Iodate carrier is added to an acidified sample and, after reduction with  $\text{Na}_2\text{SO}_4$  to iodide, the I-131 is precipitated with  $\text{AgNO}_3$ . The precipitate is dissolved and purified with Zinc powder and  $\text{H}_2\text{SO}_4$  and the solution is re-precipitated as  $\text{Pdl}_2$ , which is then filtered on to a polypropylene filter and counted on a low background gas flow proportional counter.

### H-3 ANALYSIS

The determination of tritium in environmental matrices basically involves a sample preparation step followed by distillation and analysis of the pure distillate by liquid scintillation spectrometry. The tritium counting efficiency is determined using an efficiency curve generated as a function of sample quench. A set of NIST traceable standards is used for calibration.

The sample preparation step involves extracting H-3 from the matrix in the presence of NaOH and  $\text{KMnO}_4$  allowing for sufficient equilibration time so that a complete transposition of tritium with stable hydrogen has occurred.

## **APPENDIX B**

### **2010 LAND USE CENSUS**

## 2010 Radiological Environmental Monitoring Program

### Land Use Census Summary

Date: October 8, 2010

#### Purpose

A Land Use Census (LUC) is performed annually to identify relevant changes in land usage in the area surrounding Cook Nuclear Plant (CNP) which have the potential to affect radiation exposure pathways. Identified changes are evaluated to determine if modifications should be made to the Radiological Environmental Monitoring Program (REMP) or other related programs.

A summary of the 2010 LUC is detailed below.

#### Dairy Farm Survey

A dairy farm survey was conducted from August 23 through September 24, 2010, to update the following information.

- Dairy farms located in the area around the CNP (within Berrien County, MI)
- Location nearest to CNP where animal milk is produced for human consumption.

As a result of information obtained during the census period and the remainder of 2010, it was determined that no identified dairy farms had ceased milking operations. Additionally, one new dairy farm (a prospective Indicator Milk Farm) was located in the county (Sector G) during this year's door-to-door survey. Discussions are currently underway to add this location (Greg Schafer Farm) to the REMP Dairy Farm Milk sampling program.

At the present time, due to the cessation of milking operations at the Glen Troy Farms in 2004, only two indicator (within eight miles of the CNP) farms/residences have dairy animals providing milk for human consumption and participate in the CNP REMP Dairy Farm Milk sampling program. These farms are:

Monroe Residence (REMP Designation: MR)  
10627 Miller Road  
Baroda, MI 49101

Shuler Farm (REMP Designation: SF)  
2791 Snow Rd.  
Baroda, 49101

CNP REMP requirements specify a minimum of three indicator (within 8 miles of CNP) milk farms are needed to support the milk sampling process. Due to the lack of a third indicator milk farm, the milk sampling program is considered suspended at this time.

In accordance with REMP guidance, Broadleaf sampling “in-lieu of” milk continues to be conducted as a compensatory action for this condition. Additionally, it was concluded that milk sampling would remain in effect at the remaining REMP-related locations for informational purposes and to support the restart of this program in the event a third farm becomes available.

Finally, the census identified the closest animals (cows) providing milk for human consumption as follows:

Shuler Farm (REMP Designation: SF)  
Sector/Distance from CNP: G and H / 4.1 miles (21,648 feet)  
2791 Snow Rd.  
Baroda, 49101

#### Livestock for Consumption Survey

During the time period August 23 through September 3, 2010, the Livestock Survey examined farms near CNP that produce livestock for consumption to determine the location closest to CNP in each land sector within 5 miles. The location which was determined to be the “Closest Livestock for Consumption (meat)” did not change from the 2009 report and was given REMP designation **MEAT** (Distance From CNP: 1.42 miles [7,498 feet]) and recorded as part of this census on the associated Data Sheet 1 to 12-THP-6010-RPP-640 “Land Use Census”. Additional locations identified as part of this survey are listed on Data Sheet 1.

#### Residential Land Use Survey

From June 1, 2009 to June 1, 2010, there was one new residential building permit and one commercial (for a residence addition) building permit issued in the Lake Township sections that border the CNP property (sections 5, 6, 7, and 8). As these permit locations did not affect designations of the “closest residence” in any sectors, no further consideration for the purposes of residential radiological evaluations was required.

Per email correspondence with the Berrien County Health Department, there were no groundwater permits issued in Lake Township Sections 5, 6, 7, or 8 during this time period.

#### Garden Census, Grape and Broadleaf Sampling

During the time period August 23 through September 3, 2010, a survey of nearby properties verified that a garden located at 7379 Rosemary Rd. (0.91 miles [4,805 feet] from CNP), in Sector C, is still the “Closest Garden Producing Fresh Leafy Vegetables.” In lieu of conducting the Garden Census as part of this LUC, Broadleaf sampling was performed as follows:

Indicator Broadleaf samples were obtained at two locations within Sector J:

- On the CNP site boundary along Livingston Road near Groundwater well W-13
- Along Rambo Road just east of Red Arrow Highway in Bridgman, MI

Control Broadleaf samples were taken on East Clay Street in New Buffalo, MI, just NE of New Buffalo High School in Sector K.

The 2010 Land Use Census identified no relevant changes in usage to areas surrounding DC Cook Nuclear Plant. The identified changes in this report have been evaluated per PMP-6010-OSD-001 "Off-Site Dose Calculation Manual" and represent no changes in dose commitment.

**APPENDIX C**  
**QUALITY ASSURANCE PROGRAM**

## APPENDIX C1: ELAB QUALITY ASSURANCE PROGRAM

The quality assurance program at the AREVA NP Environmental Laboratory (E-LAB) is designed to serve two overall purposes: 1) Establish a measure of confidence in the measurement process to assure the licensee, regulatory agencies and the public that analytical results are accurate and precise; and 2) identify deficiencies in the sampling and/or measurement process to those responsible for these operations so that corrective action can be taken. Quality assurance is applied to all steps of the measurement process, including the collection, measurement, and reporting of data, as well as to the record keeping of the final results. Quality control, as part of the quality assurance program, provides a means to control and measure the characteristics of the measurement equipment and processes relative to established requirements.

The E-LAB employs a comprehensive quality assurance program designed to monitor the quality of analytical processing to ensure reliable environmental monitoring data. The program includes the use of controlled procedures for all work activities, a nonconformance and corrective action tracking system, systematic internal audits, audits by external groups, a laboratory quality control program, and a staff training program. Monitoring programs include the Intralaboratory Quality Control Program administered by the Laboratory QA Officer and a third-party cross check program administered by Analytics, Inc. Together these programs are targeted to supply QC/QA sources at 5% of the client sample analysis load.

This summary reports all intralaboratory and third party results received by the E-LAB on or before September 2010. The E-LAB has completed processing of all client samples and is now closed for business.

### Intralaboratory Quality Control Program

The E-LAB QA Officer administers an extensive intralaboratory quality control program in which process check samples are submitted for analysis. These samples are "spiked" with a known amount of radioactive material and are routinely submitted in triplicate to evaluate the bias and precision of a measurement process. Additionally, numerous samples of various matrices are periodically re-analyzed as part of the internal duplicate analysis program. Table C-1 provides the summary of the process control program results for January to September 2010. Of the 617 analyses evaluated for bias, 99.2% passed the acceptance criteria and 100% of the 500 results evaluated for precision were acceptable. The E-LAB internal acceptance criteria are summarized at the end of Table C-1.

### Third Party Cross Check Program

The E-LAB participates in a third party cross check program managed by Analytics Inc. to satisfy the requirement of the Environmental Technical Specification/ODCM. The E-LAB Analytics program was originally used to augment the EPA Intercomparison Program that it now replaces. The current program is designed to be comparable to the pre-1996 EPA PE Program in terms of the number of samples, matrices, and nuclides. The results for the 4<sup>th</sup> quarter 2009 through the 2<sup>nd</sup> quarter 2010 are summarized in Table C-2. The 3<sup>rd</sup> quarter 2010 samples were



analyzed by GEL Laboratories and are contained in the following section. 4<sup>th</sup> quarter 2010 sample results are not included in this report as the final results were not received from the reporting laboratory in the timeframe covered by this report. This data will be provided in the Quality Assurance Program summary for the subsequent year. Each sample is normally analyzed in triplicate and the results are evaluated against the internal acceptance criteria described in E-LAB Manual 100 "Laboratory Quality Assurance Plan." This acceptance protocol is used for all interlaboratory programs with no pre-set acceptance criteria. When results fall outside of the acceptance criteria, an investigation is initiated to determine the cause of the problem and if appropriate, corrective measures are taken. The E-LAB internal acceptance criteria are summarized at the end of Table C-1.

#### Environmental TLD Quality Assurance Program

Performance documentation of the routine processing of the Panasonic environmental TLD (thermoluminescent dosimeter) program at the E-LAB is provided by the dosimetry quality assurance testing program. This program includes independent third party performance testing by the Pacific Northwest National Laboratory (typically semi-annually) and internal performance testing conducted by the Laboratory QA Officer. Under these programs, sets of six dosimeters are irradiated to ANSI-specified testing criteria and submitted for processing as "unknowns." The bias and precision of TLD processing is measured against this standard and is used to indicate trends and changes in performance. Instrumentation checks, although routinely performed and representing between 5-10% of the TLDs processed, are not presented in this report.

Seventy-two internal performance tests were conducted in 2010 by the E-LAB. These tests were made on 12 separate sets of six dosimeters. All of the seventy-two individual measurements, when evaluated against the acceptance criteria for high-energy photons, met the E-LAB Internal Acceptance Criteria for bias ( $\pm 20.1\%$ ) and precision ( $\pm 12.8\%$ ).

Third party irradiations were performed by the Pacific Northwest National Laboratory. The third party dosimeters were analyzed. Both sets of six dosimeters passed the mean bias criteria of  $\pm 20.1\%$ . All twelve dosimeter evaluations met the E-LAB individual acceptance criteria for bias ( $\pm 20.1\%$ ) and precision ( $\pm 12.8\%$ ).

#### **Percentage of Individual Dosimeters that passed E-LAB Internal Criteria**

Dosimeter Type	Number Tested	% Passed Bias Criteria	% Passed Precision Criteria
Panasonic Environmental	72	100	100

#### **Summary of Third Party Dosimeter Testing**

Dosimeter Type	Exposure Period	ANSI Category	% (Bias $\pm$ SD)
Panasonic Environmental	FH 2010	II	-2.2 +/- 1.1
Panasonic Environmental	SH 2010	II	-1.5 +/- 1.4

\* Performance criteria are the same as the internal criteria.

Note: Results are expressed as the delivered exposure for environmental TLD. ANSI HPS N13.29-1995 (Draft) Category II, High energy photons (Cs-137 or Co-60).

TABLE C.1

**E-LAB RESULTS IN THE INTRALABORATORY PROCESS CONTROL PROGRAM**  
**January – September 2010**

	Bias Criteria (1)		Precision Criteria (1); (2)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
<b>I. Air Particulate</b>				
Gross Alpha	9	0	9	0
Gross Beta	174	0	9	0
Gamma	54	0	66	0
Sr-90	0	0	0	0
<b>II. Air Charcoal</b>				
Gamma-Quantitative	105	0	9	0
<b>III. Food (Aquatic/Terrestrial)</b>				
Gamma	0	0	24	0
Sr-90	0	0	0	0
<b>IV. Milk</b>				
Gamma	89	1	90	0
Iodine (LL)	9	0	9	0
Sr-89	3	0	3	0
Sr-90	3	0	3	0
<b>V. Soil/Sed.</b>				
Gamma	0	0	24	0
Sr-90	0	0	3	0
H-3	0	0	2	0
<b>VI. Vegetation (Aquatic/Terrestrial)</b>				
Gamma	0	0	16	0
Iodine (LL)	2	0	0	0
Sr-90	0	0	0	0
<b>VII. Water</b>				
Gross Alpha	10	0	10	0
Gross Beta	10	0	10	0
Gamma	95	1	152	0
Iodine (LL)	9	0	9	0
Sr-89	11	0	11	0
Sr-90	10	3	13	0
Tritium	19	0	28	0
<b>Total Number In Range:</b>	<b>612</b>	<b>5</b>	<b>500</b>	<b>0</b>
<b>Percentage of Total Processed</b>	<b>99.2</b>	<b>0.8</b>	<b>100</b>	<b>0</b>
<b>Sum of Analyses:</b>	<b>617</b>		<b>500</b>	

- (1) Percent Bias Acceptance Criteria:  
 $\leq 20$  (or within 2 sigma of known)  
 For Gross Alpha and Beta,  $\leq 25$  (or within 2 sigma of known)  
 For Sr-89/90,  $\leq 25$  (or within 2 sigma of known)
- (2) Percent Precision Acceptance Criteria:  
 $\leq 20$  (or within 2 sigma of mean)

**TABLE C.2**  
**E-LAB RESULTS IN THE ANALYTICS INC. CROSS CHECK PROGRAM\***  
**Quarter 4, 2009 - Quarter 2, 2010**

SAMPLE NUMBER	QUARTER/YEAR	SAMPLE MEDIA	NUCLIDE	UNITS	REPORTED VALUE	KNOWN VALUE	RATIO: E-LAB/ANALYTICS	PERFORMANCE EVALUATION
E6908-162	4 <sup>th</sup> /2009	Water	Gross Alpha	pCi/L	214	258	0.83	Agreement
E6908-162	4 <sup>th</sup> /2009	Water	Gross Beta	pCi/L	230	230	1.00	Agreement
E6909-162	4 <sup>th</sup> /2009	Water	I-131LL	pCi/L	95.6	96.1	0.99	Agreement
E6909-162	4 <sup>th</sup> /2009	Water	I-131	pCi/L	99.5	96.1	1.04	Agreement
E6909-162	4 <sup>th</sup> /2009	Water	Ce-141	pCi/L	204	204	1.00	Agreement
E6909-162	4 <sup>th</sup> /2009	Water	Cr-51	pCi/L	585	554	1.06	Agreement
E6909-162	4 <sup>th</sup> /2009	Water	Cs-134	pCi/L	233	255	0.91	Agreement
E6909-162	4 <sup>th</sup> /2009	Water	Cs-137	pCi/L	190	181	1.05	Agreement
E6909-162	4 <sup>th</sup> /2009	Water	Co-58	pCi/L	219	213	1.03	Agreement
E6909-162	4 <sup>th</sup> /2009	Water	Mn-54	pCi/L	190	179	1.06	Agreement
E6909-162	4 <sup>th</sup> /2009	Water	Fe-59	pCi/L	194	179	1.08	Agreement
E6909-162	4 <sup>th</sup> /2009	Water	Zn-65	pCi/L	360	348	1.03	Agreement
E6909-162	4 <sup>th</sup> /2009	Water	Co-60	pCi/L	258	258	1.00	Agreement
E6910-162	4 <sup>th</sup> /2009	Water	Sr-89	pCi/L	92.6	111	0.83	Agreement
E6910-162	4 <sup>th</sup> /2009	Water	Sr-90	pCi/L	12.7	15.3	0.83	Agreement
E6911-162	4 <sup>th</sup> /2009	Water	H-3	pCi/L	14100	14000	1.01	Agreement
E6912-162	4 <sup>th</sup> /2009	Charcoal	I-131	pCi	87.3	90.3	0.97	Agreement
E6913-162	4 <sup>th</sup> /2009	Filter	Gross Alpha	pCi	121	129	0.94	Agreement
E6913-162	4 <sup>th</sup> /2009	Filter	Gross Beta	pCi	127	115	1.10	Agreement
E6914-162	4 <sup>th</sup> /2009	Filter	Ce-141	pCi	109	113	0.97	Agreement
E6914-162	4 <sup>th</sup> /2009	Filter	Cr-51	pCi	308	305	1.01	Agreement
E6914-162	4 <sup>th</sup> /2009	Filter	Cs-134	pCi	135	140	0.96	Agreement
E6914-162	4 <sup>th</sup> /2009	Filter	Cs-137	pCi	105	99.5	1.05	Agreement
E6914-162	4 <sup>th</sup> /2009	Filter	Co-58	pCi	120	117	1.02	Agreement
E6914-162	4 <sup>th</sup> /2009	Filter	Mn-54	pCi	99.0	98.7	1.00	Agreement
E6914-162	4 <sup>th</sup> /2009	Filter	Fe-59	pCi	96.5	98.7	0.98	Agreement
E6914-162	4 <sup>th</sup> /2009	Filter	Zn-65	pCi	190	192	0.99	Agreement
E6914-162	4 <sup>th</sup> /2009	Filter	Co-60	pCi	134	142	0.94	Agreement
E6915-162	4 <sup>th</sup> /2009	Milk	I-131LL	pCi/L	89.7	87.3	1.03	Agreement
E6915-162	4 <sup>th</sup> /2009	Milk	I-131	pCi/L	87.5	87.3	1.00	Agreement
E6915-162	4 <sup>th</sup> /2009	Milk	Ce-141	pCi/L	209	202	1.03	Agreement
E6915-162	4 <sup>th</sup> /2009	Milk	Cr-51	pCi/L	556	548	1.01	Agreement
E6915-162	4 <sup>th</sup> /2009	Milk	Cs-134	pCi/L	235	253	0.93	Agreement
E6915-162	4 <sup>th</sup> /2009	Milk	Cs-137	pCi/L	191	179	1.07	Agreement
E6915-162	4 <sup>th</sup> /2009	Milk	Co-58	pCi/L	222	211	1.05	Agreement
E6915-162	4 <sup>th</sup> /2009	Milk	Mn-54	pCi/L	187	178	1.05	Agreement
E6915-162	4 <sup>th</sup> /2009	Milk	Fe-59	pCi/L	192	178	1.08	Agreement
E6915-162	4 <sup>th</sup> /2009	Milk	Zn-65	pCi/L	359	345	1.04	Agreement
E6915-162	4 <sup>th</sup> /2009	Milk	Co-60	pCi/L	257	256	1.01	Agreement

**TABLE C.2 (cont'd)**  
**E-LAB RESULTS IN THE ANALYTICS INC. CROSS CHECK PROGRAM\***  
 Quarter 4, 2009 - Quarter 2, 2010

SAMPLE NUMBER	QUARTER/ YEAR	SAMPLE MEDIA	NUCLIDE	UNITS	REPORTED VALUE	KNOWN VALUE	RATIO E-LAB/ ANALYTICS	PERFORMANCE EVALUATION
E7010-162	1 <sup>st</sup> /2010	Water	Gross Alpha	pCi/L	154	156	0.99	Agreement
E7010-162	1 <sup>st</sup> /2010	Water	Gross Beta	pCi/L	287	293	0.98	Agreement
E7011-162	1 <sup>st</sup> /2010	Water	I-131LL	pCi/L	68.4	72.2	0.95	Agreement
E7011-162	1 <sup>st</sup> /2010	Water	I-131	pCi/L	73.5	72.2	1.02	Agreement
E7011-162	1 <sup>st</sup> /2010	Water	Ce-141	pCi/L	248	263	0.94	Agreement
E7011-162	1 <sup>st</sup> /2010	Water	Cr-51	pCi/L	336	364	0.92	Agreement
E7011-162	1 <sup>st</sup> /2010	Water	Cs-134	pCi/L	158	179	0.88	Agreement
E7011-162	1 <sup>st</sup> /2010	Water	Cs-137	pCi/L	156	159	0.98	Agreement
E7011-162	1 <sup>st</sup> /2010	Water	Co-58	pCi/L	136	144	0.94	Agreement
E7011-162	1 <sup>st</sup> /2010	Water	Mn-54	pCi/L	200	209	0.96	Agreement
E7011-162	1 <sup>st</sup> /2010	Water	Fe-59	pCi/L	144	138	1.04	Agreement
E7011-162	1 <sup>st</sup> /2010	Water	Zn-65	pCi/L	255	256	1.00	Agreement
E7011-162	1 <sup>st</sup> /2010	Water	Co-60	pCi/L	177	185	0.96	Agreement
E7012-162	1 <sup>st</sup> /2010	Water	Sr-89	pCi/L	74.5	89.8	0.83	Agreement
E7012-162	1 <sup>st</sup> /2010	Water	Sr-90	pCi/L	20.1	12.3	1.63	Disagreement <sup>1</sup>
E7013-162	1 <sup>st</sup> /2010	Water	H-3	pCi/L	11700	12000	0.97	Agreement
E7014-162	1 <sup>st</sup> /2010	Charcoal	I-131	pCi	84.1	85.7	0.98	Agreement
E7015-162	1 <sup>st</sup> /2010	Filter	Gross Alpha	pCi	92.9	102	0.91	Agreement
E7015-162	1 <sup>st</sup> /2010	Filter	Gross Beta	pCi	218	191	1.14	Agreement
E7016-162	1 <sup>st</sup> /2010	Milk	I-131LL	pCi/L	71.0	74.0	0.96	Agreement
E7016-162	1 <sup>st</sup> /2010	Milk	I-131	pCi/L	80.6	74.0	1.09	Agreement
E7016-162	1 <sup>st</sup> /2010	Milk	Ce-141	pCi/L	273	261	1.04	Agreement
E7016-162	1 <sup>st</sup> /2010	Milk	Cr-51	pCi/L	368	361	1.02	Agreement
E7016-162	1 <sup>st</sup> /2010	Milk	Cs-134	pCi/L	166	178	0.94	Agreement
E7016-162	1 <sup>st</sup> /2010	Milk	Cs-137	pCi/L	171	158	1.09	Agreement
E7016-162	1 <sup>st</sup> /2010	Milk	Co-58	pCi/L	151	143	1.06	Agreement
E7016-162	1 <sup>st</sup> /2010	Milk	Mn-54	pCi/L	219	207	1.05	Agreement
E7016-162	1 <sup>st</sup> /2010	Milk	Fe-59	pCi/L	155	137	1.13	Agreement
E7016-162	1 <sup>st</sup> /2010	Milk	Zn-65	pCi/L	272	254	1.07	Agreement
E7016-162	1 <sup>st</sup> /2010	Milk	Co-60	pCi/L	187	183	1.02	Agreement
E7017-162	1 <sup>st</sup> /2010	Milk	Sr-89	pCi/L	76.6	92.8	0.83	Agreement
E7017-162	1 <sup>st</sup> /2010	Milk	Sr-90	pCi/L	12.3	12.7	0.97	Agreement

**TABLE C.2 (cont'd)**  
**E-LAB RESULTS IN THE ANALYTICS INC. CROSS CHECK PROGRAM\***  
**Quarter 4, 2009 - Quarter 2, 2010**

SAMPLE NUMBER	QUARTER/ YEAR	SAMPLE MEDIA	NUCLIDE	UNITS	REPORTED VALUE	KNOWN VALUE	RATIO E-LAB/ ANALYTICS	PERFORMANCE EVALUATION
E7075-162	2 <sup>nd</sup> /2010	Water	Gross Alpha	pCi/L	99.3	102	0.98	Agreement
E7075-162	2 <sup>nd</sup> /2010	Water	Gross Beta	pCi/L	294	266	1.10	Agreement
E7076-162	2 <sup>nd</sup> /2010	Water	I-131LL	pCi/L	74.7	78.9	0.95	Agreement
E7076-162	2 <sup>nd</sup> /2010	Water	I-131	pCi/L	79.5	78.9	1.01	Agreement
E7076-162	2 <sup>nd</sup> /2010	Water	Ce-141	pCi/L	163	161	1.02	Agreement
E7076-162	2 <sup>nd</sup> /2010	Water	Cr-51	pCi/L	505	494	1.02	Agreement
E7076-162	2 <sup>nd</sup> /2010	Water	Cs-134	pCi/L	168	183	0.92	Agreement
E7076-162	2 <sup>nd</sup> /2010	Water	Cs-137	pCi/L	233	218	1.07	Agreement
E7076-162	2 <sup>nd</sup> /2010	Water	Co-58	pCi/L	151	147	1.03	Agreement
E7076-162	2 <sup>nd</sup> /2010	Water	Mn-54	pCi/L	257	246	1.04	Agreement
E7076-162	2 <sup>nd</sup> /2010	Water	Fe-59	pCi/L	185	173	1.07	Agreement
E7076-162	2 <sup>nd</sup> /2010	Water	Zn-65	pCi/L	312	300	1.04	Agreement
E7076-162	2 <sup>nd</sup> /2010	Water	Co-60	pCi/L	289	286	1.01	Agreement
E7077-162	2 <sup>nd</sup> /2010	Water	Sr-89	pCi/L	86.6	100	0.87	Agreement
E7077-162	2 <sup>nd</sup> /2010	Water	Sr-90	pCi/L	18.9	17.9	1.05	Agreement
E7078-162	2 <sup>nd</sup> /2010	Water	H-3	pCi/L	9160	9630	0.95	Agreement
E7079-162	2 <sup>nd</sup> /2010	Charcoal	I-131	pCi	79.6	80.0	1.00	Agreement
E7080-162	2 <sup>nd</sup> /2010	Filter	Gross Alpha	pCi	84.3	87.8	0.96	Agreement
E7080-162	2 <sup>nd</sup> /2010	Filter	Gross Beta	pCi	233	231	1.01	Agreement
E7081-162	2 <sup>nd</sup> /2010	Filter	Ce-141	pCi	80.3	84.0	0.96	Agreement
E7081-162	2 <sup>nd</sup> /2010	Filter	Cr-51	pCi	257	259	0.99	Agreement
E7081-162	2 <sup>nd</sup> /2010	Filter	Cs-134	pCi	93.7	95.9	0.98	Agreement
E7081-162	2 <sup>nd</sup> /2010	Filter	Cs-137	pCi	123	114	1.07	Agreement
E7081-162	2 <sup>nd</sup> /2010	Filter	Co-58	pCi	78.8	77.1	1.02	Agreement
E7081-162	2 <sup>nd</sup> /2010	Filter	Mn-54	pCi	129	129	1.00	Agreement
E7081-162	2 <sup>nd</sup> /2010	Filter	Fe-59	pCi	91.0	90.5	1.01	Agreement
E7081-162	2 <sup>nd</sup> /2010	Filter	Zn-65	pCi	155	157	0.99	Agreement
E7081-162	2 <sup>nd</sup> /2010	Filter	Co-60	pCi	145	150	0.97	Agreement
E7082-162	2 <sup>nd</sup> /2010	Milk	I-131LL	pCi/L	105.1	96.9	1.08	Agreement
E7082-162	2 <sup>nd</sup> /2010	Milk	I-131	pCi/L	94.0	96.9	0.97	Agreement
E7082-162	2 <sup>nd</sup> /2010	Milk	Ce-141	pCi/L	105	110	0.95	Agreement
E7082-162	2 <sup>nd</sup> /2010	Milk	Cr-51	pCi/L	333	339	0.98	Agreement
E7082-162	2 <sup>nd</sup> /2010	Milk	Cs-134	pCi/L	114	126	0.90	Agreement
E7082-162	2 <sup>nd</sup> /2010	Milk	Cs-137	pCi/L	150	150	1.00	Agreement
E7082-162	2 <sup>nd</sup> /2010	Milk	Co-58	pCi/L	99.8	101	0.99	Agreement
E7082-162	2 <sup>nd</sup> /2010	Milk	Mn-54	pCi/L	172	169	1.02	Agreement
E7082-162	2 <sup>nd</sup> /2010	Milk	Fe-59	pCi/L	123	119	1.03	Agreement
E7082-162	2 <sup>nd</sup> /2010	Milk	Zn-65	pCi/L	204	206	0.99	Agreement
E7082-162	2 <sup>nd</sup> /2010	Milk	Co-60	pCi/L	196	197	1.00	Agreement

NOTES

<sup>1</sup> The percent difference of the mean value from the known value exceeded the Manual 100 criterion for accuracy. CR 10-26 was issued to investigate the failure.

**APPENDIX C2: GEL LABORATORIES QUALITY ASSURANCE PROGRAM**

GEL's primary goals are to ensure that all measurement data generated are scientifically and legally defensible, of known and acceptable quality per the data quality objectives (DQOs), and thoroughly documented to provide sound support for environmental decisions. In addition, GEL continues to ensure compliance with all contractual requirements, environmental standards, and regulations established by local, state and federal authorities.

GEL administers the QA program in accordance with the Quality Assurance Plan, GL-QS-B-001. Our Quality Systems include all quality assurance (QA) policies and quality control (QC) procedures necessary to plan, implement, and assess the work we perform. GEL's QA Program establishes a quality management system (QMS) that governs all of the activities of our organization.

This report entails the quality assurance program for the proficiency testing and environmental monitoring aspects of GEL for the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2010.

**Quality Assurance Programs for Inter-laboratory, Intra-laboratory and Third Party Cross-Check**

In addition to internal and client audits, our laboratory participates in annual performance evaluation studies conducted by independent providers. We routinely participate in the following types of performance audits:

- Proficiency testing and other inter-laboratory comparisons.
- Performance requirements necessary to retain Certifications.
- Evaluation of recoveries of certified reference and in-house secondary reference materials using statistical process control data.
- Evaluation of relative percent difference between measurements through SPC data.

We also participate in a number of proficiency testing programs for federal and state agencies and as required by contracts. It is our policy that no proficiency evaluation samples be analyzed in any special manner. Our annual performance evaluation participation generally includes a combination of studies that support the following:

- ERA's InterLaB RadChem Proficiency Testing Program for radiological analyses. This program completes the process of replacing the USEPA EMSL-LV Nuclear Radiation Assessment Division program discontinued in 1998. Laboratories seeking certification for radionuclide analysis in drinking water also use the study. This program is conducted in strict compliance with the USEPA National Standards for Water Proficiency Testing Studies. This program encompasses Uranium by EPA method 200.8 (for drinking water certification in Florida/Primary NELAP), gamma emitters, Gross Alpha/Beta, Iodine-131, naturally occurring radioactive isotopes, Strontium-89/90, and Tritium.
- Environmental Cross-Check Program administered by Eckert & Ziegler Analytics, Inc. This program encompasses radionuclides in water, soil, milk, naturally occurring radioactive isotopes in soil and air filters.

GEL procures single-blind performance evaluation samples from Eckert & Ziegler Analytics to verify the analysis of sample matrices processed at GEL. Samples are received on a quarterly

basis. GEL's Third-Party Cross-Check Program provides environmental matrices encountered in a typical nuclear utility REMP. The Third-Party Cross-Check Program is intended to meet or exceed the inter-laboratory comparison program requirements discussed in NRC Regulatory Guide 4.15, revision 1. Once performance evaluation samples have been prepared in accordance with the instructions provided by the PT provider, samples are managed and analyzed in the same manner as environmental samples from GEL's clients.

#### Quality Assurance Program for Internal and External Audits

During each annual reporting period, at least one internal assessment is conducted in accordance with the pre-established schedule from Standard Operating Procedure for the Conduct of Quality Audits, GL-QS-E001. The annual internal audit plan is reviewed for adequacy and includes the scheduled frequency and scope of quality control actions necessary to GEL's QA program. Internal audits are conducted at least annually in accordance with a schedule approved by the Quality Systems Director. Supplier audits are contingent upon the categorization of the supplier, and may or may not be conducted prior to the use of a supplier or subcontractor. Type I suppliers and subcontractors, regardless of how they were initially qualified, are re-evaluated at least once every three years.

In addition, prospective customers audit GEL during pre-contract audits. GEL hosts several external audits each year for both our clients and other programs. These programs include environmental monitoring, waste characterization, and radiobioassay. The following list of programs may audit GEL at least annually or up to every three years depending on the program.

- NELAC, National Environmental Laboratory Accreditation Program
- DOECAP, U.S. Department of Energy Consolidated Audit Program
- DOELAP, U.S. Department of Energy Laboratory Accreditation Program
- DOE QSAS, U.S. Department of Energy, Quality Systems for Analytical Services
- ISO/IEC 17025
- A2LA, American Association for Laboratory Accreditation
- DOD ELAP, US Department of Defense Environmental Accreditation Program
- NUPIC, Nuclear Procurement Issues Committee
- South Carolina Department of Health and Environmental Control (SC DHEC)

The annual radiochemistry laboratory internal audit (10-RAD-001) was conducted in March 2010. Four findings, one observation, and two recommendations resulted from this assessment. Each finding was closed and appropriate laboratory staff addressed each observation and recommendation. The internal audit closed in June 2010.

#### Performance Evaluation Acceptance Criteria for Environmental Sample Analysis

For intra-laboratory or third party quality control programs that do not have a specific acceptance criteria (i.e., the Eckert-Ziegler Analytics Environmental Cross-check Program), results will be evaluated in accordance with GEL's internal acceptance criteria.



### Performance Evaluation Samples

Performance Evaluation (PE) results and internal quality control sample results are evaluated in accordance with GEL acceptance criteria. The first criterion concerns bias, which is defined as the deviation of any one result from the known value. The second criterion concerns precision, which deals with the ability of the measurement to be replicated by comparison of an individual result with the mean of all results for a given sample set.

At GEL, we also evaluate our analytical performance on a regular basis through statistical process control acceptance criteria. Where feasible, this criterion is applied to both measures of precision and accuracy and is specific to sample matrix. We establish environmental process control limits at least annually.

For Radiochemistry analysis, quality control evaluation is based on static limits rather than those that are statistically derived. Our current process control limits are maintained in GEL's AlphaLIMS. We also measure precision with matrix duplicates and/or matrix spike duplicates. The upper and lower control limits (UCL and LCL respectively) for precision are plus or minus three times the standard deviation from the mean of a series of relative percent differences. The static precision criteria for radiochemical analyses are 0 - 20%, for activity levels exceeding the contract required detection limit (CRDL).

### Quality Control Program for Environmental Sample Analysis

GEL's internal QA Program is designed to include QC functions such as instrumentation calibration checks (to insure proper instrument response), blank samples, instrumentation backgrounds, duplicates, as well as overall staff qualification analyses and statistical process controls. Both quality control and qualification analyses samples are used to be as similar as the matrix type of those samples submitted for analysis by the various laboratory clients. These performance test samples (or performance evaluation samples) are either actual sample submitted in duplicate in order to evaluate the precision of laboratory measurements, or fortified blank samples, which have been given a known quantity of a radioisotope that is in the interest to GEL's clients.

Accuracy (or Bias) is measured through laboratory control samples and/or matrix spikes, as well as surrogates and internal standards. The UCLs and LCLs for accuracy are plus or minus three times the standard deviation from the mean of a series of recoveries. The static limit for radiochemical analyses is 75 - 125%. Specific instructions for out-of-control situations are provided in the applicable analytical SOP.

GEL's Laboratory Control Standard (LCS) is an aliquot of reagent water or other blank matrix to which known quantities of the method analytes are added in the laboratory. The LCS is analyzed exactly like a sample, and its purpose is to determine whether the methodology is in control, and whether the laboratory is capable of making accurate and precise measurements. Some methods may refer to these samples as Laboratory Fortified Blanks (LFB). The requirement for recovery is between 75 and 125% for radiological analyses excluding drinking water matrix.

$$\text{Bias (\%)} = \frac{\text{(observed concentration)}}{\text{(known concentration)}} * 100 \%$$

Precision is a data quality indicator of the agreement between measurements of the same property, obtained under similar conditions, and how well they conform to themselves. Precision is usually expressed as standard deviation, variance or range in either absolute or relative (percentage) terms.

GEL's laboratory duplicate (DUP or LCSD) is an aliquot of a sample taken from the same container and processed in the same manner under identical laboratory conditions. The aliquot is analyzed independently from the parent sample and the results are compared to measure precision and accuracy.

If a sample duplicate is analyzed, it will be reported as Relative Percent Difference (RPD). The RPD must be 20 percent or less, if both samples are greater than 5 times the MDC. If both results are less than 5 times MDC, then the RPD must be equal to or less than 100%. If one result is above the MDC and the other is below the MDC, then the RPD can be calculated using the MDC for the result of the one below the MDC. The RPD must be 100% or less. In the situation where both results are above the MDC but one result is greater than 5 times the MDC and the other is less than 5 times the MDC, the RPD must be less than or equal to 20%. If both results are below MDC, then the limits on % RPD are not applicable.

$$\text{Difference (\%)} = \frac{(\text{high duplicate result} - \text{low duplicate result})}{(\text{average of results})} * 100 \%$$

#### Summary of Data Results

During 2010, forty-three radioisotopes associated with six matrix types were analyzed under GEL's Performance Evaluation program in participation with ERA, MAPEP, NYSDOH ELAP and Eckert & Ziegler Analytics. Matrix types were representative of client analyses performed during 2010. The list below contains the type of matrix evaluated by GEL.

- Air Filter
- Cartridge
- Water
- Milk
- Soil
- Vegetation

A summary of GEL's quality control for radiological analyses by isotopic analysis and matrix are represented in Table C-5. Each LCS and DUP represents a batch of samples for each isotopic analysis. This summary contains the number of reportable quality control results for our clients.

#### Summary of Participation in the Eckert & Ziegler Analytics Environmental Cross-Check Program

During 2010, Eckert & Ziegler Analytics provided samples for 106 individual environmental analyses. Of the 106 analyses, 99% (105 out of 106) of all results fell within the PT provider's acceptance criteria. The only analytical failure occurred with the analysis of Iron-59 in milk. For the corrective action associated with the Iron-59 failure, refer to CARR 110209-542. Of the 106 samples analyzed, only samples in the time period corresponding to the 3rd and 4th quarter are summarized in Table C-4. This is the period of time that GEL Laboratories was analyzing

environmental samples for DC Cook. The cross-check program for the 1st and 2nd quarter is summarized in Table C-2, by the ELAB.

#### Quality Control Program for REMP Analyses

GEL's internal (intra-laboratory) quality control program evaluated 1590 individual analyses for bias and 1591 analyses for precision for standard REMP matrix and radionuclides. Of the 959 internal quality control analyses evaluated for bias, 100% met laboratory acceptance criteria. In addition, 100% of the 1591 results for precision were found to be acceptable. The results are summarized in Table C-5.

**TABLE C-3:  
GEL 2010 RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM (REMP)  
INTRA-LABORATORY DATA SUMMARY: BIAS AND PRECISION BY MATRIX**

2010	Bias Criteria ( $\pm$ 25%) Laboratory Control Sample (LCS)		Precision Criteria (%RPD) Duplicate (DUP or LCSB)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
<b>Air Particulate</b>				
Gross Alpha/Beta	325	0	326	0
Americium-241	16	0	16	0
Iodine-131	247	0	249	0
Gamma	23	0	23	0
Strontium-90	15	0	15	0
<b>Air Cartridge</b>				
Iodine-131	11	0	11	0
<b>Milk</b>				
Gamma	63	0	64	0
Iodine-131	61	0	61	0
Strontium-90	33	0	34	0
<b>Solid</b>				
Gamma	27	0	29	0
Carbon-14	2	0	2	0
Iron-55	3	0	3	0
Nickel-63	3	0	3	0
Strontium-90	11	0	11	0
<b>Tissue</b>				
Gamma	38	0	36	0
Strontium-90	3	0	3	0
<b>Vegetation</b>				
Gamma (Including Iodine)	59	0	61	0
Strontium-90	3	0	3	0
<b>Water</b>				
Carbon-14	2	0	2	0
Gross Alpha/Beta	98	0	99	0
Gamma	177	0	170	0
Iodine-131	46	0	47	0
Iron-55	33	0	33	0
Nickel-63	35	0	35	0
Strontium-90	80	0	81	0
Tritium	176	0	174	0
<b>Total</b>	<b>1590</b>	<b>0</b>	<b>1591</b>	<b>0</b>

Note 1: The RPD must be 20 percent or less, if both samples are greater than 5 times the MDC. If both results are less than 5 times MDC, then the RPD must be equal to or less than 100%. If one result is above the MDC and the other is below the MDC, then the RPD can be calculated using the MDC for the result of the one below the MDC. The RPD must be 100% or less. In the situation where both results are above the MDC but one result is greater than 5 times the MDC and the other is less than 5 times the MDC, the RPD must be less than or equal to 20%. If both results are below MDC, then the limits on % RPD are not applicable.

**Table C-4:  
2010 ECKERT & ZIEGLER ANALYTICS PERFORMANCE EVALUATION RESULTS  
SUMMARY FOR QUARTER 3, 2010- QUARTER 4, 2010**

Sample Number	Quarter / Year	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
E7119-278	3 <sup>rd</sup> / 2010	Milk	pCi/L	Cesium-137	1.68E+02	1.50E+02	1.12	Acceptable
E7119-278	3 <sup>rd</sup> / 2010	Milk	pCi/L	Chromium-51	3.90E+02	3.39E+02	1.15	Acceptable
E7119-278	3 <sup>rd</sup> / 2010	Milk	pCi/L	Cobalt-58	1.13E+02	1.01E+02	1.12	Acceptable
E7119-278	3 <sup>rd</sup> / 2010	Milk	pCi/L	Cobalt-60	2.14E+02	1.97E+02	1.09	Acceptable
E7117-278	3 <sup>rd</sup> / 2010	Milk	pCi/L	Iodine-131	7.97E+01	8.02E+01	0.99	Acceptable
E7119-278	3 <sup>rd</sup> / 2010	Milk	pCi/L	Iodine-131	1.06E+02	9.69E+01	1.09	Acceptable
E7119-278	3 <sup>rd</sup> / 2010	Milk	pCi/L	Iron-59	1.55E+02	1.19E+02	1.30	Not Acceptable
E7119-278	3 <sup>rd</sup> / 2010	Milk	pCi/L	Manganese-54	1.99E+02	1.69E+02	1.18	Acceptable
E7118-278	3 <sup>rd</sup> / 2010	Milk	pCi/L	Strontium-89	7.95E+01	9.34E+01	0.85	Acceptable
E7118-278	3 <sup>rd</sup> / 2010	Milk	pCi/L	Strontium-90	1.57E+01	1.67E+01	0.94	Acceptable
E7119-278	3 <sup>rd</sup> / 2010	Milk	pCi/L	Zinc-65	2.40E+02	2.06E+02	1.17	Acceptable
E7195-278	4 <sup>th</sup> / 2010	Milk	pCi/L	Cerium-141	1.39E+02	1.30E+02	1.07	Acceptable
E7196-278	4 <sup>th</sup> / 2010	Water	pCi/L	Cerium-141	1.74E+02	1.65E+02	1.05	Acceptable
E7195-278	4 <sup>th</sup> / 2010	Milk	pCi/L	Cesium-134	9.85E+01	9.30E+01	1.06	Acceptable
E7196-278	4 <sup>th</sup> / 2010	Water	pCi/L	Cesium-134	1.22E+02	1.18E+02	1.03	Acceptable
E7195-278	4 <sup>th</sup> / 2010	Milk	pCi/L	Cesium-137	9.87E+01	9.45E+01	1.04	Acceptable
E7196-278	4 <sup>th</sup> / 2010	Water	pCi/L	Cesium-137	1.24E+02	1.20E+02	1.03	Acceptable
E7195-278	4 <sup>th</sup> / 2010	Milk	pCi/L	Chromium-51	2.48E+02	2.34E+02	1.06	Acceptable
E7196-278	4 <sup>th</sup> / 2010	Water	pCi/L	Chromium-51	3.12E+02	2.97E+02	1.05	Acceptable
E7195-278	4 <sup>th</sup> / 2010	Milk	pCi/L	Cobalt-58	7.02E+01	7.37E+01	0.95	Acceptable
E7196-278	4 <sup>th</sup> / 2010	Water	pCi/L	Cobalt-58	9.63E+01	9.35E+01	1.03	Acceptable
E7195-278	4 <sup>th</sup> / 2010	Milk	pCi/L	Cobalt-60	1.77E+02	1.71E+02	1.04	Acceptable
E7196-278	4 <sup>th</sup> / 2010	Water	pCi/L	Cobalt-60	2.34E+02	2.17E+02	1.08	Acceptable
E7193-278	4 <sup>th</sup> / 2010	Cartridge	pCi	Iodine-131	5.97E+01	6.02E+01	0.99	Acceptable

Sample Number	Quarter / Year	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
E7195-278	4 <sup>th</sup> / 2010	Milk	pCi/L	Iodine-131	1.01E+02	9.41E+02	1.07	Acceptable
E7196-278	4 <sup>th</sup> / 2010	Water	pCi/L	Iodine-131	7.24E+01	6.44E+01	1.12	Acceptable
E7195-278	4 <sup>th</sup> / 2010	Milk	pCi/L	Iron-59	1.02E+02	9.11E+01	1.12	Acceptable
E7195-278	4 <sup>th</sup> / 2010	Milk	pCi/L	Manganese-54	1.20E+02	1.19E+02	1.01	Acceptable
E7196-278	4 <sup>th</sup> / 2010	Water	pCi/L	Manganese-54	1.70E+02	1.52E+02	1.12	Acceptable
E7194-278	4 <sup>th</sup> / 2010	Milk	pCi/L	Strontium-89	7.62E+01	9.28E+01	0.82	Acceptable
E7194-278	4 <sup>th</sup> / 2010	Milk	pCi/L	Strontium-90	1.30E+01	1.47E+01	0.88	Acceptable
E7195-278	4 <sup>th</sup> / 2010	Milk	pCi/L	Zinc-65	2.37E+02	2.04E+02	1.16	Acceptable
E7196-278	4 <sup>th</sup> / 2010	Water	pCi/L	Zinc-65	2.97E+02	2.59E+02	1.15	Acceptable

**TABLE C-5:  
GEL 2010 RADIOLOGICAL INTRA-LABORATORY DATA SUMMARY: BIAS AND  
PRECISION BY MATRIX**

ANALYSIS	INSTRUMENT	LCS	DUP	LCS	DUP	LCS	DUP	LCS	DUP
		FILTER	FILTER	SWIPE	SWIPE	SOLID	SOLID	OIL	OIL
Americium-241	Alpha Spec	2	2	47	38	485	477	13	12
Americium-243	Alpha Spec	2	2	1	0	53	50	2	2
Carbon-14	Liquid Scintillation	4	3	38	32	98	99	9	9
Gamma (long list of isotopes)	Gamma Spec	283	272	47	42	770	792	27	27
Gross Alpha/Beta	Gas Flow	111	135	20	18	20	18	42	42
Iodine-129	Gamma Spec	99	88	28	28	28	28	9	9
Iodine-131	Gamma Spec	6	4	0	0	0	0	0	0
Iron-55	Liquid Scintillation	89	8	30	24	46	48	8	8
Isotopic Plutonium	Alpha Spec and Liquid Scintillation	212	186	82	66	687	683	12	11
Isotopic Strontium	Gas Flow	165	136	41	34	365	367	1	1
Isotopic Thorium	Alpha Spec	82	59	0	0	371	372	0	0
Isotopic Uranium	Alpha Spec and ICP-MS	137	112	13	10	713	697	24	24
Lead-210	Gas Flow	44	26	0	0	33	34	0	0
Nickel-59	Gamma Spec	65	60	28	22	64	64	7	7
Nickel-63	Liquid Scintillation	95	89	39	30	75	74	8	8
Neptunium-237	Alpha Spec	67	59	32	23	107	107	10	9
Polonium-210	Alpha Spec	18	6	0	0	5	6	0	0
Promethium-137	Liquid Scintillation	8	5	0	0	12	11	0	0
Radium-226	Lucas Cell	44	31	0	0	167	175	0	0
Radium-228	Gas Flow	29	25	0	0	129	124	0	0
Technetium-99	Liquid Scintillation	87	75	32	24	142	145	12	12
Tritium	Liquid Scintillation	90	76	42	24	358	359	19	19
ANALYSIS	INSTRUMENT	LCS	DUP	LCS	DUP	LCS	DUP	LCS	DUP
		SLUDGE	SLUDGE	MISC SOLID	MISC SOLID	MISC LIQUID	MISC LIQUID	LIQUID	LIQUID
Americium-241	Alpha Spec	4	4	231	220	22	19	383	335
Americium-243	Alpha Spec	1	1	21	21	5	4	12	11
Carbon-14	Liquid Scintillation	5	5	110	108	34	33	218	175
Gamma (long list of isotopes)	Gamma Spec	17	18	260	256	72	68	747	820
Gross Alpha/Beta	Gas Flow	27	27	112	109	87	80	1169	1180
Iodine-129	Gamma Spec	1	1	88	88	21	21	162	94
Iodine-131	Gamma Spec	0	0	0	0	0	0	11	14
Iron-55	Liquid Scintillation	3	3	74	72	42	43	123	103
Isotopic Plutonium	Alpha Spec or Liquid Scintillation	7	7	143	137	77	70	108	95
Isotopic Strontium	Gas Flow	13	13	61	60	80	76	16	12
Isotopic Thorium	Alpha Spec	13	13	145	132	8	8	289	359
Isotopic Uranium	Alpha Spec	24	24	102	87	39	36	640	557
Lead-210	Gas Flow	0	0	0	0	0	0	114	108
Nickel-59	Gamma Spec	0	0	68	66	9	9	76	63
Nickel-63	Liquid Scintillation	5	5	74	72	50	51	172	143
Neptunium-237	Alpha Spec	3	3	0	0	16	15	193	168
Polonium-210	Alpha Spec	0	0	1	1	0	0	3	3
Promethium-137	Liquid Scintillation	1	1	5	5	3	3	6	2
Radium-226	Lucas Cell	2	2	25	25	5	5	502	505
Radium-228	Gas Flow	0	0	27	28	1	1	432	426
Technetium-99	Liquid Scintillation	15	15	179	175	39	40	41	41
Tritium	Liquid Scintillation	9	9	125	122	8	8	898	824

**Appendix D**

**2010 Data Summary**



## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m <sup>3</sup> )	STD.DEV. (pCi/m <sup>3</sup> )	MDC (pCi/m <sup>3</sup> )	
AP	ONS-1	L16054-01	1/6/2010	Gross Beta	2.40E-02	2.10E-03	4.40E-03	*
AP	ONS-2	L16054-02	1/6/2010	Gross Beta	2.63E-02	2.10E-03	4.30E-03	*
AP	ONS-3	L16054-03	1/6/2010	Gross Beta	2.84E-02	2.20E-03	4.60E-03	*
AP	ONS-4	L16054-04	1/6/2010	Gross Beta	2.85E-02	2.20E-03	4.40E-03	*
AP	ONS-5	L16054-05	1/6/2010	Gross Beta	2.79E-02	2.20E-03	4.60E-03	*
AP	ONS-6	L16054-06	1/6/2010	Gross Beta	2.02E-02	1.90E-03	4.30E-03	*
AP	NBF	L16054-07	1/6/2010	Gross Beta	2.94E-02	2.30E-03	4.60E-03	*
AP	SBN	L16054-08	1/6/2010	Gross Beta	2.93E-02	2.20E-03	4.40E-03	*
AP	DOW	L16054-09	1/6/2010	Gross Beta	2.99E-02	2.20E-03	4.50E-03	*
AP	COL	L16054-10	1/6/2010	Gross Beta	2.90E-02	2.30E-03	4.50E-03	*
AP	ONS-1	L16089-01	1/13/2010	Gross Beta	3.34E-02	2.40E-03	4.60E-03	*
AP	ONS-2	L16089-02	1/13/2010	Gross Beta	3.39E-02	2.30E-03	4.40E-03	*
AP	ONS-3	L16089-03	1/13/2010	Gross Beta	3.44E-02	2.40E-03	4.70E-03	*
AP	ONS-4	L16089-04	1/13/2010	Gross Beta	3.50E-02	2.40E-03	4.50E-03	*
AP	ONS-5	L16089-05	1/13/2010	Gross Beta	3.35E-02	2.40E-03	4.70E-03	*
AP	ONS-6	L16089-06	1/13/2010	Gross Beta	3.06E-02	2.20E-03	4.40E-03	*
AP	NBF	L16089-07	1/13/2010	Gross Beta	3.14E-02	2.30E-03	4.60E-03	*
AP	SBN	L16089-08	1/13/2010	Gross Beta	3.46E-02	2.30E-03	4.40E-03	*
AP	DOW	L16089-09	1/13/2010	Gross Beta	3.99E-02	2.50E-03	4.50E-03	*
AP	COL	L16089-10	1/13/2010	Gross Beta	3.06E-02	2.30E-03	4.50E-03	*
AP	ONS-1	L16117-01	1/20/2010	Gross Beta	4.82E-02	2.60E-03	4.30E-03	*
AP	ONS-2	L16117-02	1/20/2010	Gross Beta	4.97E-02	2.70E-03	4.30E-03	*
AP	ONS-3	L16117-03	1/20/2010	Gross Beta	5.49E-02	2.80E-03	4.50E-03	*
AP	ONS-4	L16117-04	1/20/2010	Gross Beta	5.02E-02	2.70E-03	4.50E-03	*
AP	ONS-5	L16117-05	1/20/2010	Gross Beta	4.87E-02	2.70E-03	4.50E-03	*
AP	ONS-6	L16117-06	1/20/2010	Gross Beta	4.94E-02	2.60E-03	4.30E-03	*
AP	NBF	L16117-07	1/20/2010	Gross Beta	4.72E-02	2.70E-03	4.50E-03	*
AP	SBN	L16117-08	1/20/2010	Gross Beta	4.33E-02	2.50E-03	4.30E-03	*
AP	DOW	L16117-09	1/20/2010	Gross Beta	5.98E-02	2.80E-03	4.20E-03	*
AP	COL	L16117-10	1/20/2010	Gross Beta	5.59E-02	2.90E-03	4.50E-03	*
AP	ONS-1	L16147-01	1/27/2010	Gross Beta	2.69E-02	2.20E-03	4.60E-03	*
AP	ONS-2	L16147-02	1/27/2010	Gross Beta	2.79E-02	2.10E-03	4.30E-03	*
AP	ONS-3	L16147-03	1/27/2010	Gross Beta	2.44E-02	2.20E-03	4.80E-03	*

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	
AP	ONS-4	L16147-04	1/27/2010	Gross Beta	2.87E-02	2.40E-03	5.10E-03	*
AP	ONS-5	L16147-05	1/27/2010	Gross Beta	2.55E-02	2.20E-03	4.60E-03	*
AP	ONS-6	L16147-06	1/27/2010	Gross Beta	2.93E-02	2.20E-03	4.40E-03	*
AP	NBF	L16147-07	1/27/2010	Gross Beta	2.62E-02	2.20E-03	4.70E-03	*
AP	SBN	L16147-08	1/27/2010	Gross Beta	2.55E-02	2.20E-03	4.70E-03	*
AP	DOW	L16147-09	1/27/2010	Gross Beta	3.26E-02	2.40E-03	4.60E-03	*
AP	COL	L16147-10	1/27/2010	Gross Beta	2.87E-02	2.30E-03	4.60E-03	*
AP	ONS-1	L16170-01	2/3/2010	Gross Beta	3.15E-02	2.30E-03	4.30E-03	*
AP	ONS-2	L16170-02	2/3/2010	Gross Beta	3.21E-02	2.20E-03	4.10E-03	*
AP	ONS-3	L16170-03	2/3/2010	Gross Beta	3.24E-02	2.30E-03	4.30E-03	*
AP	ONS-4	L16170-04	2/3/2010	Gross Beta	3.37E-02	2.40E-03	4.40E-03	*
AP	ONS-5	L16170-05	2/3/2010	Gross Beta	3.88E-02	2.50E-03	4.30E-03	*
AP	ONS-6	L16170-06	2/3/2010	Gross Beta	3.19E-02	2.20E-03	4.10E-03	*
AP	NBF	L16170-07	2/3/2010	Gross Beta	3.04E-02	2.20E-03	4.20E-03	*
AP	SBN	L16170-08	2/3/2010	Gross Beta	3.35E-02	2.30E-03	4.30E-03	*
AP	DOW	L16170-09	2/3/2010	Gross Beta	4.12E-02	2.40E-03	4.10E-03	*
AP	COL	L16170-10	2/3/2010	Gross Beta	3.40E-02	2.30E-03	4.30E-03	*
AP	ONS-1	L16189-01	2/10/2010	Gross Beta	2.62E-02	2.30E-03	5.00E-03	*
AP	ONS-2	L16189-02	2/10/2010	Gross Beta	2.61E-02	2.20E-03	4.80E-03	*
AP	ONS-3	L16189-03	2/10/2010	Gross Beta	2.31E-02	2.20E-03	5.00E-03	*
AP	ONS-4	L16189-04	2/10/2010	Gross Beta	2.48E-02	2.40E-03	5.30E-03	*
AP	ONS-5	L16189-05	2/10/2010	Gross Beta	2.52E-02	2.30E-03	5.00E-03	*
AP	ONS-6	L16189-06	2/10/2010	Gross Beta	2.28E-02	2.10E-03	4.80E-03	*
AP	NBF	L16189-07	2/10/2010	Gross Beta	2.64E-02	2.30E-03	4.90E-03	*
AP	SBN	L16189-08	2/10/2010	Gross Beta	2.84E-02	2.30E-03	4.80E-03	*
AP	DOW	L16189-09	2/10/2010	Gross Beta	2.92E-02	2.30E-03	4.70E-03	*
AP	COL	L16189-10	2/10/2010	Gross Beta	2.52E-02	2.30E-03	5.00E-03	*
AP	ONS-1	L16208-01	2/17/2010	Gross Beta	2.01E-02	2.10E-03	4.90E-03	*
AP	ONS-2	L16208-02	2/17/2010	Gross Beta	2.00E-02	2.00E-03	4.50E-03	*
AP	ONS-3	L16208-03	2/17/2010	Gross Beta	2.18E-02	2.20E-03	5.00E-03	*
AP	ONS-4	L16208-04	2/17/2010	Gross Beta	2.11E-02	2.20E-03	5.10E-03	*
AP	ONS-5	L16208-05	2/17/2010	Gross Beta	1.54E-02	1.90E-03	4.80E-03	*
AP	ONS-6	L16208-06	2/17/2010	Gross Beta	1.79E-02	2.00E-03	4.70E-03	*

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	
AP	NBF	L16208-07	2/17/2010	Gross Beta	1.79E-02	2.00E-03	4.80E-03	*
AP	SBN	L16208-08	2/17/2010	Gross Beta	1.97E-02	2.00E-03	4.50E-03	*
AP	DOW	L16208-09	2/17/2010	Gross Beta	1.88E-02	2.00E-03	4.70E-03	*
AP	COL	L16208-10	2/17/2010	Gross Beta	1.97E-02	2.10E-03	4.80E-03	*
AP	ONS-1	L16231-01	2/24/2010	Gross Beta	2.90E-02	2.20E-03	4.40E-03	*
AP	ONS-2	L16231-02	2/24/2010	Gross Beta	3.02E-02	2.20E-03	4.10E-03	*
AP	ONS-3	L16231-03	2/24/2010	Gross Beta	2.85E-02	2.30E-03	4.60E-03	*
AP	ONS-4	L16231-04	2/24/2010	Gross Beta	3.14E-02	2.40E-03	4.70E-03	*
AP	ONS-5	L16231-05	2/24/2010	Gross Beta	3.05E-02	2.30E-03	4.40E-03	*
AP	ONS-6	L16231-06	2/24/2010	Gross Beta	3.09E-02	2.30E-03	4.40E-03	*
AP	NBF	L16231-07	2/24/2010	Gross Beta	2.85E-02	2.10E-03	4.10E-03	*
AP	SBN	L16231-08	2/24/2010	Gross Beta	2.75E-02	2.10E-03	4.20E-03	*
AP	DOW	L16231-09	2/24/2010	Gross Beta	2.59E-02	2.10E-03	4.30E-03	*
AP	COL	L16231-10	2/24/2010	Gross Beta	2.59E-02	2.10E-03	4.30E-03	*
AP	ONS-1	L16257-01	3/3/2010	Gross Beta	2.63E-02	2.10E-03	4.30E-03	*
AP	ONS-2	L16257-02	3/3/2010	Gross Beta	2.56E-02	2.10E-03	4.10E-03	*
AP	ONS-3	L16257-03	3/3/2010	Gross Beta	2.56E-02	2.00E-03	4.10E-03	*
AP	ONS-4	L16257-04	3/3/2010	Gross Beta	2.52E-02	2.20E-03	4.70E-03	*
AP	ONS-5	L16257-05	3/3/2010	Gross Beta	2.30E-02	2.10E-03	4.30E-03	*
AP	ONS-6	L16257-06	3/3/2010	Gross Beta	2.61E-02	2.10E-03	4.10E-03	*
AP	NBF	L16257-07	3/3/2010	Gross Beta	2.51E-02	2.10E-03	4.30E-03	*
AP	SBN	L16257-08	3/3/2010	Gross Beta	2.93E-02	2.10E-03	4.10E-03	*
AP	DOW	L16257-09	3/3/2010	Gross Beta	3.32E-02	2.30E-03	4.40E-03	*
AP	COL	L16257-10	3/3/2010	Gross Beta	3.15E-02	2.30E-03	4.30E-03	*
AP	ONS-1	L16270-01	3/10/2010	Gross Beta	3.01E-02	2.10E-03	3.70E-03	*
AP	ONS-2	L16270-02	3/10/2010	Gross Beta	3.42E-02	2.30E-03	3.80E-03	*
AP	ONS-3	L16270-03	3/10/2010	Gross Beta	3.02E-02	2.10E-03	3.70E-03	*
AP	ONS-4	L16270-04	3/10/2010	Gross Beta	3.43E-02	2.40E-03	4.10E-03	*
AP	ONS-5	L16270-05	3/10/2010	Gross Beta	3.36E-02	2.30E-03	3.80E-03	*
AP	ONS-6	L16270-06	3/10/2010	Gross Beta	3.06E-02	2.20E-03	3.80E-03	*
AP	NBF	L16270-07	3/10/2010	Gross Beta	2.98E-02	2.20E-03	3.80E-03	*
AP	SBN	L16270-08	3/10/2010	Gross Beta	3.67E-02	2.30E-03	3.70E-03	*
AP	DOW	L16270-09	3/10/2010	Gross Beta	4.05E-02	2.40E-03	3.80E-03	*

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	
AP	COL	L16270-10	3/10/2010	Gross Beta	3.57E-02	2.30E-03	3.80E-03	*
AP	ONS-1	L16291-01	3/17/2010	Gross Beta	1.71E-02	2.00E-03	4.70E-03	*
AP	ONS-2	L16291-02	3/17/2010	Gross Beta	1.58E-02	1.80E-03	4.50E-03	*
AP	ONS-3	L16291-03	3/17/2010	Gross Beta	1.66E-02	1.80E-03	4.20E-03	*
AP	ONS-4	L16291-04	3/17/2010	Gross Beta	1.84E-02	2.00E-03	4.80E-03	*
AP	ONS-5	L16291-05	3/17/2010	Gross Beta	1.74E-02	2.00E-03	4.60E-03	*
AP	ONS-6	L16291-06	3/17/2010	Gross Beta	1.72E-02	1.90E-03	4.40E-03	*
AP	NBF	L16291-07	3/17/2010	Gross Beta	1.59E-02	1.90E-03	4.50E-03	*
AP	SBN	L16291-08	3/17/2010	Gross Beta	1.40E-02	1.90E-03	4.70E-03	*
AP	DOW	L16291-09	3/17/2010	Gross Beta	2.00E-02	2.00E-03	4.60E-03	*
AP	COL	L16291-10	3/17/2010	Gross Beta	1.66E-02	1.90E-03	4.70E-03	*
AP	ONS-1	L16327-01	3/24/2010	Gross Beta	2.74E-02	2.30E-03	4.60E-03	*
AP	ONS-2	L16327-02	3/24/2010	Gross Beta	2.41E-02	2.10E-03	4.20E-03	*
AP	ONS-3	L16327-03	3/24/2010	Gross Beta	2.23E-02	2.00E-03	4.20E-03	*
AP	ONS-4	L16327-04	3/24/2010	Gross Beta	4.20E-03	1.40E-03	4.20E-03	*
AP	ONS-5	L16327-05	3/24/2010	Gross Beta	2.85E-02	2.20E-03	4.30E-03	*
AP	ONS-6	L16327-06	3/24/2010	Gross Beta	2.43E-02	2.10E-03	4.20E-03	*
AP	NBF	L16327-07	3/24/2010	Gross Beta	2.16E-02	2.00E-03	4.30E-03	*
AP	SBN	L16327-08	3/24/2010	Gross Beta	3.05E-02	2.30E-03	4.40E-03	*
AP	DOW	L16327-09	3/24/2010	Gross Beta	2.36E-02	2.00E-03	3.90E-03	*
AP	COL	L16327-10	3/24/2010	Gross Beta	2.55E-02	2.20E-03	4.50E-03	*
AP	ONS-1	L16351-01	3/31/2010	Gross Beta	2.89E-02	2.30E-03	4.60E-03	*
AP	ONS-2	L16351-02	3/31/2010	Gross Beta	2.73E-02	2.20E-03	4.30E-03	*
AP	ONS-3	L16351-03	3/31/2010	Gross Beta	2.70E-02	2.20E-03	4.40E-03	*
AP	ONS-4	L16351-04	3/31/2010	Gross Beta	2.76E-02	2.10E-03	4.20E-03	*
AP	ONS-5	L16351-05	3/31/2010	Gross Beta	3.11E-02	2.30E-03	4.50E-03	*
AP	ONS-6	L16351-06	3/31/2010	Gross Beta	2.82E-02	2.10E-03	4.20E-03	*
AP	NBF	L16351-07	3/31/2010	Gross Beta	2.68E-02	2.10E-03	4.30E-03	*
AP	SBN	L16351-08	3/31/2010	Gross Beta	3.29E-02	2.40E-03	4.50E-03	*
AP	DOW	L16351-09	3/31/2010	Gross Beta	2.49E-02	2.10E-03	4.20E-03	*
AP	COL	L16351-10	3/31/2010	Gross Beta	2.65E-02	2.20E-03	4.60E-03	*
AP	ONS-1	L16378-01	4/7/2010	Gross Beta	3.00E-02	2.20E-03	4.20E-03	*
AP	ONS-2	L16378-02	4/7/2010	Gross Beta	3.60E-02	2.30E-03	4.10E-03	*

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	
AP	ONS-3	L16378-03	4/7/2010	Gross Beta	3.24E-02	2.30E-03	4.10E-03	*
AP	ONS-4	L16378-04	4/7/2010	Gross Beta	3.24E-02	2.20E-03	3.90E-03	*
AP	ONS-5	L16378-05	4/7/2010	Gross Beta	3.62E-02	2.40E-03	4.10E-03	*
AP	ONS-6	L16378-06	4/7/2010	Gross Beta	3.36E-02	2.30E-03	4.10E-03	*
AP	NBF	L16378-07	4/7/2010	Gross Beta	2.94E-02	2.20E-03	4.10E-03	*
AP	SBN	L16378-08	4/7/2010	Gross Beta	3.18E-02	2.20E-03	4.10E-03	*
AP	DOW	L16378-09	4/7/2010	Gross Beta	3.08E-02	2.20E-03	4.10E-03	*
AP	COL	L16378-10	4/7/2010	Gross Beta	3.07E-02	2.20E-03	4.10E-03	*
AP	ONS-1	L16407-01	4/14/2010	Gross Beta	2.32E-02	1.90E-03	3.50E-03	*
AP	ONS-2	L16407-02	4/14/2010	Gross Beta	2.37E-02	1.90E-03	3.50E-03	*
AP	ONS-3	L16407-03	4/14/2010	Gross Beta	2.64E-02	2.00E-03	3.70E-03	*
AP	ONS-4	L16407-04	4/14/2010	Gross Beta	2.05E-02	1.80E-03	3.50E-03	*
AP	ONS-5	L16407-05	4/14/2010	Gross Beta	2.20E-02	1.80E-03	3.40E-03	*
AP	ONS-6	L16407-06	4/14/2010	Gross Beta	2.60E-02	1.90E-03	3.50E-03	*
AP	NBF	L16407-07	4/14/2010	Gross Beta	2.35E-02	1.90E-03	3.60E-03	*
AP	SBN	L16407-08	4/14/2010	Gross Beta	2.33E-02	2.00E-03	3.80E-03	*
AP	DOW	L16407-09	4/14/2010	Gross Beta	2.13E-02	1.80E-03	3.50E-03	*
AP	COL	L16407-10	4/14/2010	Gross Beta	2.29E-02	1.90E-03	3.70E-03	*
AP	ONS-1	L16439-01	4/21/2010	Gross Beta	2.39E-02	2.10E-03	4.50E-03	*
AP	ONS-2	L16439-02	4/21/2010	Gross Beta	2.45E-02	2.30E-03	5.00E-03	*
AP	ONS-3	L16439-03	4/21/2010	Gross Beta	2.18E-02	2.10E-03	4.60E-03	*
AP	ONS-4	L16439-04	4/21/2010	Gross Beta	1.80E-02	2.00E-03	4.70E-03	*
AP	ONS-5	L16439-05	4/21/2010	Gross Beta	2.07E-02	2.10E-03	4.70E-03	*
AP	ONS-6	L16439-06	4/21/2010	Gross Beta	2.01E-02	2.10E-03	4.70E-03	*
AP	NBF	L16439-07	4/21/2010	Gross Beta	2.29E-02	2.20E-03	4.70E-03	*
AP	SBN	L16439-08	4/21/2010	Gross Beta	2.31E-02	2.10E-03	4.60E-03	*
AP	DOW	L16439-09	4/21/2010	Gross Beta	2.12E-02	2.10E-03	4.60E-03	*
AP	COL	L16439-10	4/21/2010	Gross Beta	2.42E-02	2.20E-03	4.70E-03	*
AP	ONS-1	L16469-01	4/28/2010	Gross Beta	2.44E-02	2.00E-03	3.70E-03	*
AP	ONS-2	L16469-02	4/28/2010	Gross Beta	2.00E-02	1.80E-03	3.50E-03	*
AP	ONS-3	L16469-03	4/28/2010	Gross Beta	2.65E-02	2.10E-03	3.80E-03	*
AP	ONS-4	L16469-04	4/28/2010	Gross Beta	2.39E-02	2.00E-03	3.80E-03	*
AP	ONS-5	L16469-05	4/28/2010	Gross Beta	2.10E-02	1.90E-03	3.80E-03	*

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	
AP	ONS-6	L16469-06	4/28/2010	Gross Beta	2.16E-02	1.90E-03	3.80E-03	*
AP	NBF	L16469-07	4/28/2010	Gross Beta	2.25E-02	1.90E-03	3.80E-03	*
AP	SBN	L16469-08	4/28/2010	Gross Beta	2.69E-02	2.00E-03	3.70E-03	*
AP	DOW	L16469-09	4/28/2010	Gross Beta	2.12E-02	1.90E-03	3.70E-03	*
AP	COL	L16469-10	4/28/2010	Gross Beta	2.72E-02	2.10E-03	4.00E-03	*
AP	ONS-1	L16496-01	5/5/2010	Gross Beta	2.65E-02	2.10E-03	4.10E-03	*
AP	ONS-2	L16496-02	5/5/2010	Gross Beta	2.45E-02	2.20E-03	4.50E-03	*
AP	ONS-3	L16496-03	5/5/2010	Gross Beta	2.60E-02	2.20E-03	4.40E-03	*
AP	ONS-4	L16496-04	5/5/2010	Gross Beta	2.40E-02	2.10E-03	4.40E-03	*
AP	ONS-5	L16496-05	5/5/2010	Gross Beta	2.23E-02	2.00E-03	4.30E-03	*
AP	ONS-6	L16496-06	5/5/2010	Gross Beta	2.36E-02	2.10E-03	4.40E-03	*
AP	NBF	L16496-07	5/5/2010	Gross Beta	1.99E-02	2.00E-03	4.40E-03	*
AP	SBN	L16496-08	5/5/2010	Gross Beta	2.30E-02	2.00E-03	4.20E-03	*
AP	DOW	L16496-09	5/5/2010	Gross Beta	2.16E-02	2.10E-03	4.40E-03	*
AP	COL	L16496-10	5/5/2010	Gross Beta	2.77E-02	2.50E-03	5.20E-03	*
AP	ONS-1	L16519-01	5/12/2010	Gross Beta	1.23E-02	1.80E-03	4.60E-03	*
AP	ONS-2	L16519-02	5/12/2010	Gross Beta	1.42E-02	1.80E-03	4.40E-03	*
AP	ONS-3	L16519-03	5/12/2010	Gross Beta	1.49E-02	1.80E-03	4.40E-03	*
AP	ONS-4	L16519-04	5/12/2010	Gross Beta	1.32E-02	1.80E-03	4.30E-03	*
AP	ONS-5	L16519-05	5/12/2010	Gross Beta	1.24E-02	1.70E-03	4.30E-03	*
AP	ONS-6	L16519-06	5/12/2010	Gross Beta	1.50E-02	1.80E-03	4.40E-03	*
AP	NBF	L16519-07	5/12/2010	Gross Beta	1.55E-02	1.80E-03	4.30E-03	*
AP	SBN	L16519-08	5/12/2010	Gross Beta	1.78E-02	1.90E-03	4.40E-03	*
AP	DOW	L16519-09	5/12/2010	Gross Beta	1.46E-02	1.80E-03	4.40E-03	*
AP	COL	L16519-10	5/12/2010	Gross Beta	4.40E-01	7.80E-01	2.70E+00	+
AP	ONS-1	L16539-01	5/19/2010	Gross Beta	1.62E-02	1.70E-03	3.80E-03	*
AP	ONS-2	L16539-02	5/19/2010	Gross Beta	1.85E-02	1.80E-03	3.70E-03	*
AP	ONS-3	L16539-03	5/19/2010	Gross Beta	1.71E-02	1.80E-03	3.70E-03	*
AP	ONS-4	L16539-04	5/19/2010	Gross Beta	1.71E-02	1.70E-03	3.60E-03	*
AP	ONS-5	L16539-05	5/19/2010	Gross Beta	1.83E-02	1.80E-03	3.80E-03	*
AP	ONS-6	L16539-06	5/19/2010	Gross Beta	1.97E-02	1.80E-03	3.70E-03	*
AP	NBF	L16539-07	5/19/2010	Gross Beta	1.78E-02	1.80E-03	3.80E-03	*
AP	SBN	L16539-08	5/19/2010	Gross Beta	1.66E-02	1.70E-03	3.70E-03	*

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

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x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	
AP	DOW	L16539-09	5/19/2010	Gross Beta	1.66E-02	1.70E-03	3.80E-03	*
AP	COL	L16539-10	5/19/2010	Gross Beta	1.75E-02	1.80E-03	3.90E-03	*
AP	ONS-1	L16571-01	5/26/2010	Gross Beta	2.24E-02	1.90E-03	3.90E-03	*
AP	ONS-2	L16571-02	5/26/2010	Gross Beta	2.21E-02	2.00E-03	4.00E-03	*
AP	ONS-3	L16571-03	5/26/2010	Gross Beta	2.51E-02	2.00E-03	3.90E-03	*
AP	ONS-4	L16571-04	5/26/2010	Gross Beta	1.93E-02	1.90E-03	4.10E-03	*
AP	ONS-5	L16571-05	5/26/2010	Gross Beta	2.56E-02	2.00E-03	3.80E-03	*
AP	ONS-6	L16571-06	5/26/2010	Gross Beta	2.48E-02	2.00E-03	4.00E-03	*
AP	NBF	L16571-07	5/26/2010	Gross Beta	2.17E-02	2.00E-03	4.10E-03	*
AP	SBN	L16571-08	5/26/2010	Gross Beta	2.29E-02	1.90E-03	3.90E-03	*
AP	DOW	L16571-09	5/26/2010	Gross Beta	2.14E-02	2.00E-03	4.10E-03	*
AP	COL	L16571-10	5/26/2010	Gross Beta	2.57E-02	2.10E-03	4.00E-03	*
AP	ONS-1	L16594-01	6/2/2010	Gross Beta	2.25E-02	2.10E-03	4.60E-03	*
AP	ONS-2	L16594-02	6/2/2010	Gross Beta	1.80E-02	2.00E-03	4.60E-03	*
AP	ONS-3	L16594-03	6/2/2010	Gross Beta	2.34E-02	2.10E-03	4.50E-03	*
AP	ONS-4	L16594-04	6/2/2010	Gross Beta	2.20E-02	2.10E-03	4.60E-03	*
AP	ONS-5	L16594-05	6/2/2010	Gross Beta	2.05E-02	2.00E-03	4.50E-03	*
AP	ONS-6	L16594-06	6/2/2010	Gross Beta	2.22E-02	2.10E-03	4.70E-03	*
AP	NBF	L16594-07	6/2/2010	Gross Beta	2.49E-02	2.20E-03	4.60E-03	*
AP	SBN	L16594-08	6/2/2010	Gross Beta	2.14E-02	2.00E-03	4.40E-03	*
AP	DOW	L16594-09	6/2/2010	Gross Beta	2.20E-02	2.00E-03	4.50E-03	*
AP	COL	L16594-10	6/2/2010	Gross Beta	2.44E-02	2.10E-03	4.60E-03	*
AP	ONS-1	L16615-01	6/9/2010	Gross Beta	1.80E-02	1.80E-03	4.00E-03	*
AP	ONS-2	L16615-02	6/9/2010	Gross Beta	1.71E-02	1.80E-03	3.90E-03	*
AP	ONS-3	L16615-03	6/9/2010	Gross Beta	1.65E-02	1.70E-03	3.90E-03	*
AP	ONS-4	L16615-04	6/9/2010	Gross Beta	1.97E-02	1.90E-03	4.00E-03	*
AP	ONS-5	L16615-05	6/9/2010	Gross Beta	1.72E-02	1.80E-03	3.90E-03	*
AP	ONS-6	L16615-06	6/9/2010	Gross Beta	1.60E-02	1.70E-03	3.80E-03	*
AP	NBF	L16615-07	6/9/2010	Gross Beta	1.77E-02	1.80E-03	3.90E-03	*
AP	SBN	L16615-08	6/9/2010	Gross Beta	2.28E-02	1.90E-03	3.80E-03	*
AP	DOW	L16615-09	6/9/2010	Gross Beta	1.78E-02	1.80E-03	4.00E-03	*
AP	COL	L16615-10	6/9/2010	Gross Beta	1.74E-02	1.80E-03	3.90E-03	*
AP	ONS-1	L16652-01	6/16/2010	Gross Beta	1.53E-02	1.80E-03	4.30E-03	*

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	
AP	ONS-2	L16652-02	6/16/2010	Gross Beta	1.79E-02	1.80E-03	4.00E-03	*
AP	ONS-3	L16652-03	6/16/2010	Gross Beta	1.63E-02	1.80E-03	4.20E-03	*
AP	ONS-4	L16652-04	6/16/2010	Gross Beta	1.52E-02	1.80E-03	4.20E-03	*
AP	ONS-5	L16652-05	6/16/2010	Gross Beta	1.31E-02	1.70E-03	4.10E-03	*
AP	ONS-6	L16652-06	6/16/2010	Gross Beta	1.48E-02	1.70E-03	4.00E-03	*
AP	NBF	L16652-07	6/16/2010	Gross Beta	1.67E-02	1.80E-03	4.10E-03	*
AP	SBN	L16652-08	6/16/2010	Gross Beta	1.78E-02	1.90E-03	4.20E-03	*
AP	DOW	L16652-09	6/16/2010	Gross Beta	1.45E-02	1.70E-03	4.10E-03	*
AP	COL	L16652-10	6/16/2010	Gross Beta	1.53E-02	1.80E-03	4.10E-03	*
AP	ONS-1	L16668-01	6/23/2010	Gross Beta	1.90E-02	1.80E-03	3.80E-03	*
AP	ONS-2	L16668-02	6/23/2010	Gross Beta	1.67E-02	1.80E-03	4.00E-03	*
AP	ONS-3	L16668-03	6/23/2010	Gross Beta	1.75E-02	1.80E-03	4.00E-03	*
AP	ONS-4	L16668-04	6/23/2010	Gross Beta	1.70E-02	1.80E-03	3.90E-03	*
AP	ONS-5	L16668-05	6/23/2010	Gross Beta	1.45E-02	1.70E-03	4.00E-03	*
AP	ONS-6	L16668-06	6/23/2010	Gross Beta	1.59E-02	1.80E-03	4.00E-03	*
AP	NBF	L16668-07	6/23/2010	Gross Beta	1.92E-02	2.00E-03	4.60E-03	*
AP	SBN	L16668-08	6/23/2010	Gross Beta	1.83E-02	1.80E-03	3.90E-03	*
AP	DOW	L16668-09	6/23/2010	Gross Beta	1.60E-02	1.80E-03	3.90E-03	*
AP	COL	L16668-10	6/23/2010	Gross Beta	1.83E-02	1.80E-03	3.90E-03	*
AP	ONS-1	L16721-01	6/30/2010	Gross Beta	1.71E-02	1.90E-03	4.30E-03	*
AP	ONS-2	L16721-02	6/30/2010	Gross Beta	1.81E-02	2.00E-03	4.50E-03	*
AP	ONS-3	L16721-03	6/30/2010	Gross Beta	1.59E-02	1.90E-03	4.50E-03	*
AP	ONS-4	L16721-04	6/30/2010	Gross Beta	1.46E-02	1.80E-03	4.30E-03	*
AP	ONS-5	L16721-05	6/30/2010	Gross Beta	2.33E-02	2.10E-03	4.50E-03	*
AP	ONS-6	L16721-06	6/30/2010	Gross Beta	1.55E-02	1.90E-03	4.50E-03	*
AP	NBF	L16721-07	6/30/2010	Gross Beta	1.24E-02	1.70E-03	4.30E-03	*
AP	SBN	L16721-08	6/30/2010	Gross Beta	1.98E-02	2.10E-03	4.70E-03	*
AP	DOW	L16721-09	6/30/2010	Gross Beta	1.73E-02	1.90E-03	4.40E-03	*
AP	COL	L16721-10	6/30/2010	Gross Beta	1.64E-02	1.90E-03	4.50E-03	*
AP	NBF	256165001	7/7/2010	Gross Beta	3.70E-02	1.87E-03	1.66E-03	*
AP	SBN	256165002	7/7/2010	Gross Beta	3.53E-02	1.74E-03	1.09E-03	*
AP	DOW	256165003	7/7/2010	Gross Beta	3.43E-02	1.74E-03	9.53E-04	*
AP	COL	256165004	7/7/2010	Gross Beta	3.33E-02	1.72E-03	9.29E-04	*

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m <sup>3</sup> )	STD.DEV. (pCi/m <sup>3</sup> )	MDC (pCi/m <sup>3</sup> )	
AP	ONS-1	256165005	7/7/2010	Gross Beta	3.87E-02	1.84E-03	1.24E-03	*
AP	ONS-2	256165006	7/7/2010	Gross Beta	3.88E-02	1.84E-03	9.08E-04	*
AP	ONS-3	256165007	7/7/2010	Gross Beta	3.46E-02	1.73E-03	8.65E-04	*
AP	ONS-4	256165008	7/7/2010	Gross Beta	3.27E-02	1.77E-03	1.67E-03	*
AP	ONS-5	256165009	7/7/2010	Gross Beta	4.06E-02	1.88E-03	8.64E-04	*
AP	ONS-6	256165010	7/7/2010	Gross Beta	3.94E-02	1.90E-03	1.16E-03	*
AP	NBF	256625001	7/14/2010	Gross Beta	4.15E-02	1.98E-03	1.59E-03	*
AP	SBN	256625002	7/14/2010	Gross Beta	4.16E-02	1.86E-03	8.42E-04	*
AP	DOW	256625003	7/14/2010	Gross Beta	4.41E-02	2.03E-03	1.31E-03	*
AP	COL	256625004	7/14/2010	Gross Beta	4.17E-02	1.95E-03	1.01E-03	*
AP	ONS-1	256625005	7/14/2010	Gross Beta	4.13E-02	2.00E-03	1.45E-03	*
AP	ONS-2	256625006	7/14/2010	Gross Beta	3.79E-02	1.86E-03	1.54E-03	*
AP	ONS-3	256625007	7/14/2010	Gross Beta	4.74E-02	2.05E-03	9.00E-04	*
AP	ONS-4	256625008	7/14/2010	Gross Beta	4.07E-02	1.95E-03	1.31E-03	*
AP	ONS-5	256625009	7/14/2010	Gross Beta	4.38E-02	2.03E-03	1.05E-03	*
AP	ONS-6	256625010	7/14/2010	Gross Beta	4.39E-02	2.04E-03	1.42E-03	*
AP	NBF	257043001	7/21/2010	Gross Beta	4.30E-02	1.99E-03	1.38E-03	*
AP	SBN	257043002	7/21/2010	Gross Beta	4.07E-02	1.37E-03	1.09E-03	*
AP	DOW	257043003	7/21/2010	Gross Beta	4.16E-02	1.37E-03	6.48E-04	*
AP	COL	257043004	7/21/2010	Gross Beta	4.50E-02	1.45E-03	7.27E-04	*
AP	ONS-1	257043005	7/21/2010	Gross Beta	3.02E-04	3.38E-04	1.04E-03	
AP	ONS-2	257043006	7/21/2010	Gross Beta	3.76E-02	1.86E-03	1.55E-03	*
AP	ONS-3	257043007	7/21/2010	Gross Beta	4.59E-02	1.97E-03	8.51E-04	*
AP	ONS-4	257043008	7/21/2010	Gross Beta	4.35E-02	1.99E-03	1.02E-03	*
AP	ONS-5	257043009	7/21/2010	Gross Beta	4.78E-02	2.11E-03	1.41E-03	*
AP	ONS-6	257043010	7/21/2010	Gross Beta	4.83E-02	2.14E-03	1.60E-03	*
AP	NBF	257551001	7/28/2010	Gross Beta	3.66E-02	1.86E-03	1.43E-03	*
AP	SBN	257551002	7/28/2010	Gross Beta	3.69E-02	1.76E-03	8.34E-04	*
AP	DOW	257551003	7/28/2010	Gross Beta	3.35E-02	1.78E-03	1.32E-03	*
AP	COL	257551004	7/28/2010	Gross Beta	3.33E-02	1.73E-03	9.82E-04	*
AP	ONS-1	257551005	7/28/2010	Gross Beta	3.50E-02	1.87E-03	1.50E-03	*
AP	ONS-2	257551006	7/28/2010	Gross Beta	3.37E-02	1.71E-03	8.67E-04	*
AP	ONS-3	257551007	7/28/2010	Gross Beta	3.86E-02	1.88E-03	1.28E-03	*

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	
AP	ONS-4	257551008	7/28/2010	Gross Beta	3.39E-02	1.78E-03	1.02E-03	*
AP	ONS-5	257551009	7/28/2010	Gross Beta	3.45E-02	1.82E-03	1.45E-03	*
AP	ONS-6	257551010	7/28/2010	Gross Beta	3.69E-02	1.81E-03	8.85E-04	*
AP	NBF	258182001	8/4/2010	Gross Beta	4.19E-02	1.95E-03	1.53E-03	*
AP	SBN	258182002	8/4/2010	Gross Beta	4.13E-02	1.87E-03	8.60E-04	*
AP	DOW	258182003	8/4/2010	Gross Beta	4.13E-02	1.96E-03	1.31E-03	*
AP	COL	258182004	8/4/2010	Gross Beta	4.19E-02	1.95E-03	1.01E-03	*
AP	ONS-1	258182005	8/4/2010	Gross Beta	3.79E-02	1.88E-03	1.40E-03	*
AP	ONS-2	258182006	8/4/2010	Gross Beta	3.64E-02	1.85E-03	1.58E-03	*
AP	ONS-3	258182007	8/4/2010	Gross Beta	3.66E-02	1.75E-03	8.47E-04	*
AP	ONS-4	258182008	8/4/2010	Gross Beta	3.77E-02	1.87E-03	1.31E-03	*
AP	ONS-5	258182009	8/4/2010	Gross Beta	3.81E-02	1.86E-03	1.02E-03	*
AP	ONS-6	258182010	8/4/2010	Gross Beta	3.88E-02	1.84E-03	8.85E-04	*
AP	NBF	258806001	8/11/2010	Gross Beta	4.34E-02	2.00E-03	1.36E-03	*
AP	SBN	258806002	8/11/2010	Gross Beta	6.85E-02	2.84E-03	1.15E-03	*
AP	DOW	258806003	8/11/2010	Gross Beta	4.28E-02	2.01E-03	1.53E-03	*
AP	COL	258806004	8/11/2010	Gross Beta	4.46E-02	2.00E-03	1.02E-03	*
AP	ONS-1	258806005	8/11/2010	Gross Beta	4.82E-02	2.13E-03	1.39E-03	*
AP	ONS-2	258806006	8/11/2010	Gross Beta	4.65E-02	2.05E-03	9.58E-04	*
AP	ONS-3	258806007	8/11/2010	Gross Beta	4.77E-02	2.05E-03	1.30E-03	*
AP	ONS-4	258806008	8/11/2010	Gross Beta	4.47E-02	1.99E-03	8.63E-04	*
AP	ONS-5	258806009	8/11/2010	Gross Beta	4.88E-02	2.15E-03	1.54E-03	*
AP	ONS-6	258806010	8/11/2010	Gross Beta	5.04E-02	2.16E-03	1.04E-03	*
AP	NBF	259210001	8/18/2010	Gross Beta	4.00E-02	1.91E-03	1.37E-03	*
AP	SBN	259210002	8/18/2010	Gross Beta	3.89E-02	1.85E-03	1.22E-03	*
AP	DOW	259210003	8/18/2010	Gross Beta	3.51E-02	1.77E-03	8.68E-04	*
AP	COL	259210004	8/18/2010	Gross Beta	3.89E-02	1.85E-03	1.38E-03	*
AP	ONS-1	259210005	8/18/2010	Gross Beta	4.53E-02	2.07E-03	1.42E-03	*
AP	ONS-2	259210006	8/18/2010	Gross Beta	4.11E-02	1.95E-03	9.07E-04	*
AP	ONS-3	259210007	8/18/2010	Gross Beta	4.08E-02	1.90E-03	1.39E-03	*
AP	ONS-4	259210008	8/18/2010	Gross Beta	4.03E-02	1.92E-03	9.84E-04	*
AP	ONS-5	259210009	8/18/2010	Gross Beta	4.03E-02	1.96E-03	1.42E-03	*
AP	ONS-6	259210010	8/18/2010	Gross Beta	3.87E-02	1.80E-03	8.20E-04	*

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
AP	NBF	266305001	9/29/2010	Ac-228	-6.57E-04	3.88E-04	1.17E-03
AP	NBF	266305001	9/29/2010	Ag-108m	-6.38E-05	6.32E-05	1.93E-04
AP	NBF	266305001	9/29/2010	Ag-110m	-1.22E-04	1.38E-04	4.14E-04
AP	NBF	266305001	9/29/2010	Ba-140	-5.12E-02	3.26E-02	8.68E-02
AP	NBF	266305001	9/29/2010	Be-7	1.16E-01	7.49E-03	6.64E-03 *
AP	NBF	266305001	9/29/2010	Ce-141	7.49E-04	5.29E-04	1.82E-03
AP	NBF	266305001	9/29/2010	Ce-144	1.06E-04	4.24E-04	1.39E-03
AP	NBF	266305001	9/29/2010	Co-57	1.36E-06	5.22E-05	1.71E-04
AP	NBF	266305001	9/29/2010	Co-58	1.72E-04	1.86E-04	6.60E-04
AP	NBF	266305001	9/29/2010	Co-60	6.45E-05	9.17E-05	3.29E-04
AP	NBF	266305001	9/29/2010	Cr-51	1.36E-03	4.97E-03	1.68E-02
AP	NBF	266305001	9/29/2010	Cs-134	1.78E-05	1.08E-04	3.62E-04
AP	NBF	266305001	9/29/2010	Cs-137	1.32E-04	1.21E-04	2.70E-04
AP	NBF	266305001	9/29/2010	Fe-59	-5.03E-04	6.27E-04	1.83E-03
AP	NBF	266305001	9/29/2010	I-131	5.10E-02	1.53E-01	0.00E+00
AP	NBF	266305001	9/29/2010	K-40	2.72E-03	1.06E-03	4.34E-03
AP	NBF	266305001	9/29/2010	La-140	-7.65E-03	1.35E-02	4.07E-02
AP	NBF	266305001	9/29/2010	Mn-54	8.22E-05	1.05E-04	3.66E-04
AP	NBF	266305001	9/29/2010	Nb-95	-1.16E-04	1.74E-04	5.42E-04
AP	NBF	266305001	9/29/2010	Ru-103	-5.19E-05	2.95E-04	9.43E-04
AP	NBF	266305001	9/29/2010	Ru-106	-4.01E-04	7.95E-04	2.58E-03
AP	NBF	266305001	9/29/2010	Sb-124	1.60E-03	6.86E-04	2.79E-03
AP	NBF	266305001	9/29/2010	Sb-125	4.21E-05	2.13E-04	7.03E-04
AP	NBF	266305001	9/29/2010	Se-75	4.84E-04	1.52E-04	5.71E-04 *
AP	NBF	266305001	9/29/2010	Th-228	-4.59E-05	1.36E-04	4.45E-04
AP	NBF	266305001	9/29/2010	Zn-65	-1.70E-04	2.40E-04	7.11E-04
AP	NBF	266305001	9/29/2010	Zr-95	-3.35E-04	3.24E-04	9.74E-04
AP	SBN	266305002	9/29/2010	Ac-228	5.13E-04	3.91E-04	1.40E-03
AP	SBN	266305002	9/29/2010	Ag-108m	-1.09E-04	7.51E-05	2.17E-04
AP	SBN	266305002	9/29/2010	Ag-110m	-9.44E-05	1.41E-04	4.21E-04
AP	SBN	266305002	9/29/2010	Ba-140	2.15E-03	3.50E-02	1.18E-01
AP	SBN	266305002	9/29/2010	Be-7	1.42E-01	8.67E-03	7.09E-03 *
AP	SBN	266305002	9/29/2010	Ce-141	-5.17E-04	7.06E-04	2.19E-03
AP	SBN	266305002	9/29/2010	Ce-144	-7.49E-04	4.96E-04	1.48E-03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

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## Summary of 2010 Data

SAMPLE TYPE	STATION	REFERENCE LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
AP	SBN	266305002	9/29/2010	Co-57	5.88E-05	6.37E-05	2.13E-04
AP	SBN	266305002	9/29/2010	Co-58	2.18E-04	1.67E-04	6.18E-04
AP	SBN	266305002	9/29/2010	Co-60	8.13E-05	1.03E-04	3.69E-04
AP	SBN	266305002	9/29/2010	Cr-51	-3.09E-03	6.34E-03	2.03E-02
AP	SBN	266305002	9/29/2010	Cs-134	2.95E-04	1.21E-04	4.71E-04
AP	SBN	266305002	9/29/2010	Cs-137	1.23E-05	9.64E-05	3.21E-04
AP	SBN	266305002	9/29/2010	Fe-59	-1.31E-03	6.86E-04	1.76E-03
AP	SBN	266305002	9/29/2010	I-131	-4.44E-02	1.84E-01	0.00E+00
AP	SBN	266305002	9/29/2010	K-40	-8.43E-04	1.48E-03	4.76E-03
AP	SBN	266305002	9/29/2010	La-140	-1.45E-02	1.23E-02	3.29E-02
AP	SBN	266305002	9/29/2010	Mn-54	3.32E-05	1.11E-04	3.70E-04
AP	SBN	266305002	9/29/2010	Nb-95	-3.54E-04	2.21E-04	6.12E-04
AP	SBN	266305002	9/29/2010	Ru-103	-4.77E-04	3.50E-04	1.06E-03
AP	SBN	266305002	9/29/2010	Ru-106	-6.44E-04	7.27E-04	2.21E-03
AP	SBN	266305002	9/29/2010	Sb-124	5.88E-04	7.42E-04	2.69E-03
AP	SBN	266305002	9/29/2010	Sb-125	-5.23E-04	2.44E-04	6.66E-04
AP	SBN	266305002	9/29/2010	Se-75	-5.56E-04	1.94E-04	5.67E-04
AP	SBN	266305002	9/29/2010	Th-228	6.53E-05	1.62E-04	5.36E-04
AP	SBN	266305002	9/29/2010	Zn-65	-3.34E-05	2.63E-04	8.61E-04
AP	SBN	266305002	9/29/2010	Zr-95	1.90E-04	4.32E-04	1.46E-03
AP	DOW	266305003	9/29/2010	Ac-228	-1.22E-04	4.24E-04	1.32E-03
AP	DOW	266305003	9/29/2010	Ag-108m	1.19E-04	8.22E-05	2.87E-04
AP	DOW	266305003	9/29/2010	Ag-110m	-2.18E-05	1.78E-04	5.81E-04
AP	DOW	266305003	9/29/2010	Ba-140	5.50E-02	4.21E-02	1.43E-01
AP	DOW	266305003	9/29/2010	Be-7	1.46E-01	8.64E-03	7.20E-03 *
AP	DOW	266305003	9/29/2010	Ce-141	6.01E-04	7.16E-04	2.38E-03
AP	DOW	266305003	9/29/2010	Ce-144	1.22E-03	5.80E-04	1.99E-03
AP	DOW	266305003	9/29/2010	Co-57	3.07E-05	7.10E-05	2.34E-04
AP	DOW	266305003	9/29/2010	Co-58	-1.96E-04	2.24E-04	6.98E-04
AP	DOW	266305003	9/29/2010	Co-60	1.34E-04	9.21E-05	3.52E-04
AP	DOW	266305003	9/29/2010	Cr-51	-3.83E-03	6.89E-03	2.24E-02
AP	DOW	266305003	9/29/2010	Cs-134	-1.74E-05	1.13E-04	3.72E-04
AP	DOW	266305003	9/29/2010	Cs-137	1.58E-04	1.06E-04	3.81E-04
AP	DOW	266305003	9/29/2010	Fe-59	-2.44E-04	6.40E-04	2.01E-03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

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## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
AP	DOW	266305003	9/29/2010	I-131	1.74E-01	1.94E-01	0.00E+00
AP	DOW	266305003	9/29/2010	K-40	-7.08E-04	1.61E-03	5.77E-03
AP	DOW	266305003	9/29/2010	La-140	-3.28E-03	1.52E-02	4.90E-02
AP	DOW	266305003	9/29/2010	Mn-54	4.91E-05	1.17E-04	3.98E-04
AP	DOW	266305003	9/29/2010	Nb-95	5.53E-04	2.66E-04	9.81E-04
AP	DOW	266305003	9/29/2010	Ru-103	4.59E-04	3.62E-04	1.26E-03
AP	DOW	266305003	9/29/2010	Ru-106	-6.94E-04	1.06E-03	3.46E-03
AP	DOW	266305003	9/29/2010	Sb-124	6.60E-04	5.48E-04	2.07E-03
AP	DOW	266305003	9/29/2010	Sb-125	3.91E-04	2.78E-04	9.67E-04
AP	DOW	266305003	9/29/2010	Se-75	2.86E-04	1.90E-04	6.65E-04
AP	DOW	266305003	9/29/2010	Th-228	4.45E-04	3.39E-04	5.92E-04
AP	DOW	266305003	9/29/2010	Zn-65	-4.93E-04	2.72E-04	7.33E-04
AP	DOW	266305003	9/29/2010	Zr-95	-1.25E-04	4.23E-04	1.38E-03
AP	COL	266305004	9/29/2010	Ac-228	5.55E-04	3.71E-04	1.34E-03
AP	COL	266305004	9/29/2010	Ag-108m	6.89E-05	7.77E-05	2.62E-04
AP	COL	266305004	9/29/2010	Ag-110m	-5.61E-05	1.78E-04	5.61E-04
AP	COL	266305004	9/29/2010	Ba-140	6.30E-02	3.95E-02	1.39E-01
AP	COL	266305004	9/29/2010	Be-7	1.35E-01	8.45E-03	6.58E-03 *
AP	COL	266305004	9/29/2010	Ce-141	2.31E-04	6.04E-04	2.08E-03
AP	COL	266305004	9/29/2010	Ce-144	4.05E-05	5.43E-04	1.73E-03
AP	COL	266305004	9/29/2010	Co-57	-2.79E-05	6.89E-05	2.16E-04
AP	COL	266305004	9/29/2010	Co-58	-1.59E-04	1.96E-04	5.92E-04
AP	COL	266305004	9/29/2010	Co-60	-9.65E-05	8.96E-05	2.51E-04
AP	COL	266305004	9/29/2010	Cr-51	2.66E-03	6.07E-03	2.02E-02
AP	COL	266305004	9/29/2010	Cs-134	-2.70E-05	1.14E-04	3.64E-04
AP	COL	266305004	9/29/2010	Cs-137	-1.31E-07	8.21E-05	2.71E-04
AP	COL	266305004	9/29/2010	Fe-59	7.20E-05	5.63E-04	1.90E-03
AP	COL	266305004	9/29/2010	I-131	-1.42E-01	1.82E-01	0.00E+00
AP	COL	266305004	9/29/2010	K-40	-1.56E-03	1.18E-03	4.10E-03
AP	COL	266305004	9/29/2010	La-140	4.92E-03	1.49E-02	5.02E-02
AP	COL	266305004	9/29/2010	Mn-54	-1.49E-06	1.06E-04	3.45E-04
AP	COL	266305004	9/29/2010	Nb-95	1.80E-04	2.36E-04	8.13E-04
AP	COL	266305004	9/29/2010	Ru-103	-6.40E-04	3.50E-04	1.04E-03
AP	COL	266305004	9/29/2010	Ru-106	-2.59E-04	8.87E-04	2.88E-03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
AP	COL	266305004	9/29/2010	Sb-124	-6.76E-04	5.25E-04	1.41E-03
AP	COL	266305004	9/29/2010	Sb-125	3.54E-05	2.47E-04	8.00E-04
AP	COL	266305004	9/29/2010	Se-75	6.45E-06	1.69E-04	5.60E-04
AP	COL	266305004	9/29/2010	Th-228	1.39E-04	1.85E-04	5.35E-04
AP	COL	266305004	9/29/2010	Zn-65	-1.02E-03	2.97E-04	6.75E-04
AP	COL	266305004	9/29/2010	Zr-95	-2.69E-04	3.64E-04	1.11E-03
AP	ONS-1	266305005	9/29/2010	Ac-228	8.95E-05	3.91E-04	1.28E-03
AP	ONS-1	266305005	9/29/2010	Ag-108m	9.01E-05	6.61E-05	2.31E-04
AP	ONS-1	266305005	9/29/2010	Ag-110m	-1.68E-04	1.51E-04	4.36E-04
AP	ONS-1	266305005	9/29/2010	Ba-140	1.73E-02	3.32E-02	1.15E-01
AP	ONS-1	266305005	9/29/2010	Be-7	1.37E-01	8.29E-03	6.20E-03 *
AP	ONS-1	266305005	9/29/2010	Ce-141	3.49E-04	6.03E-04	1.97E-03
AP	ONS-1	266305005	9/29/2010	Ce-144	1.56E-04	4.22E-04	1.38E-03
AP	ONS-1	266305005	9/29/2010	Co-57	8.34E-05	5.55E-05	1.90E-04
AP	ONS-1	266305005	9/29/2010	Co-58	8.64E-05	1.86E-04	6.28E-04
AP	ONS-1	266305005	9/29/2010	Co-60	-1.74E-04	9.47E-05	2.29E-04
AP	ONS-1	266305005	9/29/2010	Cr-51	-3.32E-03	5.57E-03	1.78E-02
AP	ONS-1	266305005	9/29/2010	Cs-134	-1.60E-04	1.08E-04	3.02E-04
AP	ONS-1	266305005	9/29/2010	Cs-137	-7.83E-06	9.16E-05	3.01E-04
AP	ONS-1	266305005	9/29/2010	Fe-59	-3.49E-04	5.19E-04	1.58E-03
AP	ONS-1	266305005	9/29/2010	I-131	-1.66E-01	1.69E-01	0.00E+00
AP	ONS-1	266305005	9/29/2010	K-40	7.00E-04	1.37E-03	5.20E-03
AP	ONS-1	266305005	9/29/2010	La-140	1.64E-02	1.60E-02	5.90E-02
AP	ONS-1	266305005	9/29/2010	Mn-54	-2.20E-04	1.16E-04	3.16E-04
AP	ONS-1	266305005	9/29/2010	Nb-95	1.09E-04	2.02E-04	6.87E-04
AP	ONS-1	266305005	9/29/2010	Ru-103	7.50E-04	3.23E-04	1.22E-03
AP	ONS-1	266305005	9/29/2010	Ru-106	6.54E-04	7.95E-04	2.79E-03
AP	ONS-1	266305005	9/29/2010	Sb-124	7.03E-04	5.44E-04	2.11E-03
AP	ONS-1	266305005	9/29/2010	Sb-125	-1.02E-04	2.07E-04	6.46E-04
AP	ONS-1	266305005	9/29/2010	Se-75	1.08E-04	1.47E-04	5.05E-04
AP	ONS-1	266305005	9/29/2010	Th-228	1.37E-04	1.52E-04	4.58E-04
AP	ONS-1	266305005	9/29/2010	Zn-65	-1.46E-04	2.76E-04	8.77E-04
AP	ONS-1	266305005	9/29/2010	Zr-95	-2.15E-04	3.30E-04	1.01E-03
AP	ONS-2	266305006	9/29/2010	Ac-228	-5.80E-04	3.51E-04	1.07E-03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
AP	ONS-2	266305006	9/29/2010	Ag-108m	-2.53E-05	6.03E-05	1.97E-04
AP	ONS-2	266305006	9/29/2010	Ag-110m	-4.46E-05	1.28E-04	4.15E-04
AP	ONS-2	266305006	9/29/2010	Ba-140	-3.24E-03	3.08E-02	1.01E-01
AP	ONS-2	266305006	9/29/2010	Be-7	1.33E-01	8.65E-03	4.74E-03 *
AP	ONS-2	266305006	9/29/2010	Ce-141	-7.35E-04	5.60E-04	1.58E-03
AP	ONS-2	266305006	9/29/2010	Ce-144	-3.36E-04	4.18E-04	1.35E-03
AP	ONS-2	266305006	9/29/2010	Co-57	7.62E-05	4.90E-05	1.74E-04
AP	ONS-2	266305006	9/29/2010	Co-58	-4.23E-05	1.38E-04	4.50E-04
AP	ONS-2	266305006	9/29/2010	Co-60	4.75E-05	8.76E-05	3.02E-04
AP	ONS-2	266305006	9/29/2010	Cr-51	6.90E-03	5.07E-03	1.72E-02
AP	ONS-2	266305006	9/29/2010	Cs-134	4.64E-05	9.60E-05	3.36E-04
AP	ONS-2	266305006	9/29/2010	Cs-137	1.83E-04	7.89E-05	2.96E-04
AP	ONS-2	266305006	9/29/2010	Fe-59	-1.19E-04	5.91E-04	1.91E-03
AP	ONS-2	266305006	9/29/2010	I-131	1.31E-01	1.33E-01	0.00E+00
AP	ONS-2	266305006	9/29/2010	K-40	5.19E-04	1.34E-03	4.97E-03
AP	ONS-2	266305006	9/29/2010	La-140	-2.21E-03	1.12E-02	3.62E-02
AP	ONS-2	266305006	9/29/2010	Mn-54	-2.51E-05	7.47E-05	2.43E-04
AP	ONS-2	266305006	9/29/2010	Nb-95	1.66E-05	2.05E-04	6.61E-04
AP	ONS-2	266305006	9/29/2010	Ru-103	-2.86E-04	3.02E-04	9.36E-04
AP	ONS-2	266305006	9/29/2010	Ru-106	-2.35E-04	6.15E-04	1.93E-03
AP	ONS-2	266305006	9/29/2010	Sb-124	1.34E-04	3.13E-04	1.13E-03
AP	ONS-2	266305006	9/29/2010	Sb-125	3.57E-05	1.78E-04	6.03E-04
AP	ONS-2	266305006	9/29/2010	Se-75	-2.44E-04	1.41E-04	4.11E-04
AP	ONS-2	266305006	9/29/2010	Th-228	4.18E-05	1.34E-04	4.30E-04
AP	ONS-2	266305006	9/29/2010	Zn-65	-8.81E-05	2.28E-04	7.20E-04
AP	ONS-2	266305006	9/29/2010	Zr-95	2.50E-04	3.50E-04	1.19E-03
AP	ONS-3	266305007	9/29/2010	Ac-228	5.98E-04	4.76E-04	1.67E-03
AP	ONS-3	266305007	9/29/2010	Ag-108m	-5.41E-05	8.21E-05	2.60E-04
AP	ONS-3	266305007	9/29/2010	Ag-110m	-4.89E-05	1.74E-04	5.62E-04
AP	ONS-3	266305007	9/29/2010	Ba-140	1.65E-02	4.08E-02	1.37E-01
AP	ONS-3	266305007	9/29/2010	Be-7	1.34E-01	9.04E-03	7.57E-03 *
AP	ONS-3	266305007	9/29/2010	Ce-141	-1.11E-04	5.80E-04	1.89E-03
AP	ONS-3	266305007	9/29/2010	Ce-144	-2.85E-04	4.25E-04	1.36E-03
AP	ONS-3	266305007	9/29/2010	Co-57	1.22E-05	5.31E-05	1.78E-04

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
AP	ONS-3	266305007	9/29/2010	Co-58	-8.21E-05	2.41E-04	7.83E-04
AP	ONS-3	266305007	9/29/2010	Co-60	7.12E-05	1.02E-04	3.73E-04
AP	ONS-3	266305007	9/29/2010	Cr-51	-4.04E-03	5.78E-03	1.88E-02
AP	ONS-3	266305007	9/29/2010	Cs-134	-8.72E-05	1.26E-04	3.93E-04
AP	ONS-3	266305007	9/29/2010	Cs-137	-1.10E-05	1.25E-04	3.99E-04
AP	ONS-3	266305007	9/29/2010	Fe-59	-7.03E-04	8.06E-04	2.36E-03
AP	ONS-3	266305007	9/29/2010	I-131	3.80E-03	1.78E-01	0.00E+00
AP	ONS-3	266305007	9/29/2010	K-40	-9.99E-04	1.28E-03	4.19E-03
AP	ONS-3	266305007	9/29/2010	La-140	9.82E-03	1.75E-02	6.19E-02
AP	ONS-3	266305007	9/29/2010	Mn-54	-7.39E-05	1.42E-04	4.54E-04
AP	ONS-3	266305007	9/29/2010	Nb-95	-1.93E-04	2.50E-04	7.84E-04
AP	ONS-3	266305007	9/29/2010	Ru-103	-1.26E-04	4.03E-04	1.29E-03
AP	ONS-3	266305007	9/29/2010	Ru-106	7.31E-04	1.09E-03	3.70E-03
AP	ONS-3	266305007	9/29/2010	Sb-124	-3.05E-04	5.53E-04	1.61E-03
AP	ONS-3	266305007	9/29/2010	Sb-125	-4.03E-04	2.74E-04	8.24E-04
AP	ONS-3	266305007	9/29/2010	Se-75	8.60E-05	1.72E-04	5.60E-04
AP	ONS-3	266305007	9/29/2010	Th-228	-2.71E-04	1.84E-04	5.85E-04
AP	ONS-3	266305007	9/29/2010	Zn-65	-3.90E-04	3.08E-04	8.55E-04
AP	ONS-3	266305007	9/29/2010	Zr-95	-4.12E-04	3.91E-04	1.17E-03
AP	ONS-4	266305008	9/29/2010	Ac-228	-1.63E-04	2.97E-04	9.88E-04
AP	ONS-4	266305008	9/29/2010	Ag-108m	6.74E-05	5.68E-05	2.03E-04
AP	ONS-4	266305008	9/29/2010	Ag-110m	1.49E-04	1.04E-04	3.95E-04
AP	ONS-4	266305008	9/29/2010	Ba-140	-6.47E-03	2.66E-02	8.63E-02
AP	ONS-4	266305008	9/29/2010	Be-7	1.34E-01	6.22E-03	4.96E-03 *
AP	ONS-4	266305008	9/29/2010	Ce-141	-6.65E-04	4.99E-04	1.50E-03
AP	ONS-4	266305008	9/29/2010	Ce-144	1.02E-04	3.47E-04	1.19E-03
AP	ONS-4	266305008	9/29/2010	Co-57	-1.33E-07	4.45E-05	1.51E-04
AP	ONS-4	266305008	9/29/2010	Co-58	4.16E-04	1.33E-04	5.62E-04 *
AP	ONS-4	266305008	9/29/2010	Co-60	-1.36E-04	8.92E-05	2.30E-04
AP	ONS-4	266305008	9/29/2010	Cr-51	-1.43E-03	4.57E-03	1.44E-02
AP	ONS-4	266305008	9/29/2010	Cs-134	-1.71E-04	9.86E-05	2.61E-04
AP	ONS-4	266305008	9/29/2010	Cs-137	-5.99E-05	7.51E-05	2.28E-04
AP	ONS-4	266305008	9/29/2010	Fe-59	-7.38E-04	5.33E-04	1.47E-03
AP	ONS-4	266305008	9/29/2010	I-131	-1.78E-02	1.29E-01	0.00E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
AP	ONS-4	266305008	9/29/2010	K-40	6.43E-04	1.12E-03	4.02E-03
AP	ONS-4	266305008	9/29/2010	La-140	-8.04E-03	9.85E-03	2.86E-02
AP	ONS-4	266305008	9/29/2010	Mn-54	1.64E-04	9.02E-05	3.43E-04
AP	ONS-4	266305008	9/29/2010	Nb-95	3.04E-04	1.86E-04	6.78E-04
AP	ONS-4	266305008	9/29/2010	Ru-103	-5.21E-05	2.66E-04	8.74E-04
AP	ONS-4	266305008	9/29/2010	Ru-106	-1.18E-03	7.37E-04	2.10E-03
AP	ONS-4	266305008	9/29/2010	Sb-124	2.47E-04	4.66E-04	1.66E-03
AP	ONS-4	266305008	9/29/2010	Sb-125	1.71E-04	1.75E-04	6.22E-04
AP	ONS-4	266305008	9/29/2010	Se-75	-2.46E-04	1.29E-04	3.75E-04
AP	ONS-4	266305008	9/29/2010	Th-228	5.17E-04	1.83E-04	4.38E-04
AP	ONS-4	266305008	9/29/2010	Zn-65	1.80E-04	2.38E-04	8.32E-04
AP	ONS-4	266305008	9/29/2010	Zr-95	2.86E-04	3.15E-04	1.10E-03
AP	ONS-5	266305009	9/29/2010	Ac-228	-1.04E-03	3.90E-04	1.05E-03
AP	ONS-5	266305009	9/29/2010	Ag-108m	4.79E-05	6.00E-05	2.07E-04
AP	ONS-5	266305009	9/29/2010	Ag-110m	7.10E-05	1.44E-04	4.94E-04
AP	ONS-5	266305009	9/29/2010	Ba-140	5.18E-02	3.12E-02	1.10E-01
AP	ONS-5	266305009	9/29/2010	Be-7	1.39E-01	8.54E-03	5.45E-03 *
AP	ONS-5	266305009	9/29/2010	Ce-141	4.20E-04	5.37E-04	1.80E-03
AP	ONS-5	266305009	9/29/2010	Ce-144	-4.40E-04	3.99E-04	1.22E-03
AP	ONS-5	266305009	9/29/2010	Co-57	7.42E-05	4.89E-05	1.71E-04
AP	ONS-5	266305009	9/29/2010	Co-58	8.20E-05	1.70E-04	5.87E-04
AP	ONS-5	266305009	9/29/2010	Co-60	6.89E-06	1.07E-04	3.59E-04
AP	ONS-5	266305009	9/29/2010	Cr-51	-4.59E-04	5.22E-03	1.73E-02
AP	ONS-5	266305009	9/29/2010	Cs-134	1.27E-04	8.36E-05	3.18E-04
AP	ONS-5	266305009	9/29/2010	Cs-137	2.54E-04	1.37E-04	2.86E-04
AP	ONS-5	266305009	9/29/2010	Fe-59	4.15E-04	5.04E-04	1.81E-03
AP	ONS-5	266305009	9/29/2010	I-131	1.82E-01	1.41E-01	0.00E+00
AP	ONS-5	266305009	9/29/2010	K-40	3.91E-03	1.25E-03	5.15E-03 *
AP	ONS-5	266305009	9/29/2010	La-140	-9.35E-03	1.13E-02	3.17E-02
AP	ONS-5	266305009	9/29/2010	Mn-54	2.30E-04	1.01E-04	3.88E-04
AP	ONS-5	266305009	9/29/2010	Nb-95	-1.64E-04	2.12E-04	6.60E-04
AP	ONS-5	266305009	9/29/2010	Ru-103	-2.61E-04	3.28E-04	9.97E-04
AP	ONS-5	266305009	9/29/2010	Ru-106	-3.89E-04	7.32E-04	2.36E-03
AP	ONS-5	266305009	9/29/2010	Sb-124	-1.99E-04	4.98E-04	1.51E-03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
AP	ONS-5	266305009	9/29/2010	Sb-125	-1.61E-04	2.08E-04	6.47E-04
AP	ONS-5	266305009	9/29/2010	Se-75	1.12E-04	1.37E-04	4.77E-04
AP	ONS-5	266305009	9/29/2010	Th-228	-1.28E-05	1.34E-04	4.40E-04
AP	ONS-5	266305009	9/29/2010	Zn-65	-7.43E-04	2.55E-04	5.13E-04
AP	ONS-5	266305009	9/29/2010	Zr-95	2.88E-04	3.36E-04	1.20E-03
AP	ONS-6	266305010	9/29/2010	Ac-228	4.08E-04	3.55E-04	1.27E-03
AP	ONS-6	266305010	9/29/2010	Ag-108m	1.18E-04	7.74E-05	2.73E-04
AP	ONS-6	266305010	9/29/2010	Ag-110m	1.91E-04	1.69E-04	5.98E-04
AP	ONS-6	266305010	9/29/2010	Ba-140	2.96E-02	3.59E-02	1.26E-01
AP	ONS-6	266305010	9/29/2010	Be-7	1.46E-01	8.90E-03	6.89E-03 *
AP	ONS-6	266305010	9/29/2010	Ce-141	4.73E-04	6.70E-04	2.20E-03
AP	ONS-6	266305010	9/29/2010	Ce-144	-1.62E-04	4.93E-04	1.56E-03
AP	ONS-6	266305010	9/29/2010	Co-57	-2.01E-05	5.93E-05	1.88E-04
AP	ONS-6	266305010	9/29/2010	Co-58	-8.26E-05	1.92E-04	5.98E-04
AP	ONS-6	266305010	9/29/2010	Co-60	-5.86E-05	1.12E-04	3.44E-04
AP	ONS-6	266305010	9/29/2010	Cr-51	7.36E-03	6.84E-03	2.35E-02
AP	ONS-6	266305010	9/29/2010	Cs-134	-5.04E-05	1.29E-04	4.06E-04
AP	ONS-6	266305010	9/29/2010	Cs-137	-7.29E-05	9.67E-05	3.01E-04
AP	ONS-6	266305010	9/29/2010	Fe-59	-9.66E-04	7.50E-04	2.16E-03
AP	ONS-6	266305010	9/29/2010	I-131	-2.60E-03	1.83E-01	0.00E+00
AP	ONS-6	266305010	9/29/2010	K-40	1.08E-03	1.30E-03	4.77E-03
AP	ONS-6	266305010	9/29/2010	La-140	5.32E-03	1.31E-02	4.64E-02
AP	ONS-6	266305010	9/29/2010	Mn-54	9.11E-05	1.09E-04	3.81E-04
AP	ONS-6	266305010	9/29/2010	Nb-95	-1.47E-04	2.50E-04	7.80E-04
AP	ONS-6	266305010	9/29/2010	Ru-103	-2.84E-04	4.09E-04	1.32E-03
AP	ONS-6	266305010	9/29/2010	Ru-106	8.22E-05	7.71E-04	2.58E-03
AP	ONS-6	266305010	9/29/2010	Sb-124	1.32E-03	7.05E-04	2.84E-03
AP	ONS-6	266305010	9/29/2010	Sb-125	-1.84E-04	2.57E-04	7.89E-04
AP	ONS-6	266305010	9/29/2010	Se-75	-1.13E-04	1.81E-04	5.84E-04
AP	ONS-6	266305010	9/29/2010	Th-228	-2.44E-05	1.63E-04	5.29E-04
AP	ONS-6	266305010	9/29/2010	Zn-65	3.66E-05	2.70E-04	9.09E-04
AP	ONS-6	266305010	9/29/2010	Zr-95	-3.64E-04	4.35E-04	1.32E-03
AP	NBF	259725001	8/25/2010	Gross Beta	5.19E-02	2.19E-03	1.40E-03 *
AP	SBN	259725002	8/25/2010	Gross Beta	5.45E-02	2.16E-03	7.96E-04 *

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	
AP	DOW	259725003	8/25/2010	Gross Beta	5.15E-02	2.19E-03	1.50E-03	*
AP	COL	259725004	8/25/2010	Gross Beta	6.94E-04	3.52E-04	8.53E-04	
AP	ONS-1	259725005	8/25/2010	Gross Beta	5.15E-02	2.14E-03	9.64E-04	*
AP	ONS-2	259725006	8/25/2010	Gross Beta	4.22E-02	1.95E-03	1.36E-03	*
AP	ONS-3	259725007	8/25/2010	Gross Beta	5.30E-02	2.10E-03	7.72E-04	*
AP	ONS-4	259725008	8/25/2010	Gross Beta	4.24E-02	1.91E-03	9.32E-04	*
AP	ONS-5	259725009	8/25/2010	Gross Beta	5.05E-02	2.19E-03	1.52E-03	*
AP	ONS-6	259725010	8/25/2010	Gross Beta	4.76E-02	2.06E-03	8.96E-04	*
AP	NBF	260207001	9/1/2010	Gross Beta	3.99E-02	1.91E-03	9.83E-04	*
AP	SBN	260207002	9/1/2010	Gross Beta	4.51E-02	1.95E-03	9.88E-04	*
AP	DOW	260207003	9/1/2010	Gross Beta	4.98E-02	2.08E-03	7.75E-04	*
AP	COL	260207004	9/1/2010	Gross Beta	4.14E-02	1.87E-03	8.14E-04	*
AP	ONS-1	260207005	9/1/2010	Gross Beta	4.61E-02	2.01E-03	8.60E-04	*
AP	ONS-2	260207006	9/1/2010	Gross Beta	4.28E-02	1.92E-03	7.45E-04	*
AP	ONS-3	260207007	9/1/2010	Gross Beta	4.66E-02	2.01E-03	8.18E-04	*
AP	ONS-4	260207008	9/1/2010	Gross Beta	3.81E-02	1.86E-03	9.15E-04	*
AP	ONS-5	260207009	9/1/2010	Gross Beta	4.76E-02	2.09E-03	9.81E-04	*
AP	ONS-6	260207010	9/1/2010	Gross Beta	4.18E-02	1.93E-03	7.75E-04	*
AP	NBF	260507001	9/8/2010	Gross Beta	3.44E-02	1.78E-03	9.90E-04	*
AP	SBN	260507002	9/8/2010	Gross Beta	3.22E-02	1.70E-03	1.05E-03	*
AP	DOW	260507003	9/8/2010	Gross Beta	3.03E-02	1.63E-03	7.92E-04	*
AP	COL	260507004	9/8/2010	Gross Beta	2.73E-02	1.53E-03	8.27E-04	*
AP	ONS-1	260507005	9/8/2010	Gross Beta	3.08E-02	1.67E-03	8.88E-04	*
AP	ONS-2	260507006	9/8/2010	Gross Beta	3.43E-02	1.72E-03	7.51E-04	*
AP	ONS-3	260507007	9/8/2010	Gross Beta	3.50E-02	1.76E-03	8.44E-04	*
AP	ONS-4	260507008	9/8/2010	Gross Beta	2.87E-02	1.63E-03	9.40E-04	*
AP	ONS-5	260507009	9/8/2010	Gross Beta	2.82E-02	1.61E-03	9.91E-04	*
AP	ONS-6	260507010	9/8/2010	Gross Beta	3.16E-02	1.67E-03	1.04E-03	*
AP	NBF	261007001	9/15/2010	Gross Beta	3.04E-02	1.66E-03	9.40E-04	*
AP	SBN	261007002	9/15/2010	Gross Beta	2.99E-02	1.65E-03	9.54E-04	*
AP	DOW	261007003	9/15/2010	Gross Beta	2.78E-02	1.59E-03	9.06E-04	*
AP	COL	261007004	9/15/2010	Gross Beta	3.20E-02	1.67E-03	1.02E-03	*
AP	ONS-1	261007005	9/15/2010	Gross Beta	3.25E-02	1.73E-03	9.49E-04	*

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	
AP	ONS-2	261007006	9/15/2010	Gross Beta	2.96E-02	1.59E-03	7.93E-04	*
AP	ONS-3	261007007	9/15/2010	Gross Beta	3.11E-02	1.64E-03	7.80E-04	*
AP	ONS-4	261007008	9/15/2010	Gross Beta	2.63E-02	1.55E-03	9.62E-04	*
AP	ONS-5	261007009	9/15/2010	Gross Beta	3.08E-02	1.68E-03	9.19E-04	*
AP	ONS-6	261007010	9/15/2010	Gross Beta	3.34E-02	1.76E-03	1.08E-03	*
AP	NBF	261434001	9/22/2010	Gross Beta	4.45E-02	2.00E-03	8.38E-04	*
AP	SBN	261434002	9/22/2010	Gross Beta	4.63E-02	2.06E-03	8.24E-04	*
AP	DOW	261434003	9/22/2010	Gross Beta	4.23E-02	1.97E-03	9.64E-04	*
AP	COL	261434004	9/22/2010	Gross Beta	4.03E-02	1.85E-03	8.50E-04	*
AP	ONS-1	261434005	9/22/2010	Gross Beta	4.30E-02	1.47E-03	6.58E-04	*
AP	ONS-2	261434006	9/22/2010	Gross Beta	4.13E-02	1.90E-03	7.92E-04	*
AP	ONS-3	261434007	9/22/2010	Gross Beta	4.76E-02	2.08E-03	9.52E-04	*
AP	ONS-4	261434008	9/22/2010	Gross Beta	4.39E-02	1.99E-03	9.06E-04	*
AP	ONS-5	261434009	9/22/2010	Gross Beta	4.72E-02	2.10E-03	1.10E-03	*
AP	ONS-6	261434010	9/22/2010	Gross Beta	4.02E-02	1.88E-03	1.05E-03	*
AP	NBF	261898001	9/29/2010	Gross Beta	3.57E-02	1.81E-03	1.01E-03	*
AP	SBN	261898002	9/29/2010	Gross Beta	3.61E-02	1.77E-03	7.62E-04	*
AP	DOW	261898003	9/29/2010	Gross Beta	3.60E-02	1.82E-03	9.81E-04	*
AP	COL	261898004	9/29/2010	Gross Beta	3.34E-02	1.68E-03	8.59E-04	*
AP	ONS-1	261898005	9/29/2010	Gross Beta	2.88E-02	1.89E-03	1.17E-03	*
AP	ONS-2	261898006	9/29/2010	Gross Beta	3.72E-02	1.85E-03	8.78E-04	*
AP	ONS-3	261898007	9/29/2010	Gross Beta	3.96E-02	1.88E-03	1.08E-03	*
AP	ONS-4	261898008	9/29/2010	Gross Beta	2.98E-02	1.66E-03	9.85E-04	*
AP	ONS-5	261898009	9/29/2010	Gross Beta	3.60E-02	1.86E-03	9.81E-04	*
AP	ONS-6	261898010	9/29/2010	Gross Beta	3.60E-02	1.76E-03	8.20E-04	*
AP	NBF	264064001	10/6/2010	Gross Beta	2.70E-02	1.58E-03	8.90E-04	*
AP	SBN	264064002	10/6/2010	Gross Beta	2.64E-02	1.56E-03	9.73E-04	*
AP	DOW	264064003	10/6/2010	Gross Beta	3.06E-02	1.65E-03	8.03E-04	*
AP	COL	264064004	10/6/2010	Gross Beta	2.89E-02	1.52E-03	7.70E-04	*
AP	ONS-1	264064005	10/6/2010	Gross Beta	2.95E-02	1.61E-03	1.04E-03	*
AP	ONS-2	264064006	10/6/2010	Gross Beta	3.08E-02	1.70E-03	1.20E-03	*
AP	ONS-3	264064007	10/6/2010	Gross Beta	3.11E-02	1.63E-03	8.33E-04	*
AP	ONS-4	264064008	10/6/2010	Gross Beta	2.45E-02	1.46E-03	8.46E-04	*

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	
AP	ONS-5	264064009	10/6/2010	Gross Beta	3.27E-02	1.74E-03	9.82E-04	*
AP	ONS-6	264064010	10/6/2010	Gross Beta	2.93E-02	1.56E-03	7.48E-04	*
AP	NBF	264797001	10/13/2010	Gross Beta	7.12E-02	2.47E-03	9.01E-04	*
AP	SBN	264797002	10/13/2010	Gross Beta	7.40E-02	2.56E-03	7.79E-04	*
AP	DOW	264797003	10/13/2010	Gross Beta	7.08E-02	2.50E-03	8.29E-04	*
AP	COL	264797004	10/13/2010	Gross Beta	6.74E-02	2.49E-03	1.07E-03	*
AP	ONS-1	264797005	10/13/2010	Gross Beta	7.37E-02	2.59E-03	1.16E-03	*
AP	ONS-2	264797006	10/13/2010	Gross Beta	7.36E-02	2.59E-03	8.84E-04	*
AP	ONS-3	264797007	10/13/2010	Gross Beta	7.52E-02	2.57E-03	8.36E-04	*
AP	ONS-4	264797008	10/13/2010	Gross Beta	5.82E-02	2.25E-03	8.42E-04	*
AP	ONS-5	264797009	10/13/2010	Gross Beta	8.23E-02	2.77E-03	9.77E-04	*
AP	ONS-6	264797010	10/13/2010	Gross Beta	7.54E-02	2.51E-03	7.36E-04	*
AP	NBF	265243001	10/20/2010	Gross Beta	3.06E-02	1.62E-03	8.96E-04	*
AP	SBN	265243002	10/20/2010	Gross Beta	3.91E-02	1.88E-03	9.43E-04	*
AP	DOW	265243003	10/20/2010	Gross Beta	3.34E-02	1.73E-03	7.76E-04	*
AP	COL	265243004	10/20/2010	Gross Beta	3.48E-02	1.82E-03	1.15E-03	*
AP	ONS-1	265243005	10/20/2010	Gross Beta	3.57E-02	1.81E-03	9.23E-04	*
AP	ONS-2	265243006	10/20/2010	Gross Beta	3.46E-02	1.80E-03	9.99E-04	*
AP	ONS-3	265243007	10/20/2010	Gross Beta	3.47E-02	1.75E-03	9.17E-04	*
AP	ONS-4	265243008	10/20/2010	Gross Beta	3.04E-02	1.67E-03	9.36E-04	*
AP	ONS-5	265243009	10/20/2010	Gross Beta	3.53E-02	1.82E-03	1.25E-03	*
AP	ONS-6	265243010	10/20/2010	Gross Beta	3.18E-02	1.65E-03	8.98E-04	*
AP	NBF	265751001	10/27/2010	Gross Beta	4.59E-02	2.03E-03	9.03E-04	*
AP	SBN	265751002	10/27/2010	Gross Beta	5.00E-02	2.15E-03	9.84E-04	*
AP	DOW	265751003	10/27/2010	Gross Beta	4.56E-02	2.04E-03	9.56E-04	*
AP	COL	265751004	10/27/2010	Gross Beta	4.05E-02	1.95E-03	9.59E-04	*
AP	ONS-1	265751005	10/27/2010	Gross Beta	4.58E-02	2.04E-03	1.22E-03	*
AP	ONS-2	265751006	10/27/2010	Gross Beta	4.90E-02	2.09E-03	9.29E-04	*
AP	ONS-3	265751007	10/27/2010	Gross Beta	4.27E-02	1.90E-03	7.28E-04	*
AP	ONS-4	265751008	10/27/2010	Gross Beta	4.46E-02	2.03E-03	1.13E-03	*
AP	ONS-5	265751009	10/27/2010	Gross Beta	4.69E-02	2.12E-03	9.62E-04	*
AP	ONS-6	265751010	10/27/2010	Gross Beta	4.44E-02	2.03E-03	9.84E-04	*
AP	NBF	266464001	11/3/2010	Gross Beta	2.61E-02	1.55E-03	9.31E-04	*

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	
AP	SBN	266464002	11/3/2010	Gross Beta	3.13E-02	1.69E-03	9.75E-04	*
AP	DOW	266464003	11/3/2010	Gross Beta	2.56E-02	1.56E-03	9.85E-04	*
AP	COL	266464004	11/3/2010	Gross Beta	2.41E-02	1.48E-03	9.31E-04	*
AP	ONS-1	266464005	11/3/2010	Gross Beta	2.81E-02	1.58E-03	1.18E-03	*
AP	ONS-2	266464006	11/3/2010	Gross Beta	2.48E-02	1.50E-03	9.46E-04	*
AP	ONS-3	266464007	11/3/2010	Gross Beta	2.95E-02	1.58E-03	7.36E-04	*
AP	ONS-4	266464008	11/3/2010	Gross Beta	2.16E-02	1.40E-03	1.10E-03	*
AP	ONS-5	266464009	11/3/2010	Gross Beta	3.21E-02	1.76E-03	9.72E-04	*
AP	ONS-6	266464010	11/3/2010	Gross Beta	2.59E-02	1.53E-03	9.56E-04	*
AP	NBF	266965001	11/10/2010	Gross Beta	4.07E-02	1.88E-03	9.24E-04	*
AP	SBN	266965002	11/10/2010	Gross Beta	4.75E-02	2.05E-03	9.28E-04	*
AP	DOW	266965003	11/10/2010	Gross Beta	4.57E-02	2.01E-03	9.11E-04	*
AP	COL	266965004	11/10/2010	Gross Beta	4.40E-02	1.99E-03	1.21E-03	*
AP	ONS-1	266965005	11/10/2010	Gross Beta	5.22E-02	2.26E-03	1.02E-03	*
AP	ONS-2	266965006	11/10/2010	Gross Beta	4.96E-02	2.08E-03	7.49E-04	*
AP	ONS-3	266965007	11/10/2010	Gross Beta	4.53E-02	1.99E-03	1.07E-03	*
AP	ONS-4	266965008	11/10/2010	Gross Beta	4.54E-02	2.02E-03	9.11E-04	*
AP	ONS-5	266965009	11/10/2010	Gross Beta	4.91E-02	2.14E-03	9.93E-04	*
AP	ONS-6	266965010	11/10/2010	Gross Beta	4.81E-02	2.11E-03	9.65E-04	*
AP	NBF	267376001	11/17/2010	Gross Beta	7.48E-02	2.56E-03	1.22E-03	*
AP	SBN	267376002	11/17/2010	Gross Beta	7.60E-02	2.59E-03	9.32E-04	*
AP	DOW	267376003	11/17/2010	Gross Beta	7.23E-02	2.53E-03	8.33E-04	*
AP	COL	267376004	11/17/2010	Gross Beta	7.03E-02	2.58E-03	1.36E-03	*
AP	ONS-1	267376005	11/17/2010	Gross Beta	7.40E-02	2.54E-03	9.97E-04	*
AP	ONS-2	267376006	11/17/2010	Gross Beta	7.96E-02	2.70E-03	1.01E-03	*
AP	ONS-3	267376007	11/17/2010	Gross Beta	7.99E-02	2.70E-03	9.15E-04	*
AP	ONS-4	267376008	11/17/2010	Gross Beta	6.98E-02	2.58E-03	1.01E-03	*
AP	ONS-5	267376009	11/17/2010	Gross Beta	7.70E-02	2.67E-03	1.30E-03	*
AP	ONS-6	267376010	11/17/2010	Gross Beta	7.89E-02	2.63E-03	9.23E-04	*
AP	NBF	271456001	12/29/2010	Ac-228	-7.86E-05	4.42E-04	1.58E-03	
AP	NBF	271456001	12/29/2010	Ag-108m	-1.22E-06	8.79E-05	2.91E-04	
AP	NBF	271456001	12/29/2010	Ag-110m	-5.16E-04	1.99E-04	3.28E-04	
AP	NBF	271456001	12/29/2010	Ba-140	1.34E-02	1.16E-02	4.47E-02	
AP	NBF	271456001	12/29/2010	Be-7	1.21E-01	8.76E-03	8.99E-03	*

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
AP	NBF	271456001	12/29/2010	Ce-141	1.43E-03	8.01E-04	2.61E-03
AP	NBF	271456001	12/29/2010	Ce-144	-8.93E-04	6.84E-04	1.98E-03
AP	NBF	271456001	12/29/2010	Co-57	-1.85E-04	9.44E-05	2.43E-04
AP	NBF	271456001	12/29/2010	Co-58	-6.37E-04	2.90E-04	5.64E-04
AP	NBF	271456001	12/29/2010	Co-60	3.02E-04	1.51E-04	5.83E-04
AP	NBF	271456001	12/29/2010	Cr-51	-8.95E-03	6.36E-03	1.82E-02
AP	NBF	271456001	12/29/2010	Cs-134	-8.11E-06	1.40E-04	4.66E-04
AP	NBF	271456001	12/29/2010	Cs-137	1.30E-04	1.51E-04	5.65E-04
AP	NBF	271456001	12/29/2010	Fe-59	-1.20E-03	8.35E-04	1.96E-03
AP	NBF	271456001	12/29/2010	I-131	-1.36E-01	1.08E-01	0.00E+00
AP	NBF	271456001	12/29/2010	K-40	1.97E-03	1.40E-03	5.32E-03
AP	NBF	271456001	12/29/2010	La-140	1.34E-02	1.16E-02	4.47E-02
AP	NBF	271456001	12/29/2010	Mn-54	-2.11E-05	9.16E-05	2.95E-04
AP	NBF	271456001	12/29/2010	Nb-95	-5.54E-05	2.99E-04	9.43E-04
AP	NBF	271456001	12/29/2010	Ru-103	4.07E-04	4.04E-04	1.41E-03
AP	NBF	271456001	12/29/2010	Ru-106	-8.62E-05	1.15E-03	3.72E-03
AP	NBF	271456001	12/29/2010	Sb-124	-4.54E-04	5.74E-04	1.47E-03
AP	NBF	271456001	12/29/2010	Sb-125	2.55E-04	2.98E-04	1.04E-03
AP	NBF	271456001	12/29/2010	Se-75	-7.87E-05	2.40E-04	7.51E-04
AP	NBF	271456001	12/29/2010	Th-228	2.68E-05	1.89E-04	6.22E-04
AP	NBF	271456001	12/29/2010	Zn-65	-9.04E-05	2.03E-04	5.94E-04
AP	NBF	271456001	12/29/2010	Zr-95	7.46E-04	5.58E-04	1.95E-03
AP	SBN	271456002	12/29/2010	Ac-228	-8.01E-04	5.11E-04	1.44E-03
AP	SBN	271456002	12/29/2010	Ag-108m	-6.31E-05	1.05E-04	3.29E-04
AP	SBN	271456002	12/29/2010	Ag-110m	2.23E-04	1.28E-04	4.55E-04
AP	SBN	271456002	12/29/2010	Ba-140	3.20E-03	1.17E-02	3.98E-02
AP	SBN	271456002	12/29/2010	Be-7	1.09E-01	8.46E-03	8.76E-03 *
AP	SBN	271456002	12/29/2010	Ce-141	3.04E-04	6.12E-04	2.03E-03
AP	SBN	271456002	12/29/2010	Ce-144	8.55E-04	6.55E-04	2.16E-03
AP	SBN	271456002	12/29/2010	Co-57	-7.41E-05	7.15E-05	2.12E-04
AP	SBN	271456002	12/29/2010	Co-58	-3.02E-05	2.17E-04	6.86E-04
AP	SBN	271456002	12/29/2010	Co-60	5.91E-05	1.23E-04	4.34E-04
AP	SBN	271456002	12/29/2010	Cr-51	-3.32E-03	6.17E-03	1.99E-02
AP	SBN	271456002	12/29/2010	Cs-134	1.90E-04	1.83E-04	6.31E-04

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m <sup>3</sup> )	STD.DEV. (pCi/m <sup>3</sup> )	MDC (pCi/m <sup>3</sup> )
AP	SBN	271456002	12/29/2010	Cs-137	3.08E-05	1.26E-04	4.18E-04
AP	SBN	271456002	12/29/2010	Fe-59	-3.95E-04	8.20E-04	2.55E-03
AP	SBN	271456002	12/29/2010	I-131	3.28E-02	1.03E-01	0.00E+00
AP	SBN	271456002	12/29/2010	K-40	1.70E-03	2.01E-03	7.01E-03
AP	SBN	271456002	12/29/2010	La-140	3.20E-03	1.17E-02	3.98E-02
AP	SBN	271456002	12/29/2010	Mn-54	1.19E-04	1.32E-04	4.61E-04
AP	SBN	271456002	12/29/2010	Nb-95	2.76E-04	2.50E-04	8.79E-04
AP	SBN	271456002	12/29/2010	Ru-103	5.92E-04	3.80E-04	1.33E-03
AP	SBN	271456002	12/29/2010	Ru-106	2.61E-04	1.27E-03	4.23E-03
AP	SBN	271456002	12/29/2010	Sb-124	-8.06E-04	7.24E-04	1.70E-03
AP	SBN	271456002	12/29/2010	Sb-125	2.67E-04	3.13E-04	1.08E-03
AP	SBN	271456002	12/29/2010	Se-75	1.44E-04	1.90E-04	6.57E-04
AP	SBN	271456002	12/29/2010	Th-228	-2.42E-04	2.05E-04	6.14E-04
AP	SBN	271456002	12/29/2010	Zn-65	-2.98E-04	2.81E-04	7.51E-04
AP	SBN	271456002	12/29/2010	Zr-95	-2.65E-05	4.25E-04	1.37E-03
AP	DOW	271456003	12/29/2010	Ac-228	1.61E-03	7.22E-04	2.43E-03
AP	DOW	271456003	12/29/2010	Ag-108m	6.82E-06	1.15E-04	3.79E-04
AP	DOW	271456003	12/29/2010	Ag-110m	3.56E-04	1.73E-04	5.98E-04
AP	DOW	271456003	12/29/2010	Ba-140	-7.42E-03	1.09E-02	3.09E-02
AP	DOW	271456003	12/29/2010	Be-7	1.23E-01	8.65E-03	8.19E-03 *
AP	DOW	271456003	12/29/2010	Ce-141	-1.22E-03	8.85E-04	2.52E-03
AP	DOW	271456003	12/29/2010	Ce-144	-6.17E-04	7.74E-04	2.36E-03
AP	DOW	271456003	12/29/2010	Co-57	-1.74E-04	1.01E-04	2.72E-04
AP	DOW	271456003	12/29/2010	Co-58	-1.99E-04	2.64E-04	7.92E-04
AP	DOW	271456003	12/29/2010	Co-60	5.27E-05	1.32E-04	4.66E-04
AP	DOW	271456003	12/29/2010	Cr-51	2.93E-03	7.23E-03	2.44E-02
AP	DOW	271456003	12/29/2010	Cs-134	-6.10E-05	1.92E-04	6.17E-04
AP	DOW	271456003	12/29/2010	Cs-137	-2.64E-04	1.47E-04	3.67E-04
AP	DOW	271456003	12/29/2010	Fe-59	9.89E-04	7.86E-04	2.87E-03
AP	DOW	271456003	12/29/2010	I-131	-6.03E-02	1.10E-01	0.00E+00
AP	DOW	271456003	12/29/2010	K-40	6.28E-04	1.99E-03	7.61E-03
AP	DOW	271456003	12/29/2010	La-140	-7.42E-03	1.09E-02	3.09E-02
AP	DOW	271456003	12/29/2010	Mn-54	-5.30E-06	1.38E-04	4.56E-04
AP	DOW	271456003	12/29/2010	Nb-95	1.84E-04	2.53E-04	8.91E-04

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m <sup>3</sup> )	STD.DEV. (pCi/m <sup>3</sup> )	MDC (pCi/m <sup>3</sup> )
AP	DOW	271456003	12/29/2010	Ru-103	6.43E-05	4.65E-04	1.53E-03
AP	DOW	271456003	12/29/2010	Ru-106	1.78E-03	1.33E-03	4.70E-03
AP	DOW	271456003	12/29/2010	Sb-124	-3.02E-04	7.52E-04	2.29E-03
AP	DOW	271456003	12/29/2010	Sb-125	3.01E-04	3.44E-04	1.17E-03
AP	DOW	271456003	12/29/2010	Se-75	2.17E-04	2.37E-04	8.08E-04
AP	DOW	271456003	12/29/2010	Th-228	8.52E-04	3.45E-04	8.90E-04
AP	DOW	271456003	12/29/2010	Zn-65	-3.80E-04	3.75E-04	1.03E-03
AP	DOW	271456003	12/29/2010	Zr-95	2.31E-04	3.98E-04	1.40E-03
AP	COL	271456004	12/29/2010	Ac-228	-6.14E-05	5.83E-04	1.98E-03
AP	COL	271456004	12/29/2010	Ag-108m	-1.25E-04	1.35E-04	3.93E-04
AP	COL	271456004	12/29/2010	Ag-110m	-9.17E-05	1.32E-04	3.93E-04
AP	COL	271456004	12/29/2010	Ba-140	-2.74E-02	1.47E-02	2.29E-02
AP	COL	271456004	12/29/2010	Be-7	1.12E-01	1.01E-02	8.65E-03 *
AP	COL	271456004	12/29/2010	Ce-141	-1.19E-03	7.76E-04	2.07E-03
AP	COL	271456004	12/29/2010	Ce-144	1.17E-03	7.58E-04	2.47E-03
AP	COL	271456004	12/29/2010	Co-57	-1.98E-05	9.31E-05	2.96E-04
AP	COL	271456004	12/29/2010	Co-58	2.09E-04	2.50E-04	8.87E-04
AP	COL	271456004	12/29/2010	Co-60	4.64E-05	1.37E-04	4.75E-04
AP	COL	271456004	12/29/2010	Cr-51	-3.84E-03	7.65E-03	2.41E-02
AP	COL	271456004	12/29/2010	Cs-134	1.85E-04	1.75E-04	6.24E-04
AP	COL	271456004	12/29/2010	Cs-137	-8.57E-05	1.18E-04	3.49E-04
AP	COL	271456004	12/29/2010	Fe-59	-4.28E-04	9.96E-04	3.11E-03
AP	COL	271456004	12/29/2010	I-131	-1.72E-01	1.27E-01	0.00E+00
AP	COL	271456004	12/29/2010	K-40	1.58E-03	2.09E-03	8.19E-03
AP	COL	271456004	12/29/2010	La-140	-2.74E-02	1.46E-02	2.29E-02
AP	COL	271456004	12/29/2010	Mn-54	-2.53E-05	1.59E-04	5.06E-04
AP	COL	271456004	12/29/2010	Nb-95	2.50E-04	2.77E-04	9.84E-04
AP	COL	271456004	12/29/2010	Ru-103	-8.51E-05	4.79E-04	1.59E-03
AP	COL	271456004	12/29/2010	Ru-106	-5.34E-04	1.33E-03	4.23E-03
AP	COL	271456004	12/29/2010	Sb-124	6.77E-05	1.01E-03	3.39E-03
AP	COL	271456004	12/29/2010	Sb-125	-5.83E-04	3.89E-04	9.99E-04
AP	COL	271456004	12/29/2010	Se-75	2.36E-04	2.62E-04	8.94E-04
AP	COL	271456004	12/29/2010	Th-228	-1.89E-05	2.27E-04	7.48E-04
AP	COL	271456004	12/29/2010	Zn-65	-2.81E-04	3.95E-04	1.17E-03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
AP	COL	271456004	12/29/2010	Zr-95	6.22E-04	5.31E-04	1.90E-03
AP	ONS-1	271456005	12/29/2010	Ac-228	-1.49E-04	4.55E-04	1.54E-03
AP	ONS-1	271456005	12/29/2010	Ag-108m	5.43E-05	1.01E-04	3.39E-04
AP	ONS-1	271456005	12/29/2010	Ag-110m	5.44E-05	1.25E-04	4.32E-04
AP	ONS-1	271456005	12/29/2010	Ba-140	-1.12E-03	1.20E-02	3.81E-02
AP	ONS-1	271456005	12/29/2010	Be-7	1.14E-01	1.02E-02	9.00E-03 *
AP	ONS-1	271456005	12/29/2010	Ce-141	1.34E-04	6.83E-04	2.21E-03
AP	ONS-1	271456005	12/29/2010	Ce-144	6.33E-04	5.72E-04	1.90E-03
AP	ONS-1	271456005	12/29/2010	Co-57	7.59E-05	7.21E-05	2.41E-04
AP	ONS-1	271456005	12/29/2010	Co-58	-2.85E-05	1.57E-04	4.95E-04
AP	ONS-1	271456005	12/29/2010	Co-60	-1.35E-06	1.50E-04	4.93E-04
AP	ONS-1	271456005	12/29/2010	Cr-51	3.18E-03	5.33E-03	1.82E-02
AP	ONS-1	271456005	12/29/2010	Cs-134	-2.03E-04	1.42E-04	3.39E-04
AP	ONS-1	271456005	12/29/2010	Cs-137	1.20E-04	1.13E-04	4.03E-04
AP	ONS-1	271456005	12/29/2010	Fe-59	-3.22E-04	8.39E-04	2.66E-03
AP	ONS-1	271456005	12/29/2010	I-131	-2.52E-01	1.19E-01	0.00E+00
AP	ONS-1	271456005	12/29/2010	K-40	6.20E-04	1.53E-03	5.97E-03
AP	ONS-1	271456005	12/29/2010	La-140	-1.12E-03	1.20E-02	3.81E-02
AP	ONS-1	271456005	12/29/2010	Mn-54	-1.21E-04	1.25E-04	3.40E-04
AP	ONS-1	271456005	12/29/2010	Nb-95	2.69E-04	2.70E-04	9.54E-04
AP	ONS-1	271456005	12/29/2010	Ru-103	2.84E-05	3.81E-04	1.23E-03
AP	ONS-1	271456005	12/29/2010	Ru-106	2.76E-04	1.26E-03	4.28E-03
AP	ONS-1	271456005	12/29/2010	Sb-124	6.38E-05	9.01E-04	3.05E-03
AP	ONS-1	271456005	12/29/2010	Sb-125	2.44E-04	3.28E-04	1.11E-03
AP	ONS-1	271456005	12/29/2010	Se-75	2.92E-05	2.01E-04	6.75E-04
AP	ONS-1	271456005	12/29/2010	Th-228	3.56E-05	2.02E-04	7.26E-04
AP	ONS-1	271456005	12/29/2010	Zn-65	2.90E-04	3.39E-04	1.22E-03
AP	ONS-1	271456005	12/29/2010	Zr-95	-1.10E-05	5.51E-04	1.81E-03
AP	ONS-2	271456006	12/29/2010	Ac-228	-5.52E-04	5.32E-04	1.65E-03
AP	ONS-2	271456006	12/29/2010	Ag-108m	-1.34E-05	8.53E-05	2.79E-04
AP	ONS-2	271456006	12/29/2010	Ag-110m	-4.16E-04	1.86E-04	3.72E-04
AP	ONS-2	271456006	12/29/2010	Ba-140	-2.30E-03	7.64E-03	2.34E-02
AP	ONS-2	271456006	12/29/2010	Be-7	1.09E-01	8.22E-03	7.80E-03 *
AP	ONS-2	271456006	12/29/2010	Ce-141	-4.25E-04	6.45E-04	2.01E-03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
AP	ONS-2	271456006	12/29/2010	Ce-144	-8.29E-04	6.90E-04	2.03E-03
AP	ONS-2	271456006	12/29/2010	Co-57	5.57E-05	7.74E-05	2.62E-04
AP	ONS-2	271456006	12/29/2010	Co-58	-3.23E-05	2.39E-04	7.88E-04
AP	ONS-2	271456006	12/29/2010	Co-60	-1.62E-04	1.58E-04	4.11E-04
AP	ONS-2	271456006	12/29/2010	Cr-51	1.14E-02	6.43E-03	2.20E-02
AP	ONS-2	271456006	12/29/2010	Cs-134	-3.56E-05	1.61E-04	5.26E-04
AP	ONS-2	271456006	12/29/2010	Cs-137	-1.52E-05	1.42E-04	5.12E-04
AP	ONS-2	271456006	12/29/2010	Fe-59	3.58E-04	7.67E-04	2.68E-03
AP	ONS-2	271456006	12/29/2010	I-131	1.23E-01	1.23E-01	0.00E+00
AP	ONS-2	271456006	12/29/2010	K-40	3.18E-04	1.40E-03	4.69E-03
AP	ONS-2	271456006	12/29/2010	La-140	-2.30E-03	7.64E-03	2.34E-02
AP	ONS-2	271456006	12/29/2010	Mn-54	-2.52E-04	1.64E-04	4.22E-04
AP	ONS-2	271456006	12/29/2010	Nb-95	-1.47E-04	2.52E-04	7.40E-04
AP	ONS-2	271456006	12/29/2010	Ru-103	-9.65E-05	4.16E-04	1.34E-03
AP	ONS-2	271456006	12/29/2010	Ru-106	-1.14E-03	1.24E-03	3.54E-03
AP	ONS-2	271456006	12/29/2010	Sb-124	-1.04E-03	7.22E-04	1.42E-03
AP	ONS-2	271456006	12/29/2010	Sb-125	3.38E-05	2.76E-04	9.27E-04
AP	ONS-2	271456006	12/29/2010	Se-75	1.09E-04	2.18E-04	7.16E-04
AP	ONS-2	271456006	12/29/2010	Th-228	3.26E-04	2.15E-04	7.10E-04
AP	ONS-2	271456006	12/29/2010	Zn-65	-7.30E-04	3.81E-04	7.36E-04
AP	ONS-2	271456006	12/29/2010	Zr-95	-6.41E-04	4.88E-04	1.21E-03
AP	ONS-3	271456007	12/29/2010	Ac-228	-5.98E-05	5.12E-04	1.80E-03
AP	ONS-3	271456007	12/29/2010	Ag-108m	1.38E-04	9.57E-05	3.30E-04
AP	ONS-3	271456007	12/29/2010	Ag-110m	4.72E-05	1.22E-04	4.13E-04
AP	ONS-3	271456007	12/29/2010	Ba-140	2.20E-03	9.64E-03	3.28E-02
AP	ONS-3	271456007	12/29/2010	Be-7	1.18E-01	8.65E-03	6.53E-03 *
AP	ONS-3	271456007	12/29/2010	Ce-141	-8.18E-04	6.11E-04	1.73E-03
AP	ONS-3	271456007	12/29/2010	Ce-144	-5.44E-04	5.66E-04	1.69E-03
AP	ONS-3	271456007	12/29/2010	Co-57	-2.62E-05	6.87E-05	2.18E-04
AP	ONS-3	271456007	12/29/2010	Co-58	1.07E-04	1.99E-04	6.83E-04
AP	ONS-3	271456007	12/29/2010	Co-60	-7.67E-05	1.64E-04	5.05E-04
AP	ONS-3	271456007	12/29/2010	Cr-51	-9.15E-03	6.05E-03	1.72E-02
AP	ONS-3	271456007	12/29/2010	Cs-134	5.08E-06	1.47E-04	4.78E-04
AP	ONS-3	271456007	12/29/2010	Cs-137	-6.08E-06	1.18E-04	3.82E-04

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
AP	ONS-3	271456007	12/29/2010	Fe-59	2.08E-04	7.23E-04	2.49E-03
AP	ONS-3	271456007	12/29/2010	I-131	-5.48E-02	8.85E-02	0.00E+00
AP	ONS-3	271456007	12/29/2010	K-40	1.06E-03	1.93E-03	6.63E-03
AP	ONS-3	271456007	12/29/2010	La-140	2.20E-03	9.64E-03	3.28E-02
AP	ONS-3	271456007	12/29/2010	Mn-54	3.94E-06	1.19E-04	3.85E-04
AP	ONS-3	271456007	12/29/2010	Nb-95	2.93E-04	2.98E-04	1.02E-03
AP	ONS-3	271456007	12/29/2010	Ru-103	2.55E-04	3.26E-04	1.14E-03
AP	ONS-3	271456007	12/29/2010	Ru-106	6.10E-04	1.12E-03	3.81E-03
AP	ONS-3	271456007	12/29/2010	Sb-124	8.55E-04	6.13E-04	2.42E-03
AP	ONS-3	271456007	12/29/2010	Sb-125	-1.77E-04	2.91E-04	9.11E-04
AP	ONS-3	271456007	12/29/2010	Se-75	-1.35E-05	1.71E-04	5.75E-04
AP	ONS-3	271456007	12/29/2010	Th-228	-6.20E-05	1.80E-04	5.88E-04
AP	ONS-3	271456007	12/29/2010	Zn-65	1.82E-04	3.44E-04	1.20E-03
AP	ONS-3	271456007	12/29/2010	Zr-95	1.05E-04	4.02E-04	1.34E-03
AP	ONS-4	271456008	12/29/2010	Ac-228	9.66E-04	6.46E-04	2.37E-03
AP	ONS-4	271456008	12/29/2010	Ag-108m	-1.20E-04	1.17E-04	3.37E-04
AP	ONS-4	271456008	12/29/2010	Ag-110m	-1.87E-04	1.78E-04	5.20E-04
AP	ONS-4	271456008	12/29/2010	Ba-140	1.87E-02	1.19E-02	4.72E-02
AP	ONS-4	271456008	12/29/2010	Be-7	1.15E-01	9.94E-03	8.58E-03 *
AP	ONS-4	271456008	12/29/2010	Ce-141	5.86E-05	6.99E-04	2.30E-03
AP	ONS-4	271456008	12/29/2010	Ce-144	6.10E-04	6.13E-04	2.08E-03
AP	ONS-4	271456008	12/29/2010	Co-57	1.70E-04	9.37E-05	3.10E-04
AP	ONS-4	271456008	12/29/2010	Co-58	1.10E-04	3.44E-04	1.15E-03
AP	ONS-4	271456008	12/29/2010	Co-60	3.48E-05	1.87E-04	6.25E-04
AP	ONS-4	271456008	12/29/2010	Cr-51	9.18E-03	7.77E-03	2.66E-02
AP	ONS-4	271456008	12/29/2010	Cs-134	2.38E-04	1.35E-04	5.11E-04
AP	ONS-4	271456008	12/29/2010	Cs-137	1.45E-04	1.59E-04	5.55E-04
AP	ONS-4	271456008	12/29/2010	Fe-59	-4.45E-04	7.33E-04	2.17E-03
AP	ONS-4	271456008	12/29/2010	I-131	-1.33E-01	1.23E-01	0.00E+00
AP	ONS-4	271456008	12/29/2010	K-40	5.49E-03	2.49E-03	8.75E-03
AP	ONS-4	271456008	12/29/2010	La-140	1.87E-02	1.18E-02	4.72E-02
AP	ONS-4	271456008	12/29/2010	Mn-54	-1.66E-04	1.89E-04	5.49E-04
AP	ONS-4	271456008	12/29/2010	Nb-95	5.79E-04	3.78E-04	1.32E-03
AP	ONS-4	271456008	12/29/2010	Ru-103	-2.84E-04	5.18E-04	1.57E-03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
AP	ONS-4	271456008	12/29/2010	Ru-106	2.82E-03	1.39E-03	4.92E-03
AP	ONS-4	271456008	12/29/2010	Sb-124	-1.64E-03	9.21E-04	1.58E-03
AP	ONS-4	271456008	12/29/2010	Sb-125	2.51E-05	3.71E-04	1.21E-03
AP	ONS-4	271456008	12/29/2010	Se-75	2.37E-04	2.06E-04	7.19E-04
AP	ONS-4	271456008	12/29/2010	Th-228	1.07E-04	2.10E-04	7.38E-04
AP	ONS-4	271456008	12/29/2010	Zn-65	-1.08E-03	5.57E-04	1.27E-03
AP	ONS-4	271456008	12/29/2010	Zr-95	-5.39E-05	4.52E-04	1.46E-03
AP	ONS-5	271456009	12/29/2010	Ac-228	1.64E-03	7.90E-04	2.79E-03
AP	ONS-5	271456009	12/29/2010	Ag-108m	6.95E-05	1.26E-04	4.20E-04
AP	ONS-5	271456009	12/29/2010	Ag-110m	-7.67E-07	1.97E-04	6.50E-04
AP	ONS-5	271456009	12/29/2010	Ba-140	8.19E-03	1.59E-02	5.51E-02
AP	ONS-5	271456009	12/29/2010	Be-7	1.56E-01	1.14E-02	9.34E-03 *
AP	ONS-5	271456009	12/29/2010	Ce-141	-2.75E-04	8.94E-04	2.99E-03
AP	ONS-5	271456009	12/29/2010	Ce-144	4.31E-04	8.29E-04	2.69E-03
AP	ONS-5	271456009	12/29/2010	Co-57	8.63E-05	1.06E-04	3.48E-04
AP	ONS-5	271456009	12/29/2010	Co-58	1.99E-04	2.91E-04	1.01E-03
AP	ONS-5	271456009	12/29/2010	Co-60	-3.95E-06	1.65E-04	5.38E-04
AP	ONS-5	271456009	12/29/2010	Cr-51	-1.75E-03	8.17E-03	2.63E-02
AP	ONS-5	271456009	12/29/2010	Cs-134	-2.46E-04	2.39E-04	6.76E-04
AP	ONS-5	271456009	12/29/2010	Cs-137	-5.74E-05	1.67E-04	5.33E-04
AP	ONS-5	271456009	12/29/2010	Fe-59	-4.06E-04	8.84E-04	2.73E-03
AP	ONS-5	271456009	12/29/2010	I-131	8.88E-02	1.37E-01	0.00E+00
AP	ONS-5	271456009	12/29/2010	K-40	9.83E-04	2.29E-03	8.92E-03
AP	ONS-5	271456009	12/29/2010	La-140	8.19E-03	1.59E-02	5.51E-02
AP	ONS-5	271456009	12/29/2010	Mn-54	-1.10E-04	2.15E-04	6.57E-04
AP	ONS-5	271456009	12/29/2010	Nb-95	-2.99E-04	3.24E-04	9.16E-04
AP	ONS-5	271456009	12/29/2010	Ru-103	4.29E-04	5.29E-04	1.86E-03
AP	ONS-5	271456009	12/29/2010	Ru-106	-1.17E-04	1.83E-03	6.05E-03
AP	ONS-5	271456009	12/29/2010	Sb-124	-8.65E-04	8.28E-04	2.08E-03
AP	ONS-5	271456009	12/29/2010	Sb-125	6.51E-04	4.24E-04	1.44E-03
AP	ONS-5	271456009	12/29/2010	Se-75	2.68E-04	2.76E-04	9.37E-04
AP	ONS-5	271456009	12/29/2010	Th-228	-1.59E-04	2.34E-04	7.49E-04
AP	ONS-5	271456009	12/29/2010	Zn-65	-5.55E-05	3.74E-04	1.22E-03
AP	ONS-5	271456009	12/29/2010	Zr-95	5.11E-04	6.12E-04	2.14E-03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
AP	ONS-6	271456010	12/29/2010	Ac-228	-5.60E-04	4.77E-04	1.42E-03
AP	ONS-6	271456010	12/29/2010	Ag-108m	-8.17E-05	9.40E-05	2.71E-04
AP	ONS-6	271456010	12/29/2010	Ag-110m	-1.02E-04	1.31E-04	3.90E-04
AP	ONS-6	271456010	12/29/2010	Ba-140	1.16E-02	1.31E-02	4.75E-02
AP	ONS-6	271456010	12/29/2010	Be-7	1.16E-01	8.60E-03	5.96E-03 *
AP	ONS-6	271456010	12/29/2010	Ce-141	-2.13E-04	6.84E-04	2.14E-03
AP	ONS-6	271456010	12/29/2010	Ce-144	-1.53E-04	6.23E-04	1.97E-03
AP	ONS-6	271456010	12/29/2010	Co-57	6.20E-05	7.79E-05	2.59E-04
AP	ONS-6	271456010	12/29/2010	Co-58	7.85E-06	2.50E-04	8.21E-04
AP	ONS-6	271456010	12/29/2010	Co-60	-1.35E-04	1.22E-04	2.91E-04
AP	ONS-6	271456010	12/29/2010	Cr-51	5.86E-03	6.97E-03	2.37E-02
AP	ONS-6	271456010	12/29/2010	Cs-134	1.94E-04	1.49E-04	5.40E-04
AP	ONS-6	271456010	12/29/2010	Cs-137	7.81E-06	1.26E-04	4.20E-04
AP	ONS-6	271456010	12/29/2010	Fe-59	-2.42E-04	9.21E-04	2.97E-03
AP	ONS-6	271456010	12/29/2010	I-131	6.67E-03	1.12E-01	0.00E+00
AP	ONS-6	271456010	12/29/2010	K-40	9.74E-04	1.94E-03	7.28E-03
AP	ONS-6	271456010	12/29/2010	La-140	1.16E-02	1.31E-02	4.75E-02
AP	ONS-6	271456010	12/29/2010	Mn-54	-1.29E-04	1.44E-04	4.06E-04
AP	ONS-6	271456010	12/29/2010	Nb-95	-1.58E-04	2.50E-04	7.47E-04
AP	ONS-6	271456010	12/29/2010	Ru-103	8.50E-04	4.94E-04	1.72E-03
AP	ONS-6	271456010	12/29/2010	Ru-106	2.30E-03	1.40E-03	4.91E-03
AP	ONS-6	271456010	12/29/2010	Sb-124	-1.91E-04	7.98E-04	2.56E-03
AP	ONS-6	271456010	12/29/2010	Sb-125	-3.58E-04	2.94E-04	7.92E-04
AP	ONS-6	271456010	12/29/2010	Se-75	-6.74E-05	2.22E-04	7.23E-04
AP	ONS-6	271456010	12/29/2010	Th-228	6.80E-06	1.88E-04	6.37E-04
AP	ONS-6	271456010	12/29/2010	Zn-65	2.83E-05	3.04E-04	1.03E-03
AP	ONS-6	271456010	12/29/2010	Zr-95	-5.68E-04	4.84E-04	1.29E-03
AP	NBF	267644001	11/24/2010	Gross Beta	5.49E-02	2.19E-03	1.02E-03 *
AP	SBN	267644002	11/24/2010	Gross Beta	5.68E-02	2.23E-03	9.82E-04 *
AP	DOW	267644003	11/24/2010	Gross Beta	5.29E-02	2.21E-03	1.08E-03 *
AP	COL	267644004	11/24/2010	Gross Beta	5.04E-02	2.14E-03	9.21E-04 *
AP	ONS-1	267644005	11/24/2010	Gross Beta	4.95E-02	2.09E-03	1.02E-03 *
AP	ONS-2	267644006	11/24/2010	Gross Beta	4.96E-02	2.09E-03	1.18E-03 *
AP	ONS-3	267644007	11/24/2010	Gross Beta	5.17E-02	2.12E-03	1.02E-03 *

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	
AP	ONS-4	267644008	11/24/2010	Gross Beta	4.89E-02	2.11E-03	1.03E-03	*
AP	ONS-5	267644009	11/24/2010	Gross Beta	5.45E-02	2.22E-03	1.05E-03	*
AP	ONS-6	267644010	11/24/2010	Gross Beta	5.09E-02	2.12E-03	8.99E-04	*
AP	NBF	268058001	12/1/2010	Gross Beta	5.05E-02	2.11E-03	1.16E-03	*
AP	SBN	268058002	12/1/2010	Gross Beta	5.92E-02	2.30E-03	9.86E-04	*
AP	DOW	268058003	12/1/2010	Gross Beta	5.98E-02	2.34E-03	9.52E-04	*
AP	COL	268058004	12/1/2010	Gross Beta	5.71E-02	2.29E-03	1.07E-03	*
AP	ONS-1	268058005	12/1/2010	Gross Beta	5.55E-02	2.25E-03	1.02E-03	*
AP	ONS-2	268058006	12/1/2010	Gross Beta	5.08E-02	2.13E-03	1.21E-03	*
AP	ONS-3	268058007	12/1/2010	Gross Beta	5.88E-02	2.29E-03	1.18E-03	*
AP	ONS-4	268058008	12/1/2010	Gross Beta	5.73E-02	2.34E-03	1.17E-03	*
AP	ONS-5	268058009	12/1/2010	Gross Beta	6.08E-02	2.34E-03	1.18E-03	*
AP	ONS-6	268058010	12/1/2010	Gross Beta	5.85E-02	2.28E-03	9.81E-04	*
AP	NBF	268443001	12/8/2010	Gross Beta	3.36E-02	1.75E-03	1.20E-03	*
AP	SBN	268443002	12/8/2010	Gross Beta	4.02E-02	1.87E-03	8.65E-04	*
AP	DOW	268443003	12/8/2010	Gross Beta	3.85E-02	1.79E-03	8.02E-04	*
AP	COL	268443004	12/8/2010	Gross Beta	3.51E-02	1.78E-03	1.32E-03	*
AP	ONS-1	268443005	12/8/2010	Gross Beta	3.53E-02	1.76E-03	1.02E-03	*
AP	ONS-2	268443006	12/8/2010	Gross Beta	3.50E-02	1.77E-03	9.26E-04	*
AP	ONS-3	268443007	12/8/2010	Gross Beta	3.32E-02	1.70E-03	9.71E-04	*
AP	ONS-4	268443008	12/8/2010	Gross Beta	3.72E-02	1.87E-03	1.08E-03	*
AP	ONS-5	268443009	12/8/2010	Gross Beta	4.00E-02	1.92E-03	1.21E-03	*
AP	ONS-6	268443010	12/8/2010	Gross Beta	4.08E-02	1.91E-03	8.90E-04	*
AP	NBF	268877001	12/15/2010	Gross Beta	5.97E-02	2.38E-03	1.25E-03	*
AP	SBN	268877002	12/15/2010	Gross Beta	6.34E-02	2.38E-03	9.87E-04	*
AP	DOW	268877003	12/15/2010	Gross Beta	5.52E-02	2.18E-03	9.00E-04	*
AP	COL	268877004	12/15/2010	Gross Beta	5.66E-02	2.25E-03	1.04E-03	*
AP	ONS-1	268877005	12/15/2010	Gross Beta	5.81E-02	2.29E-03	1.02E-03	*
AP	ONS-2	268877006	12/15/2010	Gross Beta	5.78E-02	2.32E-03	1.27E-03	*
AP	ONS-3	268877007	12/15/2010	Gross Beta	5.33E-02	2.17E-03	1.18E-03	*
AP	ONS-4	268877008	12/15/2010	Gross Beta	5.85E-02	2.36E-03	1.18E-03	*
AP	ONS-6	268877010	12/15/2010	Gross Beta	5.24E-02	2.19E-03	1.21E-03	*
AP	NBF	269221001	12/22/2010	Gross Beta	5.17E-02	2.21E-03	1.01E-03	*

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	
AP	SBN	269221002	12/22/2010	Gross Beta	6.61E-02	2.46E-03	1.02E-03	*
AP	DOW	269221003	12/22/2010	Gross Beta	6.18E-02	2.33E-03	9.40E-04	*
AP	COL	269221004	12/22/2010	Gross Beta	4.33E-02	1.97E-03	9.76E-04	*
AP	ONS-1	269221005	12/22/2010	Gross Beta	5.08E-02	2.20E-03	1.09E-03	*
AP	ONS-2	269221006	12/22/2010	Gross Beta	5.37E-02	2.20E-03	1.20E-03	*
AP	ONS-3	269221007	12/22/2010	Gross Beta	5.79E-02	2.26E-03	9.12E-04	*
AP	ONS-4	269221008	12/22/2010	Gross Beta	5.09E-02	2.16E-03	9.85E-04	*
AP	ONS-5	269221009	12/22/2010	Gross Beta	6.52E-02	2.89E-03	1.36E-03	*
AP	ONS-6	269221010	12/22/2010	Gross Beta	5.35E-02	2.24E-03	1.06E-03	*
AP	NBF	269410001	12/29/2010	Gross Beta	2.30E-02	1.45E-03	1.11E-03	*
AP	SBN	269410002	12/29/2010	Gross Beta	1.74E-02	1.29E-03	1.04E-03	*
AP	DOW	269410003	12/29/2010	Gross Beta	1.84E-02	1.31E-03	1.06E-03	*
AP	COL	269410004	12/29/2010	Gross Beta	1.99E-02	1.34E-03	1.28E-03	*
AP	ONS-1	269410005	12/29/2010	Gross Beta	1.93E-02	1.34E-03	1.12E-03	*
AP	ONS-2	269410006	12/29/2010	Gross Beta	2.03E-02	1.36E-03	1.02E-03	*
AP	ONS-3	269410007	12/29/2010	Gross Beta	2.01E-02	1.32E-03	9.65E-04	*
AP	ONS-4	269410008	12/29/2010	Gross Beta	1.79E-02	1.27E-03	9.10E-04	*
AP	ONS-5	269410009	12/29/2010	Gross Beta	1.89E-02	1.33E-03	1.12E-03	*
AP	ONS-6	269410010	12/29/2010	Gross Beta	2.10E-02	1.38E-03	1.01E-03	*
AP	ONS-1	L16416-01	3/31/2010	AcTh-228	-1.10E-03	1.10E-03	6.00E-03	
AP	ONS-1	L16416-01	3/31/2010	Ag-108m	9.00E-05	2.30E-04	9.40E-04	
AP	ONS-1	L16416-01	3/31/2010	Ag-110m	5.60E-04	3.90E-04	7.50E-04	
AP	ONS-1	L16416-01	3/31/2010	Ba-140	9.30E-03	9.30E-03	2.50E-02	
AP	ONS-1	L16416-01	3/31/2010	Be-7	1.58E-01	1.90E-02	1.70E-02	*
AP	ONS-1	L16416-01	3/31/2010	Ce-141	1.70E-03	1.20E-03	3.80E-03	
AP	ONS-1	L16416-01	3/31/2010	Ce-144	-1.80E-03	1.50E-03	6.30E-03	
AP	ONS-1	L16416-01	3/31/2010	Co-57	8.00E-05	1.10E-04	4.20E-04	
AP	ONS-1	L16416-01	3/31/2010	Co-58	-2.70E-04	2.70E-04	2.20E-03	
AP	ONS-1	L16416-01	3/31/2010	Co-60	-2.60E-04	2.60E-04	1.90E-03	
AP	ONS-1	L16416-01	3/31/2010	Cr-51	2.00E-03	1.40E-02	5.30E-02	
AP	ONS-1	L16416-01	3/31/2010	Cs-134	-9.00E-05	2.30E-04	1.30E-03	
AP	ONS-1	L16416-01	3/31/2010	Cs-137	1.20E-04	2.60E-04	1.10E-03	
AP	ONS-1	L16416-01	3/31/2010	Fe-59	-1.00E-04	1.70E-03	8.80E-03	
AP	ONS-1	L16416-01	3/31/2010	I-131	9.00E-03	3.20E-02	1.30E-01	

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

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## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
AP	ONS-1	L16416-01	3/31/2010	K-40	-2.00E-04	4.50E-03	2.20E-02
AP	ONS-1	L16416-01	3/31/2010	La-140	9.30E-03	9.30E-03	2.50E-02
AP	ONS-1	L16416-01	3/31/2010	Mn-54	3.70E-04	2.60E-04	4.90E-04
AP	ONS-1	L16416-01	3/31/2010	Nb-95	6.60E-04	9.70E-04	4.00E-03
AP	ONS-1	L16416-01	3/31/2010	Ru-103	-1.09E-03	8.10E-04	4.40E-03
AP	ONS-1	L16416-01	3/31/2010	Ru-106	-7.00E-04	3.60E-03	1.60E-02
AP	ONS-1	L16416-01	3/31/2010	Sb-124	0.00E+00	0.00E+00	4.20E-03
AP	ONS-1	L16416-01	3/31/2010	Sb-125	2.80E-04	6.20E-04	2.60E-03
AP	ONS-1	L16416-01	3/31/2010	Se-75	-1.70E-04	2.70E-04	1.30E-03
AP	ONS-1	L16416-01	3/31/2010	Zn-65	-6.00E-05	7.70E-04	4.00E-03
AP	ONS-1	L16416-01	3/31/2010	Zr-95	7.00E-05	7.50E-04	3.90E-03
AP	ONS-2	L16416-02	3/31/2010	AcTh-228	1.00E-04	1.00E-03	4.90E-03
AP	ONS-2	L16416-02	3/31/2010	Ag-108m	0.00E+00	2.70E-04	1.10E-03
AP	ONS-2	L16416-02	3/31/2010	Ag-110m	0.00E+00	6.70E-04	2.90E-03
AP	ONS-2	L16416-02	3/31/2010	Ba-140	0.00E+00	1.30E-02	6.60E-02
AP	ONS-2	L16416-02	3/31/2010	Be-7	1.52E-01	2.00E-02	3.30E-02 *
AP	ONS-2	L16416-02	3/31/2010	Ce-141	6.00E-04	1.10E-03	4.20E-03
AP	ONS-2	L16416-02	3/31/2010	Ce-144	-4.10E-04	8.40E-04	3.80E-03
AP	ONS-2	L16416-02	3/31/2010	Co-57	-2.90E-04	1.20E-04	6.20E-04
AP	ONS-2	L16416-02	3/31/2010	Co-58	3.40E-04	5.10E-04	2.10E-03
AP	ONS-2	L16416-02	3/31/2010	Co-60	2.50E-04	2.50E-04	6.70E-04
AP	ONS-2	L16416-02	3/31/2010	Cr-51	2.80E-03	9.80E-03	4.00E-02
AP	ONS-2	L16416-02	3/31/2010	Cs-134	8.00E-05	2.20E-04	1.20E-03
AP	ONS-2	L16416-02	3/31/2010	Cs-137	2.60E-04	2.90E-04	1.10E-03
AP	ONS-2	L16416-02	3/31/2010	Fe-59	1.10E-03	1.10E-03	3.00E-03
AP	ONS-2	L16416-02	3/31/2010	I-131	1.10E-02	2.80E-02	1.20E-01
AP	ONS-2	L16416-02	3/31/2010	K-40	9.10E-03	6.60E-03	2.20E-02
AP	ONS-2	L16416-02	3/31/2010	La-140	0.00E+00	1.30E-02	6.60E-02
AP	ONS-2	L16416-02	3/31/2010	Mn-54	3.60E-04	2.50E-04	4.80E-04
AP	ONS-2	L16416-02	3/31/2010	Nb-95	1.71E-03	9.90E-04	1.50E-03
AP	ONS-2	L16416-02	3/31/2010	Ru-103	0.00E+00	5.00E-04	2.60E-03
AP	ONS-2	L16416-02	3/31/2010	Ru-106	9.00E-04	3.10E-03	1.30E-02
AP	ONS-2	L16416-02	3/31/2010	Sb-124	4.40E-03	2.60E-03	4.00E-03
AP	ONS-2	L16416-02	3/31/2010	Sb-125	2.70E-04	7.30E-04	3.00E-03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
AP	ONS-2	L16416-02	3/31/2010	Se-75	-1.70E-04	3.50E-04	1.60E-03
AP	ONS-2	L16416-02	3/31/2010	Zn-65	5.00E-04	8.60E-04	3.60E-03
AP	ONS-2	L16416-02	3/31/2010	Zr-95	5.50E-04	5.50E-04	1.50E-03
AP	ONS-3	L16416-03	3/31/2010	AcTh-228	2.50E-03	1.60E-03	5.00E-03
AP	ONS-3	L16416-03	3/31/2010	Ag-108m	-3.50E-04	2.50E-04	1.20E-03
AP	ONS-3	L16416-03	3/31/2010	Ag-110m	0.00E+00	6.80E-04	3.00E-03
AP	ONS-3	L16416-03	3/31/2010	Ba-140	0.00E+00	0.00E+00	2.50E-02
AP	ONS-3	L16416-03	3/31/2010	Be-7	1.43E-01	1.90E-02	2.50E-02 *
AP	ONS-3	L16416-03	3/31/2010	Ce-141	1.00E-03	8.90E-04	3.10E-03
AP	ONS-3	L16416-03	3/31/2010	Ce-144	-2.90E-03	1.10E-03	5.70E-03
AP	ONS-3	L16416-03	3/31/2010	Co-57	-2.10E-04	1.50E-04	6.70E-04
AP	ONS-3	L16416-03	3/31/2010	Co-58	0.00E+00	0.00E+00	8.40E-04
AP	ONS-3	L16416-03	3/31/2010	Co-60	-2.50E-04	2.50E-04	1.90E-03
AP	ONS-3	L16416-03	3/31/2010	Cr-51	-2.20E-03	5.20E-03	2.80E-02
AP	ONS-3	L16416-03	3/31/2010	Cs-134	-1.00E-05	1.80E-04	1.20E-03
AP	ONS-3	L16416-03	3/31/2010	Cs-137	-3.50E-04	3.20E-04	1.70E-03
AP	ONS-3	L16416-03	3/31/2010	Fe-59	1.10E-03	1.10E-03	3.00E-03
AP	ONS-3	L16416-03	3/31/2010	I-131	-1.40E-02	2.40E-02	1.20E-01
AP	ONS-3	L16416-03	3/31/2010	K-40	2.30E-03	3.60E-03	1.60E-02
AP	ONS-3	L16416-03	3/31/2010	La-140	0.00E+00	0.00E+00	2.50E-02
AP	ONS-3	L16416-03	3/31/2010	Mn-54	1.80E-04	1.80E-04	4.90E-04
AP	ONS-3	L16416-03	3/31/2010	Nb-95	1.80E-03	1.30E-03	4.00E-03
AP	ONS-3	L16416-03	3/31/2010	Ru-103	-3.60E-04	9.50E-04	4.30E-03
AP	ONS-3	L16416-03	3/31/2010	Ru-106	7.00E-04	3.80E-03	1.60E-02
AP	ONS-3	L16416-03	3/31/2010	Sb-124	1.60E-03	2.60E-03	1.10E-02
AP	ONS-3	L16416-03	3/31/2010	Sb-125	-8.30E-04	7.30E-04	3.60E-03
AP	ONS-3	L16416-03	3/31/2010	Se-75	2.70E-04	4.40E-04	1.70E-03
AP	ONS-3	L16416-03	3/31/2010	Zn-65	5.10E-04	5.10E-04	1.40E-03
AP	ONS-3	L16416-03	3/31/2010	Zr-95	7.00E-05	7.40E-04	3.90E-03
AP	ONS-4	L16416-04	3/31/2010	AcTh-228	1.00E-04	1.10E-03	5.30E-03
AP	ONS-4	L16416-04	3/31/2010	Ag-108m	-1.80E-04	3.50E-04	1.50E-03
AP	ONS-4	L16416-04	3/31/2010	Ag-110m	-2.90E-04	2.90E-04	2.10E-03
AP	ONS-4	L16416-04	3/31/2010	Ba-140	-9.60E-03	9.60E-03	7.10E-02
AP	ONS-4	L16416-04	3/31/2010	Be-7	1.59E-01	2.00E-02	2.10E-02 *

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
AP	ONS-4	L16416-04	3/31/2010	Ce-141	-2.00E-04	1.10E-03	4.50E-03
AP	ONS-4	L16416-04	3/31/2010	Ce-144	5.00E-04	1.20E-03	4.60E-03
AP	ONS-4	L16416-04	3/31/2010	Co-57	-1.34E-04	9.40E-05	5.00E-04
AP	ONS-4	L16416-04	3/31/2010	Co-58	3.30E-04	3.30E-04	8.90E-04
AP	ONS-4	L16416-04	3/31/2010	Co-60	2.70E-04	2.70E-04	7.20E-04
AP	ONS-4	L16416-04	3/31/2010	Cr-51	3.00E-03	1.00E-02	4.20E-02
AP	ONS-4	L16416-04	3/31/2010	Cs-134	2.30E-04	2.10E-04	1.00E-03
AP	ONS-4	L16416-04	3/31/2010	Cs-137	-7.50E-04	4.80E-04	2.30E-03
AP	ONS-4	L16416-04	3/31/2010	Fe-59	-1.20E-03	1.20E-03	8.60E-03
AP	ONS-4	L16416-04	3/31/2010	I-131	5.70E-02	2.60E-02	3.10E-02
AP	ONS-4	L16416-04	3/31/2010	K-40	4.40E-03	6.00E-03	2.30E-02
AP	ONS-4	L16416-04	3/31/2010	La-140	-9.60E-03	9.60E-03	7.10E-02
AP	ONS-4	L16416-04	3/31/2010	Mn-54	2.90E-04	5.40E-04	2.10E-03
AP	ONS-4	L16416-04	3/31/2010	Nb-95	-1.07E-03	7.60E-04	5.30E-03
AP	ONS-4	L16416-04	3/31/2010	Ru-103	1.10E-03	1.00E-03	3.60E-03
AP	ONS-4	L16416-04	3/31/2010	Ru-106	9.00E-04	3.40E-03	1.40E-02
AP	ONS-4	L16416-04	3/31/2010	Sb-124	-4.80E-03	2.80E-03	1.70E-02
AP	ONS-4	L16416-04	3/31/2010	Sb-125	-1.18E-03	9.30E-04	4.40E-03
AP	ONS-4	L16416-04	3/31/2010	Se-75	3.30E-04	4.30E-04	1.60E-03
AP	ONS-4	L16416-04	3/31/2010	Zn-65	2.70E-03	1.20E-03	1.40E-03
AP	ONS-4	L16416-04	3/31/2010	Zr-95	1.00E-04	1.10E-03	5.10E-03
AP	ONS-5	L16416-05	3/31/2010	AcTh-228	-4.74E-04	9.80E-05	3.50E-03
AP	ONS-5	L16416-05	3/31/2010	Ag-108m	2.60E-04	3.20E-04	1.20E-03
AP	ONS-5	L16416-05	3/31/2010	Ag-110m	-5.60E-04	4.00E-04	2.60E-03
AP	ONS-5	L16416-05	3/31/2010	Ba-140	-1.00E-02	1.00E-02	7.20E-02
AP	ONS-5	L16416-05	3/31/2010	Be-7	1.25E-01	1.80E-02	2.90E-02 *
AP	ONS-5	L16416-05	3/31/2010	Ce-141	-1.00E-03	1.20E-03	5.00E-03
AP	ONS-5	L16416-05	3/31/2010	Ce-144	-2.00E-04	1.10E-03	4.60E-03
AP	ONS-5	L16416-05	3/31/2010	Co-57	-8.00E-05	1.30E-04	5.60E-04
AP	ONS-5	L16416-05	3/31/2010	Co-58	6.70E-04	6.10E-04	2.20E-03
AP	ONS-5	L16416-05	3/31/2010	Co-60	2.60E-04	4.50E-04	1.90E-03
AP	ONS-5	L16416-05	3/31/2010	Cr-51	2.80E-03	9.90E-03	4.00E-02
AP	ONS-5	L16416-05	3/31/2010	Cs-134	-2.20E-04	2.20E-04	1.60E-03
AP	ONS-5	L16416-05	3/31/2010	Cs-137	-5.00E-04	2.90E-04	1.70E-03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m <sup>3</sup> )	STD.DEV. (pCi/m <sup>3</sup> )	MDC (pCi/m <sup>3</sup> )
AP	ONS-5	L16416-05	3/31/2010	Fe-59	1.10E-03	1.10E-03	3.10E-03
AP	ONS-5	L16416-05	3/31/2010	I-131	-3.10E-02	3.10E-02	1.50E-01
AP	ONS-5	L16416-05	3/31/2010	K-40	4.90E-03	4.50E-03	1.60E-02
AP	ONS-5	L16416-05	3/31/2010	La-140	-1.00E-02	1.00E-02	7.20E-02
AP	ONS-5	L16416-05	3/31/2010	Mn-54	-3.70E-04	3.70E-04	2.00E-03
AP	ONS-5	L16416-05	3/31/2010	Nb-95	6.60E-04	9.70E-04	4.10E-03
AP	ONS-5	L16416-05	3/31/2010	Ru-103	-3.70E-04	6.30E-04	3.40E-03
AP	ONS-5	L16416-05	3/31/2010	Ru-106	2.50E-03	2.80E-03	1.10E-02
AP	ONS-5	L16416-05	3/31/2010	Sb-124	-1.40E-03	1.40E-03	1.10E-02
AP	ONS-5	L16416-05	3/31/2010	Sb-125	-5.60E-04	7.90E-04	3.70E-03
AP	ONS-5	L16416-05	3/31/2010	Se-75	1.70E-04	4.60E-04	1.80E-03
AP	ONS-5	L16416-05	3/31/2010	Zn-65	4.50E-04	9.30E-04	4.00E-03
AP	ONS-5	L16416-05	3/31/2010	Zr-95	-5.00E-04	5.00E-04	3.90E-03
AP	ONS-6	L16416-06	3/31/2010	AcTh-228	-2.30E-03	1.00E-03	6.80E-03
AP	ONS-6	L16416-06	3/31/2010	Ag-108m	9.00E-05	2.60E-04	1.00E-03
AP	ONS-6	L16416-06	3/31/2010	Ag-110m	5.50E-04	5.50E-04	2.00E-03
AP	ONS-6	L16416-06	3/31/2010	Ba-140	-9.10E-03	9.10E-03	6.70E-02
AP	ONS-6	L16416-06	3/31/2010	Be-7	1.35E-01	1.80E-02	2.50E-02 *
AP	ONS-6	L16416-06	3/31/2010	Ce-141	1.00E-03	1.00E-03	3.60E-03
AP	ONS-6	L16416-06	3/31/2010	Ce-144	-1.53E-03	8.80E-04	4.50E-03
AP	ONS-6	L16416-06	3/31/2010	Co-57	4.00E-05	1.20E-04	4.90E-04
AP	ONS-6	L16416-06	3/31/2010	Co-58	-2.70E-04	2.70E-04	2.10E-03
AP	ONS-6	L16416-06	3/31/2010	Co-60	0.00E+00	0.00E+00	6.80E-04
AP	ONS-6	L16416-06	3/31/2010	Cr-51	-6.00E-04	9.20E-03	4.00E-02
AP	ONS-6	L16416-06	3/31/2010	Cs-134	1.30E-04	2.30E-04	1.20E-03
AP	ONS-6	L16416-06	3/31/2010	Cs-137	1.40E-04	1.40E-04	3.80E-04
AP	ONS-6	L16416-06	3/31/2010	Fe-59	1.10E-03	1.10E-03	3.00E-03
AP	ONS-6	L16416-06	3/31/2010	I-131	1.10E-02	3.30E-02	1.30E-01
AP	ONS-6	L16416-06	3/31/2010	K-40	6.60E-03	5.00E-03	1.60E-02
AP	ONS-6	L16416-06	3/31/2010	La-140	-9.10E-03	9.10E-03	6.70E-02
AP	ONS-6	L16416-06	3/31/2010	Mn-54	-4.70E-04	2.70E-04	1.80E-03
AP	ONS-6	L16416-06	3/31/2010	Nb-95	-1.51E-03	8.70E-04	5.70E-03
AP	ONS-6	L16416-06	3/31/2010	Ru-103	-3.60E-04	8.00E-04	3.90E-03
AP	ONS-6	L16416-06	3/31/2010	Ru-106	1.10E-03	2.40E-03	1.10E-02

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m <sup>3</sup> )	STD.DEV. (pCi/m <sup>3</sup> )	MDC (pCi/m <sup>3</sup> )
AP	ONS-6	L16416-06	3/31/2010	Sb-124	1.50E-03	1.50E-03	4.00E-03
AP	ONS-6	L16416-06	3/31/2010	Sb-125	8.30E-04	6.20E-04	2.00E-03
AP	ONS-6	L16416-06	3/31/2010	Se-75	-7.00E-05	5.10E-04	2.00E-03
AP	ONS-6	L16416-06	3/31/2010	Zn-65	0.00E+00	0.00E+00	1.30E-03
AP	ONS-6	L16416-06	3/31/2010	Zr-95	-4.20E-04	8.80E-04	4.80E-03
AP	NBF	L16416-07	3/31/2010	AcTh-228	1.30E-04	6.10E-04	3.40E-03
AP	NBF	L16416-07	3/31/2010	Ag-108m	-2.60E-04	2.60E-04	1.20E-03
AP	NBF	L16416-07	3/31/2010	Ag-110m	-5.50E-04	6.80E-04	3.30E-03
AP	NBF	L16416-07	3/31/2010	Ba-140	1.90E-02	1.30E-02	2.50E-02
AP	NBF	L16416-07	3/31/2010	Be-7	1.27E-01	1.70E-02	2.20E-02 *
AP	NBF	L16416-07	3/31/2010	Ce-141	-4.00E-04	1.00E-03	4.20E-03
AP	NBF	L16416-07	3/31/2010	Ce-144	1.70E-03	1.40E-03	4.80E-03
AP	NBF	L16416-07	3/31/2010	Co-57	8.80E-05	9.80E-05	3.60E-04
AP	NBF	L16416-07	3/31/2010	Co-58	-5.10E-04	5.70E-04	3.10E-03
AP	NBF	L16416-07	3/31/2010	Co-60	2.50E-04	4.40E-04	1.90E-03
AP	NBF	L16416-07	3/31/2010	Cr-51	-9.60E-03	9.50E-03	4.60E-02
AP	NBF	L16416-07	3/31/2010	Cs-134	2.80E-04	1.90E-04	3.30E-04
AP	NBF	L16416-07	3/31/2010	Cs-137	-2.00E-05	2.20E-04	1.10E-03
AP	NBF	L16416-07	3/31/2010	Fe-59	-1.40E-03	2.10E-03	1.10E-02
AP	NBF	L16416-07	3/31/2010	I-131	1.80E-02	3.10E-02	1.20E-01
AP	NBF	L16416-07	3/31/2010	K-40	-2.79E-03	3.40E-04	1.60E-02
AP	NBF	L16416-07	3/31/2010	La-140	1.90E-02	1.30E-02	2.50E-02
AP	NBF	L16416-07	3/31/2010	Mn-54	-9.10E-04	6.00E-04	2.90E-03
AP	NBF	L16416-07	3/31/2010	Nb-95	7.00E-05	7.70E-04	4.00E-03
AP	NBF	L16416-07	3/31/2010	Ru-103	0.00E+00	8.90E-04	3.90E-03
AP	NBF	L16416-07	3/31/2010	Ru-106	-3.30E-03	3.00E-03	1.60E-02
AP	NBF	L16416-07	3/31/2010	Sb-124	1.50E-03	1.50E-03	4.10E-03
AP	NBF	L16416-07	3/31/2010	Sb-125	-1.66E-03	8.70E-04	4.40E-03
AP	NBF	L16416-07	3/31/2010	Se-75	-3.10E-04	4.10E-04	1.80E-03
AP	NBF	L16416-07	3/31/2010	Zn-65	1.01E-03	7.10E-04	1.40E-03
AP	NBF	L16416-07	3/31/2010	Zr-95	5.60E-04	5.60E-04	1.50E-03
AP	SBN	L16416-08	3/31/2010	AcTh-228	9.00E-05	6.10E-04	3.50E-03
AP	SBN	L16416-08	3/31/2010	Ag-108m	-3.50E-04	2.50E-04	1.20E-03
AP	SBN	L16416-08	3/31/2010	Ag-110m	0.00E+00	7.90E-04	3.30E-03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	REFERENCE		NUCLIDE	CONC (pCi/m <sup>3</sup> )	STD.DEV. (pCi/m <sup>3</sup> )	MDC (pCi/m <sup>3</sup> )
		LSN	DATE				
AP	SBN	L16416-08	3/31/2010	Ba-140	0.00E+00	1.30E-02	6.90E-02
AP	SBN	L16416-08	3/31/2010	Be-7	1.07E-01	1.80E-02	3.40E-02 *
AP	SBN	L16416-08	3/31/2010	Ce-141	0.00E+00	1.20E-03	4.80E-03
AP	SBN	L16416-08	3/31/2010	Ce-144	-2.70E-03	1.20E-03	5.90E-03
AP	SBN	L16416-08	3/31/2010	Co-57	-1.50E-04	1.40E-04	6.20E-04
AP	SBN	L16416-08	3/31/2010	Co-58	8.00E-05	5.90E-04	2.70E-03
AP	SBN	L16416-08	3/31/2010	Co-60	3.00E-04	5.50E-04	2.20E-03
AP	SBN	L16416-08	3/31/2010	Cr-51	-1.10E-02	1.20E-02	5.40E-02
AP	SBN	L16416-08	3/31/2010	Cs-134	-4.00E-05	2.20E-04	1.30E-03
AP	SBN	L16416-08	3/31/2010	Cs-137	-3.80E-04	3.90E-04	1.90E-03
AP	SBN	L16416-08	3/31/2010	Fe-59	0.00E+00	0.00E+00	3.00E-03
AP	SBN	L16416-08	3/31/2010	I-131	-2.20E-02	3.20E-02	1.50E-01
AP	SBN	L16416-08	3/31/2010	K-40	1.60E-03	5.10E-03	2.20E-02
AP	SBN	L16416-08	3/31/2010	La-140	0.00E+00	1.30E-02	6.90E-02
AP	SBN	L16416-08	3/31/2010	Mn-54	-3.00E-04	3.30E-04	1.80E-03
AP	SBN	L16416-08	3/31/2010	Nb-95	-4.40E-04	9.30E-04	5.10E-03
AP	SBN	L16416-08	3/31/2010	Ru-103	3.70E-04	6.30E-04	2.70E-03
AP	SBN	L16416-08	3/31/2010	Ru-106	1.30E-03	1.30E-03	3.60E-03
AP	SBN	L16416-08	3/31/2010	Sb-124	0.00E+00	0.00E+00	4.10E-03
AP	SBN	L16416-08	3/31/2010	Sb-125	-3.00E-04	1.00E-03	4.20E-03
AP	SBN	L16416-08	3/31/2010	Se-75	0.00E+00	4.50E-04	1.80E-03
AP	SBN	L16416-08	3/31/2010	Zn-65	-5.10E-04	8.80E-04	4.70E-03
AP	SBN	L16416-08	3/31/2010	Zr-95	5.70E-04	5.70E-04	1.50E-03
AP	DOW	L16416-09	3/31/2010	AcTh-228	7.00E-04	1.40E-03	5.80E-03
AP	DOW	L16416-09	3/31/2010	Ag-108m	1.70E-04	2.10E-04	7.90E-04
AP	DOW	L16416-09	3/31/2010	Ag-110m	0.00E+00	3.80E-04	2.00E-03
AP	DOW	L16416-09	3/31/2010	Ba-140	1.80E-02	1.30E-02	2.50E-02
AP	DOW	L16416-09	3/31/2010	Be-7	1.47E-01	1.80E-02	2.10E-02 *
AP	DOW	L16416-09	3/31/2010	Ce-141	-1.30E-03	1.10E-03	4.70E-03
AP	DOW	L16416-09	3/31/2010	Ce-144	-2.00E-03	1.20E-03	5.40E-03
AP	DOW	L16416-09	3/31/2010	Co-57	-4.00E-05	1.30E-04	5.40E-04
AP	DOW	L16416-09	3/31/2010	Co-58	6.10E-04	4.30E-04	8.20E-04
AP	DOW	L16416-09	3/31/2010	Co-60	5.00E-04	5.00E-04	1.80E-03
AP	DOW	L16416-09	3/31/2010	Cr-51	5.00E-03	8.20E-03	3.20E-02

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
AP	DOW	L16416-09	3/31/2010	Cs-134	2.00E-05	2.80E-04	1.50E-03
AP	DOW	L16416-09	3/31/2010	Cs-137	-1.60E-04	1.60E-04	1.10E-03
AP	DOW	L16416-09	3/31/2010	Fe-59	2.20E-03	1.60E-03	3.00E-03
AP	DOW	L16416-09	3/31/2010	I-131	2.30E-02	2.10E-02	7.30E-02
AP	DOW	L16416-09	3/31/2010	K-40	-5.20E-03	2.50E-03	2.10E-02
AP	DOW	L16416-09	3/31/2010	La-140	1.80E-02	1.30E-02	2.50E-02
AP	DOW	L16416-09	3/31/2010	Mn-54	-1.80E-04	4.00E-04	1.90E-03
AP	DOW	L16416-09	3/31/2010	Nb-95	1.80E-03	1.20E-03	3.90E-03
AP	DOW	L16416-09	3/31/2010	Ru-103	-7.10E-04	7.10E-04	3.80E-03
AP	DOW	L16416-09	3/31/2010	Ru-106	-3.30E-03	2.90E-03	1.50E-02
AP	DOW	L16416-09	3/31/2010	Sb-124	-1.40E-03	1.40E-03	1.10E-02
AP	DOW	L16416-09	3/31/2010	Sb-125	0.00E+00	5.40E-04	2.50E-03
AP	DOW	L16416-09	3/31/2010	Se-75	1.80E-04	3.00E-04	1.20E-03
AP	DOW	L16416-09	3/31/2010	Zn-65	-5.60E-04	5.60E-04	3.90E-03
AP	DOW	L16416-09	3/31/2010	Zr-95	5.50E-04	5.50E-04	1.50E-03
AP	COL	L16416-10	3/31/2010	AcTh-228	7.10E-04	8.90E-04	3.60E-03
AP	COL	L16416-10	3/31/2010	Ag-108m	-9.00E-05	2.40E-04	1.10E-03
AP	COL	L16416-10	3/31/2010	Ag-110m	5.70E-04	7.00E-04	2.70E-03
AP	COL	L16416-10	3/31/2010	Ba-140	9.60E-03	9.60E-03	2.60E-02
AP	COL	L16416-10	3/31/2010	Be-7	1.23E-01	1.80E-02	3.10E-02 *
AP	COL	L16416-10	3/31/2010	Ce-141	-2.00E-04	1.30E-03	5.20E-03
AP	COL	L16416-10	3/31/2010	Ce-144	-1.49E-03	8.10E-04	4.40E-03
AP	COL	L16416-10	3/31/2010	Co-57	1.00E-05	1.10E-04	4.70E-04
AP	COL	L16416-10	3/31/2010	Co-58	4.00E-05	4.30E-04	2.20E-03
AP	COL	L16416-10	3/31/2010	Co-60	-4.70E-04	3.30E-04	2.30E-03
AP	COL	L16416-10	3/31/2010	Cr-51	-1.65E-02	9.70E-03	5.00E-02
AP	COL	L16416-10	3/31/2010	Cs-134	4.40E-04	2.50E-04	5.10E-04
AP	COL	L16416-10	3/31/2010	Cs-137	-3.70E-04	3.30E-04	1.70E-03
AP	COL	L16416-10	3/31/2010	Fe-59	1.20E-03	1.20E-03	3.10E-03
AP	COL	L16416-10	3/31/2010	I-131	-1.20E-02	3.80E-02	1.60E-01
AP	COL	L16416-10	3/31/2010	K-40	-9.00E-04	2.60E-03	1.70E-02
AP	COL	L16416-10	3/31/2010	La-140	9.60E-03	9.60E-03	2.60E-02
AP	COL	L16416-10	3/31/2010	Mn-54	-3.00E-04	3.40E-04	1.90E-03
AP	COL	L16416-10	3/31/2010	Nb-95	8.00E-05	8.00E-04	4.20E-03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m <sup>3</sup> )	STD.DEV. (pCi/m <sup>3</sup> )	MDC (pCi/m <sup>3</sup> )
AP	COL	L16416-10	3/31/2010	Ru-103	7.50E-04	7.50E-04	2.80E-03
AP	COL	L16416-10	3/31/2010	Ru-106	-5.00E-04	3.00E-03	1.40E-02
AP	COL	L16416-10	3/31/2010	Sb-124	0.00E+00	3.10E-03	1.40E-02
AP	COL	L16416-10	3/31/2010	Sb-125	0.00E+00	9.10E-04	3.80E-03
AP	COL	L16416-10	3/31/2010	Se-75	-7.40E-04	4.10E-04	2.00E-03
AP	COL	L16416-10	3/31/2010	Zn-65	-5.20E-04	5.20E-04	3.80E-03
AP	COL	L16416-10	3/31/2010	Zr-95	7.00E-04	1.20E-03	5.00E-03
AP	ONS-1	L16733-01	6/30/2010	AcTh-228	7.00E-04	7.90E-04	2.90E-03
AP	ONS-1	L16733-01	6/30/2010	Ag-108m	-2.20E-04	1.80E-04	7.50E-04
AP	ONS-1	L16733-01	6/30/2010	Ag-110m	-2.10E-04	3.30E-04	1.50E-03
AP	ONS-1	L16733-01	6/30/2010	Ba-140	3.40E-03	6.00E-03	2.50E-02
AP	ONS-1	L16733-01	6/30/2010	Be-7	1.31E-01	1.20E-02	2.00E-02 *
AP	ONS-1	L16733-01	6/30/2010	Ce-141	1.91E-03	8.70E-04	2.70E-03
AP	ONS-1	L16733-01	6/30/2010	Ce-144	2.50E-04	8.90E-04	3.30E-03
AP	ONS-1	L16733-01	6/30/2010	Co-57	0.00E+00	9.90E-05	3.80E-04
AP	ONS-1	L16733-01	6/30/2010	Co-58	-3.60E-04	4.00E-04	1.80E-03
AP	ONS-1	L16733-01	6/30/2010	Co-60	6.90E-04	3.50E-04	1.00E-03
AP	ONS-1	L16733-01	6/30/2010	Cr-51	-4.50E-03	8.60E-03	3.40E-02
AP	ONS-1	L16733-01	6/30/2010	Cs-134	-4.00E-05	1.60E-04	9.10E-04
AP	ONS-1	L16733-01	6/30/2010	Cs-137	-1.10E-04	2.40E-04	9.70E-04
AP	ONS-1	L16733-01	6/30/2010	Fe-59	-6.00E-04	1.00E-03	4.80E-03
AP	ONS-1	L16733-01	6/30/2010	I-131	2.00E-02	2.70E-02	9.60E-02
AP	ONS-1	L16733-01	6/30/2010	K-40	6.00E-04	2.90E-03	1.20E-02
AP	ONS-1	L16733-01	6/30/2010	La-140	3.40E-03	6.00E-03	2.50E-02
AP	ONS-1	L16733-01	6/30/2010	Mn-54	1.40E-04	2.40E-04	9.10E-04
AP	ONS-1	L16733-01	6/30/2010	Nb-95	2.10E-04	7.90E-04	3.10E-03
AP	ONS-1	L16733-01	6/30/2010	Ru-103	-8.50E-04	6.60E-04	2.90E-03
AP	ONS-1	L16733-01	6/30/2010	Ru-106	3.10E-03	2.20E-03	7.30E-03
AP	ONS-1	L16733-01	6/30/2010	Sb-124	5.00E-04	1.20E-03	5.00E-03
AP	ONS-1	L16733-01	6/30/2010	Sb-125	-6.00E-05	5.40E-04	2.10E-03
AP	ONS-1	L16733-01	6/30/2010	Se-75	-1.60E-04	3.40E-04	1.30E-03
AP	ONS-1	L16733-01	6/30/2010	Zn-65	-7.20E-04	6.60E-04	3.00E-03
AP	ONS-1	L16733-01	6/30/2010	Zr-95	-2.20E-04	5.80E-04	2.60E-03
AP	ONS-2	L16733-02	6/30/2010	AcTh-228	9.30E-04	9.20E-04	3.30E-03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
AP	ONS-2	L16733-02	6/30/2010	Ag-108m	2.70E-04	1.40E-04	4.10E-04
AP	ONS-2	L16733-02	6/30/2010	Ag-110m	-2.80E-04	3.40E-04	1.70E-03
AP	ONS-2	L16733-02	6/30/2010	Ba-140	0.00E+00	7.00E-03	3.70E-02
AP	ONS-2	L16733-02	6/30/2010	Be-7	1.07E-01	1.20E-02	2.10E-02 *
AP	ONS-2	L16733-02	6/30/2010	Ce-141	-6.30E-04	8.80E-04	3.50E-03
AP	ONS-2	L16733-02	6/30/2010	Ce-144	-1.05E-03	6.00E-04	2.80E-03
AP	ONS-2	L16733-02	6/30/2010	Co-57	3.20E-05	9.40E-05	3.50E-04
AP	ONS-2	L16733-02	6/30/2010	Co-58	2.20E-04	4.00E-04	1.60E-03
AP	ONS-2	L16733-02	6/30/2010	Co-60	2.70E-04	2.50E-04	9.00E-04
AP	ONS-2	L16733-02	6/30/2010	Cr-51	-8.00E-03	7.70E-03	3.30E-02
AP	ONS-2	L16733-02	6/30/2010	Cs-134	-1.10E-04	1.60E-04	9.50E-04
AP	ONS-2	L16733-02	6/30/2010	Cs-137	1.40E-04	3.00E-04	1.10E-03
AP	ONS-2	L16733-02	6/30/2010	Fe-59	-1.15E-03	8.10E-04	5.30E-03
AP	ONS-2	L16733-02	6/30/2010	I-131	1.20E-02	1.70E-02	6.60E-02
AP	ONS-2	L16733-02	6/30/2010	K-40	4.40E-03	3.20E-03	1.00E-02
AP	ONS-2	L16733-02	6/30/2010	La-140	0.00E+00	7.00E-03	3.70E-02
AP	ONS-2	L16733-02	6/30/2010	Mn-54	3.10E-04	2.70E-04	9.20E-04
AP	ONS-2	L16733-02	6/30/2010	Nb-95	9.40E-04	6.60E-04	2.10E-03
AP	ONS-2	L16733-02	6/30/2010	Ru-103	-7.50E-04	8.00E-04	3.40E-03
AP	ONS-2	L16733-02	6/30/2010	Ru-106	-2.70E-03	2.30E-03	1.10E-02
AP	ONS-2	L16733-02	6/30/2010	Sb-124	-7.70E-04	7.70E-04	5.70E-03
AP	ONS-2	L16733-02	6/30/2010	Sb-125	-5.70E-04	4.50E-04	2.10E-03
AP	ONS-2	L16733-02	6/30/2010	Se-75	-1.70E-04	2.80E-04	1.10E-03
AP	ONS-2	L16733-02	6/30/2010	Zn-65	0.00E+00	5.10E-04	2.40E-03
AP	ONS-2	L16733-02	6/30/2010	Zr-95	4.00E-05	3.80E-04	2.00E-03
AP	ONS-3	L16733-03	6/30/2010	AcTh-228	3.60E-04	6.30E-04	2.40E-03
AP	ONS-3	L16733-03	6/30/2010	Ag-108m	-9.00E-05	1.60E-04	6.30E-04
AP	ONS-3	L16733-03	6/30/2010	Ag-110m	1.90E-04	2.70E-04	1.00E-03
AP	ONS-3	L16733-03	6/30/2010	Ba-140	9.40E-03	5.40E-03	8.50E-03
AP	ONS-3	L16733-03	6/30/2010	Be-7	1.41E-01	1.20E-02	1.70E-02 *
AP	ONS-3	L16733-03	6/30/2010	Ce-141	6.00E-04	8.20E-04	2.90E-03
AP	ONS-3	L16733-03	6/30/2010	Ce-144	6.40E-04	8.50E-04	3.00E-03
AP	ONS-3	L16733-03	6/30/2010	Co-57	-7.00E-05	1.10E-04	4.30E-04
AP	ONS-3	L16733-03	6/30/2010	Co-58	0.00E+00	3.80E-04	1.50E-03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
AP	ONS-3	L16733-03	6/30/2010	Co-60	5.00E-05	2.30E-04	9.50E-04
AP	ONS-3	L16733-03	6/30/2010	Cr-51	1.50E-02	8.30E-03	2.60E-02
AP	ONS-3	L16733-03	6/30/2010	Cs-134	1.00E-04	1.50E-04	6.00E-04
AP	ONS-3	L16733-03	6/30/2010	Cs-137	1.10E-04	1.70E-04	6.30E-04
AP	ONS-3	L16733-03	6/30/2010	Fe-59	-7.00E-04	1.30E-03	5.80E-03
AP	ONS-3	L16733-03	6/30/2010	I-131	-9.00E-03	2.20E-02	8.70E-02
AP	ONS-3	L16733-03	6/30/2010	K-40	2.70E-03	3.20E-03	1.20E-02
AP	ONS-3	L16733-03	6/30/2010	La-140	9.40E-03	5.40E-03	8.50E-03
AP	ONS-3	L16733-03	6/30/2010	Mn-54	2.50E-04	2.70E-04	9.40E-04
AP	ONS-3	L16733-03	6/30/2010	Nb-95	-5.00E-05	8.60E-04	3.40E-03
AP	ONS-3	L16733-03	6/30/2010	Ru-103	-2.70E-04	4.90E-04	2.10E-03
AP	ONS-3	L16733-03	6/30/2010	Ru-106	1.00E-03	1.90E-03	7.00E-03
AP	ONS-3	L16733-03	6/30/2010	Sb-124	4.90E-04	8.40E-04	3.60E-03
AP	ONS-3	L16733-03	6/30/2010	Sb-125	-6.90E-04	4.50E-04	2.00E-03
AP	ONS-3	L16733-03	6/30/2010	Se-75	1.50E-04	3.40E-04	1.20E-03
AP	ONS-3	L16733-03	6/30/2010	Zn-65	8.00E-04	5.20E-04	1.70E-03
AP	ONS-3	L16733-03	6/30/2010	Zr-95	-7.90E-04	8.40E-04	3.60E-03
AP	ONS-4	L16733-04	6/30/2010	AcTh-228	-5.00E-05	8.00E-04	3.50E-03
AP	ONS-4	L16733-04	6/30/2010	Ag-108m	1.00E-04	1.50E-04	5.60E-04
AP	ONS-4	L16733-04	6/30/2010	Ag-110m	-2.80E-04	3.40E-04	1.70E-03
AP	ONS-4	L16733-04	6/30/2010	Ba-140	-1.20E-02	1.30E-02	6.50E-02
AP	ONS-4	L16733-04	6/30/2010	Be-7	1.13E-01	1.20E-02	1.60E-02 *
AP	ONS-4	L16733-04	6/30/2010	Ce-141	-5.30E-04	7.20E-04	2.90E-03
AP	ONS-4	L16733-04	6/30/2010	Ce-144	1.30E-04	7.90E-04	3.00E-03
AP	ONS-4	L16733-04	6/30/2010	Co-57	-4.40E-05	7.60E-05	3.20E-04
AP	ONS-4	L16733-04	6/30/2010	Co-58	-8.30E-04	3.40E-04	2.00E-03
AP	ONS-4	L16733-04	6/30/2010	Co-60	-2.50E-04	2.50E-04	1.40E-03
AP	ONS-4	L16733-04	6/30/2010	Cr-51	5.00E-03	7.80E-03	2.80E-02
AP	ONS-4	L16733-04	6/30/2010	Cs-134	2.50E-04	1.70E-04	7.90E-04
AP	ONS-4	L16733-04	6/30/2010	Cs-137	1.80E-04	2.20E-04	8.30E-04
AP	ONS-4	L16733-04	6/30/2010	Fe-59	1.10E-03	1.20E-03	4.50E-03
AP	ONS-4	L16733-04	6/30/2010	I-131	-3.60E-02	1.60E-02	9.10E-02
AP	ONS-4	L16733-04	6/30/2010	K-40	3.10E-03	3.40E-03	1.20E-02
AP	ONS-4	L16733-04	6/30/2010	La-140	-1.20E-02	1.30E-02	6.50E-02

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m <sup>3</sup> )	STD.DEV. (pCi/m <sup>3</sup> )	MDC (pCi/m <sup>3</sup> )
AP	ONS-4	L16733-04	6/30/2010	Mn-54	0.00E+00	2.60E-04	1.10E-03
AP	ONS-4	L16733-04	6/30/2010	Nb-95	-1.50E-04	7.40E-04	3.30E-03
AP	ONS-4	L16733-04	6/30/2010	Ru-103	7.40E-04	5.90E-04	2.00E-03
AP	ONS-4	L16733-04	6/30/2010	Ru-106	-3.00E-04	1.80E-03	7.80E-03
AP	ONS-4	L16733-04	6/30/2010	Sb-124	-1.40E-03	1.00E-03	6.90E-03
AP	ONS-4	L16733-04	6/30/2010	Sb-125	-2.70E-04	3.90E-04	1.80E-03
AP	ONS-4	L16733-04	6/30/2010	Se-75	7.30E-04	2.70E-04	7.30E-04
AP	ONS-4	L16733-04	6/30/2010	Zn-65	6.40E-04	4.40E-04	1.30E-03
AP	ONS-4	L16733-04	6/30/2010	Zr-95	-6.70E-04	6.90E-04	3.40E-03
AP	ONS-5	L16733-05	6/30/2010	AcTh-228	6.00E-04	1.10E-03	4.00E-03
AP	ONS-5	L16733-05	6/30/2010	Ag-108m	4.00E-05	1.60E-04	6.20E-04
AP	ONS-5	L16733-05	6/30/2010	Ag-110m	1.40E-04	3.70E-04	1.50E-03
AP	ONS-5	L16733-05	6/30/2010	Ba-140	-5.20E-03	9.00E-03	4.80E-02
AP	ONS-5	L16733-05	6/30/2010	Be-7	1.37E-01	1.40E-02	2.10E-02 *
AP	ONS-5	L16733-05	6/30/2010	Ce-141	2.10E-04	8.40E-04	3.10E-03
AP	ONS-5	L16733-05	6/30/2010	Ce-144	1.26E-03	6.70E-04	2.10E-03
AP	ONS-5	L16733-05	6/30/2010	Co-57	-1.03E-04	6.20E-05	3.00E-04
AP	ONS-5	L16733-05	6/30/2010	Co-58	2.40E-04	4.50E-04	1.80E-03
AP	ONS-5	L16733-05	6/30/2010	Co-60	3.00E-05	2.40E-04	1.10E-03
AP	ONS-5	L16733-05	6/30/2010	Cr-51	2.70E-03	7.10E-03	2.70E-02
AP	ONS-5	L16733-05	6/30/2010	Cs-134	-3.30E-04	1.70E-04	1.00E-03
AP	ONS-5	L16733-05	6/30/2010	Cs-137	-4.00E-05	1.90E-04	8.40E-04
AP	ONS-5	L16733-05	6/30/2010	Fe-59	-3.50E-03	1.40E-03	8.20E-03
AP	ONS-5	L16733-05	6/30/2010	I-131	0.00E+00	2.80E-02	1.10E-01
AP	ONS-5	L16733-05	6/30/2010	K-40	1.80E-03	4.00E-03	1.60E-02
AP	ONS-5	L16733-05	6/30/2010	La-140	-5.20E-03	9.00E-03	4.80E-02
AP	ONS-5	L16733-05	6/30/2010	Mn-54	1.10E-04	2.00E-04	8.00E-04
AP	ONS-5	L16733-05	6/30/2010	Nb-95	4.60E-04	8.70E-04	3.40E-03
AP	ONS-5	L16733-05	6/30/2010	Ru-103	1.90E-04	6.30E-04	2.50E-03
AP	ONS-5	L16733-05	6/30/2010	Ru-106	-5.00E-04	2.10E-03	8.90E-03
AP	ONS-5	L16733-05	6/30/2010	Sb-124	-8.60E-04	8.60E-04	6.00E-03
AP	ONS-5	L16733-05	6/30/2010	Sb-125	-7.00E-04	3.70E-04	2.00E-03
AP	ONS-5	L16733-05	6/30/2010	Se-75	-3.80E-04	3.00E-04	1.30E-03
AP	ONS-5	L16733-05	6/30/2010	Zn-65	0.00E+00	6.30E-04	2.70E-03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
AP	ONS-5	L16733-05	6/30/2010	Zr-95	4.30E-04	8.20E-04	3.20E-03
AP	ONS-6	L16733-06	6/30/2010	AcTh-228	-2.50E-04	7.20E-04	3.00E-03
AP	ONS-6	L16733-06	6/30/2010	Ag-108m	3.00E-05	1.40E-04	5.40E-04
AP	ONS-6	L16733-06	6/30/2010	Ag-110m	1.90E-04	2.70E-04	1.00E-03
AP	ONS-6	L16733-06	6/30/2010	Ba-140	-1.31E-02	6.60E-03	3.90E-02
AP	ONS-6	L16733-06	6/30/2010	Be-7	1.32E-01	1.10E-02	1.80E-02 *
AP	ONS-6	L16733-06	6/30/2010	Ce-141	-4.80E-04	8.50E-04	3.20E-03
AP	ONS-6	L16733-06	6/30/2010	Ce-144	-1.75E-03	8.00E-04	3.50E-03
AP	ONS-6	L16733-06	6/30/2010	Co-57	-1.50E-04	1.20E-04	4.70E-04
AP	ONS-6	L16733-06	6/30/2010	Co-58	-5.50E-04	3.90E-04	1.80E-03
AP	ONS-6	L16733-06	6/30/2010	Co-60	4.00E-04	2.20E-04	6.40E-04
AP	ONS-6	L16733-06	6/30/2010	Cr-51	2.80E-03	7.30E-03	2.70E-02
AP	ONS-6	L16733-06	6/30/2010	Cs-134	-8.00E-05	1.60E-04	8.00E-04
AP	ONS-6	L16733-06	6/30/2010	Cs-137	-8.00E-05	1.60E-04	7.10E-04
AP	ONS-6	L16733-06	6/30/2010	Fe-59	-7.00E-04	1.50E-03	6.20E-03
AP	ONS-6	L16733-06	6/30/2010	I-131	-5.00E-03	2.40E-02	9.40E-02
AP	ONS-6	L16733-06	6/30/2010	K-40	-2.30E-03	2.20E-03	1.10E-02
AP	ONS-6	L16733-06	6/30/2010	La-140	-1.31E-02	6.60E-03	3.90E-02
AP	ONS-6	L16733-06	6/30/2010	Mn-54	4.40E-04	2.10E-04	5.80E-04
AP	ONS-6	L16733-06	6/30/2010	Nb-95	5.80E-04	8.40E-04	3.10E-03
AP	ONS-6	L16733-06	6/30/2010	Ru-103	4.60E-04	5.00E-04	1.80E-03
AP	ONS-6	L16733-06	6/30/2010	Ru-106	2.70E-03	1.80E-03	5.80E-03
AP	ONS-6	L16733-06	6/30/2010	Sb-124	0.00E+00	9.70E-04	4.50E-03
AP	ONS-6	L16733-06	6/30/2010	Sb-125	5.40E-04	4.40E-04	1.50E-03
AP	ONS-6	L16733-06	6/30/2010	Se-75	-3.00E-04	3.20E-04	1.30E-03
AP	ONS-6	L16733-06	6/30/2010	Zn-65	-6.70E-04	6.50E-04	2.90E-03
AP	ONS-6	L16733-06	6/30/2010	Zr-95	-4.00E-04	6.90E-04	3.00E-03
AP	NBF	L16733-07	6/30/2010	AcTh-228	-5.00E-05	9.10E-04	3.90E-03
AP	NBF	L16733-07	6/30/2010	Ag-108m	2.00E-05	1.60E-04	6.50E-04
AP	NBF	L16733-07	6/30/2010	Ag-110m	-2.80E-04	2.80E-04	1.50E-03
AP	NBF	L16733-07	6/30/2010	Ba-140	-9.00E-03	1.60E-02	7.80E-02
AP	NBF	L16733-07	6/30/2010	Be-7	1.12E-01	1.20E-02	1.90E-02 *
AP	NBF	L16733-07	6/30/2010	Ce-141	1.23E-03	9.10E-04	3.10E-03
AP	NBF	L16733-07	6/30/2010	Ce-144	6.00E-04	8.60E-04	3.10E-03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
AP	NBF	L16733-07	6/30/2010	Co-57	3.20E-05	8.70E-05	3.30E-04
AP	NBF	L16733-07	6/30/2010	Co-58	-1.00E-04	3.50E-04	1.70E-03
AP	NBF	L16733-07	6/30/2010	Co-60	6.40E-04	3.40E-04	9.40E-04
AP	NBF	L16733-07	6/30/2010	Cr-51	-7.40E-03	8.60E-03	3.60E-02
AP	NBF	L16733-07	6/30/2010	Cs-134	-1.20E-04	1.40E-04	8.80E-04
AP	NBF	L16733-07	6/30/2010	Cs-137	5.00E-05	1.70E-04	7.20E-04
AP	NBF	L16733-07	6/30/2010	Fe-59	-1.50E-03	1.40E-03	7.20E-03
AP	NBF	L16733-07	6/30/2010	I-131	6.80E-02	3.60E-02	1.10E-01
AP	NBF	L16733-07	6/30/2010	K-40	-7.00E-04	1.80E-03	1.00E-02
AP	NBF	L16733-07	6/30/2010	La-140	-9.00E-03	1.60E-02	7.80E-02
AP	NBF	L16733-07	6/30/2010	Mn-54	1.20E-04	2.00E-04	8.00E-04
AP	NBF	L16733-07	6/30/2010	Nb-95	-8.00E-04	8.10E-04	4.10E-03
AP	NBF	L16733-07	6/30/2010	Ru-103	8.20E-04	6.50E-04	2.20E-03
AP	NBF	L16733-07	6/30/2010	Ru-106	3.20E-03	2.10E-03	6.80E-03
AP	NBF	L16733-07	6/30/2010	Sb-124	0.00E+00	0.00E+00	2.30E-03
AP	NBF	L16733-07	6/30/2010	Sb-125	4.20E-04	6.10E-04	2.20E-03
AP	NBF	L16733-07	6/30/2010	Se-75	2.30E-04	3.30E-04	1.20E-03
AP	NBF	L16733-07	6/30/2010	Zn-65	-9.90E-04	5.10E-04	3.10E-03
AP	NBF	L16733-07	6/30/2010	Zr-95	-7.60E-04	6.10E-04	3.40E-03
AP	SBN	L16733-08	6/30/2010	AcTh-228	6.20E-04	7.50E-04	2.80E-03
AP	SBN	L16733-08	6/30/2010	Ag-108m	-1.30E-04	1.60E-04	7.00E-04
AP	SBN	L16733-08	6/30/2010	Ag-110m	-1.40E-04	3.80E-04	1.70E-03
AP	SBN	L16733-08	6/30/2010	Ba-140	0.00E+00	1.40E-02	6.40E-02
AP	SBN	L16733-08	6/30/2010	Be-7	1.35E-01	1.50E-02	2.60E-02 *
AP	SBN	L16733-08	6/30/2010	Ce-141	-3.40E-04	8.20E-04	3.20E-03
AP	SBN	L16733-08	6/30/2010	Ce-144	1.28E-03	7.40E-04	2.30E-03
AP	SBN	L16733-08	6/30/2010	Co-57	-6.50E-05	8.50E-05	3.60E-04
AP	SBN	L16733-08	6/30/2010	Co-58	6.00E-05	3.90E-04	1.70E-03
AP	SBN	L16733-08	6/30/2010	Co-60	2.70E-04	2.50E-04	9.00E-04
AP	SBN	L16733-08	6/30/2010	Cr-51	1.00E-03	7.80E-03	3.10E-02
AP	SBN	L16733-08	6/30/2010	Cs-134	-9.00E-05	1.40E-04	8.30E-04
AP	SBN	L16733-08	6/30/2010	Cs-137	-1.10E-04	1.80E-04	8.50E-04
AP	SBN	L16733-08	6/30/2010	Fe-59	0.00E+00	1.30E-03	5.90E-03
AP	SBN	L16733-08	6/30/2010	I-131	-2.10E-02	4.60E-02	1.90E-01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
AP	SBN	L16733-08	6/30/2010	K-40	3.10E-03	3.40E-03	1.30E-02
AP	SBN	L16733-08	6/30/2010	La-140	0.00E+00	1.40E-02	6.40E-02
AP	SBN	L16733-08	6/30/2010	Mn-54	-3.10E-04	2.00E-04	1.10E-03
AP	SBN	L16733-08	6/30/2010	Nb-95	2.00E-04	1.00E-03	4.10E-03
AP	SBN	L16733-08	6/30/2010	Ru-103	-8.40E-04	6.60E-04	3.10E-03
AP	SBN	L16733-08	6/30/2010	Ru-106	2.00E-04	2.20E-03	9.00E-03
AP	SBN	L16733-08	6/30/2010	Sb-124	-8.00E-04	1.90E-03	8.90E-03
AP	SBN	L16733-08	6/30/2010	Sb-125	-4.30E-04	4.70E-04	2.10E-03
AP	SBN	L16733-08	6/30/2010	Se-75	2.50E-04	3.00E-04	1.10E-03
AP	SBN	L16733-08	6/30/2010	Zn-65	5.20E-04	3.70E-04	7.00E-04
AP	SBN	L16733-08	6/30/2010	Zr-95	-1.04E-03	6.70E-04	3.70E-03
AP	DOW	L16733-09	6/30/2010	AcTh-228	-3.50E-04	8.60E-04	3.80E-03
AP	DOW	L16733-09	6/30/2010	Ag-108m	-3.00E-05	1.70E-04	6.80E-04
AP	DOW	L16733-09	6/30/2010	Ag-110m	2.80E-04	3.40E-04	1.30E-03
AP	DOW	L16733-09	6/30/2010	Ba-140	-8.00E-03	1.30E-02	6.70E-02
AP	DOW	L16733-09	6/30/2010	Be-7	1.15E-01	1.20E-02	1.60E-02 *
AP	DOW	L16733-09	6/30/2010	Ce-141	4.80E-04	8.80E-04	3.20E-03
AP	DOW	L16733-09	6/30/2010	Ce-144	-9.10E-04	8.80E-04	3.60E-03
AP	DOW	L16733-09	6/30/2010	Co-57	-1.30E-05	9.30E-05	3.60E-04
AP	DOW	L16733-09	6/30/2010	Co-58	-8.00E-05	4.10E-04	1.80E-03
AP	DOW	L16733-09	6/30/2010	Co-60	-1.30E-04	2.20E-04	1.20E-03
AP	DOW	L16733-09	6/30/2010	Cr-51	-1.17E-02	9.70E-03	4.10E-02
AP	DOW	L16733-09	6/30/2010	Cs-134	-2.00E-04	1.90E-04	1.10E-03
AP	DOW	L16733-09	6/30/2010	Cs-137	3.40E-04	1.90E-04	5.60E-04
AP	DOW	L16733-09	6/30/2010	Fe-59	-2.10E-03	1.20E-03	7.20E-03
AP	DOW	L16733-09	6/30/2010	I-131	1.70E-02	2.80E-02	1.10E-01
AP	DOW	L16733-09	6/30/2010	K-40	6.00E-04	2.90E-03	1.20E-02
AP	DOW	L16733-09	6/30/2010	La-140	-8.00E-03	1.30E-02	6.70E-02
AP	DOW	L16733-09	6/30/2010	Mn-54	2.20E-04	2.50E-04	9.20E-04
AP	DOW	L16733-09	6/30/2010	Nb-95	1.33E-03	6.60E-04	9.00E-04
AP	DOW	L16733-09	6/30/2010	Ru-103	4.10E-04	5.00E-04	1.90E-03
AP	DOW	L16733-09	6/30/2010	Ru-106	3.90E-03	1.90E-03	5.30E-03
AP	DOW	L16733-09	6/30/2010	Sb-124	0.00E+00	0.00E+00	2.20E-03
AP	DOW	L16733-09	6/30/2010	Sb-125	6.90E-04	5.70E-04	1.90E-03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	REFERENCE LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
AP	DOW	L16733-09	6/30/2010	Se-75	5.00E-05	2.70E-04	1.00E-03
AP	DOW	L16733-09	6/30/2010	Zn-65	3.30E-04	6.60E-04	2.60E-03
AP	DOW	L16733-09	6/30/2010	Zr-95	2.30E-04	9.80E-04	3.90E-03
AP	COL	L16733-10	6/30/2010	AcTh-228	1.00E-05	9.70E-04	4.10E-03
AP	COL	L16733-10	6/30/2010	Ag-108m	-1.00E-04	2.40E-04	9.70E-04
AP	COL	L16733-10	6/30/2010	Ag-110m	0.00E+00	2.30E-04	1.20E-03
AP	COL	L16733-10	6/30/2010	Ba-140	-1.50E-02	1.50E-02	8.30E-02
AP	COL	L16733-10	6/30/2010	Be-7	1.20E-01	1.40E-02	2.40E-02 *
AP	COL	L16733-10	6/30/2010	Ce-141	-1.10E-03	1.00E-03	4.10E-03
AP	COL	L16733-10	6/30/2010	Ce-144	-4.20E-04	8.60E-04	3.50E-03
AP	COL	L16733-10	6/30/2010	Co-57	1.90E-04	1.00E-04	3.10E-04
AP	COL	L16733-10	6/30/2010	Co-58	5.00E-05	3.60E-04	1.60E-03
AP	COL	L16733-10	6/30/2010	Co-60	-9.00E-05	3.60E-04	1.60E-03
AP	COL	L16733-10	6/30/2010	Cr-51	2.00E-02	1.10E-02	3.50E-02
AP	COL	L16733-10	6/30/2010	Cs-134	2.80E-04	1.90E-04	7.50E-04
AP	COL	L16733-10	6/30/2010	Cs-137	1.00E-05	2.90E-04	1.20E-03
AP	COL	L16733-10	6/30/2010	Fe-59	-2.10E-03	1.20E-03	7.60E-03
AP	COL	L16733-10	6/30/2010	I-131	-4.60E-02	4.90E-02	2.10E-01
AP	COL	L16733-10	6/30/2010	K-40	4.90E-03	4.10E-03	1.40E-02
AP	COL	L16733-10	6/30/2010	La-140	-1.50E-02	1.50E-02	8.30E-02
AP	COL	L16733-10	6/30/2010	Mn-54	2.50E-04	2.80E-04	1.00E-03
AP	COL	L16733-10	6/30/2010	Nb-95	-5.70E-04	8.50E-04	4.20E-03
AP	COL	L16733-10	6/30/2010	Ru-103	-4.70E-04	8.70E-04	3.70E-03
AP	COL	L16733-10	6/30/2010	Ru-106	-2.00E-03	2.10E-03	1.00E-02
AP	COL	L16733-10	6/30/2010	Sb-124	0.00E+00	0.00E+00	2.50E-03
AP	COL	L16733-10	6/30/2010	Sb-125	-6.40E-04	6.40E-04	2.80E-03
AP	COL	L16733-10	6/30/2010	Se-75	-5.00E-05	3.40E-04	1.30E-03
AP	COL	L16733-10	6/30/2010	Zn-65	-5.80E-04	8.20E-04	3.80E-03
AP	COL	L16733-10	6/30/2010	Zr-95	9.00E-04	1.20E-03	4.50E-03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
CF	ONS-1	L16054-01	1/6/2010	I-131	-7.30E-03	4.10E-03	1.80E-02
CF	ONS-2	L16054-02	1/6/2010	I-131	1.80E-03	6.40E-03	2.40E-02
CF	ONS-3	L16054-03	1/6/2010	I-131	-3.40E-03	3.80E-03	1.60E-02
CF	ONS-4	L16054-04	1/6/2010	I-131	-9.80E-03	6.00E-03	2.60E-02
CF	ONS-5	L16054-05	1/6/2010	I-131	6.80E-03	4.30E-03	1.40E-02
CF	ONS-6	L16054-06	1/6/2010	I-131	-5.00E-04	4.10E-03	1.70E-02
CF	NBF	L16054-07	1/6/2010	I-131	-1.90E-03	5.30E-03	2.10E-02
CF	SBN	L16054-08	1/6/2010	I-131	8.00E-04	4.20E-03	1.60E-02
CF	DOW	L16054-09	1/6/2010	I-131	-6.70E-03	5.70E-03	2.40E-02
CF	COL	L16054-10	1/6/2010	I-131	7.30E-03	4.70E-03	1.50E-02
CF	ONS-1	L16089-01	1/13/2010	I-131	-2.10E-03	4.80E-03	2.00E-02
CF	ONS-2	L16089-02	1/13/2010	I-131	-2.80E-03	4.40E-03	1.90E-02
CF	ONS-3	L16089-03	1/13/2010	I-131	7.30E-03	4.60E-03	1.50E-02
CF	ONS-4	L16089-04	1/13/2010	I-131	0.00E+00	5.00E-03	1.90E-02
CF	ONS-5	L16089-05	1/13/2010	I-131	8.00E-04	4.60E-03	1.80E-02
CF	ONS-6	L16089-06	1/13/2010	I-131	-7.40E-03	4.40E-03	2.00E-02
CF	NBF	L16089-07	1/13/2010	I-131	-5.60E-03	4.70E-03	2.00E-02
CF	SBN	L16089-08	1/13/2010	I-131	3.30E-03	4.70E-03	1.70E-02
CF	DOW	L16089-09	1/13/2010	I-131	3.80E-03	4.50E-03	1.60E-02
CF	COL	L16089-10	1/13/2010	I-131	3.20E-03	5.40E-03	2.00E-02
CF	ONS-1	L16117-01	1/20/2010	I-131	-8.00E-04	4.60E-03	1.70E-02
CF	ONS-2	L16117-02	1/20/2010	I-131	2.80E-03	4.40E-03	1.60E-02
CF	ONS-3	L16117-03	1/20/2010	I-131	-5.30E-03	5.20E-03	2.20E-02
CF	ONS-4	L16117-04	1/20/2010	I-131	1.02E-02	5.10E-03	1.60E-02
CF	ONS-5	L16117-05	1/20/2010	I-131	0.00E+00	4.80E-03	1.80E-02
CF	ONS-6	L16117-06	1/20/2010	I-131	-5.30E-03	3.50E-03	1.70E-02
CF	NBF	L16117-07	1/20/2010	I-131	1.70E-03	5.30E-03	2.00E-02
CF	SBN	L16117-08	1/20/2010	I-131	6.80E-03	4.50E-03	1.50E-02
CF	DOW	L16117-09	1/20/2010	I-131	2.30E-03	3.90E-03	1.40E-02
CF	COL	L16117-10	1/20/2010	I-131	3.30E-03	3.80E-03	1.40E-02
CF	ONS-1	L16147-01	1/27/2010	I-131	-1.60E-03	3.60E-03	1.50E-02
CF	ONS-2	L16147-02	1/27/2010	I-131	6.70E-03	5.00E-03	1.70E-02
CF	ONS-3	L16147-03	1/27/2010	I-131	2.50E-03	4.40E-03	1.60E-02

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
CF	ONS-4	L16147-04	1/27/2010	I-131	-8.00E-04	4.50E-03	1.70E-02
CF	ONS-5	L16147-05	1/27/2010	I-131	4.20E-03	3.80E-03	1.30E-02
CF	ONS-6	L16147-06	1/27/2010	I-131	-4.80E-03	5.50E-03	2.20E-02
CF	NBF	L16147-07	1/27/2010	I-131	3.40E-03	4.20E-03	1.50E-02
CF	SBN	L16147-08	1/27/2010	I-131	4.80E-03	4.10E-03	1.40E-02
CF	DOW	L16147-09	1/27/2010	I-131	1.80E-03	4.30E-03	1.60E-02
CF	COL	L16147-10	1/27/2010	I-131	-6.00E-04	4.80E-03	1.90E-02
CF	ONS-1	L16170-01	2/3/2010	I-131	-8.00E-04	3.80E-03	1.50E-02
CF	ONS-2	L16170-02	2/3/2010	I-131	-7.70E-03	4.00E-03	1.90E-02
CF	ONS-3	L16170-03	2/3/2010	I-131	1.70E-03	5.40E-03	2.00E-02
CF	ONS-4	L16170-04	2/3/2010	I-131	7.00E-03	4.10E-03	1.30E-02
CF	ONS-5	L16170-05	2/3/2010	I-131	2.40E-03	4.20E-03	1.50E-02
CF	ONS-6	L16170-06	2/3/2010	I-131	1.06E-02	4.90E-03	1.50E-02
CF	NBF	L16170-07	2/3/2010	I-131	8.70E-03	5.00E-03	1.60E-02
CF	SBN	L16170-08	2/3/2010	I-131	2.60E-03	4.50E-03	1.60E-02
CF	DOW	L16170-09	2/3/2010	I-131	-8.00E-04	3.90E-03	1.50E-02
CF	COL	L16170-10	2/3/2010	I-131	-7.40E-03	3.90E-03	1.90E-02
CF	ONS-1	L16189-01	2/10/2010	I-131	-8.20E-03	4.30E-03	2.00E-02
CF	ONS-2	L16189-02	2/10/2010	I-131	0.00E+00	5.20E-03	2.00E-02
CF	ONS-3	L16189-03	2/10/2010	I-131	-1.70E-03	4.30E-03	1.70E-02
CF	ONS-4	L16189-04	2/10/2010	I-131	-6.00E-03	5.00E-03	2.00E-02
CF	ONS-5	L16189-05	2/10/2010	I-131	-7.50E-03	4.90E-03	2.10E-02
CF	ONS-6	L16189-06	2/10/2010	I-131	0.00E+00	5.00E-03	1.90E-02
CF	NBF	L16189-07	2/10/2010	I-131	-1.70E-03	4.50E-03	1.80E-02
CF	SBN	L16189-08	2/10/2010	I-131	1.50E-03	4.50E-03	1.60E-02
CF	DOW	L16189-09	2/10/2010	I-131	-2.60E-03	4.60E-03	1.90E-02
CF	COL	L16189-10	2/10/2010	I-131	-5.80E-03	4.20E-03	1.90E-02
CF	ONS-1	L16208-01	2/17/2010	I-131	-1.60E-03	3.80E-03	1.50E-02
CF	ONS-2	L16208-02	2/17/2010	I-131	-1.20E-03	4.00E-03	1.60E-02
CF	ONS-3	L16208-03	2/17/2010	I-131	-7.10E-03	5.00E-03	2.20E-02
CF	ONS-4	L16208-04	2/17/2010	I-131	3.60E-03	4.20E-03	1.50E-02
CF	ONS-5	L16208-05	2/17/2010	I-131	-5.50E-03	4.40E-03	1.80E-02
CF	ONS-6	L16208-06	2/17/2010	I-131	-3.60E-03	3.30E-03	1.60E-02

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
CF	NBF	L16208-07	2/17/2010	I-131	5.80E-03	5.10E-03	1.70E-02
CF	SBN	L16208-08	2/17/2010	I-131	-8.00E-04	4.50E-03	1.70E-02
CF	DOW	L16208-09	2/17/2010	I-131	7.90E-03	4.80E-03	1.60E-02
CF	COL	L16208-10	2/17/2010	I-131	5.90E-03	4.70E-03	1.60E-02
CF	ONS-1	L16231-01	2/24/2010	I-131	2.10E-03	3.50E-03	1.30E-02
CF	ONS-2	L16231-02	2/24/2010	I-131	1.10E-03	5.00E-03	1.90E-02
CF	ONS-3	L16231-03	2/24/2010	I-131	-1.90E-03	3.70E-03	1.60E-02
CF	ONS-4	L16231-04	2/24/2010	I-131	-5.30E-03	4.70E-03	1.90E-02
CF	ONS-5	L16231-05	2/24/2010	I-131	-8.00E-04	3.90E-03	1.60E-02
CF	ONS-6	L16231-06	2/24/2010	I-131	-6.00E-03	4.70E-03	2.10E-02
CF	NBF	L16231-07	2/24/2010	I-131	-3.50E-03	3.70E-03	1.60E-02
CF	SBN	L16231-08	2/24/2010	I-131	0.00E+00	3.30E-03	1.30E-02
CF	DOW	L16231-09	2/24/2010	I-131	6.60E-03	4.20E-03	1.30E-02
CF	COL	L16231-10	2/24/2010	I-131	0.00E+00	4.20E-03	1.70E-02
CF	ONS-1	L16257-01	3/3/2010	I-131	0.00E+00	4.30E-03	1.70E-02
CF	ONS-2	L16257-02	3/3/2010	I-131	-5.30E-03	3.60E-03	1.60E-02
CF	ONS-3	L16257-03	3/3/2010	I-131	-2.30E-03	3.60E-03	1.50E-02
CF	ONS-4	L16257-04	3/3/2010	I-131	-8.00E-03	4.20E-03	2.00E-02
CF	ONS-5	L16257-05	3/3/2010	I-131	-5.80E-03	5.60E-03	2.30E-02
CF	ONS-6	L16257-06	3/3/2010	I-131	-8.00E-04	2.90E-03	1.20E-02
CF	NBF	L16257-07	3/3/2010	I-131	5.70E-03	4.20E-03	1.40E-02
CF	SBN	L16257-08	3/3/2010	I-131	-2.30E-03	4.00E-03	1.70E-02
CF	DOW	L16257-09	3/3/2010	I-131	-4.70E-03	4.70E-03	2.10E-02
CF	COL	L16257-10	3/3/2010	I-131	-9.00E-04	4.50E-03	1.70E-02
CF	ONS-1	L16270-01	3/10/2010	I-131	-2.20E-03	4.90E-03	2.00E-02
CF	ONS-2	L16270-02	3/10/2010	I-131	-4.20E-03	3.70E-03	1.60E-02
CF	ONS-3	L16270-03	3/10/2010	I-131	2.30E-03	3.60E-03	1.30E-02
CF	ONS-4	L16270-04	3/10/2010	I-131	-3.60E-03	4.20E-03	1.90E-02
CF	ONS-5	L16270-05	3/10/2010	I-131	1.20E-03	4.50E-03	1.70E-02
CF	ONS-6	L16270-06	3/10/2010	I-131	-2.60E-03	4.10E-03	1.70E-02
CF	NBF	L16270-07	3/10/2010	I-131	0.00E+00	4.40E-03	1.70E-02
CF	SBN	L16270-08	3/10/2010	I-131	-5.10E-03	4.10E-03	1.80E-02
CF	DOW	L16270-09	3/10/2010	I-131	3.50E-03	4.20E-03	1.50E-02

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
CF	COL	L16270-10	3/10/2010	I-131	2.60E-03	4.40E-03	1.60E-02
CF	ONS-1	L16291-01	3/17/2010	I-131	-1.20E-03	2.70E-03	1.10E-02
CF	ONS-2	L16291-02	3/17/2010	I-131	1.30E-03	2.20E-03	8.60E-03
CF	ONS-3	L16291-03	3/17/2010	I-131	1.60E-03	3.80E-03	1.40E-02
CF	ONS-4	L16291-04	3/17/2010	I-131	-2.00E-03	4.40E-03	1.70E-02
CF	ONS-5	L16291-05	3/17/2010	I-131	-6.00E-04	2.40E-03	9.60E-03
CF	ONS-6	L16291-06	3/17/2010	I-131	2.40E-03	2.70E-03	1.00E-02
CF	NBF	L16291-07	3/17/2010	I-131	-8.80E-03	3.70E-03	1.80E-02
CF	SBN	L16291-08	3/17/2010	I-131	1.30E-03	3.00E-03	1.10E-02
CF	DOW	L16291-09	3/17/2010	I-131	-3.70E-03	3.40E-03	1.60E-02
CF	COL	L16291-10	3/17/2010	I-131	-5.70E-03	5.20E-03	2.20E-02
CF	ONS-1	L16327-01	3/24/2010	I-131	0.00E+00	4.00E-03	1.60E-02
CF	ONS-2	L16327-02	3/24/2010	I-131	1.80E-03	4.80E-03	1.80E-02
CF	ONS-3	L16327-03	3/24/2010	I-131	-3.90E-03	5.30E-03	2.30E-02
CF	ONS-4	L16327-04	3/24/2010	I-131	-3.80E-03	5.40E-03	2.10E-02
CF	ONS-5	L16327-05	3/24/2010	I-131	6.60E-03	5.10E-03	1.70E-02
CF	ONS-6	L16327-06	3/24/2010	I-131	-2.00E-04	3.30E-03	1.40E-02
CF	NBF	L16327-07	3/24/2010	I-131	-5.40E-03	6.40E-03	2.60E-02
CF	SBN	L16327-08	3/24/2010	I-131	-2.10E-03	5.00E-03	2.00E-02
CF	DOW	L16327-09	3/24/2010	I-131	5.80E-03	4.40E-03	1.50E-02
CF	COL	L16327-10	3/24/2010	I-131	2.80E-03	6.30E-03	2.40E-02
CF	ONS-1	L16351-01	3/31/2010	I-131	0.00E+00	4.80E-03	1.90E-02
CF	ONS-2	L16351-02	3/31/2010	I-131	2.50E-03	3.70E-03	1.40E-02
CF	ONS-3	L16351-03	3/31/2010	I-131	5.00E-04	4.00E-03	1.60E-02
CF	ONS-4	L16351-04	3/31/2010	I-131	-1.10E-03	5.20E-03	2.00E-02
CF	ONS-5	L16351-05	3/31/2010	I-131	0.00E+00	4.60E-03	1.70E-02
CF	ONS-6	L16351-06	3/31/2010	I-131	8.90E-03	4.60E-03	1.40E-02
CF	NBF	L16351-07	3/31/2010	I-131	0.00E+00	4.70E-03	1.90E-02
CF	SBN	L16351-08	3/31/2010	I-131	-6.00E-04	4.40E-03	1.80E-02
CF	DOW	L16351-09	3/31/2010	I-131	-1.20E-03	6.00E-03	2.30E-02
CF	COL	L16351-10	3/31/2010	I-131	4.50E-03	5.40E-03	1.90E-02
CF	ONS-1	L16378-01	4/7/2010	I-131	7.70E-03	4.50E-03	1.50E-02
CF	ONS-2	L16378-02	4/7/2010	I-131	-2.30E-03	5.30E-03	2.20E-02

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
CF	ONS-3	L16378-03	4/7/2010	I-131	6.80E-03	6.30E-03	2.20E-02
CF	ONS-4	L16378-04	4/7/2010	I-131	9.00E-04	4.90E-03	1.80E-02
CF	ONS-5	L16378-05	4/7/2010	I-131	1.00E-03	3.70E-03	1.40E-02
CF	ONS-6	L16378-06	4/7/2010	I-131	-5.30E-03	4.50E-03	2.10E-02
CF	NBF	L16378-07	4/7/2010	I-131	1.40E-03	5.40E-03	2.10E-02
CF	SBN	L16378-08	4/7/2010	I-131	-1.02E-02	5.00E-03	2.20E-02
CF	DOW	L16378-09	4/7/2010	I-131	6.60E-03	3.70E-03	1.10E-02
CF	COL	L16378-10	4/7/2010	I-131	-2.60E-03	5.20E-03	2.20E-02
CF	ONS-1	L16407-01	4/14/2010	I-131	1.50E-03	4.10E-03	1.50E-02
CF	ONS-2	L16407-02	4/14/2010	I-131	-8.00E-04	3.20E-03	1.40E-02
CF	ONS-3	L16407-03	4/14/2010	I-131	4.50E-03	5.00E-03	1.80E-02
CF	ONS-4	L16407-04	4/14/2010	I-131	3.10E-03	3.50E-03	1.20E-02
CF	ONS-5	L16407-05	4/14/2010	I-131	-1.40E-03	3.30E-03	1.30E-02
CF	ONS-6	L16407-06	4/14/2010	I-131	8.00E-04	2.90E-03	1.20E-02
CF	NBF	L16407-07	4/14/2010	I-131	-1.10E-03	4.60E-03	1.90E-02
CF	SBN	L16407-08	4/14/2010	I-131	0.00E+00	3.50E-03	1.40E-02
CF	DOW	L16407-09	4/14/2010	I-131	-5.20E-03	3.30E-03	1.50E-02
CF	COL	L16407-10	4/14/2010	I-131	-2.70E-03	3.60E-03	1.60E-02
CF	ONS-1	L16439-01	4/21/2010	I-131	-2.10E-03	7.00E-03	2.60E-02
CF	ONS-2	L16439-02	4/21/2010	I-131	2.20E-03	5.40E-03	2.00E-02
CF	ONS-3	L16439-03	4/21/2010	I-131	-5.00E-04	5.30E-03	2.10E-02
CF	ONS-4	L16439-04	4/21/2010	I-131	6.00E-03	7.00E-03	2.50E-02
CF	ONS-5	L16439-05	4/21/2010	I-131	2.20E-03	5.90E-03	2.20E-02
CF	ONS-6	L16439-06	4/21/2010	I-131	-1.30E-03	4.70E-03	2.00E-02
CF	NBF	L16439-07	4/21/2010	I-131	-1.60E-03	6.80E-03	2.70E-02
CF	SBN	L16439-08	4/21/2010	I-131	-1.00E-03	5.10E-03	2.10E-02
CF	DOW	L16439-09	4/21/2010	I-131	-8.00E-03	6.20E-03	2.80E-02
CF	COL	L16439-10	4/21/2010	I-131	8.70E-03	5.30E-03	1.70E-02
CF	ONS-1	L16469-01	4/28/2010	I-131	1.20E-03	4.20E-03	1.70E-02
CF	ONS-2	L16469-02	4/28/2010	I-131	7.40E-03	4.90E-03	1.60E-02
CF	ONS-3	L16469-03	4/28/2010	I-131	-9.50E-03	6.70E-03	2.80E-02
CF	ONS-4	L16469-04	4/28/2010	I-131	1.10E-03	5.50E-03	2.10E-02
CF	ONS-5	L16469-05	4/28/2010	I-131	2.70E-03	4.60E-03	1.80E-02

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	
CF	ONS-6	L16469-06	4/28/2010	I-131	-3.20E-03	5.50E-03	2.40E-02	
CF	NBF	L16469-07	4/28/2010	I-131	-3.60E-03	5.80E-03	2.30E-02	
CF	SBN	L16469-08	4/28/2010	I-131	-6.70E-03	6.10E-03	2.50E-02	
CF	DOW	L16469-09	4/28/2010	I-131	5.90E-03	5.40E-03	1.90E-02	
CF	COL	L16469-10	4/28/2010	I-131	5.10E-03	7.80E-03	2.80E-02	
CF	ONS-1	L16496-01	5/5/2010	I-131	-3.60E-03	4.80E-03	2.20E-02	
CF	ONS-2	L16496-02	5/5/2010	I-131	-6.70E-03	6.70E-03	2.90E-02	
CF	ONS-3	L16496-03	5/5/2010	I-131	0.00E+00	6.00E-03	2.30E-02	
CF	ONS-4	L16496-04	5/5/2010	I-131	1.50E-03	7.20E-03	2.70E-02	
CF	ONS-5	L16496-05	5/5/2010	I-131	-2.10E-03	8.00E-03	3.30E-02	
CF	ONS-6	L16496-06	5/5/2010	I-131	-4.60E-03	8.00E-03	3.20E-02	
CF	NBF	L16496-07	5/5/2010	I-131	4.50E-03	7.70E-03	2.80E-02	
CF	SBN	L16496-08	5/5/2010	I-131	-1.42E-02	9.80E-03	4.20E-02	
CF	DOW	L16496-09	5/5/2010	I-131	1.11E-02	7.90E-03	2.60E-02	
CF	COL	L16496-10	5/5/2010	I-131	-5.30E-03	8.40E-03	3.40E-02	
CF	ONS-1	L16519-01	5/12/2010	I-131	1.13E-02	5.00E-03	1.50E-02	
CF	ONS-2	L16519-02	5/12/2010	I-131	-1.20E-03	4.60E-03	2.00E-02	
CF	ONS-3	L16519-03	5/12/2010	I-131	1.50E-03	6.40E-03	2.50E-02	
CF	ONS-4	L16519-04	5/12/2010	I-131	-1.10E-03	4.90E-03	2.00E-02	
CF	ONS-5	L16519-05	5/12/2010	I-131	3.20E-03	4.90E-03	1.80E-02	
CF	ONS-6	L16519-06	5/12/2010	I-131	8.20E-03	5.00E-03	1.60E-02	
CF	NBF	L16519-07	5/12/2010	I-131	4.70E-03	6.40E-03	2.30E-02	
CF	SBN	L16519-08	5/12/2010	I-131	2.30E-03	5.50E-03	2.00E-02	
CF	DOW	L16519-09	5/12/2010	I-131	-2.80E-03	6.60E-03	2.80E-02	
CF	COL	L16519-10	5/12/2010	I-131	-2.40E+00	4.60E+00	1.90E+01	+
CF	ONS-1	L16539-01	5/19/2010	I-131	-9.40E-03	4.60E-03	2.10E-02	
CF	ONS-2	L16539-02	5/19/2010	I-131	2.70E-03	4.20E-03	1.50E-02	
CF	ONS-3	L16539-03	5/19/2010	I-131	4.60E-03	3.90E-03	1.40E-02	
CF	ONS-4	L16539-04	5/19/2010	I-131	7.80E-03	5.80E-03	1.90E-02	
CF	ONS-5	L16539-05	5/19/2010	I-131	1.00E-03	4.40E-03	1.70E-02	
CF	ONS-6	L16539-06	5/19/2010	I-131	-2.80E-03	4.50E-03	1.80E-02	
CF	NBF	L16539-07	5/19/2010	I-131	9.00E-04	3.40E-03	1.40E-02	
CF	SBN	L16539-08	5/19/2010	I-131	-2.70E-03	5.70E-03	2.40E-02	

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
CF	DOW	L16539-09	5/19/2010	I-131	-7.20E-03	5.30E-03	2.20E-02
CF	COL	L16539-10	5/19/2010	I-131	7.80E-03	5.80E-03	2.00E-02
CF	ONS-1	L16571-01	5/26/2010	I-131	2.00E-04	4.40E-03	1.80E-02
CF	ONS-2	L16571-02	5/26/2010	I-131	1.19E-02	5.20E-03	1.40E-02
CF	ONS-3	L16571-03	5/26/2010	I-131	2.00E-04	4.70E-03	1.90E-02
CF	ONS-4	L16571-04	5/26/2010	I-131	3.20E-03	8.00E-03	2.90E-02
CF	ONS-5	L16571-05	5/26/2010	I-131	-4.00E-03	4.00E-03	1.90E-02
CF	ONS-6	L16571-06	5/26/2010	I-131	9.50E-03	6.70E-03	2.20E-02
CF	NBF	L16571-07	5/26/2010	I-131	1.06E-02	5.90E-03	1.80E-02
CF	SBN	L16571-08	5/26/2010	I-131	1.60E-03	5.60E-03	2.20E-02
CF	DOW	L16571-09	5/26/2010	I-131	-9.70E-03	7.10E-03	2.90E-02
CF	COL	L16571-10	5/26/2010	I-131	5.00E-04	5.40E-03	2.10E-02
CF	ONS-1	L16594-01	6/2/2010	I-131	-1.30E-02	7.50E-03	3.20E-02
CF	ONS-2	L16594-02	6/2/2010	I-131	6.50E-03	8.30E-03	3.00E-02
CF	ONS-3	L16594-03	6/2/2010	I-131	5.90E-03	7.30E-03	2.60E-02
CF	ONS-4	L16594-04	6/2/2010	I-131	-6.00E-04	7.00E-03	2.80E-02
CF	ONS-5	L16594-05	6/2/2010	I-131	0.00E+00	9.70E-03	3.70E-02
CF	ONS-6	L16594-06	6/2/2010	I-131	2.90E-03	9.00E-03	3.30E-02
CF	NBF	L16594-07	6/2/2010	I-131	9.90E-03	7.80E-03	2.60E-02
CF	SBN	L16594-08	6/2/2010	I-131	-1.52E-02	6.60E-03	3.30E-02
CF	DOW	L16594-09	6/2/2010	I-131	8.60E-03	7.90E-03	2.70E-02
CF	COL	L16594-10	6/2/2010	I-131	1.37E-02	6.40E-03	1.80E-02
CF	ONS-1	L16615-01	6/9/2010	I-131	-1.55E-02	7.30E-03	3.30E-02
CF	ONS-2	L16615-02	6/9/2010	I-131	1.40E-03	5.40E-03	2.10E-02
CF	ONS-3	L16615-03	6/9/2010	I-131	6.00E-04	6.60E-03	2.70E-02
CF	ONS-4	L16615-04	6/9/2010	I-131	6.20E-03	8.00E-03	2.90E-02
CF	ONS-5	L16615-05	6/9/2010	I-131	4.50E-03	8.30E-03	3.00E-02
CF	ONS-6	L16615-06	6/9/2010	I-131	-5.50E-03	6.50E-03	2.70E-02
CF	NBF	L16615-07	6/9/2010	I-131	-1.25E-02	5.20E-03	2.90E-02
CF	SBN	L16615-08	6/9/2010	I-131	-6.10E-03	7.40E-03	3.20E-02
CF	DOW	L16615-09	6/9/2010	I-131	-4.70E-03	8.40E-03	3.30E-02
CF	COL	L16615-10	6/9/2010	I-131	7.50E-03	6.60E-03	2.30E-02
CF	ONS-1	L16652-01	6/16/2010	I-131	5.60E-03	5.80E-03	2.00E-02

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
CF	ONS-2	L16652-02	6/16/2010	I-131	2.60E-03	4.40E-03	1.70E-02
CF	ONS-3	L16652-03	6/16/2010	I-131	0.00E+00	6.70E-03	2.60E-02
CF	ONS-4	L16652-04	6/16/2010	I-131	1.28E-02	7.10E-03	2.30E-02
CF	ONS-5	L16652-05	6/16/2010	I-131	-3.20E-03	5.30E-03	2.10E-02
CF	ONS-6	L16652-06	6/16/2010	I-131	5.00E-04	5.10E-03	2.00E-02
CF	NBF	L16652-07	6/16/2010	I-131	0.00E+00	7.70E-03	3.00E-02
CF	SBN	L16652-08	6/16/2010	I-131	7.20E-03	5.90E-03	2.00E-02
CF	DOW	L16652-09	6/16/2010	I-131	-5.50E-03	5.20E-03	2.20E-02
CF	COL	L16652-10	6/16/2010	I-131	5.00E-04	5.30E-03	2.10E-02
CF	ONS-1	L16668-01	6/23/2010	I-131	-5.30E-03	5.00E-03	2.20E-02
CF	ONS-2	L16668-02	6/23/2010	I-131	4.50E-03	7.40E-03	2.70E-02
CF	ONS-3	L16668-03	6/23/2010	I-131	5.40E-03	6.40E-03	2.30E-02
CF	ONS-4	L16668-04	6/23/2010	I-131	9.10E-03	6.60E-03	2.20E-02
CF	ONS-5	L16668-05	6/23/2010	I-131	0.00E+00	6.00E-03	2.30E-02
CF	ONS-6	L16668-06	6/23/2010	I-131	-1.80E-02	8.80E-03	3.80E-02
CF	NBF	L16668-07	6/23/2010	I-131	1.16E-02	8.20E-03	2.70E-02
CF	SBN	L16668-08	6/23/2010	I-131	-1.84E-02	7.40E-03	3.30E-02
CF	DOW	L16668-09	6/23/2010	I-131	-6.20E-03	7.30E-03	3.20E-02
CF	COL	L16668-10	6/23/2010	I-131	6.30E-03	8.70E-03	3.20E-02
CF	NBF	255846012	6/30/2010	I-131	1.20E-03	3.81E-03	1.27E-02
CF	SBN	255846013	6/30/2010	I-131	4.56E-03	3.80E-03	1.36E-02
CF	DOW	255846014	6/30/2010	I-131	3.89E-04	3.85E-03	1.26E-02
CF	COL	255846015	6/30/2010	I-131	9.27E-04	3.21E-03	1.08E-02
CF	ONS-1	255846016	6/30/2010	I-131	-2.71E-05	2.42E-03	7.67E-03
CF	ONS-2	255846017	6/30/2010	I-131	3.03E-03	3.41E-03	1.19E-02
CF	ONS-3	255846018	6/30/2010	I-131	2.21E-03	3.63E-03	1.28E-02
CF	ONS-4	255846019	6/30/2010	I-131	-5.96E-03	2.90E-03	8.05E-03
CF	ONS-5	255846020	6/30/2010	I-131	7.18E-04	3.12E-03	1.05E-02
CF	ONS-6	255846021	6/30/2010	I-131	-1.09E-03	3.48E-03	1.11E-02
CF	NBF	256165012	7/7/2010	I-131	-6.63E-04	2.16E-03	6.88E-03
CF	SBN	256165013	7/7/2010	I-131	3.91E-04	2.57E-03	8.43E-03
CF	DOW	256165014	7/7/2010	I-131	2.29E-03	2.26E-03	7.96E-03
CF	COL	256165015	7/7/2010	I-131	-5.54E-04	1.76E-03	5.42E-03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m <sup>3</sup> )	STD.DEV. (pCi/m <sup>3</sup> )	MDC (pCi/m <sup>3</sup> )
CF	ONS-1	256165016	7/7/2010	I-131	-1.76E-03	2.04E-03	6.39E-03
CF	ONS-2	256165017	7/7/2010	I-131	6.70E-04	2.67E-03	8.98E-03
CF	ONS-3	256165018	7/7/2010	I-131	-6.58E-04	2.73E-03	8.96E-03
CF	ONS-4	256165019	7/7/2010	I-131	-4.26E-04	2.21E-03	6.97E-03
CF	ONS-5	256165020	7/7/2010	I-131	2.73E-04	2.80E-03	9.30E-03
CF	ONS-6	256165021	7/7/2010	I-131	-7.80E-04	2.05E-03	6.68E-03
CF	NBF	256625012	7/14/2010	I-131	-1.61E-04	2.63E-03	8.54E-03
CF	SBN	256625013	7/14/2010	I-131	-6.32E-04	2.35E-03	7.24E-03
CF	DOW	256625014	7/14/2010	I-131	-2.09E-03	2.39E-03	7.34E-03
CF	COL	256625015	7/14/2010	I-131	2.59E-03	2.24E-03	8.29E-03
CF	ONS-1	256625016	7/14/2010	I-131	-5.98E-03	3.07E-03	8.56E-03
CF	ONS-2	256625017	7/14/2010	I-131	5.04E-05	2.66E-03	8.48E-03
CF	ONS-3	256625018	7/14/2010	I-131	2.78E-04	2.90E-03	9.77E-03
CF	ONS-4	256625019	7/14/2010	I-131	-8.85E-04	2.13E-03	6.82E-03
CF	ONS-5	256625020	7/14/2010	I-131	1.69E-03	2.36E-03	8.23E-03
CF	ONS-6	256625021	7/14/2010	I-131	-3.39E-04	2.11E-03	6.59E-03
CF	NBF	257043012	7/21/2010	I-131	-1.84E-03	1.62E-03	4.84E-03
CF	SBN	257043013	7/21/2010	I-131	-3.22E-03	2.96E-03	9.08E-03
CF	DOW	257043014	7/21/2010	I-131	3.31E-03	2.59E-03	9.47E-03
CF	COL	257043015	7/21/2010	I-131	-7.62E-04	1.68E-03	5.28E-03
CF	ONS-1	257043016	7/21/2010	I-131	1.60E-03	2.42E-03	8.40E-03
CF	ONS-2	257043017	7/21/2010	I-131	-1.62E-03	2.45E-03	7.72E-03
CF	ONS-3	257043018	7/21/2010	I-131	1.48E-04	1.86E-03	6.13E-03
CF	ONS-4	257043019	7/21/2010	I-131	1.02E-03	1.77E-03	6.17E-03
CF	ONS-5	257043020	7/21/2010	I-131	5.61E-04	1.87E-03	6.39E-03
CF	ONS-6	257043021	7/21/2010	I-131	-3.95E-03	2.76E-03	8.13E-03
CF	NBF	257551012	7/28/2010	I-131	2.65E-03	2.21E-03	7.96E-03
CF	SBN	257551013	7/28/2010	I-131	1.65E-03	2.02E-03	7.13E-03
CF	DOW	257551014	7/28/2010	I-131	2.77E-03	3.11E-03	1.08E-02
CF	COL	257551015	7/28/2010	I-131	3.63E-04	1.82E-03	5.87E-03
CF	ONS-1	257551016	7/28/2010	I-131	2.92E-03	2.68E-03	9.40E-03
CF	ONS-2	257551017	7/28/2010	I-131	3.03E-03	2.92E-03	1.03E-02
CF	ONS-3	257551018	7/28/2010	I-131	1.79E-04	1.99E-03	6.76E-03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
CF	ONS-4	257551019	7/28/2010	I-131	1.10E-03	2.14E-03	7.57E-03
CF	ONS-5	257551020	7/28/2010	I-131	5.03E-04	1.88E-03	6.41E-03
CF	ONS-6	257551021	7/28/2010	I-131	-4.27E-03	2.51E-03	7.11E-03
CF	NBF	258182012	8/4/2010	I-131	-4.07E-03	2.02E-03	5.09E-03
CF	SBN	258182013	8/4/2010	I-131	1.67E-03	2.33E-03	8.03E-03
CF	DOW	258182014	8/4/2010	I-131	-3.81E-03	2.15E-03	6.15E-03
CF	COL	258182015	8/4/2010	I-131	-3.91E-03	2.94E-03	8.74E-03
CF	ONS-1	258182016	8/4/2010	I-131	-1.44E-03	2.25E-03	7.27E-03
CF	ONS-2	258182017	8/4/2010	I-131	-8.00E-05	2.94E-03	9.83E-03
CF	ONS-3	258182018	8/4/2010	I-131	-1.96E-03	2.04E-03	6.48E-03
CF	ONS-4	258182019	8/4/2010	I-131	-1.03E-03	2.07E-03	6.29E-03
CF	ONS-5	258182020	8/4/2010	I-131	4.17E-04	2.13E-03	7.04E-03
CF	ONS-6	258182021	8/4/2010	I-131	-1.66E-03	2.17E-03	6.72E-03
CF	NBF	258806012	8/11/2010	I-131	3.36E-03	3.10E-03	1.08E-02
CF	SBN	258806013	8/11/2010	I-131	6.53E-03	3.21E-03	1.23E-02
CF	DOW	258806014	8/11/2010	I-131	3.02E-03	3.25E-03	1.17E-02
CF	COL	258806015	8/11/2010	I-131	-4.57E-04	2.43E-03	8.12E-03
CF	ONS-1	258806016	8/11/2010	I-131	-3.32E-03	2.84E-03	8.11E-03
CF	ONS-2	258806017	8/11/2010	I-131	-7.91E-04	2.19E-03	6.91E-03
CF	ONS-3	258806018	8/11/2010	I-131	3.60E-03	2.53E-03	9.59E-03
CF	ONS-4	258806019	8/11/2010	I-131	5.50E-03	3.05E-03	1.09E-02
CF	ONS-5	258806020	8/11/2010	I-131	8.65E-04	3.47E-03	1.16E-02
CF	ONS-6	258806021	8/11/2010	I-131	2.36E-03	2.88E-03	1.01E-02
CF	NBF	259210012	8/18/2010	I-131	4.73E-03	1.63E-03	6.57E-03
CF	SBN	259210013	8/18/2010	I-131	-1.77E-03	1.92E-03	5.78E-03
CF	DOW	259210014	8/18/2010	I-131	5.28E-04	1.39E-03	4.68E-03
CF	COL	259210015	8/18/2010	I-131	9.12E-04	1.67E-03	5.68E-03
CF	ONS-1	259210016	8/18/2010	I-131	-2.48E-03	1.96E-03	5.75E-03
CF	ONS-2	259210017	8/18/2010	I-131	1.40E-03	1.88E-03	6.56E-03
CF	ONS-3	259210018	8/18/2010	I-131	-1.80E-03	2.46E-03	6.53E-03
CF	ONS-4	259210019	8/18/2010	I-131	-1.59E-03	1.99E-03	6.03E-03
CF	ONS-5	259210020	8/18/2010	I-131	1.12E-03	2.38E-03	8.14E-03
CF	ONS-6	259210021	8/18/2010	I-131	-5.27E-04	1.82E-03	5.93E-03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
CF	NBF	259725012	8/25/2010	I-131	2.48E-03	2.09E-03	7.54E-03
CF	SBN	259725013	8/25/2010	I-131	-1.02E-03	2.85E-03	9.18E-03
CF	DOW	259725014	8/25/2010	I-131	-3.19E-03	1.94E-03	5.64E-03
CF	COL	259725015	8/25/2010	I-131	1.75E-03	2.43E-03	8.19E-03
CF	ONS-1	259725016	8/25/2010	I-131	-6.81E-04	1.92E-03	6.29E-03
CF	ONS-2	259725017	8/25/2010	I-131	-4.24E-04	2.78E-03	9.07E-03
CF	ONS-3	259725018	8/25/2010	I-131	1.14E-03	2.44E-03	8.24E-03
CF	ONS-4	259725019	8/25/2010	I-131	-1.31E-05	2.34E-03	7.70E-03
CF	ONS-5	259725020	8/25/2010	I-131	3.36E-03	2.00E-03	7.41E-03
CF	ONS-6	259725021	8/25/2010	I-131	8.66E-04	2.47E-03	8.33E-03
CF	NBF	260207012	9/1/2010	I-131	-1.20E-03	2.57E-03	8.07E-03
CF	SBN	260207013	9/1/2010	I-131	-1.91E-03	2.07E-03	6.49E-03
CF	DOW	260207014	9/1/2010	I-131	-1.79E-03	2.76E-03	8.70E-03
CF	COL	260207015	9/1/2010	I-131	-7.34E-05	1.52E-03	4.97E-03
CF	ONS-1	260207016	9/1/2010	I-131	-4.67E-03	3.45E-03	1.02E-02
CF	ONS-2	260207017	9/1/2010	I-131	5.78E-03	2.34E-03	8.97E-03
CF	ONS-3	260207018	9/1/2010	I-131	-5.09E-03	3.12E-03	9.07E-03
CF	ONS-4	260207019	9/1/2010	I-131	2.50E-03	2.66E-03	9.21E-03
CF	ONS-5	260207020	9/1/2010	I-131	1.69E-03	2.29E-03	8.02E-03
CF	ONS-6	260207021	9/1/2010	I-131	-2.74E-03	2.30E-03	7.04E-03
CF	NBF	260507012	9/8/2010	I-131	1.02E-03	2.98E-03	9.98E-03
CF	SBN	260507013	9/8/2010	I-131	3.11E-03	2.16E-03	7.97E-03
CF	DOW	260507014	9/8/2010	I-131	1.70E-03	3.04E-03	1.03E-02
CF	COL	260507015	9/8/2010	I-131	2.11E-03	2.20E-03	7.72E-03
CF	ONS-1	260507016	9/8/2010	I-131	4.86E-04	2.88E-03	9.33E-03
CF	ONS-2	260507017	9/8/2010	I-131	-6.45E-05	2.20E-03	7.22E-03
CF	ONS-3	260507018	9/8/2010	I-131	4.08E-04	1.91E-03	6.19E-03
CF	ONS-4	260507019	9/8/2010	I-131	-9.21E-04	2.70E-03	8.57E-03
CF	ONS-5	260507020	9/8/2010	I-131	-1.16E-03	2.28E-03	7.33E-03
CF	ONS-6	260507021	9/8/2010	I-131	2.35E-03	3.26E-03	1.13E-02
CF	NBF	261007012	9/15/2010	I-131	1.40E-03	2.91E-03	9.89E-03
CF	SBN	261007013	9/15/2010	I-131	6.75E-04	2.37E-03	7.71E-03
CF	DOW	261007014	9/15/2010	I-131	-5.44E-03	4.11E-03	1.24E-02

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
CF	COL	261007015	9/15/2010	I-131	4.11E-03	2.45E-03	9.18E-03
CF	ONS-1	261007016	9/15/2010	I-131	-4.88E-03	2.96E-03	8.89E-03
CF	ONS-2	261007017	9/15/2010	I-131	-3.76E-03	2.77E-03	8.09E-03
CF	ONS-3	261007018	9/15/2010	I-131	1.95E-03	3.10E-03	1.06E-02
CF	ONS-4	261007019	9/15/2010	I-131	-2.66E-03	3.13E-03	9.58E-03
CF	ONS-5	261007020	9/15/2010	I-131	-5.59E-03	3.73E-03	1.07E-02
CF	ONS-6	261007021	9/15/2010	I-131	2.92E-03	2.77E-03	9.91E-03
CF	NBF	261434012	9/22/2010	I-131	1.72E-03	2.90E-03	9.88E-03
CF	SBN	261434013	9/22/2010	I-131	5.06E-04	2.20E-03	7.15E-03
CF	DOW	261434014	9/22/2010	I-131	-9.95E-04	2.54E-03	8.22E-03
CF	COL	261434015	9/22/2010	I-131	6.87E-04	2.07E-03	7.19E-03
CF	ONS-1	261434016	9/22/2010	I-131	1.79E-03	3.10E-03	1.08E-02
CF	ONS-2	261434017	9/22/2010	I-131	3.58E-03	3.50E-03	1.23E-02
CF	ONS-3	261434018	9/22/2010	I-131	-4.54E-03	2.84E-03	7.98E-03
CF	ONS-4	261434019	9/22/2010	I-131	-5.58E-04	2.41E-03	7.48E-03
CF	ONS-5	261434020	9/22/2010	I-131	-1.63E-03	2.25E-03	7.01E-03
CF	ONS-6	261434021	9/22/2010	I-131	-1.46E-03	2.81E-03	9.11E-03
CF	NBF	261898012	9/29/2010	I-131	4.34E-05	2.34E-03	7.80E-03
CF	SBN	261898013	9/29/2010	I-131	-2.94E-04	2.79E-03	9.15E-03
CF	DOW	261898014	9/29/2010	I-131	-3.16E-04	2.04E-03	6.55E-03
CF	COL	261898015	9/29/2010	I-131	-3.71E-03	2.33E-03	6.53E-03
CF	ONS-1	261898016	9/29/2010	I-131	4.55E-03	3.26E-03	1.15E-02
CF	ONS-2	261898017	9/29/2010	I-131	-4.67E-04	2.16E-03	7.13E-03
CF	ONS-3	261898018	9/29/2010	I-131	-2.27E-03	2.85E-03	8.90E-03
CF	ONS-4	261898019	9/29/2010	I-131	-1.02E-03	2.61E-03	8.09E-03
CF	ONS-5	261898020	9/29/2010	I-131	-3.10E-03	2.86E-03	8.56E-03
CF	ONS-6	261898021	9/29/2010	I-131	-8.88E-04	2.34E-03	7.54E-03
CF	NBF	264064012	10/6/2010	I-131	4.42E-04	2.30E-03	7.77E-03
CF	SBN	264064013	10/6/2010	I-131	-2.41E-03	3.16E-03	9.94E-03
CF	DOW	264064014	10/6/2010	I-131	3.08E-03	2.60E-03	9.51E-03
CF	COL	264064015	10/6/2010	I-131	1.55E-03	1.66E-03	5.92E-03
CF	ONS-1	264064016	10/6/2010	I-131	1.23E-03	2.24E-03	7.48E-03
CF	ONS-2	264064017	10/6/2010	I-131	1.30E-03	2.13E-03	7.27E-03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE		CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
			DATE	NUCLIDE			
CF	ONS-3	264064018	10/6/2010	I-131	-1.73E-03	2.47E-03	7.91E-03
CF	ONS-4	264064019	10/6/2010	I-131	3.03E-03	1.84E-03	6.93E-03
CF	ONS-5	264064020	10/6/2010	I-131	3.97E-03	2.21E-03	8.33E-03
CF	ONS-6	264064021	10/6/2010	I-131	1.97E-05	2.61E-03	8.61E-03
CF	NBF	264797012	10/13/2010	I-131	3.35E-04	2.29E-03	7.54E-03
CF	SBN	264797013	10/13/2010	I-131	-2.96E-03	2.92E-03	9.01E-03
CF	DOW	264797014	10/13/2010	I-131	5.72E-04	1.72E-03	5.90E-03
CF	COL	264797015	10/13/2010	I-131	2.34E-03	2.71E-03	9.50E-03
CF	ONS-1	264797016	10/13/2010	I-131	1.69E-03	1.88E-03	6.78E-03
CF	ONS-2	264797017	10/13/2010	I-131	-1.95E-04	2.58E-03	8.57E-03
CF	ONS-3	264797018	10/13/2010	I-131	3.07E-03	1.89E-03	6.94E-03
CF	ONS-4	264797019	10/13/2010	I-131	1.63E-03	2.14E-03	7.29E-03
CF	ONS-5	264797020	10/13/2010	I-131	3.46E-03	2.05E-03	7.54E-03
CF	ONS-6	264797021	10/13/2010	I-131	3.29E-04	1.96E-03	6.71E-03
CF	NBF	265243012	10/20/2010	I-131	-9.63E-04	2.10E-03	6.89E-03
CF	SBN	265243013	10/20/2010	I-131	-4.75E-04	2.70E-03	8.53E-03
CF	DOW	265243014	10/20/2010	I-131	3.88E-03	2.12E-03	7.86E-03
CF	COL	265243015	10/20/2010	I-131	2.09E-03	2.39E-03	8.27E-03
CF	ONS-1	265243016	10/20/2010	I-131	5.99E-04	2.06E-03	7.06E-03
CF	ONS-2	265243017	10/20/2010	I-131	-1.24E-03	2.81E-03	8.80E-03
CF	ONS-3	265243018	10/20/2010	I-131	6.49E-04	2.76E-03	9.11E-03
CF	ONS-4	265243019	10/20/2010	I-131	8.08E-04	2.12E-03	7.14E-03
CF	ONS-5	265243020	10/20/2010	I-131	-4.48E-04	1.96E-03	6.07E-03
CF	ONS-6	265243021	10/20/2010	I-131	1.86E-03	2.05E-03	7.23E-03
CF	NBF	265751012	10/27/2010	I-131	1.97E-03	2.41E-03	8.30E-03
CF	SBN	265751013	10/27/2010	I-131	3.57E-03	2.77E-03	9.91E-03
CF	DOW	265751014	10/27/2010	I-131	-1.12E-03	2.34E-03	7.43E-03
CF	COL	265751015	10/27/2010	I-131	-1.67E-03	2.86E-03	8.88E-03
CF	ONS-1	265751016	10/27/2010	I-131	1.99E-04	2.42E-03	7.96E-03
CF	ONS-2	265751017	10/27/2010	I-131	1.59E-03	3.15E-03	1.06E-02
CF	ONS-3	265751018	10/27/2010	I-131	3.54E-04	2.18E-03	7.18E-03
CF	ONS-4	265751019	10/27/2010	I-131	-3.24E-04	1.83E-03	5.70E-03
CF	ONS-5	265751020	10/27/2010	I-131	-1.71E-03	2.31E-03	7.04E-03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
CF	ONS-6	265751021	10/27/2010	I-131	4.10E-03	2.19E-03	8.19E-03
CF	NBF	266464012	11/3/2010	I-131	1.20E-04	2.75E-03	9.28E-03
CF	SBN	266464013	11/3/2010	I-131	-7.94E-05	2.73E-03	8.99E-03
CF	DOW	266464014	11/3/2010	I-131	-3.47E-03	2.43E-03	7.05E-03
CF	COL	266464015	11/3/2010	I-131	2.96E-03	2.35E-03	8.51E-03
CF	ONS-1	266464016	11/3/2010	I-131	1.86E-03	2.21E-03	7.71E-03
CF	ONS-2	266464017	11/3/2010	I-131	-3.46E-03	2.04E-03	5.84E-03
CF	ONS-3	266464018	11/3/2010	I-131	-2.04E-04	2.28E-03	7.38E-03
CF	ONS-4	266464019	11/3/2010	I-131	-2.16E-03	2.01E-03	5.72E-03
CF	ONS-5	266464020	11/3/2010	I-131	-4.74E-03	2.79E-03	7.83E-03
CF	ONS-6	266464021	11/3/2010	I-131	-1.55E-04	1.90E-03	6.29E-03
CF	NBF	266965012	11/10/2010	I-131	3.57E-04	2.40E-03	8.15E-03
CF	SBN	266965013	11/10/2010	I-131	2.19E-03	2.39E-03	8.66E-03
CF	DOW	266965014	11/10/2010	I-131	1.97E-03	1.89E-03	7.06E-03
CF	COL	266965015	11/10/2010	I-131	2.15E-03	2.70E-03	9.64E-03
CF	ONS-1	266965016	11/10/2010	I-131	2.00E-04	2.49E-03	8.42E-03
CF	ONS-2	266965017	11/10/2010	I-131	3.26E-03	2.29E-03	8.69E-03
CF	ONS-3	266965018	11/10/2010	I-131	-6.89E-03	2.22E-03	5.62E-03
CF	ONS-4	266965019	11/10/2010	I-131	-5.03E-03	2.60E-03	6.92E-03
CF	ONS-5	266965020	11/10/2010	I-131	-7.05E-04	2.22E-03	7.22E-03
CF	ONS-6	266965021	11/10/2010	I-131	-3.26E-03	2.68E-03	7.97E-03
CF	NBF	267376012	11/17/2010	I-131	3.12E-03	2.20E-03	7.91E-03
CF	SBN	267376013	11/17/2010	I-131	9.32E-04	2.26E-03	7.48E-03
CF	DOW	267376014	11/17/2010	I-131	-1.17E-03	2.23E-03	7.20E-03
CF	COL	267376015	11/17/2010	I-131	2.51E-03	2.69E-03	9.29E-03
CF	ONS-1	267376016	11/17/2010	I-131	2.71E-03	1.87E-03	6.92E-03
CF	ONS-2	267376017	11/17/2010	I-131	5.22E-04	1.84E-03	6.17E-03
CF	ONS-3	267376018	11/17/2010	I-131	-9.37E-04	1.93E-03	6.22E-03
CF	ONS-4	267376019	11/17/2010	I-131	-1.29E-03	2.71E-03	8.48E-03
CF	ONS-5	267376020	11/17/2010	I-131	-2.45E-04	2.18E-03	7.04E-03
CF	ONS-6	267376021	11/17/2010	I-131	-4.45E-03	1.97E-03	5.39E-03
CF	NBF	267644012	11/24/2010	I-131	1.95E-03	4.91E-03	1.74E-02
CF	SBN	267644013	11/24/2010	I-131	-4.06E-03	6.94E-03	2.16E-02

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
CF	DOW	267644014	11/24/2010	I-131	6.75E-04	8.99E-03	2.94E-02
CF	COL	267644015	11/24/2010	I-131	4.96E-03	9.06E-03	3.20E-02
CF	ONS-1	267644016	11/24/2010	I-131	2.71E-03	4.72E-03	1.78E-02
CF	ONS-2	267644017	11/24/2010	I-131	-1.08E-02	7.42E-03	1.81E-02
CF	ONS-3	267644018	11/24/2010	I-131	1.06E-03	8.83E-03	2.91E-02
CF	ONS-4	267644019	11/24/2010	I-131	4.13E-03	6.40E-03	2.32E-02
CF	ONS-5	267644020	11/24/2010	I-131	1.10E-02	6.74E-03	2.74E-02
CF	ONS-6	267644021	11/24/2010	I-131	-1.12E-02	7.69E-03	1.71E-02
CF	NBF	268058012	12/1/2010	I-131	7.51E-03	2.05E-03	8.66E-03 *
CF	SBN	268058013	12/1/2010	I-131	1.91E-04	2.88E-03	9.42E-03
CF	DOW	268058014	12/1/2010	I-131	-1.80E-04	2.30E-03	7.48E-03
CF	COL	268058015	12/1/2010	I-131	3.53E-04	2.46E-03	8.09E-03
CF	ONS-1	268058016	12/1/2010	I-131	3.72E-03	1.95E-03	7.55E-03
CF	ONS-2	268058017	12/1/2010	I-131	-2.52E-03	2.41E-03	7.20E-03
CF	ONS-3	268058018	12/1/2010	I-131	-1.81E-03	2.33E-03	7.38E-03
CF	ONS-4	268058019	12/1/2010	I-131	5.82E-05	2.23E-03	7.15E-03
CF	ONS-5	268058020	12/1/2010	I-131	-5.56E-04	2.70E-03	8.51E-03
CF	ONS-6	268058021	12/1/2010	I-131	-9.85E-04	1.86E-03	5.78E-03
CF	NBF	268443012	12/8/2010	I-131	-7.82E-03	5.75E-03	1.50E-02
CF	SBN	268443013	12/8/2010	I-131	2.97E-03	3.89E-03	1.48E-02
CF	DOW	268443014	12/8/2010	I-131	-8.68E-03	5.09E-03	1.08E-02
CF	COL	268443015	12/8/2010	I-131	-3.04E-03	5.95E-03	1.82E-02
CF	ONS-1	268443016	12/8/2010	I-131	3.24E-04	5.96E-03	1.95E-02
CF	ONS-2	268443017	12/8/2010	I-131	8.28E-03	3.40E-03	1.58E-02
CF	ONS-3	268443018	12/8/2010	I-131	2.17E-03	4.15E-03	1.51E-02
CF	ONS-4	268443019	12/8/2010	I-131	-2.35E-04	4.37E-03	1.41E-02
CF	ONS-5	268443020	12/8/2010	I-131	-4.15E-03	3.74E-03	9.88E-03
CF	ONS-6	268443021	12/8/2010	I-131	-2.87E-03	4.97E-03	1.55E-02
CF	NBF	268877012	12/15/2010	I-131	-6.99E-03	4.45E-03	9.02E-03
CF	SBN	268877013	12/15/2010	I-131	1.77E-03	3.64E-03	1.31E-02
CF	DOW	268877014	12/15/2010	I-131	-2.46E-03	4.46E-03	1.35E-02
CF	COL	268877015	12/15/2010	I-131	-5.08E-03	5.97E-03	1.72E-02
CF	ONS-1	268877016	12/15/2010	I-131	-3.01E-04	4.17E-03	1.34E-02

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)
CF	ONS-2	268877017	12/15/2010	I-131	-3.08E-03	4.24E-03	1.29E-02
CF	ONS-3	268877018	12/15/2010	I-131	-1.11E-03	4.08E-03	1.27E-02
CF	ONS-4	268877019	12/15/2010	I-131	2.66E-03	4.12E-03	1.49E-02
CF	ONS-6	268877021	12/15/2010	I-131	-1.51E-03	4.44E-03	1.34E-02
CF	NBF	269221012	12/22/2010	I-131	-5.62E-03	5.17E-03	1.43E-02
CF	SBN	269221013	12/22/2010	I-131	-2.32E-03	3.35E-03	1.00E-02
CF	DOW	269221014	12/22/2010	I-131	7.05E-03	5.55E-03	2.06E-02
CF	COL	269221015	12/22/2010	I-131	-4.59E-03	3.52E-03	8.43E-03
CF	ONS-1	269221016	12/22/2010	I-131	1.46E-04	4.70E-03	1.54E-02
CF	ONS-2	269221017	12/22/2010	I-131	-4.27E-04	5.16E-03	1.65E-02
CF	ONS-3	269221018	12/22/2010	I-131	6.52E-03	3.66E-03	1.54E-02
CF	ONS-4	269221019	12/22/2010	I-131	4.89E-03	4.71E-03	1.78E-02
CF	ONS-5	269221020	12/22/2010	I-131	4.89E-03	5.69E-03	2.09E-02
CF	ONS-6	269221021	12/22/2010	I-131	2.75E-05	2.77E-03	9.43E-03
CF	NBF	269410012	12/29/2010	I-131	3.82E-03	3.66E-03	1.35E-02
CF	SBN	269410013	12/29/2010	I-131	4.03E-03	3.54E-03	1.34E-02
CF	DOW	269410014	12/29/2010	I-131	1.00E-03	4.23E-03	1.42E-02
CF	COL	269410015	12/29/2010	I-131	7.59E-04	3.76E-03	1.26E-02
CF	ONS-1	269410016	12/29/2010	I-131	1.54E-03	4.78E-03	1.60E-02
CF	ONS-2	269410017	12/29/2010	I-131	1.69E-03	4.05E-03	1.38E-02
CF	ONS-3	269410018	12/29/2010	I-131	3.45E-03	2.55E-03	1.01E-02
CF	ONS-4	269410019	12/29/2010	I-131	-2.73E-04	3.57E-03	1.15E-02
CF	ONS-5	269410020	12/29/2010	I-131	-2.24E-03	3.18E-03	9.71E-03
CF	ONS-6	269410021	12/29/2010	I-131	-6.16E-04	3.42E-03	1.14E-02

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)  
+ Minimum Detectable Concentration > Lower Limit of Detection  
x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
FH	ONS-S	L16567-01	5/25/2010	AcTh-228	4.20E+01	3.40E+01	1.20E+02
FH	ONS-S	L16567-01	5/25/2010	Ag-108m	-5.80E+00	5.50E+00	2.20E+01
FH	ONS-S	L16567-01	5/25/2010	Ag-110m	9.00E+00	1.20E+01	4.40E+01
FH	ONS-S	L16567-01	5/25/2010	Ba-140	2.00E+01	3.00E+01	1.10E+02
FH	ONS-S	L16567-01	5/25/2010	Be-7	0.00E+00	7.90E+01	2.90E+02
FH	ONS-S	L16567-01	5/25/2010	Ce-141	-1.70E+01	1.20E+01	4.40E+01
FH	ONS-S	L16567-01	5/25/2010	Ce-144	-1.00E+01	3.20E+01	1.20E+02
FH	ONS-S	L16567-01	5/25/2010	Co-57	1.90E+00	4.40E+00	1.50E+01
FH	ONS-S	L16567-01	5/25/2010	Co-58	4.60E+00	8.60E+00	3.20E+01
FH	ONS-S	L16567-01	5/25/2010	Co-60	-7.50E+00	7.60E+00	3.50E+01
FH	ONS-S	L16567-01	5/25/2010	Cr-51	7.00E+00	7.30E+01	2.70E+02
FH	ONS-S	L16567-01	5/25/2010	Cs-134	4.40E+00	6.40E+00	2.90E+01
FH	ONS-S	L16567-01	5/25/2010	Cs-137	7.20E+00	9.10E+00	3.20E+01
FH	ONS-S	L16567-01	5/25/2010	Fe-59	2.70E+01	2.20E+01	7.40E+01
FH	ONS-S	L16567-01	5/25/2010	I-131	1.40E+01	2.50E+01	8.90E+01
FH	ONS-S	L16567-01	5/25/2010	K-40	3.19E+03	3.00E+02	4.80E+02 *
FH	ONS-S	L16567-01	5/25/2010	La-140	2.00E+01	3.00E+01	1.10E+02
FH	ONS-S	L16567-01	5/25/2010	Mn-54	-2.00E+00	7.50E+00	3.00E+01
FH	ONS-S	L16567-01	5/25/2010	Nb-95	-9.00E+00	1.00E+01	4.20E+01
FH	ONS-S	L16567-01	5/25/2010	Ru-103	8.70E+00	7.90E+00	2.70E+01
FH	ONS-S	L16567-01	5/25/2010	Ru-106	-9.00E+01	9.40E+01	3.60E+02
FH	ONS-S	L16567-01	5/25/2010	Sb-124	1.30E+01	1.80E+01	6.90E+01
FH	ONS-S	L16567-01	5/25/2010	Sb-125	-3.00E+00	2.00E+01	7.50E+01
FH	ONS-S	L16567-01	5/25/2010	Se-75	-4.00E-01	8.20E+00	3.00E+01
FH	ONS-S	L16567-01	5/25/2010	Zn-65	-1.20E+01	2.00E+01	8.00E+01
FH	ONS-S	L16567-01	5/25/2010	Zr-95	-2.20E+01	1.60E+01	6.70E+01
FH	OFS-S	L16567-02	5/25/2010	AcTh-228	-3.90E+01	2.60E+01	1.00E+02
FH	OFS-S	L16567-02	5/25/2010	Ag-108m	-8.30E+00	6.70E+00	2.50E+01
FH	OFS-S	L16567-02	5/25/2010	Ag-110m	-1.14E+01	9.00E+00	3.60E+01
FH	OFS-S	L16567-02	5/25/2010	Ba-140	7.00E+00	1.90E+01	7.10E+01
FH	OFS-S	L16567-02	5/25/2010	Be-7	8.10E+01	6.30E+01	2.10E+02
FH	OFS-S	L16567-02	5/25/2010	Ce-141	0.00E+00	1.10E+01	4.00E+01
FH	OFS-S	L16567-02	5/25/2010	Ce-144	-3.40E+01	3.60E+01	1.30E+02
FH	OFS-S	L16567-02	5/25/2010	Co-57	-3.00E+00	4.80E+00	1.70E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
FH	OFS-S	L16567-02	5/25/2010	Co-58	-6.50E+00	8.10E+00	3.10E+01
FH	OFS-S	L16567-02	5/25/2010	Co-60	-1.40E+00	7.50E+00	2.90E+01
FH	OFS-S	L16567-02	5/25/2010	Cr-51	5.60E+01	7.10E+01	2.40E+02
FH	OFS-S	L16567-02	5/25/2010	Cs-134	-1.70E+00	5.70E+00	2.60E+01
FH	OFS-S	L16567-02	5/25/2010	Cs-137	-7.50E+00	8.00E+00	3.00E+01
FH	OFS-S	L16567-02	5/25/2010	Fe-59	-6.00E+00	1.70E+01	6.50E+01
FH	OFS-S	L16567-02	5/25/2010	I-131	3.80E+01	2.30E+01	7.50E+01
FH	OFS-S	L16567-02	5/25/2010	K-40	2.81E+03	2.20E+02	3.70E+02 *
FH	OFS-S	L16567-02	5/25/2010	La-140	7.00E+00	1.90E+01	7.10E+01
FH	OFS-S	L16567-02	5/25/2010	Mn-54	2.00E+00	7.10E+00	2.60E+01
FH	OFS-S	L16567-02	5/25/2010	Nb-95	2.00E+00	1.00E+01	3.60E+01
FH	OFS-S	L16567-02	5/25/2010	Ru-103	-3.80E+00	8.90E+00	3.30E+01
FH	OFS-S	L16567-02	5/25/2010	Ru-106	-2.10E+01	6.00E+01	2.20E+02
FH	OFS-S	L16567-02	5/25/2010	Sb-124	-2.70E+01	1.60E+01	7.20E+01
FH	OFS-S	L16567-02	5/25/2010	Sb-125	-3.80E+01	2.00E+01	7.70E+01
FH	OFS-S	L16567-02	5/25/2010	Se-75	1.50E+00	9.30E+00	3.30E+01
FH	OFS-S	L16567-02	5/25/2010	Zn-65	-1.30E+01	1.50E+01	6.10E+01
FH	OFS-S	L16567-02	5/25/2010	Zr-95	-1.90E+01	1.40E+01	5.40E+01
FH	OFS-N	L16567-03	5/25/2010	AcTh-228	-5.00E+01	3.10E+01	1.40E+02
FH	OFS-N	L16567-03	5/25/2010	Ag-108m	-7.90E+00	7.00E+00	2.80E+01
FH	OFS-N	L16567-03	5/25/2010	Ag-110m	1.20E+01	1.30E+01	4.60E+01
FH	OFS-N	L16567-03	5/25/2010	Ba-140	0.00E+00	2.70E+01	1.10E+02
FH	OFS-N	L16567-03	5/25/2010	Be-7	7.70E+01	7.90E+01	2.70E+02
FH	OFS-N	L16567-03	5/25/2010	Ce-141	-2.40E+01	1.10E+01	4.50E+01
FH	OFS-N	L16567-03	5/25/2010	Ce-144	-1.60E+01	3.60E+01	1.30E+02
FH	OFS-N	L16567-03	5/25/2010	Co-57	-4.40E+00	4.80E+00	1.80E+01
FH	OFS-N	L16567-03	5/25/2010	Co-58	-9.00E+00	1.20E+01	4.70E+01
FH	OFS-N	L16567-03	5/25/2010	Co-60	-6.90E+00	8.00E+00	3.70E+01
FH	OFS-N	L16567-03	5/25/2010	Cr-51	1.80E+01	8.40E+01	3.00E+02
FH	OFS-N	L16567-03	5/25/2010	Cs-134	6.80E+00	6.80E+00	2.90E+01
FH	OFS-N	L16567-03	5/25/2010	Cs-137	-8.00E+00	1.20E+01	4.40E+01
FH	OFS-N	L16567-03	5/25/2010	Fe-59	-3.00E+01	2.00E+01	9.00E+01
FH	OFS-N	L16567-03	5/25/2010	I-131	4.00E+01	2.40E+01	7.90E+01
FH	OFS-N	L16567-03	5/25/2010	K-40	2.27E+03	2.80E+02	5.20E+02 *

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
FH	OFS-N	L16567-03	5/25/2010	La-140	0.00E+00	2.70E+01	1.10E+02
FH	OFS-N	L16567-03	5/25/2010	Mn-54	1.60E+00	9.20E+00	3.50E+01
FH	OFS-N	L16567-03	5/25/2010	Nb-95	-1.10E+01	1.10E+01	4.60E+01
FH	OFS-N	L16567-03	5/25/2010	Ru-103	-3.30E+00	9.10E+00	3.50E+01
FH	OFS-N	L16567-03	5/25/2010	Ru-106	-7.20E+01	8.30E+01	3.30E+02
FH	OFS-N	L16567-03	5/25/2010	Sb-124	-3.10E+01	2.40E+01	1.20E+02
FH	OFS-N	L16567-03	5/25/2010	Sb-125	7.00E+00	2.40E+01	8.80E+01
FH	OFS-N	L16567-03	5/25/2010	Se-75	-3.00E+00	1.00E+01	3.70E+01
FH	OFS-N	L16567-03	5/25/2010	Zn-65	-9.00E+00	2.30E+01	9.00E+01
FH	OFS-N	L16567-03	5/25/2010	Zr-95	-7.00E+00	2.30E+01	8.60E+01
FH	ONS-N	L16567-04	5/25/2010	AcTh-228	9.20E+01	5.50E+01	1.70E+02
FH	ONS-N	L16567-04	5/25/2010	Ag-108m	-2.20E+01	1.40E+01	5.90E+01
FH	ONS-N	L16567-04	5/25/2010	Ag-110m	-4.00E+00	2.60E+01	1.10E+02
FH	ONS-N	L16567-04	5/25/2010	Ba-140	0.00E+00	4.20E+01	1.90E+02
FH	ONS-N	L16567-04	5/25/2010	Be-7	0.00E+00	1.40E+02	5.60E+02
FH	ONS-N	L16567-04	5/25/2010	Ce-141	-2.60E+01	1.90E+01	7.80E+01
FH	ONS-N	L16567-04	5/25/2010	Ce-144	7.10E+01	5.90E+01	2.00E+02
FH	ONS-N	L16567-04	5/25/2010	Co-57	-4.20E+00	6.40E+00	2.60E+01
FH	ONS-N	L16567-04	5/25/2010	Co-58	-1.00E+01	1.70E+01	7.40E+01
FH	ONS-N	L16567-04	5/25/2010	Co-60	1.80E+01	1.40E+01	4.90E+01
FH	ONS-N	L16567-04	5/25/2010	Cr-51	-7.00E+01	1.20E+02	5.00E+02
FH	ONS-N	L16567-04	5/25/2010	Cs-134	1.40E+01	1.10E+01	4.70E+01
FH	ONS-N	L16567-04	5/25/2010	Cs-137	1.30E+01	1.30E+01	4.60E+01
FH	ONS-N	L16567-04	5/25/2010	Fe-59	-2.40E+01	3.80E+01	1.70E+02
FH	ONS-N	L16567-04	5/25/2010	I-131	-5.10E+01	3.00E+01	1.50E+02
FH	ONS-N	L16567-04	5/25/2010	K-40	2.04E+03	3.70E+02	5.60E+02 *
FH	ONS-N	L16567-04	5/25/2010	La-140	0.00E+00	4.20E+01	1.90E+02
FH	ONS-N	L16567-04	5/25/2010	Mn-54	1.50E+01	1.30E+01	4.30E+01
FH	ONS-N	L16567-04	5/25/2010	Nb-95	-1.10E+01	1.90E+01	8.20E+01
FH	ONS-N	L16567-04	5/25/2010	Ru-103	-1.60E+01	1.60E+01	6.90E+01
FH	ONS-N	L16567-04	5/25/2010	Ru-106	0.00E+00	1.30E+02	5.20E+02
FH	ONS-N	L16567-04	5/25/2010	Sb-124	0.00E+00	4.50E+01	2.00E+02
FH	ONS-N	L16567-04	5/25/2010	Sb-125	-1.60E+01	3.50E+01	1.40E+02
FH	ONS-N	L16567-04	5/25/2010	Se-75	1.40E+01	1.80E+01	6.40E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
FH	ONS-N	L16567-04	5/25/2010	Zn-65	2.20E+01	3.50E+01	1.30E+02
FH	ONS-N	L16567-04	5/25/2010	Zr-95	-2.50E+01	2.90E+01	1.30E+02
FH	OFS-N	261901001	9/29/2010	Ac-228	-1.71E+01	1.53E+01	4.76E+01
FH	OFS-N	261901001	9/29/2010	Ag-108m	-1.94E+00	2.69E+00	8.25E+00
FH	OFS-N	261901001	9/29/2010	Ag-110m	-5.59E+00	4.47E+00	1.28E+01
FH	OFS-N	261901001	9/29/2010	Ba-140	1.87E+01	1.85E+01	6.51E+01
FH	OFS-N	261901001	9/29/2010	Be-7	-3.28E+01	2.77E+01	8.74E+01
FH	OFS-N	261901001	9/29/2010	Ce-141	-5.17E-01	5.39E+00	1.72E+01
FH	OFS-N	261901001	9/29/2010	Ce-144	4.47E+00	1.79E+01	5.81E+01
FH	OFS-N	261901001	9/29/2010	Co-57	-8.53E-01	2.34E+00	7.44E+00
FH	OFS-N	261901001	9/29/2010	Co-58	-1.20E+00	3.08E+00	9.67E+00
FH	OFS-N	261901001	9/29/2010	Co-60	-1.49E+00	3.94E+00	1.24E+01
FH	OFS-N	261901001	9/29/2010	Cr-51	1.20E+01	3.06E+01	1.03E+02
FH	OFS-N	261901001	9/29/2010	Cs-134	-2.91E+00	4.33E+00	1.34E+01
FH	OFS-N	261901001	9/29/2010	Cs-137	-1.34E+00	3.20E+00	1.03E+01
FH	OFS-N	261901001	9/29/2010	Fe-59	-1.14E+01	7.25E+00	2.06E+01
FH	OFS-N	261901001	9/29/2010	I-131	-5.41E+00	7.37E+00	2.30E+01
FH	OFS-N	261901001	9/29/2010	K-40	2.87E+03	2.01E+02	1.18E+02 *
FH	OFS-N	261901001	9/29/2010	La-140	4.18E+00	5.51E+00	2.02E+01
FH	OFS-N	261901001	9/29/2010	Mn-54	-3.30E+00	3.58E+00	1.08E+01
FH	OFS-N	261901001	9/29/2010	Nb-95	-5.35E+00	3.08E+00	8.48E+00
FH	OFS-N	261901001	9/29/2010	Ru-103	-7.20E+00	3.22E+00	9.20E+00
FH	OFS-N	261901001	9/29/2010	Ru-106	-1.95E+01	2.66E+01	8.39E+01
FH	OFS-N	261901001	9/29/2010	Sb-124	1.14E+01	7.31E+00	2.89E+01
FH	OFS-N	261901001	9/29/2010	Sb-125	8.01E-01	7.91E+00	2.56E+01
FH	OFS-N	261901001	9/29/2010	Se-75	-1.72E+00	3.89E+00	1.27E+01
FH	OFS-N	261901001	9/29/2010	Th-228	-1.02E+00	5.95E+00	1.97E+01
FH	OFS-N	261901001	9/29/2010	Zn-65	8.05E-01	8.38E+00	2.80E+01
FH	OFS-N	261901001	9/29/2010	Zr-95	-5.42E+00	5.76E+00	1.74E+01
FH	ONS-N	261901002	9/29/2010	Ac-228	1.16E+00	1.22E+01	3.80E+01
FH	ONS-N	261901002	9/29/2010	Ag-108m	2.56E+00	2.10E+00	7.25E+00
FH	ONS-N	261901002	9/29/2010	Ag-110m	-1.41E+00	3.73E+00	1.18E+01
FH	ONS-N	261901002	9/29/2010	Ba-140	4.56E-01	1.64E+01	5.52E+01
FH	ONS-N	261901002	9/29/2010	Be-7	3.29E+01	2.07E+01	7.29E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
FH	ONS-N	261901002	9/29/2010	Ce-141	2.31E+00	4.08E+00	1.33E+01
FH	ONS-N	261901002	9/29/2010	Ce-144	1.94E+01	1.37E+01	4.60E+01
FH	ONS-N	261901002	9/29/2010	Co-57	-3.15E-01	1.78E+00	5.73E+00
FH	ONS-N	261901002	9/29/2010	Co-58	-1.81E+00	2.51E+00	7.70E+00
FH	ONS-N	261901002	9/29/2010	Co-60	-1.43E+00	3.18E+00	1.01E+01
FH	ONS-N	261901002	9/29/2010	Cr-51	6.78E+00	2.42E+01	8.08E+01
FH	ONS-N	261901002	9/29/2010	Cs-134	2.47E+00	3.26E+00	1.12E+01
FH	ONS-N	261901002	9/29/2010	Cs-137	7.04E+00	2.80E+00	1.05E+01
FH	ONS-N	261901002	9/29/2010	Fe-59	2.65E+00	6.82E+00	2.34E+01
FH	ONS-N	261901002	9/29/2010	I-131	2.22E+00	5.89E+00	1.97E+01
FH	ONS-N	261901002	9/29/2010	K-40	2.46E+03	1.67E+02	5.76E+01 *
FH	ONS-N	261901002	9/29/2010	La-140	5.76E+00	4.50E+00	1.71E+01
FH	ONS-N	261901002	9/29/2010	Mn-54	-2.20E+00	2.71E+00	8.31E+00
FH	ONS-N	261901002	9/29/2010	Nb-95	1.94E+00	2.80E+00	9.62E+00
FH	ONS-N	261901002	9/29/2010	Ru-103	-3.22E+00	2.82E+00	8.33E+00
FH	ONS-N	261901002	9/29/2010	Ru-106	1.86E+00	2.45E+01	8.21E+01
FH	ONS-N	261901002	9/29/2010	Sb-124	4.99E+00	4.96E+00	1.89E+01
FH	ONS-N	261901002	9/29/2010	Sb-125	-5.73E+00	6.60E+00	2.03E+01
FH	ONS-N	261901002	9/29/2010	Se-75	-1.22E+00	2.96E+00	9.70E+00
FH	ONS-N	261901002	9/29/2010	Th-228	-2.63E+00	4.69E+00	1.58E+01
FH	ONS-N	261901002	9/29/2010	Zn-65	-6.32E+00	7.65E+00	2.43E+01
FH	ONS-N	261901002	9/29/2010	Zr-95	4.95E+00	5.09E+00	1.78E+01
FH	ONS-S	261901003	9/29/2010	Ac-228	2.82E+01	1.81E+01	6.62E+01
FH	ONS-S	261901003	9/29/2010	Ag-108m	6.57E-01	2.74E+00	9.04E+00
FH	ONS-S	261901003	9/29/2010	Ag-110m	-6.25E+00	5.94E+00	1.71E+01
FH	ONS-S	261901003	9/29/2010	Ba-140	4.91E+01	3.90E+01	1.40E+02
FH	ONS-S	261901003	9/29/2010	Be-7	3.25E+01	3.90E+01	1.33E+02
FH	ONS-S	261901003	9/29/2010	Ce-141	-3.99E+00	7.41E+00	2.31E+01
FH	ONS-S	261901003	9/29/2010	Ce-144	2.35E+01	1.98E+01	6.75E+01
FH	ONS-S	261901003	9/29/2010	Co-57	-5.63E+00	2.85E+00	8.25E+00
FH	ONS-S	261901003	9/29/2010	Co-58	2.70E+00	4.53E+00	1.57E+01
FH	ONS-S	261901003	9/29/2010	Co-60	6.08E+00	3.82E+00	1.52E+01
FH	ONS-S	261901003	9/29/2010	Cr-51	-6.86E+01	4.35E+01	1.28E+02
FH	ONS-S	261901003	9/29/2010	Cs-134	8.88E-01	4.18E+00	1.40E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
FH	ONS-S	261901003	9/29/2010	Cs-137	1.04E+01	4.07E+00	1.61E+01
FH	ONS-S	261901003	9/29/2010	Fe-59	-2.88E+00	1.13E+01	3.69E+01
FH	ONS-S	261901003	9/29/2010	I-131	5.05E+00	1.95E+01	6.48E+01
FH	ONS-S	261901003	9/29/2010	K-40	3.29E+03	2.50E+02	9.90E+01 *
FH	ONS-S	261901003	9/29/2010	La-140	1.08E+01	1.35E+01	4.90E+01
FH	ONS-S	261901003	9/29/2010	Mn-54	4.78E-01	3.63E+00	1.20E+01
FH	ONS-S	261901003	9/29/2010	Nb-95	-1.08E+00	3.95E+00	1.26E+01
FH	ONS-S	261901003	9/29/2010	Ru-103	-4.83E+00	4.96E+00	1.45E+01
FH	ONS-S	261901003	9/29/2010	Ru-106	-5.86E-01	3.49E+01	1.16E+02
FH	ONS-S	261901003	9/29/2010	Sb-124	4.64E-01	6.83E+00	2.33E+01
FH	ONS-S	261901003	9/29/2010	Sb-125	-6.34E+00	8.43E+00	2.53E+01
FH	ONS-S	261901003	9/29/2010	Se-75	-1.27E+00	4.27E+00	1.40E+01
FH	ONS-S	261901003	9/29/2010	Th-228	-5.91E+00	6.19E+00	2.14E+01
FH	ONS-S	261901003	9/29/2010	Zn-65	3.26E+00	1.15E+01	3.94E+01
FH	ONS-S	261901003	9/29/2010	Zr-95	-7.22E+00	8.52E+00	2.57E+01
FH	OFS-S	261901004	9/29/2010	Ac-228	8.47E+00	1.11E+01	3.76E+01
FH	OFS-S	261901004	9/29/2010	Ag-108m	-3.14E+00	2.02E+00	6.22E+00
FH	OFS-S	261901004	9/29/2010	Ag-110m	-2.14E+00	4.00E+00	1.25E+01
FH	OFS-S	261901004	9/29/2010	Ba-140	3.98E+01	1.79E+01	6.29E+01
FH	OFS-S	261901004	9/29/2010	Be-7	-2.49E+01	2.40E+01	7.59E+01
FH	OFS-S	261901004	9/29/2010	Ce-141	-3.57E+00	4.25E+00	1.36E+01
FH	OFS-S	261901004	9/29/2010	Ce-144	-4.56E+00	1.41E+01	4.64E+01
FH	OFS-S	261901004	9/29/2010	Co-57	7.17E-01	1.85E+00	6.25E+00
FH	OFS-S	261901004	9/29/2010	Co-58	1.37E+00	2.70E+00	9.12E+00
FH	OFS-S	261901004	9/29/2010	Co-60	2.03E+00	3.25E+00	1.13E+01
FH	OFS-S	261901004	9/29/2010	Cr-51	3.14E+01	2.72E+01	9.22E+01
FH	OFS-S	261901004	9/29/2010	Cs-134	-1.37E-01	2.88E+00	9.36E+00
FH	OFS-S	261901004	9/29/2010	Cs-137	2.65E+01	4.17E+00	8.66E+00 *
FH	OFS-S	261901004	9/29/2010	Fe-59	-3.47E+00	7.44E+00	2.42E+01
FH	OFS-S	261901004	9/29/2010	I-131	1.26E+01	8.89E+00	3.03E+01
FH	OFS-S	261901004	9/29/2010	K-40	3.02E+03	1.89E+02	1.01E+02 *
FH	OFS-S	261901004	9/29/2010	La-140	1.13E+01	6.98E+00	2.63E+01
FH	OFS-S	261901004	9/29/2010	Mn-54	1.08E+00	3.01E+00	9.99E+00
FH	OFS-S	261901004	9/29/2010	Nb-95	-1.30E+00	2.62E+00	8.22E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
FH	OFS-S	261901004	9/29/2010	Ru-103	6.87E-01	2.53E+00	8.59E+00
FH	OFS-S	261901004	9/29/2010	Ru-106	1.48E+01	2.47E+01	8.42E+01
FH	OFS-S	261901004	9/29/2010	Sb-124	-6.88E+00	6.36E+00	1.76E+01
FH	OFS-S	261901004	9/29/2010	Sb-125	-2.75E+00	6.03E+00	1.98E+01
FH	OFS-S	261901004	9/29/2010	Se-75	-2.60E+00	3.06E+00	9.53E+00
FH	OFS-S	261901004	9/29/2010	Th-228	-2.13E+00	4.72E+00	1.50E+01
FH	OFS-S	261901004	9/29/2010	Zn-65	5.69E+00	7.24E+00	2.53E+01
FH	OFS-S	261901004	9/29/2010	Zr-95	1.80E+00	4.53E+00	1.52E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)  
+ Minimum Detectable Concentration > Lower Limit of Detection  
x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
SE	SL-2	L16425-01	4/16/2010	AcTh-228	1.31E+02	2.10E+01	7.80E+01	*
SE	SL-2	L16425-01	4/16/2010	Ag-108m	1.12E+01	4.00E+00	1.20E+01	
SE	SL-2	L16425-01	4/16/2010	Ag-110m	5.50E+00	7.00E+00	2.40E+01	
SE	SL-2	L16425-01	4/16/2010	Ba-140	4.30E+01	4.10E+01	1.40E+02	
SE	SL-2	L16425-01	4/16/2010	Be-7	6.00E+01	5.00E+01	1.70E+02	
SE	SL-2	L16425-01	4/16/2010	Ce-141	-1.15E+01	8.80E+00	3.20E+01	
SE	SL-2	L16425-01	4/16/2010	Ce-144	4.80E+01	3.00E+01	9.80E+01	
SE	SL-2	L16425-01	4/16/2010	Co-57	5.40E+00	3.70E+00	1.20E+01	
SE	SL-2	L16425-01	4/16/2010	Co-58	-1.40E+00	5.40E+00	2.00E+01	
SE	SL-2	L16425-01	4/16/2010	Co-60	-3.50E+00	4.90E+00	1.90E+01	
SE	SL-2	L16425-01	4/16/2010	Cr-51	7.50E+01	5.30E+01	1.80E+02	
SE	SL-2	L16425-01	4/16/2010	Cs-134	7.50E+00	5.50E+00	1.90E+01	
SE	SL-2	L16425-01	4/16/2010	Cs-137	1.16E+01	4.70E+00	1.40E+01	
SE	SL-2	L16425-01	4/16/2010	Fe-59	-7.00E+00	1.50E+01	5.70E+01	
SE	SL-2	L16425-01	4/16/2010	I-131	-2.80E+01	2.10E+01	7.80E+01	
SE	SL-2	L16425-01	4/16/2010	K-40	8.50E+03	2.80E+02	1.90E+02	*
SE	SL-2	L16425-01	4/16/2010	La-140	-2.00E+01	2.30E+01	8.60E+01	
SE	SL-2	L16425-01	4/16/2010	Mn-54	-6.40E+00	5.10E+00	2.00E+01	
SE	SL-2	L16425-01	4/16/2010	Nb-95	-1.17E+01	7.70E+00	2.90E+01	
SE	SL-2	L16425-01	4/16/2010	Ru-103	4.70E+00	5.90E+00	2.00E+01	
SE	SL-2	L16425-01	4/16/2010	Ru-106	1.60E+01	3.90E+01	1.40E+02	
SE	SL-2	L16425-01	4/16/2010	Sb-124	-4.10E+00	7.00E+00	3.20E+01	
SE	SL-2	L16425-01	4/16/2010	Sb-125	4.00E+00	1.30E+01	4.70E+01	
SE	SL-2	L16425-01	4/16/2010	Se-75	-1.05E+01	6.60E+00	2.40E+01	
SE	SL-2	L16425-01	4/16/2010	Zn-65	2.20E+01	2.70E+01	9.20E+01	
SE	SL-2	L16425-01	4/16/2010	Zr-95	-5.00E+00	1.00E+01	3.90E+01	
SE	SL-3	L16425-02	4/16/2010	AcTh-228	8.50E+01	4.30E+01	1.40E+02	
SE	SL-3	L16425-02	4/16/2010	Ag-108m	-2.10E+00	4.70E+00	1.80E+01	
SE	SL-3	L16425-02	4/16/2010	Ag-110m	3.40E+00	9.90E+00	3.60E+01	
SE	SL-3	L16425-02	4/16/2010	Ba-140	9.00E+00	4.40E+01	1.70E+02	
SE	SL-3	L16425-02	4/16/2010	Be-7	8.00E+00	6.00E+01	2.20E+02	
SE	SL-3	L16425-02	4/16/2010	Ce-141	8.00E+00	1.20E+01	4.00E+01	
SE	SL-3	L16425-02	4/16/2010	Ce-144	-4.40E+01	3.60E+01	1.30E+02	
SE	SL-3	L16425-02	4/16/2010	Co-57	-1.10E+00	3.60E+00	1.30E+01	

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
SE	SL-3	L16425-02	4/16/2010	Co-58	-2.50E+00	6.70E+00	2.60E+01
SE	SL-3	L16425-02	4/16/2010	Co-60	1.70E+00	8.80E+00	3.30E+01
SE	SL-3	L16425-02	4/16/2010	Cr-51	-4.00E+00	6.10E+01	2.20E+02
SE	SL-3	L16425-02	4/16/2010	Cs-134	5.50E+00	5.90E+00	2.70E+01
SE	SL-3	L16425-02	4/16/2010	Cs-137	1.60E+00	7.90E+00	2.90E+01
SE	SL-3	L16425-02	4/16/2010	Fe-59	-2.60E+01	2.20E+01	8.80E+01
SE	SL-3	L16425-02	4/16/2010	I-131	6.40E+01	2.20E+01	6.40E+01
SE	SL-3	L16425-02	4/16/2010	K-40	8.23E+03	3.80E+02	2.10E+02 *
SE	SL-3	L16425-02	4/16/2010	La-140	2.60E+01	3.10E+01	1.10E+02
SE	SL-3	L16425-02	4/16/2010	Mn-54	-1.37E+01	6.50E+00	2.80E+01
SE	SL-3	L16425-02	4/16/2010	Nb-95	-2.30E+01	8.80E+00	3.90E+01
SE	SL-3	L16425-02	4/16/2010	Ru-103	1.12E+01	6.90E+00	2.20E+01
SE	SL-3	L16425-02	4/16/2010	Ru-106	2.30E+01	5.80E+01	2.10E+02
SE	SL-3	L16425-02	4/16/2010	Sb-124	-1.40E+01	1.10E+01	6.00E+01
SE	SL-3	L16425-02	4/16/2010	Sb-125	-6.00E+00	1.60E+01	5.90E+01
SE	SL-3	L16425-02	4/16/2010	Se-75	8.00E-01	7.10E+00	2.50E+01
SE	SL-3	L16425-02	4/16/2010	Zn-65	1.50E+01	2.40E+01	8.30E+01
SE	SL-3	L16425-02	4/16/2010	Zr-95	1.30E+01	1.40E+01	4.90E+01
SE	SL-2	265802001	10/28/2010	Ac-228	9.84E+01	7.64E+01	2.88E+02
SE	SL-2	265802001	10/28/2010	Ag-108m	-9.17E+00	1.30E+01	4.28E+01
SE	SL-2	265802001	10/28/2010	Ag-110m	-1.21E+01	2.20E+01	7.11E+01
SE	SL-2	265802001	10/28/2010	Ba-140	1.38E+02	1.95E+02	7.00E+02
SE	SL-2	265802001	10/28/2010	Be-7	-3.40E+01	1.70E+02	5.76E+02
SE	SL-2	265802001	10/28/2010	Ce-141	1.62E+01	2.99E+01	1.08E+02
SE	SL-2	265802001	10/28/2010	Ce-144	1.67E+01	7.09E+01	2.54E+02
SE	SL-2	265802001	10/28/2010	Co-57	1.51E+01	9.62E+00	3.63E+01
SE	SL-2	265802001	10/28/2010	Co-58	-6.04E-01	1.31E+01	4.47E+01
SE	SL-2	265802001	10/28/2010	Co-60	1.46E+01	1.55E+01	5.74E+01
SE	SL-2	265802001	10/28/2010	Cr-51	-3.64E+00	1.93E+02	6.83E+02
SE	SL-2	265802001	10/28/2010	Cs-134	2.86E+01	1.95E+01	7.47E+01
SE	SL-2	265802001	10/28/2010	Cs-137	7.91E+00	1.75E+01	6.05E+01
SE	SL-2	265802001	10/28/2010	Fe-59	-1.33E+02	5.14E+01	1.23E+02
SE	SL-2	265802001	10/28/2010	I-131	-1.25E+02	1.20E+02	3.89E+02
SE	SL-2	265802001	10/28/2010	K-40	8.89E+03	7.15E+02	4.26E+02 *

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TYPE	STATION	LSN	DATE				
SE	SL-2	265802001	10/28/2010	La-140	-3.72E+01	6.56E+01	2.00E+02
SE	SL-2	265802001	10/28/2010	Mn-54	2.41E+00	1.62E+01	5.65E+01
SE	SL-2	265802001	10/28/2010	Nb-95	-1.60E+01	2.08E+01	6.74E+01
SE	SL-2	265802001	10/28/2010	Ru-103	-3.76E+01	2.05E+01	5.89E+01
SE	SL-2	265802001	10/28/2010	Ru-106	-2.55E+01	1.33E+02	4.38E+02
SE	SL-2	265802001	10/28/2010	Sb-124	-2.69E+01	3.38E+01	9.28E+01
SE	SL-2	265802001	10/28/2010	Sb-125	7.65E+01	4.11E+01	1.58E+02
SE	SL-2	265802001	10/28/2010	Se-75	1.17E+01	1.89E+01	6.99E+01
SE	SL-2	265802001	10/28/2010	Th-228	1.49E+02	3.70E+01	7.47E+01 *
SE	SL-2	265802001	10/28/2010	Zn-65	-1.08E+02	4.75E+01	1.26E+02
SE	SL-2	265802001	10/28/2010	Zr-95	2.56E+01	3.85E+01	1.39E+02
SE	SL-3	265802002	10/28/2010	Ac-228	1.65E+02	6.29E+01	2.26E+02
SE	SL-3	265802002	10/28/2010	Ag-108m	-3.17E+00	8.47E+00	2.91E+01
SE	SL-3	265802002	10/28/2010	Ag-110m	-1.74E+01	1.85E+01	5.85E+01
SE	SL-3	265802002	10/28/2010	Ba-140	-5.39E+01	1.34E+02	4.46E+02
SE	SL-3	265802002	10/28/2010	Be-7	2.96E+01	1.18E+02	4.22E+02
SE	SL-3	265802002	10/28/2010	Ce-141	-2.24E+01	2.13E+01	7.36E+01
SE	SL-3	265802002	10/28/2010	Ce-144	-3.13E+01	5.42E+01	1.94E+02
SE	SL-3	265802002	10/28/2010	Co-57	7.91E+00	7.06E+00	2.75E+01
SE	SL-3	265802002	10/28/2010	Co-58	2.09E+01	1.34E+01	5.33E+01
SE	SL-3	265802002	10/28/2010	Co-60	-1.34E+01	1.26E+01	3.44E+01
SE	SL-3	265802002	10/28/2010	Cr-51	9.99E+01	1.51E+02	5.37E+02
SE	SL-3	265802002	10/28/2010	Cs-134	1.93E+01	1.55E+01	5.75E+01
SE	SL-3	265802002	10/28/2010	Cs-137	9.83E+00	1.17E+01	4.25E+01
SE	SL-3	265802002	10/28/2010	Fe-59	-9.31E+00	3.94E+01	1.30E+02
SE	SL-3	265802002	10/28/2010	I-131	3.60E+01	1.00E+02	3.69E+02
SE	SL-3	265802002	10/28/2010	K-40	8.74E+03	6.91E+02	1.54E+02 *
SE	SL-3	265802002	10/28/2010	La-140	3.67E+01	4.22E+01	1.65E+02
SE	SL-3	265802002	10/28/2010	Mn-54	7.09E+00	1.18E+01	4.33E+01
SE	SL-3	265802002	10/28/2010	Nb-95	4.34E+01	1.50E+01	6.25E+01
SE	SL-3	265802002	10/28/2010	Ru-103	-1.46E+01	1.57E+01	5.06E+01
SE	SL-3	265802002	10/28/2010	Ru-106	-6.44E+01	9.83E+01	3.14E+02
SE	SL-3	265802002	10/28/2010	Sb-124	1.68E+00	3.58E+01	1.21E+02
SE	SL-3	265802002	10/28/2010	Sb-125	-1.30E+01	2.62E+01	8.93E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
SE	SL-3	265802002	10/28/2010	Se-75	-4.76E+00	1.31E+01	4.42E+01
SE	SL-3	265802002	10/28/2010	Th-228	1.23E+02	4.18E+01	1.00E+02
SE	SL-3	265802002	10/28/2010	Zn-65	-1.22E+01	2.61E+01	8.27E+01
SE	SL-3	265802002	10/28/2010	Zr-95	-1.91E+01	2.42E+01	7.32E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TF	ONS-G	260204001	8/31/2010	Ac-228	-1.39E+01	7.66E+00	2.08E+01
TF	ONS-G	260204001	8/31/2010	Ag-108m	-1.40E+00	1.08E+00	3.43E+00
TF	ONS-G	260204001	8/31/2010	Ag-110m	-2.62E+00	2.07E+00	6.50E+00
TF	ONS-G	260204001	8/31/2010	Ba-140	8.40E+00	7.35E+00	2.44E+01
TF	ONS-G	260204001	8/31/2010	Be-7	3.25E+01	1.16E+01	4.11E+01
TF	ONS-G	260204001	8/31/2010	Ce-141	2.51E+00	1.66E+00	5.60E+00
TF	ONS-G	260204001	8/31/2010	Ce-144	-2.73E+00	5.71E+00	1.86E+01
TF	ONS-G	260204001	8/31/2010	Co-57	1.02E+00	7.13E-01	2.43E+00
TF	ONS-G	260204001	8/31/2010	Co-58	6.02E-01	1.58E+00	5.36E+00
TF	ONS-G	260204001	8/31/2010	Co-60	8.91E-02	1.58E+00	5.32E+00
TF	ONS-G	260204001	8/31/2010	Cr-51	5.25E+00	1.03E+01	3.51E+01
TF	ONS-G	260204001	8/31/2010	Cs-134	3.84E+00	1.81E+00	6.49E+00
TF	ONS-G	260204001	8/31/2010	Cs-137	-6.78E-01	1.60E+00	5.06E+00
TF	ONS-G	260204001	8/31/2010	Fe-59	2.55E+00	3.57E+00	1.20E+01
TF	ONS-G	260204001	8/31/2010	I-131	-2.24E+00	2.11E+00	6.85E+00
TF	ONS-G	260204001	8/31/2010	K-40	1.62E+03	9.56E+01	4.89E+01 *
TF	ONS-G	260204001	8/31/2010	La-140	6.81E-01	2.23E+00	7.53E+00
TF	ONS-G	260204001	8/31/2010	Mn-54	-2.41E+00	1.70E+00	4.54E+00
TF	ONS-G	260204001	8/31/2010	Nb-95	7.39E-01	1.50E+00	5.13E+00
TF	ONS-G	260204001	8/31/2010	Ru-103	-1.55E+00	1.41E+00	4.43E+00
TF	ONS-G	260204001	8/31/2010	Ru-106	-2.57E+01	1.31E+01	3.87E+01
TF	ONS-G	260204001	8/31/2010	Sb-124	5.04E+00	3.59E+00	1.29E+01
TF	ONS-G	260204001	8/31/2010	Sb-125	6.83E+00	3.38E+00	1.18E+01
TF	ONS-G	260204001	8/31/2010	Se-75	2.36E+00	1.46E+00	4.82E+00
TF	ONS-G	260204001	8/31/2010	Th-228	1.32E+00	3.08E+00	8.25E+00
TF	ONS-G	260204001	8/31/2010	Zn-65	-1.19E+01	3.99E+00	1.13E+01
TF	ONS-G	260204001	8/31/2010	Zr-95	-4.01E-01	2.71E+00	9.06E+00
TF	OFS-G	260204002	8/31/2010	Ac-228	4.32E+00	1.10E+01	2.33E+01
TF	OFS-G	260204002	8/31/2010	Ag-108m	-1.16E+00	1.25E+00	4.10E+00
TF	OFS-G	260204002	8/31/2010	Ag-110m	3.64E-01	2.32E+00	7.56E+00
TF	OFS-G	260204002	8/31/2010	Ba-140	-4.53E-01	7.02E+00	2.33E+01
TF	OFS-G	260204002	8/31/2010	Be-7	1.14E+02	2.54E+01	4.03E+01 *
TF	OFS-G	260204002	8/31/2010	Ce-141	-2.52E+00	2.76E+00	7.35E+00
TF	OFS-G	260204002	8/31/2010	Ce-144	-6.75E+00	8.15E+00	2.66E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TF	OFS-G	260204002	8/31/2010	Co-57	4.72E-01	1.04E+00	3.51E+00
TF	OFS-G	260204002	8/31/2010	Co-58	-6.10E-01	1.91E+00	5.52E+00
TF	OFS-G	260204002	8/31/2010	Co-60	2.29E+00	1.82E+00	6.33E+00
TF	OFS-G	260204002	8/31/2010	Cr-51	1.85E+01	1.28E+01	4.28E+01
TF	OFS-G	260204002	8/31/2010	Cs-134	-5.55E+00	2.82E+00	6.70E+00
TF	OFS-G	260204002	8/31/2010	Cs-137	1.97E+00	1.58E+00	5.39E+00
TF	OFS-G	260204002	8/31/2010	Fe-59	-5.74E+00	3.45E+00	1.08E+01
TF	OFS-G	260204002	8/31/2010	I-131	-1.20E-01	2.57E+00	8.22E+00
TF	OFS-G	260204002	8/31/2010	K-40	2.27E+03	1.23E+02	5.87E+01 *
TF	OFS-G	260204002	8/31/2010	La-140	-3.30E+00	3.64E+00	7.16E+00
TF	OFS-G	260204002	8/31/2010	Mn-54	2.41E+00	1.61E+00	5.50E+00
TF	OFS-G	260204002	8/31/2010	Nb-95	-9.10E-02	1.54E+00	5.03E+00
TF	OFS-G	260204002	8/31/2010	Ru-103	-1.21E+00	1.51E+00	4.93E+00
TF	OFS-G	260204002	8/31/2010	Ru-106	-1.40E+01	1.35E+01	4.29E+01
TF	OFS-G	260204002	8/31/2010	Sb-124	-1.43E+00	3.73E+00	1.19E+01
TF	OFS-G	260204002	8/31/2010	Sb-125	4.28E+00	3.75E+00	1.30E+01
TF	OFS-G	260204002	8/31/2010	Se-75	-1.31E-01	1.89E+00	6.12E+00
TF	OFS-G	260204002	8/31/2010	Th-228	2.13E+00	3.23E+00	9.21E+00
TF	OFS-G	260204002	8/31/2010	Zn-65	-4.06E+00	4.11E+00	1.33E+01
TF	OFS-G	260204002	8/31/2010	Zr-95	-6.85E+00	2.89E+00	8.54E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)  
+ Minimum Detectable Concentration > Lower Limit of Detection  
x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	MR	L16055-01	1/6/2010	AcTh-228	-1.94E+01	8.30E+00	3.30E+01
TM	MR	L16055-01	1/6/2010	Ag-108m	0.00E+00	1.60E+00	5.70E+00
TM	MR	L16055-01	1/6/2010	Ag-110m	-3.20E+00	2.90E+00	1.10E+01
TM	MR	L16055-01	1/6/2010	Ba-140	7.00E-01	3.00E+00	1.10E+01
TM	MR	L16055-01	1/6/2010	Be-7	2.50E+01	1.50E+01	5.00E+01
TM	MR	L16055-01	1/6/2010	Ce-141	-5.90E+00	2.60E+00	9.70E+00
TM	MR	L16055-01	1/6/2010	Ce-144	9.00E+00	1.10E+01	3.70E+01
TM	MR	L16055-01	1/6/2010	Co-57	1.00E-01	1.30E+00	4.60E+00
TM	MR	L16055-01	1/6/2010	Co-58	-1.50E+00	2.10E+00	7.90E+00
TM	MR	L16055-01	1/6/2010	Co-60	3.10E+00	2.50E+00	8.30E+00
TM	MR	L16055-01	1/6/2010	Cr-51	6.00E+00	1.80E+01	6.20E+01
TM	MR	L16055-01	1/6/2010	Cs-134	-1.20E+00	1.40E+00	7.40E+00
TM	MR	L16055-01	1/6/2010	Cs-137	5.00E-01	1.80E+00	6.40E+00
TM	MR	L16055-01	1/6/2010	Fe-59	1.14E+01	3.90E+00	1.50E+01
TM	MR	L16055-01	1/6/2010	I-131	-8.00E-02	1.70E-02	8.90E-01
TM	MR	L16055-01	1/6/2010	K-40	1.61E+03	8.00E+01	9.80E+01 *
TM	MR	L16055-01	1/6/2010	La-140	7.00E-01	3.00E+00	1.10E+01
TM	MR	L16055-01	1/6/2010	Mn-54	1.20E+00	1.90E+00	6.70E+00
TM	MR	L16055-01	1/6/2010	Nb-95	0.00E+00	2.20E+00	8.10E+00
TM	MR	L16055-01	1/6/2010	Ru-103	-4.50E+00	2.20E+00	8.40E+00
TM	MR	L16055-01	1/6/2010	Ru-106	2.40E+01	1.80E+01	5.90E+01
TM	MR	L16055-01	1/6/2010	Sb-124	-6.30E+00	4.10E+00	1.80E+01
TM	MR	L16055-01	1/6/2010	Sb-125	-5.00E-01	4.70E+00	1.70E+01
TM	MR	L16055-01	1/6/2010	Se-75	-1.80E+00	2.30E+00	8.30E+00
TM	MR	L16055-01	1/6/2010	Zn-65	-3.20E+00	5.30E+00	2.00E+01
TM	MR	L16055-01	1/6/2010	Zr-95	-2.20E+00	3.30E+00	1.30E+01
TM	SF	L16055-02	1/6/2010	AcTh-228	-8.20E+00	8.70E+00	3.30E+01
TM	SF	L16055-02	1/6/2010	Ag-108m	3.00E-01	1.80E+00	6.30E+00
TM	SF	L16055-02	1/6/2010	Ag-110m	1.10E+00	2.40E+00	8.80E+00
TM	SF	L16055-02	1/6/2010	Ba-140	1.90E+00	3.90E+00	1.40E+01
TM	SF	L16055-02	1/6/2010	Be-7	-1.80E+01	1.80E+01	6.80E+01
TM	SF	L16055-02	1/6/2010	Ce-141	-4.40E+00	3.30E+00	1.20E+01
TM	SF	L16055-02	1/6/2010	Ce-144	2.40E+01	1.20E+01	4.00E+01
TM	SF	L16055-02	1/6/2010	Co-57	-4.00E-01	1.50E+00	5.20E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	SF	L16055-02	1/6/2010	Co-58	2.50E+00	2.10E+00	7.20E+00
TM	SF	L16055-02	1/6/2010	Co-60	2.70E+00	2.40E+00	8.00E+00
TM	SF	L16055-02	1/6/2010	Cr-51	-5.00E+00	1.70E+01	6.10E+01
TM	SF	L16055-02	1/6/2010	Cs-134	1.10E+00	1.90E+00	8.90E+00
TM	SF	L16055-02	1/6/2010	Cs-137	-2.60E+00	2.30E+00	8.80E+00
TM	SF	L16055-02	1/6/2010	Fe-59	4.00E+00	5.20E+00	1.80E+01
TM	SF	L16055-02	1/6/2010	I-131	6.50E-01	3.70E-01	9.00E-01
TM	SF	L16055-02	1/6/2010	K-40	1.55E+03	8.20E+01	9.40E+01 *
TM	SF	L16055-02	1/6/2010	La-140	1.90E+00	3.90E+00	1.40E+01
TM	SF	L16055-02	1/6/2010	Mn-54	3.90E+00	2.20E+00	7.20E+00
TM	SF	L16055-02	1/6/2010	Nb-95	-6.90E+00	2.80E+00	1.10E+01
TM	SF	L16055-02	1/6/2010	Ru-103	2.50E+00	2.00E+00	6.60E+00
TM	SF	L16055-02	1/6/2010	Ru-106	9.00E+00	1.90E+01	6.60E+01
TM	SF	L16055-02	1/6/2010	Sb-124	-4.90E+00	4.40E+00	1.90E+01
TM	SF	L16055-02	1/6/2010	Sb-125	2.70E+00	6.10E+00	2.10E+01
TM	SF	L16055-02	1/6/2010	Se-75	4.00E-01	2.40E+00	8.50E+00
TM	SF	L16055-02	1/6/2010	Zn-65	-1.35E+01	5.60E+00	2.30E+01
TM	SF	L16055-02	1/6/2010	Zr-95	7.20E+00	3.80E+00	1.20E+01
TM	LF	L16055-03	1/6/2010	AcTh-228	7.50E+00	9.80E+00	3.40E+01
TM	LF	L16055-03	1/6/2010	Ag-108m	-2.00E-01	2.10E+00	7.40E+00
TM	LF	L16055-03	1/6/2010	Ag-110m	1.80E+00	3.20E+00	1.10E+01
TM	LF	L16055-03	1/6/2010	Ba-140	2.40E+00	4.00E+00	1.40E+01
TM	LF	L16055-03	1/6/2010	Be-7	-2.30E+01	2.20E+01	8.30E+01
TM	LF	L16055-03	1/6/2010	Ce-141	-6.40E+00	3.60E+00	1.30E+01
TM	LF	L16055-03	1/6/2010	Ce-144	3.00E+00	1.30E+01	4.50E+01
TM	LF	L16055-03	1/6/2010	Co-57	-1.00E-01	1.90E+00	6.50E+00
TM	LF	L16055-03	1/6/2010	Co-58	1.80E+00	2.00E+00	7.00E+00
TM	LF	L16055-03	1/6/2010	Co-60	3.30E+00	2.60E+00	8.80E+00
TM	LF	L16055-03	1/6/2010	Cr-51	2.00E+01	2.30E+01	7.90E+01
TM	LF	L16055-03	1/6/2010	Cs-134	1.10E+00	1.80E+00	8.30E+00
TM	LF	L16055-03	1/6/2010	Cs-137	8.00E-01	2.30E+00	8.10E+00
TM	LF	L16055-03	1/6/2010	Fe-59	3.80E+00	5.30E+00	1.90E+01
TM	LF	L16055-03	1/6/2010	I-131	4.70E-01	3.20E-01	9.00E-01
TM	LF	L16055-03	1/6/2010	K-40	1.50E+03	8.60E+01	1.10E+02 *

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	LF	L16055-03	1/6/2010	La-140	2.40E+00	4.00E+00	1.40E+01
TM	LF	L16055-03	1/6/2010	Mn-54	2.80E+00	2.70E+00	9.10E+00
TM	LF	L16055-03	1/6/2010	Nb-95	-3.00E-01	2.50E+00	9.40E+00
TM	LF	L16055-03	1/6/2010	Ru-103	-7.40E+00	3.00E+00	1.20E+01
TM	LF	L16055-03	1/6/2010	Ru-106	-1.00E+00	2.40E+01	8.60E+01
TM	LF	L16055-03	1/6/2010	Sb-124	8.00E+00	4.70E+00	1.50E+01
TM	LF	L16055-03	1/6/2010	Sb-125	-1.40E+01	7.00E+00	2.70E+01
TM	LF	L16055-03	1/6/2010	Se-75	-2.70E+00	3.20E+00	1.20E+01
TM	LF	L16055-03	1/6/2010	Zn-65	-3.80E+00	5.40E+00	2.10E+01
TM	LF	L16055-03	1/6/2010	Zr-95	6.00E-01	3.70E+00	1.40E+01
TM	MR	L16119-01	1/20/2010	AcTh-228	-1.00E-01	8.00E+00	2.90E+01
TM	MR	L16119-01	1/20/2010	Ag-108m	-8.00E-01	1.80E+00	6.50E+00
TM	MR	L16119-01	1/20/2010	Ag-110m	-3.80E+00	3.10E+00	1.20E+01
TM	MR	L16119-01	1/20/2010	Ba-140	-4.00E-01	3.90E+00	1.50E+01
TM	MR	L16119-01	1/20/2010	Be-7	-1.00E+00	1.70E+01	5.90E+01
TM	MR	L16119-01	1/20/2010	Ce-141	2.00E+00	2.60E+00	8.90E+00
TM	MR	L16119-01	1/20/2010	Ce-144	-3.60E+00	9.60E+00	3.40E+01
TM	MR	L16119-01	1/20/2010	Co-57	1.80E+00	1.20E+00	3.80E+00
TM	MR	L16119-01	1/20/2010	Co-58	-2.50E+00	1.90E+00	7.50E+00
TM	MR	L16119-01	1/20/2010	Co-60	-2.00E+00	2.40E+00	9.20E+00
TM	MR	L16119-01	1/20/2010	Cr-51	2.60E+01	1.70E+01	5.60E+01
TM	MR	L16119-01	1/20/2010	Cs-134	-2.00E-01	1.60E+00	6.80E+00
TM	MR	L16119-01	1/20/2010	Cs-137	-3.00E+00	1.80E+00	7.30E+00
TM	MR	L16119-01	1/20/2010	Fe-59	4.90E+00	5.10E+00	1.80E+01
TM	MR	L16119-01	1/20/2010	I-131	4.10E-01	2.80E-01	7.90E-01
TM	MR	L16119-01	1/20/2010	K-40	1.58E+03	7.70E+01	9.30E+01 *
TM	MR	L16119-01	1/20/2010	La-140	-4.00E-01	3.90E+00	1.50E+01
TM	MR	L16119-01	1/20/2010	Mn-54	1.20E+00	1.80E+00	6.40E+00
TM	MR	L16119-01	1/20/2010	Nb-95	-1.80E+00	2.10E+00	8.00E+00
TM	MR	L16119-01	1/20/2010	Ru-103	-1.80E+00	2.20E+00	7.90E+00
TM	MR	L16119-01	1/20/2010	Ru-106	-1.30E+01	1.70E+01	6.40E+01
TM	MR	L16119-01	1/20/2010	Sb-124	3.60E+00	4.50E+00	1.60E+01
TM	MR	L16119-01	1/20/2010	Sb-125	-1.44E+01	5.20E+00	2.10E+01
TM	MR	L16119-01	1/20/2010	Se-75	2.00E-01	2.10E+00	7.50E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	MR	L16119-01	1/20/2010	Zn-65	4.60E+00	4.90E+00	1.70E+01
TM	MR	L16119-01	1/20/2010	Zr-95	-2.60E+00	3.60E+00	1.40E+01
TM	SF	L16119-02	1/20/2010	AcTh-228	-9.20E+00	8.60E+00	3.40E+01
TM	SF	L16119-02	1/20/2010	Ag-108m	-1.10E+00	1.90E+00	7.20E+00
TM	SF	L16119-02	1/20/2010	Ag-110m	3.70E+00	3.70E+00	1.30E+01
TM	SF	L16119-02	1/20/2010	Ba-140	-2.40E+00	3.30E+00	1.40E+01
TM	SF	L16119-02	1/20/2010	Be-7	1.90E+01	2.00E+01	6.80E+01
TM	SF	L16119-02	1/20/2010	Ce-141	-6.50E+00	3.60E+00	1.30E+01
TM	SF	L16119-02	1/20/2010	Ce-144	-1.10E+01	1.40E+01	5.20E+01
TM	SF	L16119-02	1/20/2010	Co-57	-8.00E-01	1.80E+00	6.40E+00
TM	SF	L16119-02	1/20/2010	Co-58	1.00E-01	2.20E+00	8.10E+00
TM	SF	L16119-02	1/20/2010	Co-60	1.80E+00	2.80E+00	9.70E+00
TM	SF	L16119-02	1/20/2010	Cr-51	3.00E+01	2.30E+01	7.50E+01
TM	SF	L16119-02	1/20/2010	Cs-134	-1.70E+00	2.20E+00	9.30E+00
TM	SF	L16119-02	1/20/2010	Cs-137	6.00E-01	2.80E+00	9.90E+00
TM	SF	L16119-02	1/20/2010	Fe-59	-8.00E-01	5.20E+00	1.90E+01
TM	SF	L16119-02	1/20/2010	I-131	2.60E-01	2.40E-01	8.10E-01
TM	SF	L16119-02	1/20/2010	K-40	1.70E+03	9.00E+01	1.00E+02 *
TM	SF	L16119-02	1/20/2010	La-140	-2.40E+00	3.30E+00	1.40E+01
TM	SF	L16119-02	1/20/2010	Mn-54	1.90E+00	2.70E+00	9.20E+00
TM	SF	L16119-02	1/20/2010	Nb-95	4.00E+00	2.90E+00	9.70E+00
TM	SF	L16119-02	1/20/2010	Ru-103	-4.30E+00	3.20E+00	1.20E+01
TM	SF	L16119-02	1/20/2010	Ru-106	1.60E+01	2.10E+01	7.40E+01
TM	SF	L16119-02	1/20/2010	Sb-124	4.60E+00	5.10E+00	1.80E+01
TM	SF	L16119-02	1/20/2010	Sb-125	-4.70E+00	6.30E+00	2.30E+01
TM	SF	L16119-02	1/20/2010	Se-75	1.50E+00	3.20E+00	1.10E+01
TM	SF	L16119-02	1/20/2010	Zn-65	-8.50E+00	5.20E+00	2.10E+01
TM	SF	L16119-02	1/20/2010	Zr-95	-3.10E+00	3.70E+00	1.50E+01
TM	LF	L16119-03	1/20/2010	AcTh-228	2.40E+00	8.00E+00	2.80E+01
TM	LF	L16119-03	1/20/2010	Ag-108m	-9.00E-01	2.10E+00	7.40E+00
TM	LF	L16119-03	1/20/2010	Ag-110m	-1.80E+00	3.00E+00	1.10E+01
TM	LF	L16119-03	1/20/2010	Ba-140	8.00E-01	4.00E+00	1.40E+01
TM	LF	L16119-03	1/20/2010	Be-7	-4.20E+01	2.10E+01	7.80E+01
TM	LF	L16119-03	1/20/2010	Ce-141	3.00E+00	3.20E+00	1.10E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	LF	L16119-03	1/20/2010	Ce-144	-4.00E+00	1.20E+01	4.30E+01
TM	LF	L16119-03	1/20/2010	Co-57	2.60E+00	1.60E+00	5.20E+00
TM	LF	L16119-03	1/20/2010	Co-58	-3.80E+00	2.30E+00	8.80E+00
TM	LF	L16119-03	1/20/2010	Co-60	2.30E+00	2.30E+00	7.90E+00
TM	LF	L16119-03	1/20/2010	Cr-51	-2.40E+01	2.00E+01	7.20E+01
TM	LF	L16119-03	1/20/2010	Cs-134	7.00E-01	2.40E+00	8.70E+00
TM	LF	L16119-03	1/20/2010	Cs-137	-3.50E+00	2.30E+00	8.70E+00
TM	LF	L16119-03	1/20/2010	Fe-59	-3.40E+00	4.80E+00	1.80E+01
TM	LF	L16119-03	1/20/2010	I-131	9.00E-02	1.70E-01	8.10E-01
TM	LF	L16119-03	1/20/2010	K-40	1.32E+03	6.90E+01	1.10E+02 *
TM	LF	L16119-03	1/20/2010	La-140	8.00E-01	4.00E+00	1.40E+01
TM	LF	L16119-03	1/20/2010	Mn-54	-3.40E+00	2.20E+00	8.20E+00
TM	LF	L16119-03	1/20/2010	Nb-95	5.80E+00	3.80E+00	1.20E+01
TM	LF	L16119-03	1/20/2010	Ru-103	1.10E+00	2.50E+00	8.40E+00
TM	LF	L16119-03	1/20/2010	Ru-106	-1.10E+01	1.90E+01	6.80E+01
TM	LF	L16119-03	1/20/2010	Sb-124	-1.00E-01	4.70E+00	1.80E+01
TM	LF	L16119-03	1/20/2010	Sb-125	3.30E+00	6.70E+00	2.30E+01
TM	LF	L16119-03	1/20/2010	Se-75	-3.10E+00	2.70E+00	9.70E+00
TM	LF	L16119-03	1/20/2010	Zn-65	-2.00E+00	1.10E+01	3.80E+01
TM	LF	L16119-03	1/20/2010	Zr-95	8.80E+00	3.60E+00	1.10E+01
TM	MR	L16177-01	2/3/2010	AcTh-228	-7.90E+00	9.60E+00	3.60E+01
TM	MR	L16177-01	2/3/2010	Ag-108m	-7.00E-01	2.10E+00	7.50E+00
TM	MR	L16177-01	2/3/2010	Ag-110m	-3.70E+00	3.30E+00	1.30E+01
TM	MR	L16177-01	2/3/2010	Ba-140	6.80E+00	4.30E+00	1.40E+01
TM	MR	L16177-01	2/3/2010	Be-7	-2.90E+01	1.80E+01	7.10E+01
TM	MR	L16177-01	2/3/2010	Ce-141	-2.00E-01	3.00E+00	1.00E+01
TM	MR	L16177-01	2/3/2010	Ce-144	6.00E+00	1.10E+01	3.80E+01
TM	MR	L16177-01	2/3/2010	Co-57	1.90E+00	1.60E+00	5.30E+00
TM	MR	L16177-01	2/3/2010	Co-58	-1.30E+00	2.20E+00	8.30E+00
TM	MR	L16177-01	2/3/2010	Co-60	-2.70E+00	2.30E+00	9.50E+00
TM	MR	L16177-01	2/3/2010	Cr-51	-9.00E+00	1.70E+01	6.40E+01
TM	MR	L16177-01	2/3/2010	Cs-134	9.00E-01	1.90E+00	9.00E+00
TM	MR	L16177-01	2/3/2010	Cs-137	2.40E+00	2.40E+00	8.00E+00
TM	MR	L16177-01	2/3/2010	Fe-59	1.30E+00	5.30E+00	1.90E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	MR	L16177-01	2/3/2010	I-131	1.00E-02	1.40E-01	8.20E-01
TM	MR	L16177-01	2/3/2010	K-40	1.79E+03	9.40E+01	1.10E+02 *
TM	MR	L16177-01	2/3/2010	La-140	6.80E+00	4.30E+00	1.40E+01
TM	MR	L16177-01	2/3/2010	Mn-54	-1.60E+00	2.30E+00	8.70E+00
TM	MR	L16177-01	2/3/2010	Nb-95	7.00E-01	2.40E+00	8.60E+00
TM	MR	L16177-01	2/3/2010	Ru-103	-2.30E+00	2.50E+00	9.50E+00
TM	MR	L16177-01	2/3/2010	Ru-106	-1.70E+01	1.90E+01	7.20E+01
TM	MR	L16177-01	2/3/2010	Sb-124	6.90E+00	5.60E+00	1.90E+01
TM	MR	L16177-01	2/3/2010	Sb-125	-1.38E+01	6.20E+00	2.40E+01
TM	MR	L16177-01	2/3/2010	Se-75	-4.00E+00	2.70E+00	9.90E+00
TM	MR	L16177-01	2/3/2010	Zn-65	-8.00E-01	5.90E+00	2.20E+01
TM	MR	L16177-01	2/3/2010	Zr-95	3.40E+00	4.00E+00	1.40E+01
TM	SF	L16177-02	2/3/2010	AcTh-228	-4.20E+00	7.90E+00	3.00E+01
TM	SF	L16177-02	2/3/2010	Ag-108m	3.20E+00	2.10E+00	6.80E+00
TM	SF	L16177-02	2/3/2010	Ag-110m	4.40E+00	3.10E+00	1.00E+01
TM	SF	L16177-02	2/3/2010	Ba-140	1.40E+00	4.10E+00	1.50E+01
TM	SF	L16177-02	2/3/2010	Be-7	8.00E+00	2.00E+01	7.00E+01
TM	SF	L16177-02	2/3/2010	Ce-141	0.00E+00	3.50E+00	1.20E+01
TM	SF	L16177-02	2/3/2010	Ce-144	5.00E+00	1.30E+01	4.60E+01
TM	SF	L16177-02	2/3/2010	Co-57	2.00E-01	1.80E+00	6.30E+00
TM	SF	L16177-02	2/3/2010	Co-58	-1.30E+00	2.40E+00	9.00E+00
TM	SF	L16177-02	2/3/2010	Co-60	-1.90E+00	2.80E+00	1.10E+01
TM	SF	L16177-02	2/3/2010	Cr-51	1.70E+01	2.20E+01	7.60E+01
TM	SF	L16177-02	2/3/2010	Cs-134	-2.80E+00	1.80E+00	8.10E+00
TM	SF	L16177-02	2/3/2010	Cs-137	7.00E-01	2.70E+00	9.50E+00
TM	SF	L16177-02	2/3/2010	Fe-59	-2.60E+00	5.30E+00	2.00E+01
TM	SF	L16177-02	2/3/2010	I-131	1.10E-01	1.70E-01	7.60E-01
TM	SF	L16177-02	2/3/2010	K-40	1.58E+03	8.20E+01	1.00E+02 *
TM	SF	L16177-02	2/3/2010	La-140	1.40E+00	4.10E+00	1.50E+01
TM	SF	L16177-02	2/3/2010	Mn-54	-3.60E+00	2.30E+00	8.90E+00
TM	SF	L16177-02	2/3/2010	Nb-95	1.70E+00	2.50E+00	8.80E+00
TM	SF	L16177-02	2/3/2010	Ru-103	-4.40E+00	2.80E+00	1.10E+01
TM	SF	L16177-02	2/3/2010	Ru-106	2.90E+01	2.20E+01	7.40E+01
TM	SF	L16177-02	2/3/2010	Sb-124	3.00E+00	4.80E+00	1.70E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	SF	L16177-02	2/3/2010	Sb-125	-2.30E+00	5.50E+00	2.00E+01
TM	SF	L16177-02	2/3/2010	Se-75	9.00E-01	2.90E+00	1.00E+01
TM	SF	L16177-02	2/3/2010	Zn-65	-1.14E+01	5.70E+00	2.30E+01
TM	SF	L16177-02	2/3/2010	Zr-95	-2.20E+00	4.10E+00	1.50E+01
TM	LF	L16177-03	2/3/2010	AcTh-228	-3.80E+00	7.90E+00	2.90E+01
TM	LF	L16177-03	2/3/2010	Ag-108m	-1.20E+00	1.80E+00	6.40E+00
TM	LF	L16177-03	2/3/2010	Ag-110m	-1.70E+00	2.60E+00	9.90E+00
TM	LF	L16177-03	2/3/2010	Ba-140	-9.00E-01	3.60E+00	1.40E+01
TM	LF	L16177-03	2/3/2010	Be-7	2.90E+01	1.80E+01	6.10E+01
TM	LF	L16177-03	2/3/2010	Ce-141	-2.40E+00	2.90E+00	1.00E+01
TM	LF	L16177-03	2/3/2010	Ce-144	-1.40E+01	1.10E+01	3.90E+01
TM	LF	L16177-03	2/3/2010	Co-57	-5.00E-01	1.40E+00	5.00E+00
TM	LF	L16177-03	2/3/2010	Co-58	0.00E+00	2.00E+00	7.40E+00
TM	LF	L16177-03	2/3/2010	Co-60	1.30E+00	2.10E+00	7.30E+00
TM	LF	L16177-03	2/3/2010	Cr-51	3.00E+00	1.80E+01	6.40E+01
TM	LF	L16177-03	2/3/2010	Cs-134	3.00E-01	1.80E+00	8.50E+00
TM	LF	L16177-03	2/3/2010	Cs-137	-1.20E+00	2.00E+00	7.40E+00
TM	LF	L16177-03	2/3/2010	Fe-59	2.80E+00	4.20E+00	1.50E+01
TM	LF	L16177-03	2/3/2010	I-131	-1.00E-02	1.30E-01	8.10E-01
TM	LF	L16177-03	2/3/2010	K-40	1.52E+03	7.70E+01	1.10E+02 *
TM	LF	L16177-03	2/3/2010	La-140	-9.00E-01	3.60E+00	1.40E+01
TM	LF	L16177-03	2/3/2010	Mn-54	3.30E+00	2.10E+00	6.90E+00
TM	LF	L16177-03	2/3/2010	Nb-95	-1.10E+00	2.30E+00	8.60E+00
TM	LF	L16177-03	2/3/2010	Ru-103	0.00E+00	2.30E+00	8.00E+00
TM	LF	L16177-03	2/3/2010	Ru-106	-1.10E+01	1.70E+01	6.40E+01
TM	LF	L16177-03	2/3/2010	Sb-124	-2.00E+00	5.20E+00	2.00E+01
TM	LF	L16177-03	2/3/2010	Sb-125	-1.00E+00	5.30E+00	1.90E+01
TM	LF	L16177-03	2/3/2010	Se-75	-7.00E-01	2.50E+00	8.70E+00
TM	LF	L16177-03	2/3/2010	Zn-65	-6.30E+00	5.20E+00	2.00E+01
TM	LF	L16177-03	2/3/2010	Zr-95	3.80E+00	3.50E+00	1.20E+01
TM	MR	L16210-01	2/17/2010	AcTh-228	9.40E+00	8.10E+00	2.70E+01
TM	MR	L16210-01	2/17/2010	Ag-108m	1.70E+00	1.50E+00	5.00E+00
TM	MR	L16210-01	2/17/2010	Ag-110m	6.30E+00	3.10E+00	9.80E+00
TM	MR	L16210-01	2/17/2010	Ba-140	-1.20E+00	3.80E+00	1.50E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	MR	L16210-01	2/17/2010	Be-7	1.90E+01	1.50E+01	5.00E+01
TM	MR	L16210-01	2/17/2010	Ce-141	6.00E-01	2.50E+00	8.50E+00
TM	MR	L16210-01	2/17/2010	Ce-144	-1.00E+00	7.80E+00	2.70E+01
TM	MR	L16210-01	2/17/2010	Co-57	1.90E+00	1.00E+00	3.40E+00
TM	MR	L16210-01	2/17/2010	Co-58	-6.00E-01	1.90E+00	6.90E+00
TM	MR	L16210-01	2/17/2010	Co-60	-1.90E+00	2.20E+00	8.50E+00
TM	MR	L16210-01	2/17/2010	Cr-51	-3.00E+00	1.50E+01	5.10E+01
TM	MR	L16210-01	2/17/2010	Cs-134	-6.00E-01	1.70E+00	7.40E+00
TM	MR	L16210-01	2/17/2010	Cs-137	5.00E+00	2.10E+00	6.60E+00
TM	MR	L16210-01	2/17/2010	Fe-59	3.30E+00	5.10E+00	1.80E+01
TM	MR	L16210-01	2/17/2010	I-131	3.50E-02	6.30E-02	2.50E-01
TM	MR	L16210-01	2/17/2010	K-40	1.73E+03	8.30E+01	1.20E+02 *
TM	MR	L16210-01	2/17/2010	La-140	-1.20E+00	3.80E+00	1.50E+01
TM	MR	L16210-01	2/17/2010	Mn-54	1.50E+00	2.00E+00	6.80E+00
TM	MR	L16210-01	2/17/2010	Nb-95	-1.00E+00	2.10E+00	7.60E+00
TM	MR	L16210-01	2/17/2010	Ru-103	-2.10E+00	1.90E+00	7.10E+00
TM	MR	L16210-01	2/17/2010	Ru-106	-2.70E+01	1.90E+01	7.00E+01
TM	MR	L16210-01	2/17/2010	Sb-124	-9.00E-01	4.50E+00	1.70E+01
TM	MR	L16210-01	2/17/2010	Sb-125	8.80E+00	4.80E+00	1.60E+01
TM	MR	L16210-01	2/17/2010	Se-75	1.80E+00	1.90E+00	6.40E+00
TM	MR	L16210-01	2/17/2010	Zn-65	-5.00E+00	5.20E+00	2.00E+01
TM	MR	L16210-01	2/17/2010	Zr-95	8.00E-01	3.70E+00	1.30E+01
TM	SF	L16210-02	2/17/2010	AcTh-228	1.98E+01	9.00E+00	2.80E+01
TM	SF	L16210-02	2/17/2010	Ag-108m	-1.50E+00	1.90E+00	6.80E+00
TM	SF	L16210-02	2/17/2010	Ag-110m	1.90E+00	3.20E+00	1.10E+01
TM	SF	L16210-02	2/17/2010	Ba-140	0.00E+00	3.00E+00	1.20E+01
TM	SF	L16210-02	2/17/2010	Be-7	2.10E+01	2.00E+01	6.70E+01
TM	SF	L16210-02	2/17/2010	Ce-141	-4.50E+00	3.50E+00	1.30E+01
TM	SF	L16210-02	2/17/2010	Ce-144	2.00E+00	1.30E+01	4.60E+01
TM	SF	L16210-02	2/17/2010	Co-57	1.60E+00	1.70E+00	5.90E+00
TM	SF	L16210-02	2/17/2010	Co-58	2.50E+00	2.20E+00	7.30E+00
TM	SF	L16210-02	2/17/2010	Co-60	7.00E-01	2.40E+00	8.60E+00
TM	SF	L16210-02	2/17/2010	Cr-51	-5.00E+00	1.90E+01	6.90E+01
TM	SF	L16210-02	2/17/2010	Cs-134	0.00E+00	1.70E+00	7.90E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	SF	L16210-02	2/17/2010	Cs-137	6.00E-01	2.30E+00	8.10E+00
TM	SF	L16210-02	2/17/2010	Fe-59	-3.20E+00	5.40E+00	2.00E+01
TM	SF	L16210-02	2/17/2010	I-131	4.50E-01	3.20E-01	9.60E-01
TM	SF	L16210-02	2/17/2010	K-40	1.69E+03	8.30E+01	1.00E+02 *
TM	SF	L16210-02	2/17/2010	La-140	0.00E+00	3.00E+00	1.20E+01
TM	SF	L16210-02	2/17/2010	Mn-54	3.00E-01	2.20E+00	8.00E+00
TM	SF	L16210-02	2/17/2010	Nb-95	-1.50E+00	2.50E+00	9.40E+00
TM	SF	L16210-02	2/17/2010	Ru-103	3.60E+00	2.70E+00	9.00E+00
TM	SF	L16210-02	2/17/2010	Ru-106	-3.50E+01	2.10E+01	8.10E+01
TM	SF	L16210-02	2/17/2010	Sb-124	4.80E+00	5.00E+00	1.70E+01
TM	SF	L16210-02	2/17/2010	Sb-125	-3.40E+00	6.20E+00	2.30E+01
TM	SF	L16210-02	2/17/2010	Se-75	8.00E-01	2.80E+00	9.60E+00
TM	SF	L16210-02	2/17/2010	Zn-65	1.30E+00	5.60E+00	2.00E+01
TM	SF	L16210-02	2/17/2010	Zr-95	-7.90E+00	3.70E+00	1.50E+01
TM	LF	L16210-03	2/17/2010	AcTh-228	1.14E+01	7.50E+00	2.50E+01
TM	LF	L16210-03	2/17/2010	Ag-108m	-8.00E-01	1.70E+00	6.00E+00
TM	LF	L16210-03	2/17/2010	Ag-110m	2.50E+00	2.80E+00	9.50E+00
TM	LF	L16210-03	2/17/2010	Ba-140	1.50E+00	3.20E+00	1.20E+01
TM	LF	L16210-03	2/17/2010	Be-7	5.00E+00	1.50E+01	5.40E+01
TM	LF	L16210-03	2/17/2010	Ce-141	2.10E+00	2.90E+00	9.70E+00
TM	LF	L16210-03	2/17/2010	Ce-144	2.00E+00	1.00E+01	3.50E+01
TM	LF	L16210-03	2/17/2010	Co-57	1.00E+00	1.40E+00	4.80E+00
TM	LF	L16210-03	2/17/2010	Co-58	-1.40E+00	2.00E+00	7.40E+00
TM	LF	L16210-03	2/17/2010	Co-60	-6.00E-01	2.40E+00	8.80E+00
TM	LF	L16210-03	2/17/2010	Cr-51	-3.00E+01	1.70E+01	6.20E+01
TM	LF	L16210-03	2/17/2010	Cs-134	-1.30E+00	1.50E+00	7.60E+00
TM	LF	L16210-03	2/17/2010	Cs-137	-1.90E+00	2.00E+00	7.50E+00
TM	LF	L16210-03	2/17/2010	Fe-59	-5.00E-01	4.30E+00	1.60E+01
TM	LF	L16210-03	2/17/2010	I-131	8.00E-02	1.80E-01	9.30E-01
TM	LF	L16210-03	2/17/2010	K-40	1.35E+03	7.00E+01	1.00E+02 *
TM	LF	L16210-03	2/17/2010	La-140	1.50E+00	3.20E+00	1.20E+01
TM	LF	L16210-03	2/17/2010	Mn-54	-6.00E-01	2.00E+00	7.30E+00
TM	LF	L16210-03	2/17/2010	Nb-95	-2.60E+00	2.20E+00	8.20E+00
TM	LF	L16210-03	2/17/2010	Ru-103	2.00E-01	2.20E+00	7.60E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	LF	L16210-03	2/17/2010	Ru-106	1.40E+01	1.60E+01	5.60E+01
TM	LF	L16210-03	2/17/2010	Sb-124	1.30E+00	4.80E+00	1.80E+01
TM	LF	L16210-03	2/17/2010	Sb-125	6.00E-01	5.60E+00	2.00E+01
TM	LF	L16210-03	2/17/2010	Se-75	3.20E+00	2.30E+00	7.70E+00
TM	LF	L16210-03	2/17/2010	Zn-65	-8.40E+00	5.10E+00	2.00E+01
TM	LF	L16210-03	2/17/2010	Zr-95	4.00E-01	3.80E+00	1.30E+01
TM	MR	L16258-01	3/3/2010	AcTh-228	1.10E+00	9.70E+00	3.50E+01
TM	MR	L16258-01	3/3/2010	Ag-108m	-4.00E+00	2.40E+00	9.00E+00
TM	MR	L16258-01	3/3/2010	Ag-110m	-5.00E-01	4.00E+00	1.50E+01
TM	MR	L16258-01	3/3/2010	Ba-140	2.60E+00	3.50E+00	1.30E+01
TM	MR	L16258-01	3/3/2010	Be-7	4.00E+00	2.60E+01	9.00E+01
TM	MR	L16258-01	3/3/2010	Ce-141	-5.90E+00	4.00E+00	1.50E+01
TM	MR	L16258-01	3/3/2010	Ce-144	6.00E+00	1.50E+01	5.20E+01
TM	MR	L16258-01	3/3/2010	Co-57	-1.20E+00	1.90E+00	6.80E+00
TM	MR	L16258-01	3/3/2010	Co-58	-4.00E-01	2.50E+00	9.30E+00
TM	MR	L16258-01	3/3/2010	Co-60	-5.60E+00	3.10E+00	1.30E+01
TM	MR	L16258-01	3/3/2010	Cr-51	-3.00E+01	2.30E+01	8.70E+01
TM	MR	L16258-01	3/3/2010	Cs-134	2.10E+00	2.50E+00	8.90E+00
TM	MR	L16258-01	3/3/2010	Cs-137	-8.00E-01	3.00E+00	1.10E+01
TM	MR	L16258-01	3/3/2010	Fe-59	4.90E+00	5.40E+00	1.90E+01
TM	MR	L16258-01	3/3/2010	I-131	8.00E-02	1.80E-01	9.30E-01
TM	MR	L16258-01	3/3/2010	K-40	1.61E+03	9.40E+01	1.30E+02 *
TM	MR	L16258-01	3/3/2010	La-140	2.60E+00	3.50E+00	1.30E+01
TM	MR	L16258-01	3/3/2010	Mn-54	-3.40E+00	2.80E+00	1.10E+01
TM	MR	L16258-01	3/3/2010	Nb-95	-4.30E+00	3.10E+00	1.20E+01
TM	MR	L16258-01	3/3/2010	Ru-103	-2.10E+00	3.20E+00	1.20E+01
TM	MR	L16258-01	3/3/2010	Ru-106	-6.00E+00	2.50E+01	8.90E+01
TM	MR	L16258-01	3/3/2010	Sb-124	-3.70E+00	5.90E+00	2.40E+01
TM	MR	L16258-01	3/3/2010	Sb-125	-1.93E+01	7.00E+00	2.80E+01
TM	MR	L16258-01	3/3/2010	Se-75	1.80E+00	3.40E+00	1.20E+01
TM	MR	L16258-01	3/3/2010	Zn-65	-1.70E+00	5.90E+00	2.20E+01
TM	MR	L16258-01	3/3/2010	Zr-95	-7.80E+00	4.10E+00	1.70E+01
TM	SF	L16258-02	3/3/2010	AcTh-228	-1.70E+01	8.30E+00	3.30E+01
TM	SF	L16258-02	3/3/2010	Ag-108m	-2.20E+00	2.00E+00	7.30E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE		CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
			DATE	NUCLIDE			
TM	SF	L16258-02	3/3/2010	Ag-110m	-4.00E-01	3.00E+00	1.10E+01
TM	SF	L16258-02	3/3/2010	Ba-140	-3.00E+00	3.20E+00	1.40E+01
TM	SF	L16258-02	3/3/2010	Be-7	-2.40E+01	1.70E+01	6.40E+01
TM	SF	L16258-02	3/3/2010	Ce-141	-2.80E+00	2.70E+00	9.80E+00
TM	SF	L16258-02	3/3/2010	Ce-144	1.80E+01	1.10E+01	3.60E+01
TM	SF	L16258-02	3/3/2010	Co-57	1.00E+00	1.30E+00	4.50E+00
TM	SF	L16258-02	3/3/2010	Co-58	2.40E+00	2.20E+00	7.50E+00
TM	SF	L16258-02	3/3/2010	Co-60	0.00E+00	1.80E+00	6.90E+00
TM	SF	L16258-02	3/3/2010	Cr-51	2.00E+00	1.70E+01	6.10E+01
TM	SF	L16258-02	3/3/2010	Cs-134	2.30E+00	1.80E+00	7.20E+00
TM	SF	L16258-02	3/3/2010	Cs-137	-3.20E+00	2.30E+00	8.80E+00
TM	SF	L16258-02	3/3/2010	Fe-59	-5.60E+00	4.90E+00	1.90E+01
TM	SF	L16258-02	3/3/2010	I-131	8.00E-02	1.90E-01	9.80E-01
TM	SF	L16258-02	3/3/2010	K-40	1.49E+03	8.20E+01	1.00E+02 *
TM	SF	L16258-02	3/3/2010	La-140	-3.00E+00	3.20E+00	1.40E+01
TM	SF	L16258-02	3/3/2010	Mn-54	-3.00E-01	1.90E+00	7.10E+00
TM	SF	L16258-02	3/3/2010	Nb-95	3.10E+00	2.40E+00	8.20E+00
TM	SF	L16258-02	3/3/2010	Ru-103	-2.00E-01	2.20E+00	8.00E+00
TM	SF	L16258-02	3/3/2010	Ru-106	-8.00E+00	1.90E+01	7.00E+01
TM	SF	L16258-02	3/3/2010	Sb-124	-2.50E+00	3.70E+00	1.60E+01
TM	SF	L16258-02	3/3/2010	Sb-125	7.40E+00	5.40E+00	1.80E+01
TM	SF	L16258-02	3/3/2010	Se-75	-8.00E-01	2.40E+00	8.60E+00
TM	SF	L16258-02	3/3/2010	Zn-65	-1.25E+01	6.10E+00	2.40E+01
TM	SF	L16258-02	3/3/2010	Zr-95	-2.50E+00	3.30E+00	1.30E+01
TM	LF	L16258-03	3/3/2010	AcTh-228	6.00E-01	7.70E+00	2.80E+01
TM	LF	L16258-03	3/3/2010	Ag-108m	5.40E+00	1.80E+00	5.50E+00
TM	LF	L16258-03	3/3/2010	Ag-110m	5.30E+00	3.00E+00	9.60E+00
TM	LF	L16258-03	3/3/2010	Ba-140	-3.70E+00	3.60E+00	1.40E+01
TM	LF	L16258-03	3/3/2010	Be-7	-5.00E+00	2.00E+01	7.00E+01
TM	LF	L16258-03	3/3/2010	Ce-141	-6.10E+00	3.20E+00	1.20E+01
TM	LF	L16258-03	3/3/2010	Ce-144	1.00E+00	1.20E+01	4.20E+01
TM	LF	L16258-03	3/3/2010	Co-57	-2.80E+00	1.60E+00	5.70E+00
TM	LF	L16258-03	3/3/2010	Co-58	9.00E-01	2.20E+00	7.80E+00
TM	LF	L16258-03	3/3/2010	Co-60	1.70E+00	2.20E+00	7.70E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	LF	L16258-03	3/3/2010	Cr-51	-2.90E+01	1.90E+01	7.10E+01
TM	LF	L16258-03	3/3/2010	Cs-134	3.60E+00	1.80E+00	7.20E+00
TM	LF	L16258-03	3/3/2010	Cs-137	-5.80E+00	2.20E+00	8.90E+00
TM	LF	L16258-03	3/3/2010	Fe-59	-4.10E+00	4.50E+00	1.70E+01
TM	LF	L16258-03	3/3/2010	I-131	-1.05E-01	1.70E-02	9.80E-01
TM	LF	L16258-03	3/3/2010	K-40	1.54E+03	7.70E+01	1.10E+02 *
TM	LF	L16258-03	3/3/2010	La-140	-3.70E+00	3.60E+00	1.40E+01
TM	LF	L16258-03	3/3/2010	Mn-54	3.20E+00	2.10E+00	6.80E+00
TM	LF	L16258-03	3/3/2010	Nb-95	3.60E+00	2.20E+00	7.40E+00
TM	LF	L16258-03	3/3/2010	Ru-103	-7.30E+00	2.60E+00	1.00E+01
TM	LF	L16258-03	3/3/2010	Ru-106	1.00E+00	2.00E+01	7.10E+01
TM	LF	L16258-03	3/3/2010	Sb-124	-7.10E+00	4.50E+00	1.90E+01
TM	LF	L16258-03	3/3/2010	Sb-125	-2.10E+00	5.30E+00	1.90E+01
TM	LF	L16258-03	3/3/2010	Se-75	-5.30E+00	2.70E+00	1.00E+01
TM	LF	L16258-03	3/3/2010	Zn-65	2.40E+00	5.00E+00	1.70E+01
TM	LF	L16258-03	3/3/2010	Zr-95	-1.00E-01	3.50E+00	1.30E+01
TM	MR	L16295-01	3/17/2010	AcTh-228	6.00E+00	6.50E+00	2.20E+01
TM	MR	L16295-01	3/17/2010	Ag-108m	-6.00E-01	1.40E+00	5.10E+00
TM	MR	L16295-01	3/17/2010	Ag-110m	-8.00E-01	2.30E+00	9.00E+00
TM	MR	L16295-01	3/17/2010	Ba-140	-5.60E+00	3.40E+00	1.40E+01
TM	MR	L16295-01	3/17/2010	Be-7	-2.70E+01	1.60E+01	6.00E+01
TM	MR	L16295-01	3/17/2010	Ce-141	-9.00E+00	2.80E+00	1.00E+01
TM	MR	L16295-01	3/17/2010	Ce-144	5.70E+00	8.70E+00	3.00E+01
TM	MR	L16295-01	3/17/2010	Co-57	2.80E+00	1.20E+00	3.70E+00
TM	MR	L16295-01	3/17/2010	Co-58	-3.40E+00	1.80E+00	6.90E+00
TM	MR	L16295-01	3/17/2010	Co-60	-1.40E+00	1.80E+00	7.00E+00
TM	MR	L16295-01	3/17/2010	Cr-51	-6.00E+00	1.70E+01	6.00E+01
TM	MR	L16295-01	3/17/2010	Cs-134	-1.80E+00	1.20E+00	6.00E+00
TM	MR	L16295-01	3/17/2010	Cs-137	9.00E-01	1.60E+00	5.50E+00
TM	MR	L16295-01	3/17/2010	Fe-59	2.00E+00	4.10E+00	1.40E+01
TM	MR	L16295-01	3/17/2010	I-131	2.00E-01	2.30E-01	8.80E-01
TM	MR	L16295-01	3/17/2010	K-40	1.53E+03	6.70E+01	9.70E+01 *
TM	MR	L16295-01	3/17/2010	La-140	-5.60E+00	3.40E+00	1.40E+01
TM	MR	L16295-01	3/17/2010	Mn-54	-1.40E+00	1.60E+00	6.00E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	MR	L16295-01	3/17/2010	Nb-95	1.10E+00	2.10E+00	7.40E+00
TM	MR	L16295-01	3/17/2010	Ru-103	-3.20E+00	2.20E+00	7.90E+00
TM	MR	L16295-01	3/17/2010	Ru-106	-6.00E+00	1.50E+01	5.40E+01
TM	MR	L16295-01	3/17/2010	Sb-124	3.00E-01	3.80E+00	1.40E+01
TM	MR	L16295-01	3/17/2010	Sb-125	-7.00E-01	4.70E+00	1.60E+01
TM	MR	L16295-01	3/17/2010	Se-75	4.50E+00	2.10E+00	6.60E+00
TM	MR	L16295-01	3/17/2010	Zn-65	-7.20E+00	4.00E+00	1.60E+01
TM	MR	L16295-01	3/17/2010	Zr-95	2.30E+00	3.30E+00	1.10E+01
TM	SF	L16295-02	3/17/2010	AcTh-228	-7.30E+00	6.80E+00	2.50E+01
TM	SF	L16295-02	3/17/2010	Ag-108m	1.00E-01	1.30E+00	4.30E+00
TM	SF	L16295-02	3/17/2010	Ag-110m	-2.60E+00	2.00E+00	7.70E+00
TM	SF	L16295-02	3/17/2010	Ba-140	0.00E+00	3.60E+00	1.30E+01
TM	SF	L16295-02	3/17/2010	Be-7	-2.10E+01	1.30E+01	4.80E+01
TM	SF	L16295-02	3/17/2010	Ce-141	-2.50E+00	1.80E+00	6.40E+00
TM	SF	L16295-02	3/17/2010	Ce-144	-1.60E+00	6.30E+00	2.20E+01
TM	SF	L16295-02	3/17/2010	Co-57	5.40E-01	8.30E-01	2.80E+00
TM	SF	L16295-02	3/17/2010	Co-58	1.00E-01	1.60E+00	5.80E+00
TM	SF	L16295-02	3/17/2010	Co-60	0.00E+00	2.00E+00	7.20E+00
TM	SF	L16295-02	3/17/2010	Cr-51	-1.50E+01	1.30E+01	4.70E+01
TM	SF	L16295-02	3/17/2010	Cs-134	-1.00E-01	1.10E+00	4.70E+00
TM	SF	L16295-02	3/17/2010	Cs-137	2.00E+00	2.00E+00	6.80E+00
TM	SF	L16295-02	3/17/2010	Fe-59	-4.50E+00	4.00E+00	1.50E+01
TM	SF	L16295-02	3/17/2010	I-131	4.00E-02	1.70E-01	9.40E-01
TM	SF	L16295-02	3/17/2010	K-40	1.43E+03	6.00E+01	8.60E+01 *
TM	SF	L16295-02	3/17/2010	La-140	0.00E+00	3.60E+00	1.30E+01
TM	SF	L16295-02	3/17/2010	Mn-54	1.10E+00	1.50E+00	5.30E+00
TM	SF	L16295-02	3/17/2010	Nb-95	4.40E+00	1.90E+00	6.20E+00
TM	SF	L16295-02	3/17/2010	Ru-103	-6.00E-01	1.80E+00	6.20E+00
TM	SF	L16295-02	3/17/2010	Ru-106	-9.00E+00	1.20E+01	4.50E+01
TM	SF	L16295-02	3/17/2010	Sb-124	6.00E-01	3.60E+00	1.30E+01
TM	SF	L16295-02	3/17/2010	Sb-125	2.40E+00	3.70E+00	1.30E+01
TM	SF	L16295-02	3/17/2010	Se-75	6.00E-01	1.60E+00	5.50E+00
TM	SF	L16295-02	3/17/2010	Zn-65	-1.40E+00	3.90E+00	1.40E+01
TM	SF	L16295-02	3/17/2010	Zr-95	1.30E+00	3.10E+00	1.10E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	LF	L16295-03	3/17/2010	AcTh-228	-6.80E+00	8.70E+00	3.20E+01
TM	LF	L16295-03	3/17/2010	Ag-108m	0.00E+00	1.70E+00	6.00E+00
TM	LF	L16295-03	3/17/2010	Ag-110m	-3.80E+00	3.20E+00	1.20E+01
TM	LF	L16295-03	3/17/2010	Ba-140	5.90E+00	4.20E+00	1.40E+01
TM	LF	L16295-03	3/17/2010	Be-7	3.40E+01	1.90E+01	6.20E+01
TM	LF	L16295-03	3/17/2010	Ce-141	-9.50E+00	3.30E+00	1.20E+01
TM	LF	L16295-03	3/17/2010	Ce-144	1.00E+01	1.20E+01	3.90E+01
TM	LF	L16295-03	3/17/2010	Co-57	2.60E+00	1.60E+00	5.30E+00
TM	LF	L16295-03	3/17/2010	Co-58	0.00E+00	2.10E+00	7.60E+00
TM	LF	L16295-03	3/17/2010	Co-60	2.80E+00	2.40E+00	8.00E+00
TM	LF	L16295-03	3/17/2010	Cr-51	-1.60E+01	2.10E+01	7.50E+01
TM	LF	L16295-03	3/17/2010	Cs-134	-4.00E-01	1.50E+00	6.90E+00
TM	LF	L16295-03	3/17/2010	Cs-137	3.10E+00	2.10E+00	7.00E+00
TM	LF	L16295-03	3/17/2010	Fe-59	3.60E+00	4.20E+00	1.50E+01
TM	LF	L16295-03	3/17/2010	I-131	4.00E-02	1.60E-01	8.90E-01
TM	LF	L16295-03	3/17/2010	K-40	1.40E+03	7.40E+01	1.10E+02 *
TM	LF	L16295-03	3/17/2010	La-140	5.90E+00	4.20E+00	1.40E+01
TM	LF	L16295-03	3/17/2010	Mn-54	5.20E+00	2.00E+00	6.30E+00
TM	LF	L16295-03	3/17/2010	Nb-95	-4.00E+00	2.30E+00	9.10E+00
TM	LF	L16295-03	3/17/2010	Ru-103	-2.90E+00	2.80E+00	1.00E+01
TM	LF	L16295-03	3/17/2010	Ru-106	9.00E+00	2.00E+01	6.80E+01
TM	LF	L16295-03	3/17/2010	Sb-124	0.00E+00	4.00E+00	1.60E+01
TM	LF	L16295-03	3/17/2010	Sb-125	0.00E+00	5.00E+00	1.80E+01
TM	LF	L16295-03	3/17/2010	Se-75	6.00E-01	2.80E+00	9.60E+00
TM	LF	L16295-03	3/17/2010	Zn-65	-2.30E+00	5.00E+00	1.80E+01
TM	LF	L16295-03	3/17/2010	Zr-95	3.40E+00	3.30E+00	1.10E+01
TM	MR	L16355-01	3/31/2010	AcTh-228	-2.70E+00	7.90E+00	2.90E+01
TM	MR	L16355-01	3/31/2010	Ag-108m	-5.00E-01	1.30E+00	4.60E+00
TM	MR	L16355-01	3/31/2010	Ag-110m	-6.30E+00	2.90E+00	1.10E+01
TM	MR	L16355-01	3/31/2010	Ba-140	3.60E+00	4.10E+00	1.40E+01
TM	MR	L16355-01	3/31/2010	Be-7	4.00E+00	1.50E+01	5.20E+01
TM	MR	L16355-01	3/31/2010	Ce-141	-4.00E-01	2.40E+00	8.40E+00
TM	MR	L16355-01	3/31/2010	Ce-144	-1.00E+00	8.80E+00	3.00E+01
TM	MR	L16355-01	3/31/2010	Co-57	-3.40E-01	9.50E-01	3.30E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	MR	L16355-01	3/31/2010	Co-58	-2.30E+00	1.90E+00	7.20E+00
TM	MR	L16355-01	3/31/2010	Co-60	2.60E+00	2.50E+00	8.50E+00
TM	MR	L16355-01	3/31/2010	Cr-51	-1.00E+00	1.30E+01	4.60E+01
TM	MR	L16355-01	3/31/2010	Cs-134	1.00E-01	1.70E+00	7.60E+00
TM	MR	L16355-01	3/31/2010	Cs-137	-2.80E+00	2.10E+00	7.70E+00
TM	MR	L16355-01	3/31/2010	Fe-59	-3.40E+00	5.30E+00	1.90E+01
TM	MR	L16355-01	3/31/2010	I-131	-3.00E-02	1.50E-01	9.60E-01
TM	MR	L16355-01	3/31/2010	K-40	1.76E+03	8.10E+01	1.00E+02 *
TM	MR	L16355-01	3/31/2010	La-140	3.60E+00	4.10E+00	1.40E+01
TM	MR	L16355-01	3/31/2010	Mn-54	2.00E-01	2.00E+00	7.10E+00
TM	MR	L16355-01	3/31/2010	Nb-95	3.00E-01	2.20E+00	7.80E+00
TM	MR	L16355-01	3/31/2010	Ru-103	3.00E-01	1.70E+00	6.10E+00
TM	MR	L16355-01	3/31/2010	Ru-106	-5.00E+00	1.80E+01	6.50E+01
TM	MR	L16355-01	3/31/2010	Sb-124	3.40E+00	4.00E+00	1.40E+01
TM	MR	L16355-01	3/31/2010	Sb-125	8.30E+00	4.10E+00	1.30E+01
TM	MR	L16355-01	3/31/2010	Se-75	5.00E-01	1.90E+00	6.60E+00
TM	MR	L16355-01	3/31/2010	Zn-65	1.10E+00	5.50E+00	1.90E+01
TM	MR	L16355-01	3/31/2010	Zr-95	1.10E+00	3.40E+00	1.20E+01
TM	SF	L16355-02	3/31/2010	AcTh-228	-2.60E+00	7.90E+00	2.90E+01
TM	SF	L16355-02	3/31/2010	Ag-108m	-2.10E+00	1.60E+00	6.00E+00
TM	SF	L16355-02	3/31/2010	Ag-110m	4.80E+00	2.60E+00	8.40E+00
TM	SF	L16355-02	3/31/2010	Ba-140	-1.10E+00	3.40E+00	1.30E+01
TM	SF	L16355-02	3/31/2010	Be-7	-3.00E+00	1.80E+01	6.40E+01
TM	SF	L16355-02	3/31/2010	Ce-141	-1.60E+00	3.10E+00	1.10E+01
TM	SF	L16355-02	3/31/2010	Ce-144	1.00E+00	1.10E+01	3.80E+01
TM	SF	L16355-02	3/31/2010	Co-57	-7.00E-01	1.40E+00	4.80E+00
TM	SF	L16355-02	3/31/2010	Co-58	-1.50E+00	1.80E+00	7.00E+00
TM	SF	L16355-02	3/31/2010	Co-60	2.50E+00	2.40E+00	8.10E+00
TM	SF	L16355-02	3/31/2010	Cr-51	-8.00E+00	1.90E+01	6.80E+01
TM	SF	L16355-02	3/31/2010	Cs-134	2.60E+00	1.70E+00	6.50E+00
TM	SF	L16355-02	3/31/2010	Cs-137	-8.00E-01	2.00E+00	7.30E+00
TM	SF	L16355-02	3/31/2010	Fe-59	-3.00E+00	4.10E+00	1.50E+01
TM	SF	L16355-02	3/31/2010	I-131	3.80E-01	2.80E-01	9.00E-01
TM	SF	L16355-02	3/31/2010	K-40	1.56E+03	7.00E+01	8.40E+01 *

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	SF	L16355-02	3/31/2010	La-140	-1.10E+00	3.40E+00	1.30E+01
TM	SF	L16355-02	3/31/2010	Mn-54	3.90E+00	2.10E+00	6.60E+00
TM	SF	L16355-02	3/31/2010	Nb-95	-2.70E+00	2.20E+00	8.20E+00
TM	SF	L16355-02	3/31/2010	Ru-103	-1.80E+00	2.40E+00	8.60E+00
TM	SF	L16355-02	3/31/2010	Ru-106	-1.30E+01	2.00E+01	7.10E+01
TM	SF	L16355-02	3/31/2010	Sb-124	1.50E+00	4.40E+00	1.60E+01
TM	SF	L16355-02	3/31/2010	Sb-125	-4.30E+00	4.80E+00	1.80E+01
TM	SF	L16355-02	3/31/2010	Se-75	-2.10E+00	2.40E+00	8.50E+00
TM	SF	L16355-02	3/31/2010	Zn-65	-1.00E+00	4.50E+00	1.60E+01
TM	SF	L16355-02	3/31/2010	Zr-95	3.00E+00	3.20E+00	1.10E+01
TM	LF	L16355-03	3/31/2010	AcTh-228	-1.40E+00	9.40E+00	3.50E+01
TM	LF	L16355-03	3/31/2010	Ag-108m	1.10E+00	2.40E+00	8.20E+00
TM	LF	L16355-03	3/31/2010	Ag-110m	5.00E-01	3.00E+00	1.10E+01
TM	LF	L16355-03	3/31/2010	Ba-140	1.00E+01	3.90E+00	1.10E+01
TM	LF	L16355-03	3/31/2010	Be-7	2.00E+00	2.10E+01	7.40E+01
TM	LF	L16355-03	3/31/2010	Ce-141	1.90E+00	3.20E+00	1.10E+01
TM	LF	L16355-03	3/31/2010	Ce-144	-5.00E+00	1.20E+01	4.30E+01
TM	LF	L16355-03	3/31/2010	Co-57	1.00E-01	1.50E+00	5.10E+00
TM	LF	L16355-03	3/31/2010	Co-58	7.00E-01	2.60E+00	9.30E+00
TM	LF	L16355-03	3/31/2010	Co-60	0.00E+00	2.70E+00	1.00E+01
TM	LF	L16355-03	3/31/2010	Cr-51	-1.80E+01	1.90E+01	7.20E+01
TM	LF	L16355-03	3/31/2010	Cs-134	2.00E-01	1.50E+00	7.30E+00
TM	LF	L16355-03	3/31/2010	Cs-137	-3.20E+00	2.10E+00	8.70E+00
TM	LF	L16355-03	3/31/2010	Fe-59	1.20E+00	5.80E+00	2.10E+01
TM	LF	L16355-03	3/31/2010	I-131	-1.76E-01	2.80E-02	8.80E-01
TM	LF	L16355-03	3/31/2010	K-40	1.61E+03	9.20E+01	1.10E+02 *
TM	LF	L16355-03	3/31/2010	La-140	1.00E+01	3.90E+00	1.10E+01
TM	LF	L16355-03	3/31/2010	Mn-54	-3.70E+00	2.60E+00	1.00E+01
TM	LF	L16355-03	3/31/2010	Nb-95	-3.00E+00	3.00E+00	1.10E+01
TM	LF	L16355-03	3/31/2010	Ru-103	9.00E-01	2.80E+00	1.00E+01
TM	LF	L16355-03	3/31/2010	Ru-106	-4.00E+00	1.90E+01	6.90E+01
TM	LF	L16355-03	3/31/2010	Sb-124	-4.80E+00	6.10E+00	2.50E+01
TM	LF	L16355-03	3/31/2010	Sb-125	-6.40E+00	6.40E+00	2.40E+01
TM	LF	L16355-03	3/31/2010	Se-75	-8.60E+00	2.90E+00	1.10E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	LF	L16355-03	3/31/2010	Zn-65	-8.00E+00	7.40E+00	2.80E+01
TM	LF	L16355-03	3/31/2010	Zr-95	5.50E+00	4.20E+00	1.40E+01
TM	MR	L16408-01	4/14/2010	AcTh-228	7.40E+00	6.40E+00	2.20E+01
TM	MR	L16408-01	4/14/2010	Ag-108m	7.00E-01	1.30E+00	4.30E+00
TM	MR	L16408-01	4/14/2010	Ag-110m	2.10E+00	2.30E+00	7.90E+00
TM	MR	L16408-01	4/14/2010	Ba-140	-3.20E+00	3.60E+00	1.40E+01
TM	MR	L16408-01	4/14/2010	Be-7	6.00E+00	1.30E+01	4.60E+01
TM	MR	L16408-01	4/14/2010	Ce-141	-1.30E+00	2.00E+00	7.00E+00
TM	MR	L16408-01	4/14/2010	Ce-144	4.90E+00	7.50E+00	2.50E+01
TM	MR	L16408-01	4/14/2010	Co-57	5.40E-01	8.10E-01	2.70E+00
TM	MR	L16408-01	4/14/2010	Co-58	-1.00E+00	1.70E+00	6.20E+00
TM	MR	L16408-01	4/14/2010	Co-60	3.90E+00	2.20E+00	7.10E+00
TM	MR	L16408-01	4/14/2010	Cr-51	4.00E+00	1.10E+01	3.90E+01
TM	MR	L16408-01	4/14/2010	Cs-134	2.00E-01	1.50E+00	6.70E+00
TM	MR	L16408-01	4/14/2010	Cs-137	1.70E+00	1.70E+00	5.70E+00
TM	MR	L16408-01	4/14/2010	Fe-59	-4.00E+00	4.80E+00	1.70E+01
TM	MR	L16408-01	4/14/2010	I-131	4.00E-01	2.60E-01	8.10E-01
TM	MR	L16408-01	4/14/2010	K-40	1.79E+03	7.10E+01	9.20E+01 *
TM	MR	L16408-01	4/14/2010	La-140	-3.20E+00	3.60E+00	1.40E+01
TM	MR	L16408-01	4/14/2010	Mn-54	-5.00E-01	1.50E+00	5.50E+00
TM	MR	L16408-01	4/14/2010	Nb-95	4.00E-01	1.90E+00	6.70E+00
TM	MR	L16408-01	4/14/2010	Ru-103	1.00E-01	1.70E+00	5.90E+00
TM	MR	L16408-01	4/14/2010	Ru-106	-5.00E+00	1.50E+01	5.40E+01
TM	MR	L16408-01	4/14/2010	Sb-124	4.40E+00	4.30E+00	1.50E+01
TM	MR	L16408-01	4/14/2010	Sb-125	3.00E+00	3.70E+00	1.30E+01
TM	MR	L16408-01	4/14/2010	Se-75	-1.70E+00	1.70E+00	6.00E+00
TM	MR	L16408-01	4/14/2010	Zn-65	-8.80E+00	4.80E+00	1.80E+01
TM	MR	L16408-01	4/14/2010	Zr-95	2.10E+00	2.70E+00	9.40E+00
TM	SF	L16408-02	4/14/2010	AcTh-228	-2.70E+00	7.90E+00	2.90E+01
TM	SF	L16408-02	4/14/2010	Ag-108m	-1.50E+00	1.50E+00	5.50E+00
TM	SF	L16408-02	4/14/2010	Ag-110m	2.70E+00	2.60E+00	8.80E+00
TM	SF	L16408-02	4/14/2010	Ba-140	-2.40E+00	2.90E+00	1.20E+01
TM	SF	L16408-02	4/14/2010	Be-7	-2.10E+01	1.50E+01	5.50E+01
TM	SF	L16408-02	4/14/2010	Ce-141	1.30E+00	2.40E+00	8.20E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	SF	L16408-02	4/14/2010	Ce-144	8.40E+00	7.40E+00	2.50E+01
TM	SF	L16408-02	4/14/2010	Co-57	-5.60E-01	9.50E-01	3.30E+00
TM	SF	L16408-02	4/14/2010	Co-58	-1.90E+00	1.70E+00	6.50E+00
TM	SF	L16408-02	4/14/2010	Co-60	1.00E+00	1.90E+00	6.90E+00
TM	SF	L16408-02	4/14/2010	Cr-51	-3.00E+00	1.40E+01	4.80E+01
TM	SF	L16408-02	4/14/2010	Cs-134	-1.90E+00	1.30E+00	6.80E+00
TM	SF	L16408-02	4/14/2010	Cs-137	-2.20E+00	2.10E+00	7.70E+00
TM	SF	L16408-02	4/14/2010	Fe-59	-4.20E+00	4.90E+00	1.80E+01
TM	SF	L16408-02	4/14/2010	I-131	3.00E-02	1.90E-01	9.30E-01
TM	SF	L16408-02	4/14/2010	K-40	1.36E+03	7.30E+01	1.10E+02 *
TM	SF	L16408-02	4/14/2010	La-140	-2.40E+00	2.90E+00	1.20E+01
TM	SF	L16408-02	4/14/2010	Mn-54	-3.00E-01	1.80E+00	6.40E+00
TM	SF	L16408-02	4/14/2010	Nb-95	8.00E-01	1.80E+00	6.30E+00
TM	SF	L16408-02	4/14/2010	Ru-103	-2.00E-01	1.80E+00	6.40E+00
TM	SF	L16408-02	4/14/2010	Ru-106	1.30E+01	1.70E+01	6.00E+01
TM	SF	L16408-02	4/14/2010	Sb-124	8.60E+00	4.40E+00	1.40E+01
TM	SF	L16408-02	4/14/2010	Sb-125	-9.20E+00	4.30E+00	1.70E+01
TM	SF	L16408-02	4/14/2010	Se-75	-1.80E+00	1.90E+00	6.70E+00
TM	SF	L16408-02	4/14/2010	Zn-65	0.00E+00	4.40E+00	1.60E+01
TM	SF	L16408-02	4/14/2010	Zr-95	9.00E-01	2.90E+00	1.00E+01
TM	LF	L16408-03	4/14/2010	AcTh-228	2.30E+00	8.40E+00	3.00E+01
TM	LF	L16408-03	4/14/2010	Ag-108m	1.80E+00	1.80E+00	6.20E+00
TM	LF	L16408-03	4/14/2010	Ag-110m	-1.50E+00	2.90E+00	1.10E+01
TM	LF	L16408-03	4/14/2010	Ba-140	-1.30E+00	3.60E+00	1.40E+01
TM	LF	L16408-03	4/14/2010	Be-7	1.70E+01	1.90E+01	6.50E+01
TM	LF	L16408-03	4/14/2010	Ce-141	-9.50E+00	3.30E+00	1.30E+01
TM	LF	L16408-03	4/14/2010	Ce-144	-6.00E+00	1.20E+01	4.20E+01
TM	LF	L16408-03	4/14/2010	Co-57	-6.00E-01	1.60E+00	5.60E+00
TM	LF	L16408-03	4/14/2010	Co-58	-1.90E+00	2.00E+00	7.80E+00
TM	LF	L16408-03	4/14/2010	Co-60	-2.00E+00	2.40E+00	9.40E+00
TM	LF	L16408-03	4/14/2010	Cr-51	-6.00E+00	2.00E+01	7.00E+01
TM	LF	L16408-03	4/14/2010	Cs-134	-1.50E+00	1.50E+00	7.10E+00
TM	LF	L16408-03	4/14/2010	Cs-137	-3.50E+00	2.60E+00	9.70E+00
TM	LF	L16408-03	4/14/2010	Fe-59	-8.60E+00	4.30E+00	1.80E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE		LSN	REFERENCE		CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TYPE	STATION		DATE	NUCLIDE			
TM	LF	L16408-03	4/14/2010	I-131	-1.59E-01	8.50E-02	6.50E-01
TM	LF	L16408-03	4/14/2010	K-40	1.55E+03	7.90E+01	1.00E+02 *
TM	LF	L16408-03	4/14/2010	La-140	-1.30E+00	3.60E+00	1.40E+01
TM	LF	L16408-03	4/14/2010	Mn-54	2.30E+00	2.10E+00	7.20E+00
TM	LF	L16408-03	4/14/2010	Nb-95	2.00E-01	2.40E+00	8.50E+00
TM	LF	L16408-03	4/14/2010	Ru-103	9.00E-01	2.60E+00	8.90E+00
TM	LF	L16408-03	4/14/2010	Ru-106	9.00E+00	2.20E+01	7.70E+01
TM	LF	L16408-03	4/14/2010	Sb-124	9.00E-01	5.50E+00	2.00E+01
TM	LF	L16408-03	4/14/2010	Sb-125	7.60E+00	5.50E+00	1.80E+01
TM	LF	L16408-03	4/14/2010	Se-75	-1.60E+00	2.70E+00	9.70E+00
TM	LF	L16408-03	4/14/2010	Zn-65	4.40E+00	5.10E+00	1.70E+01
TM	LF	L16408-03	4/14/2010	Zr-95	-4.70E+00	3.50E+00	1.40E+01
TM	MR	L16474-01	4/28/2010	AcTh-228	1.25E+01	7.80E+00	2.60E+01
TM	MR	L16474-01	4/28/2010	Ag-108m	-1.70E+00	1.40E+00	5.30E+00
TM	MR	L16474-01	4/28/2010	Ag-110m	8.00E-01	2.30E+00	8.30E+00
TM	MR	L16474-01	4/28/2010	Ba-140	1.20E+00	4.00E+00	1.50E+01
TM	MR	L16474-01	4/28/2010	Be-7	-7.00E+00	1.50E+01	5.40E+01
TM	MR	L16474-01	4/28/2010	Ce-141	-6.00E-01	2.60E+00	9.00E+00
TM	MR	L16474-01	4/28/2010	Ce-144	2.00E-01	8.70E+00	3.00E+01
TM	MR	L16474-01	4/28/2010	Co-57	-7.00E-01	1.10E+00	4.00E+00
TM	MR	L16474-01	4/28/2010	Co-58	1.00E+00	1.90E+00	6.70E+00
TM	MR	L16474-01	4/28/2010	Co-60	-2.10E+00	1.90E+00	7.30E+00
TM	MR	L16474-01	4/28/2010	Cr-51	2.00E+00	1.70E+01	6.00E+01
TM	MR	L16474-01	4/28/2010	Cs-134	-1.60E+00	1.20E+00	5.60E+00
TM	MR	L16474-01	4/28/2010	Cs-137	4.00E-01	1.60E+00	5.80E+00
TM	MR	L16474-01	4/28/2010	Fe-59	2.50E+00	4.50E+00	1.60E+01
TM	MR	L16474-01	4/28/2010	I-131	6.50E-01	3.40E-01	8.80E-01
TM	MR	L16474-01	4/28/2010	K-40	1.68E+03	7.00E+01	8.90E+01 *
TM	MR	L16474-01	4/28/2010	La-140	1.20E+00	4.00E+00	1.50E+01
TM	MR	L16474-01	4/28/2010	Mn-54	0.00E+00	1.90E+00	6.70E+00
TM	MR	L16474-01	4/28/2010	Nb-95	-9.00E-01	2.20E+00	8.10E+00
TM	MR	L16474-01	4/28/2010	Ru-103	-1.60E+00	2.20E+00	8.10E+00
TM	MR	L16474-01	4/28/2010	Ru-106	-1.20E+01	1.30E+01	4.80E+01
TM	MR	L16474-01	4/28/2010	Sb-124	-3.30E+00	4.20E+00	1.70E+01

\* Radioactivity detected in sample (i.e., concentration &gt; 3 X standard deviation)

+ Minimum Detectable Concentration &gt; Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	MR	L16474-01	4/28/2010	Sb-125	-6.30E+00	4.60E+00	1.70E+01
TM	MR	L16474-01	4/28/2010	Se-75	-1.40E+00	2.00E+00	7.20E+00
TM	MR	L16474-01	4/28/2010	Zn-65	-4.90E+00	5.00E+00	1.80E+01
TM	MR	L16474-01	4/28/2010	Zr-95	-5.30E+00	3.10E+00	1.20E+01
TM	SF	L16474-02	4/28/2010	AcTh-228	6.00E-01	5.70E+00	2.00E+01
TM	SF	L16474-02	4/28/2010	Ag-108m	-1.00E-01	1.30E+00	4.40E+00
TM	SF	L16474-02	4/28/2010	Ag-110m	-2.80E+00	2.10E+00	7.90E+00
TM	SF	L16474-02	4/28/2010	Ba-140	-3.80E+00	3.20E+00	1.30E+01
TM	SF	L16474-02	4/28/2010	Be-7	-1.90E+01	1.40E+01	5.10E+01
TM	SF	L16474-02	4/28/2010	Ce-141	-5.00E-01	2.70E+00	9.40E+00
TM	SF	L16474-02	4/28/2010	Ce-144	-3.30E+00	8.70E+00	3.00E+01
TM	SF	L16474-02	4/28/2010	Co-57	2.10E+00	1.20E+00	3.80E+00
TM	SF	L16474-02	4/28/2010	Co-58	1.00E-01	1.70E+00	5.90E+00
TM	SF	L16474-02	4/28/2010	Co-60	9.00E-01	1.60E+00	5.60E+00
TM	SF	L16474-02	4/28/2010	Cr-51	-1.20E+01	1.60E+01	5.80E+01
TM	SF	L16474-02	4/28/2010	Cs-134	-1.80E+00	1.10E+00	5.60E+00
TM	SF	L16474-02	4/28/2010	Cs-137	-3.10E+00	1.70E+00	6.20E+00
TM	SF	L16474-02	4/28/2010	Fe-59	-1.70E+00	3.40E+00	1.30E+01
TM	SF	L16474-02	4/28/2010	I-131	-2.00E-02	1.50E-01	9.10E-01
TM	SF	L16474-02	4/28/2010	K-40	1.62E+03	5.60E+01	6.00E+01 *
TM	SF	L16474-02	4/28/2010	La-140	-3.80E+00	3.20E+00	1.30E+01
TM	SF	L16474-02	4/28/2010	Mn-54	-9.00E-01	1.60E+00	5.80E+00
TM	SF	L16474-02	4/28/2010	Nb-95	-1.40E+00	1.60E+00	6.00E+00
TM	SF	L16474-02	4/28/2010	Ru-103	-6.00E-01	2.00E+00	7.10E+00
TM	SF	L16474-02	4/28/2010	Ru-106	-1.50E+01	1.60E+01	5.80E+01
TM	SF	L16474-02	4/28/2010	Sb-124	2.00E+00	3.30E+00	1.20E+01
TM	SF	L16474-02	4/28/2010	Sb-125	1.90E+00	3.70E+00	1.30E+01
TM	SF	L16474-02	4/28/2010	Se-75	-2.10E+00	2.00E+00	6.90E+00
TM	SF	L16474-02	4/28/2010	Zn-65	1.90E+00	3.20E+00	1.10E+01
TM	SF	L16474-02	4/28/2010	Zr-95	-4.00E-01	2.60E+00	9.30E+00
TM	LF	L16474-03	4/28/2010	AcTh-228	-7.60E+00	6.40E+00	2.40E+01
TM	LF	L16474-03	4/28/2010	Ag-108m	-2.00E+00	1.60E+00	5.80E+00
TM	LF	L16474-03	4/28/2010	Ag-110m	-2.60E+00	2.60E+00	9.80E+00
TM	LF	L16474-03	4/28/2010	Ba-140	8.30E+00	4.20E+00	1.30E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	LF	L16474-03	4/28/2010	Be-7	1.00E+01	1.80E+01	6.00E+01
TM	LF	L16474-03	4/28/2010	Ce-141	-3.20E+00	2.90E+00	1.00E+01
TM	LF	L16474-03	4/28/2010	Ce-144	8.30E+00	9.30E+00	3.10E+01
TM	LF	L16474-03	4/28/2010	Co-57	5.00E-01	1.30E+00	4.40E+00
TM	LF	L16474-03	4/28/2010	Co-58	-9.00E-01	1.90E+00	7.00E+00
TM	LF	L16474-03	4/28/2010	Co-60	-2.20E+00	2.00E+00	7.90E+00
TM	LF	L16474-03	4/28/2010	Cr-51	7.00E+00	1.80E+01	6.10E+01
TM	LF	L16474-03	4/28/2010	Cs-134	-8.00E-01	1.20E+00	6.20E+00
TM	LF	L16474-03	4/28/2010	Cs-137	1.40E+00	1.60E+00	5.60E+00
TM	LF	L16474-03	4/28/2010	Fe-59	4.10E+00	4.50E+00	1.60E+01
TM	LF	L16474-03	4/28/2010	I-131	-1.61E-01	3.10E-02	9.00E-01
TM	LF	L16474-03	4/28/2010	K-40	1.34E+03	6.40E+01	7.80E+01 *
TM	LF	L16474-03	4/28/2010	La-140	8.30E+00	4.20E+00	1.30E+01
TM	LF	L16474-03	4/28/2010	Mn-54	-1.00E+00	1.70E+00	6.40E+00
TM	LF	L16474-03	4/28/2010	Nb-95	-5.00E-01	2.20E+00	8.10E+00
TM	LF	L16474-03	4/28/2010	Ru-103	1.00E-01	2.10E+00	7.50E+00
TM	LF	L16474-03	4/28/2010	Ru-106	4.00E+00	1.50E+01	5.40E+01
TM	LF	L16474-03	4/28/2010	Sb-124	-2.30E+00	3.50E+00	1.50E+01
TM	LF	L16474-03	4/28/2010	Sb-125	1.30E+00	4.60E+00	1.60E+01
TM	LF	L16474-03	4/28/2010	Se-75	-2.40E+00	2.10E+00	7.50E+00
TM	LF	L16474-03	4/28/2010	Zn-65	2.00E-01	4.30E+00	1.50E+01
TM	LF	L16474-03	4/28/2010	Zr-95	4.50E+00	3.50E+00	1.20E+01
TM	MR	L16521-01	5/12/2010	AcTh-228	-3.50E+00	6.80E+00	2.40E+01
TM	MR	L16521-01	5/12/2010	Ag-108m	-3.20E+00	1.50E+00	5.40E+00
TM	MR	L16521-01	5/12/2010	Ag-110m	-5.40E+00	2.30E+00	8.80E+00
TM	MR	L16521-01	5/12/2010	Ba-140	0.00E+00	3.70E+00	1.40E+01
TM	MR	L16521-01	5/12/2010	Be-7	-8.00E+00	1.60E+01	5.60E+01
TM	MR	L16521-01	5/12/2010	Ce-141	-4.30E+00	3.00E+00	1.10E+01
TM	MR	L16521-01	5/12/2010	Ce-144	-1.90E+00	9.60E+00	3.30E+01
TM	MR	L16521-01	5/12/2010	Co-57	2.00E+00	1.30E+00	4.40E+00
TM	MR	L16521-01	5/12/2010	Co-58	2.00E-01	1.80E+00	6.30E+00
TM	MR	L16521-01	5/12/2010	Co-60	1.30E+00	1.80E+00	6.30E+00
TM	MR	L16521-01	5/12/2010	Cr-51	3.00E+01	1.80E+01	5.90E+01
TM	MR	L16521-01	5/12/2010	Cs-134	-2.30E+00	1.70E+00	6.60E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	MR	L16521-01	5/12/2010	Cs-137	6.00E-01	1.90E+00	6.50E+00
TM	MR	L16521-01	5/12/2010	Fe-59	6.70E+00	4.20E+00	1.40E+01
TM	MR	L16521-01	5/12/2010	I-131	1.40E-01	2.00E-01	8.80E-01
TM	MR	L16521-01	5/12/2010	K-40	2.11E+03	6.90E+01	7.10E+01 *
TM	MR	L16521-01	5/12/2010	La-140	0.00E+00	3.70E+00	1.40E+01
TM	MR	L16521-01	5/12/2010	Mn-54	6.00E-01	1.70E+00	6.00E+00
TM	MR	L16521-01	5/12/2010	Nb-95	3.00E-01	2.20E+00	7.70E+00
TM	MR	L16521-01	5/12/2010	Ru-103	1.00E-01	2.20E+00	7.50E+00
TM	MR	L16521-01	5/12/2010	Ru-106	-2.90E+01	1.60E+01	5.90E+01
TM	MR	L16521-01	5/12/2010	Sb-124	-2.30E+00	3.40E+00	1.30E+01
TM	MR	L16521-01	5/12/2010	Sb-125	1.00E+00	4.60E+00	1.60E+01
TM	MR	L16521-01	5/12/2010	Se-75	-5.00E-01	2.20E+00	7.60E+00
TM	MR	L16521-01	5/12/2010	Zn-65	-8.00E-01	4.10E+00	1.50E+01
TM	MR	L16521-01	5/12/2010	Zr-95	3.80E+00	2.80E+00	9.30E+00
TM	SF	L16521-02	5/12/2010	AcTh-228	8.60E+00	6.40E+00	2.10E+01
TM	SF	L16521-02	5/12/2010	Ag-108m	-2.00E-01	1.50E+00	5.10E+00
TM	SF	L16521-02	5/12/2010	Ag-110m	-9.00E-01	2.20E+00	8.00E+00
TM	SF	L16521-02	5/12/2010	Ba-140	7.10E+00	4.20E+00	1.40E+01
TM	SF	L16521-02	5/12/2010	Be-7	1.60E+01	1.60E+01	5.20E+01
TM	SF	L16521-02	5/12/2010	Ce-141	9.00E-01	2.50E+00	8.40E+00
TM	SF	L16521-02	5/12/2010	Ce-144	1.04E+01	9.50E+00	3.20E+01
TM	SF	L16521-02	5/12/2010	Co-57	-1.20E+00	1.20E+00	4.10E+00
TM	SF	L16521-02	5/12/2010	Co-58	-3.80E+00	1.70E+00	6.70E+00
TM	SF	L16521-02	5/12/2010	Co-60	9.00E-01	2.00E+00	7.00E+00
TM	SF	L16521-02	5/12/2010	Cr-51	-9.00E+00	1.70E+01	5.90E+01
TM	SF	L16521-02	5/12/2010	Cs-134	-1.50E+00	1.60E+00	6.30E+00
TM	SF	L16521-02	5/12/2010	Cs-137	-1.00E+00	1.70E+00	6.10E+00
TM	SF	L16521-02	5/12/2010	Fe-59	-1.00E+00	4.00E+00	1.50E+01
TM	SF	L16521-02	5/12/2010	I-131	1.40E-01	2.10E-01	9.20E-01
TM	SF	L16521-02	5/12/2010	K-40	1.57E+03	6.40E+01	8.40E+01 *
TM	SF	L16521-02	5/12/2010	La-140	7.10E+00	4.20E+00	1.40E+01
TM	SF	L16521-02	5/12/2010	Mn-54	1.60E+00	1.70E+00	5.60E+00
TM	SF	L16521-02	5/12/2010	Nb-95	-7.00E-01	2.30E+00	8.00E+00
TM	SF	L16521-02	5/12/2010	Ru-103	-2.80E+00	1.90E+00	7.10E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	SF	L16521-02	5/12/2010	Ru-106	-3.00E+00	1.40E+01	5.10E+01
TM	SF	L16521-02	5/12/2010	Sb-124	-8.00E-01	3.70E+00	1.40E+01
TM	SF	L16521-02	5/12/2010	Sb-125	6.00E+00	4.50E+00	1.50E+01
TM	SF	L16521-02	5/12/2010	Se-75	2.00E-01	2.00E+00	7.00E+00
TM	SF	L16521-02	5/12/2010	Zn-65	1.13E+01	7.10E+00	2.30E+01
TM	SF	L16521-02	5/12/2010	Zr-95	-3.00E-01	3.20E+00	1.10E+01
TM	LF	L16521-03	5/12/2010	AcTh-228	-6.90E+00	6.70E+00	2.50E+01
TM	LF	L16521-03	5/12/2010	Ag-108m	0.00E+00	1.50E+00	5.40E+00
TM	LF	L16521-03	5/12/2010	Ag-110m	-6.00E-01	2.40E+00	8.90E+00
TM	LF	L16521-03	5/12/2010	Ba-140	-2.30E+00	3.70E+00	1.50E+01
TM	LF	L16521-03	5/12/2010	Be-7	6.00E+00	1.60E+01	5.60E+01
TM	LF	L16521-03	5/12/2010	Ce-141	-1.00E-01	2.50E+00	8.80E+00
TM	LF	L16521-03	5/12/2010	Ce-144	7.60E+00	8.60E+00	2.90E+01
TM	LF	L16521-03	5/12/2010	Co-57	-1.10E+00	1.20E+00	4.20E+00
TM	LF	L16521-03	5/12/2010	Co-58	-2.30E+00	2.00E+00	7.50E+00
TM	LF	L16521-03	5/12/2010	Co-60	-8.00E-01	1.70E+00	6.50E+00
TM	LF	L16521-03	5/12/2010	Cr-51	1.40E+01	1.70E+01	5.60E+01
TM	LF	L16521-03	5/12/2010	Cs-134	-3.70E+00	1.50E+00	7.70E+00
TM	LF	L16521-03	5/12/2010	Cs-137	7.00E-01	1.70E+00	5.90E+00
TM	LF	L16521-03	5/12/2010	Fe-59	-2.90E+00	4.10E+00	1.50E+01
TM	LF	L16521-03	5/12/2010	I-131	-1.00E-02	1.50E-01	9.00E-01
TM	LF	L16521-03	5/12/2010	K-40	1.43E+03	6.70E+01	8.70E+01 *
TM	LF	L16521-03	5/12/2010	La-140	-2.30E+00	3.70E+00	1.50E+01
TM	LF	L16521-03	5/12/2010	Mn-54	-1.30E+00	1.90E+00	6.90E+00
TM	LF	L16521-03	5/12/2010	Nb-95	-6.00E-01	2.10E+00	7.70E+00
TM	LF	L16521-03	5/12/2010	Ru-103	1.50E+00	2.00E+00	6.80E+00
TM	LF	L16521-03	5/12/2010	Ru-106	-1.30E+01	1.50E+01	5.60E+01
TM	LF	L16521-03	5/12/2010	Sb-124	3.30E+00	4.40E+00	1.50E+01
TM	LF	L16521-03	5/12/2010	Sb-125	-8.10E+00	4.40E+00	1.70E+01
TM	LF	L16521-03	5/12/2010	Se-75	6.00E-01	1.90E+00	6.60E+00
TM	LF	L16521-03	5/12/2010	Zn-65	-8.10E+00	4.20E+00	1.60E+01
TM	LF	L16521-03	5/12/2010	Zr-95	4.00E-01	2.70E+00	9.90E+00
TM	MR	L16572-01	5/26/2010	AcTh-228	-2.90E+00	5.60E+00	2.00E+01
TM	MR	L16572-01	5/26/2010	Ag-108m	9.00E-01	9.40E-01	3.10E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	MR	L16572-01	5/26/2010	Ag-110m	1.90E+00	1.90E+00	6.20E+00
TM	MR	L16572-01	5/26/2010	Ba-140	-4.10E+00	2.80E+00	1.10E+01
TM	MR	L16572-01	5/26/2010	Be-7	2.40E+01	9.80E+00	3.10E+01
TM	MR	L16572-01	5/26/2010	Ce-141	4.90E+00	1.70E+00	5.30E+00
TM	MR	L16572-01	5/26/2010	Ce-144	4.00E+00	4.70E+00	1.60E+01
TM	MR	L16572-01	5/26/2010	Co-57	6.20E-01	6.10E-01	2.00E+00
TM	MR	L16572-01	5/26/2010	Co-58	0.00E+00	1.20E+00	4.10E+00
TM	MR	L16572-01	5/26/2010	Co-60	-1.10E+00	1.40E+00	5.10E+00
TM	MR	L16572-01	5/26/2010	Cr-51	-7.90E+00	9.90E+00	3.50E+01
TM	MR	L16572-01	5/26/2010	Cs-134	-1.02E+00	9.80E-01	4.40E+00
TM	MR	L16572-01	5/26/2010	Cs-137	-1.30E+00	1.30E+00	4.70E+00
TM	MR	L16572-01	5/26/2010	Fe-59	-3.60E+00	3.20E+00	1.20E+01
TM	MR	L16572-01	5/26/2010	I-131	1.00E-01	2.10E-01	9.40E-01
TM	MR	L16572-01	5/26/2010	K-40	1.81E+03	5.10E+01	6.70E+01 *
TM	MR	L16572-01	5/26/2010	La-140	-4.10E+00	2.80E+00	1.10E+01
TM	MR	L16572-01	5/26/2010	Mn-54	-8.00E-01	1.10E+00	4.00E+00
TM	MR	L16572-01	5/26/2010	Nb-95	1.20E+00	1.50E+00	5.00E+00
TM	MR	L16572-01	5/26/2010	Ru-103	-3.40E+00	1.30E+00	4.80E+00
TM	MR	L16572-01	5/26/2010	Ru-106	-2.00E+00	1.10E+01	3.90E+01
TM	MR	L16572-01	5/26/2010	Sb-124	-9.00E-01	3.20E+00	1.20E+01
TM	MR	L16572-01	5/26/2010	Sb-125	-5.00E-01	2.90E+00	1.00E+01
TM	MR	L16572-01	5/26/2010	Se-75	2.30E+00	1.20E+00	4.00E+00
TM	MR	L16572-01	5/26/2010	Zn-65	-6.40E+00	3.20E+00	1.20E+01
TM	MR	L16572-01	5/26/2010	Zr-95	-1.50E+00	2.10E+00	7.40E+00
TM	SF	L16572-02	5/26/2010	AcTh-228	5.00E-01	5.20E+00	1.80E+01
TM	SF	L16572-02	5/26/2010	Ag-108m	-1.32E+00	9.60E-01	3.40E+00
TM	SF	L16572-02	5/26/2010	Ag-110m	-2.00E-01	1.70E+00	5.90E+00
TM	SF	L16572-02	5/26/2010	Ba-140	7.00E-01	2.80E+00	1.00E+01
TM	SF	L16572-02	5/26/2010	Be-7	9.00E+00	1.10E+01	3.60E+01
TM	SF	L16572-02	5/26/2010	Ce-141	-2.20E+00	1.60E+00	5.50E+00
TM	SF	L16572-02	5/26/2010	Ce-144	8.50E+00	5.30E+00	1.80E+01
TM	SF	L16572-02	5/26/2010	Co-57	-1.00E-02	6.70E-01	2.30E+00
TM	SF	L16572-02	5/26/2010	Co-58	1.00E+00	1.40E+00	4.80E+00
TM	SF	L16572-02	5/26/2010	Co-60	9.00E-01	1.60E+00	5.40E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	SF	L16572-02	5/26/2010	Cr-51	-8.00E+00	1.10E+01	3.70E+01
TM	SF	L16572-02	5/26/2010	Cs-134	1.10E-01	9.10E-01	3.90E+00
TM	SF	L16572-02	5/26/2010	Cs-137	3.70E+00	1.50E+00	4.70E+00
TM	SF	L16572-02	5/26/2010	Fe-59	1.80E+00	3.40E+00	1.20E+01
TM	SF	L16572-02	5/26/2010	I-131	1.00E-01	2.10E-01	9.70E-01
TM	SF	L16572-02	5/26/2010	K-40	1.43E+03	4.90E+01	6.80E+01 *
TM	SF	L16572-02	5/26/2010	La-140	7.00E-01	2.80E+00	1.00E+01
TM	SF	L16572-02	5/26/2010	Mn-54	-1.40E+00	1.30E+00	4.60E+00
TM	SF	L16572-02	5/26/2010	Nb-95	-5.00E-01	1.50E+00	5.40E+00
TM	SF	L16572-02	5/26/2010	Ru-103	-1.60E+00	1.40E+00	4.90E+00
TM	SF	L16572-02	5/26/2010	Ru-106	1.50E+01	1.10E+01	3.60E+01
TM	SF	L16572-02	5/26/2010	Sb-124	1.20E+00	3.20E+00	1.10E+01
TM	SF	L16572-02	5/26/2010	Sb-125	-4.50E+00	3.00E+00	1.10E+01
TM	SF	L16572-02	5/26/2010	Se-75	-1.00E-01	1.30E+00	4.40E+00
TM	SF	L16572-02	5/26/2010	Zn-65	7.00E-01	3.30E+00	1.10E+01
TM	SF	L16572-02	5/26/2010	Zr-95	6.00E-01	2.40E+00	8.40E+00
TM	LF	L16572-03	5/26/2010	AcTh-228	-1.50E+00	7.10E+00	2.50E+01
TM	LF	L16572-03	5/26/2010	Ag-108m	-1.00E-01	1.30E+00	4.50E+00
TM	LF	L16572-03	5/26/2010	Ag-110m	1.00E-01	2.10E+00	7.40E+00
TM	LF	L16572-03	5/26/2010	Ba-140	5.50E+00	4.20E+00	1.40E+01
TM	LF	L16572-03	5/26/2010	Be-7	-1.10E+01	1.30E+01	4.80E+01
TM	LF	L16572-03	5/26/2010	Ce-141	-7.00E-01	2.10E+00	7.40E+00
TM	LF	L16572-03	5/26/2010	Ce-144	-1.40E+00	6.50E+00	2.30E+01
TM	LF	L16572-03	5/26/2010	Co-57	-4.00E-01	8.30E-01	2.90E+00
TM	LF	L16572-03	5/26/2010	Co-58	-5.00E-01	1.70E+00	6.30E+00
TM	LF	L16572-03	5/26/2010	Co-60	2.00E+00	2.10E+00	7.10E+00
TM	LF	L16572-03	5/26/2010	Cr-51	-9.00E+00	1.50E+01	5.20E+01
TM	LF	L16572-03	5/26/2010	Cs-134	-9.00E-01	1.10E+00	5.50E+00
TM	LF	L16572-03	5/26/2010	Cs-137	2.00E+00	2.00E+00	6.60E+00
TM	LF	L16572-03	5/26/2010	Fe-59	9.30E+00	4.40E+00	1.40E+01
TM	LF	L16572-03	5/26/2010	I-131	-4.00E-02	1.40E-01	9.20E-01
TM	LF	L16572-03	5/26/2010	K-40	1.44E+03	6.30E+01	9.00E+01 *
TM	LF	L16572-03	5/26/2010	La-140	5.50E+00	4.20E+00	1.40E+01
TM	LF	L16572-03	5/26/2010	Mn-54	-2.40E+00	1.60E+00	6.10E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	LF	L16572-03	5/26/2010	Nb-95	7.00E-01	2.10E+00	7.30E+00
TM	LF	L16572-03	5/26/2010	Ru-103	-4.00E-01	1.80E+00	6.40E+00
TM	LF	L16572-03	5/26/2010	Ru-106	4.00E+00	1.40E+01	5.00E+01
TM	LF	L16572-03	5/26/2010	Sb-124	-2.00E+00	4.70E+00	1.80E+01
TM	LF	L16572-03	5/26/2010	Sb-125	-9.00E-01	3.80E+00	1.40E+01
TM	LF	L16572-03	5/26/2010	Se-75	2.30E+00	1.80E+00	5.80E+00
TM	LF	L16572-03	5/26/2010	Zn-65	2.00E+00	3.90E+00	1.40E+01
TM	LF	L16572-03	5/26/2010	Zr-95	3.80E+00	3.30E+00	1.10E+01
TM	MR	L16616-01	6/9/2010	AcTh-228	1.40E+01	9.90E+00	3.30E+01
TM	MR	L16616-01	6/9/2010	Ag-108m	2.00E+00	2.10E+00	7.20E+00
TM	MR	L16616-01	6/9/2010	Ag-110m	0.00E+00	3.30E+00	1.30E+01
TM	MR	L16616-01	6/9/2010	Ba-140	8.30E+00	4.20E+00	1.30E+01
TM	MR	L16616-01	6/9/2010	Be-7	-3.30E+01	2.50E+01	9.50E+01
TM	MR	L16616-01	6/9/2010	Ce-141	-2.00E+00	4.30E+00	1.50E+01
TM	MR	L16616-01	6/9/2010	Ce-144	-1.90E+01	1.60E+01	5.90E+01
TM	MR	L16616-01	6/9/2010	Co-57	1.20E+00	2.10E+00	7.30E+00
TM	MR	L16616-01	6/9/2010	Co-58	3.40E+00	2.50E+00	8.40E+00
TM	MR	L16616-01	6/9/2010	Co-60	-2.00E-01	3.80E+00	1.40E+01
TM	MR	L16616-01	6/9/2010	Cr-51	-2.60E+01	2.50E+01	9.40E+01
TM	MR	L16616-01	6/9/2010	Cs-134	-8.00E-01	2.20E+00	1.10E+01
TM	MR	L16616-01	6/9/2010	Cs-137	4.00E-01	3.20E+00	1.10E+01
TM	MR	L16616-01	6/9/2010	Fe-59	3.00E+00	6.80E+00	2.40E+01
TM	MR	L16616-01	6/9/2010	I-131	3.70E-01	2.90E-01	9.40E-01
TM	MR	L16616-01	6/9/2010	K-40	2.13E+03	1.20E+02	1.40E+02 *
TM	MR	L16616-01	6/9/2010	La-140	8.30E+00	4.20E+00	1.30E+01
TM	MR	L16616-01	6/9/2010	Mn-54	1.60E+00	3.00E+00	1.10E+01
TM	MR	L16616-01	6/9/2010	Nb-95	2.40E+00	2.90E+00	1.00E+01
TM	MR	L16616-01	6/9/2010	Ru-103	1.70E+00	3.40E+00	1.20E+01
TM	MR	L16616-01	6/9/2010	Ru-106	-7.00E+00	2.70E+01	9.80E+01
TM	MR	L16616-01	6/9/2010	Sb-124	-3.00E+00	5.60E+00	2.40E+01
TM	MR	L16616-01	6/9/2010	Sb-125	8.60E+00	6.90E+00	2.30E+01
TM	MR	L16616-01	6/9/2010	Se-75	-4.50E+00	3.50E+00	1.30E+01
TM	MR	L16616-01	6/9/2010	Zn-65	1.00E+01	6.30E+00	2.10E+01
TM	MR	L16616-01	6/9/2010	Zr-95	-1.70E+00	4.30E+00	1.70E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE		CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
			DATE	NUCLIDE			
TM	SF	L16616-02	6/9/2010	AcTh-228	-6.80E+00	6.30E+00	2.40E+01
TM	SF	L16616-02	6/9/2010	Ag-108m	-7.00E-01	1.50E+00	5.50E+00
TM	SF	L16616-02	6/9/2010	Ag-110m	-2.00E+00	2.40E+00	9.20E+00
TM	SF	L16616-02	6/9/2010	Ba-140	-1.20E+00	2.80E+00	1.10E+01
TM	SF	L16616-02	6/9/2010	Be-7	-1.30E+01	1.50E+01	5.50E+01
TM	SF	L16616-02	6/9/2010	Ce-141	6.00E-01	2.40E+00	8.40E+00
TM	SF	L16616-02	6/9/2010	Ce-144	-2.90E+00	7.80E+00	2.80E+01
TM	SF	L16616-02	6/9/2010	Co-57	-5.00E-01	1.10E+00	4.00E+00
TM	SF	L16616-02	6/9/2010	Co-58	2.30E+00	1.80E+00	6.20E+00
TM	SF	L16616-02	6/9/2010	Co-60	1.70E+00	1.90E+00	6.70E+00
TM	SF	L16616-02	6/9/2010	Cr-51	-6.00E+00	1.40E+01	5.00E+01
TM	SF	L16616-02	6/9/2010	Cs-134	-2.50E+00	1.20E+00	6.30E+00
TM	SF	L16616-02	6/9/2010	Cs-137	1.30E+00	1.70E+00	6.00E+00
TM	SF	L16616-02	6/9/2010	Fe-59	1.00E-01	4.60E+00	1.60E+01
TM	SF	L16616-02	6/9/2010	I-131	-1.29E-01	2.50E-02	9.30E-01
TM	SF	L16616-02	6/9/2010	K-40	1.50E+03	6.90E+01	8.70E+01 *
TM	SF	L16616-02	6/9/2010	La-140	-1.20E+00	2.80E+00	1.10E+01
TM	SF	L16616-02	6/9/2010	Mn-54	1.40E+00	1.90E+00	6.50E+00
TM	SF	L16616-02	6/9/2010	Nb-95	-1.00E+00	2.10E+00	7.50E+00
TM	SF	L16616-02	6/9/2010	Ru-103	-1.80E+00	1.80E+00	6.50E+00
TM	SF	L16616-02	6/9/2010	Ru-106	-1.00E+00	1.50E+01	5.30E+01
TM	SF	L16616-02	6/9/2010	Sb-124	-3.50E+00	3.60E+00	1.50E+01
TM	SF	L16616-02	6/9/2010	Sb-125	1.70E+00	4.40E+00	1.50E+01
TM	SF	L16616-02	6/9/2010	Se-75	-5.80E+00	2.00E+00	7.50E+00
TM	SF	L16616-02	6/9/2010	Zn-65	-3.50E+00	4.20E+00	1.60E+01
TM	SF	L16616-02	6/9/2010	Zr-95	3.90E+00	3.10E+00	1.10E+01
TM	LF	L16616-03	6/9/2010	AcTh-228	4.10E+00	7.10E+00	2.50E+01
TM	LF	L16616-03	6/9/2010	Ag-108m	3.00E+00	1.60E+00	5.20E+00
TM	LF	L16616-03	6/9/2010	Ag-110m	2.10E+00	2.60E+00	8.90E+00
TM	LF	L16616-03	6/9/2010	Ba-140	-1.00E+00	3.50E+00	1.30E+01
TM	LF	L16616-03	6/9/2010	Be-7	1.00E+00	1.50E+01	5.40E+01
TM	LF	L16616-03	6/9/2010	Ce-141	1.00E-01	2.80E+00	9.70E+00
TM	LF	L16616-03	6/9/2010	Ce-144	-1.53E+01	9.80E+00	3.50E+01
TM	LF	L16616-03	6/9/2010	Co-57	-8.00E-01	1.30E+00	4.50E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE		CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
			DATE	NUCLIDE			
TM	LF	L16616-03	6/9/2010	Co-58	2.40E+00	1.60E+00	5.40E+00
TM	LF	L16616-03	6/9/2010	Co-60	6.00E-01	2.00E+00	7.30E+00
TM	LF	L16616-03	6/9/2010	Cr-51	-1.00E+00	1.50E+01	5.40E+01
TM	LF	L16616-03	6/9/2010	Cs-134	-8.00E-01	1.20E+00	6.30E+00
TM	LF	L16616-03	6/9/2010	Cs-137	2.10E+00	1.70E+00	5.70E+00
TM	LF	L16616-03	6/9/2010	Fe-59	1.20E+00	3.90E+00	1.40E+01
TM	LF	L16616-03	6/9/2010	I-131	4.00E-02	1.70E-01	9.40E-01
TM	LF	L16616-03	6/9/2010	K-40	1.42E+03	6.90E+01	8.70E+01 *
TM	LF	L16616-03	6/9/2010	La-140	-1.00E+00	3.50E+00	1.30E+01
TM	LF	L16616-03	6/9/2010	Mn-54	6.00E-01	1.70E+00	6.20E+00
TM	LF	L16616-03	6/9/2010	Nb-95	-8.00E-01	2.10E+00	7.70E+00
TM	LF	L16616-03	6/9/2010	Ru-103	-4.00E+00	2.00E+00	7.60E+00
TM	LF	L16616-03	6/9/2010	Ru-106	2.00E+00	1.60E+01	5.50E+01
TM	LF	L16616-03	6/9/2010	Sb-124	-1.29E+01	4.70E+00	2.10E+01
TM	LF	L16616-03	6/9/2010	Sb-125	9.10E+00	4.80E+00	1.60E+01
TM	LF	L16616-03	6/9/2010	Se-75	2.00E+00	2.00E+00	6.90E+00
TM	LF	L16616-03	6/9/2010	Zn-65	1.24E+01	4.60E+00	1.40E+01
TM	LF	L16616-03	6/9/2010	Zr-95	4.10E+00	3.40E+00	1.10E+01
TM	MR	L16669-01	6/23/2010	AcTh-228	-9.30E+00	6.30E+00	2.40E+01
TM	MR	L16669-01	6/23/2010	Ag-108m	-1.10E+00	1.50E+00	5.30E+00
TM	MR	L16669-01	6/23/2010	Ag-110m	1.40E+00	2.00E+00	6.90E+00
TM	MR	L16669-01	6/23/2010	Ba-140	2.00E+00	2.60E+00	9.20E+00
TM	MR	L16669-01	6/23/2010	Be-7	7.00E+00	1.40E+01	4.80E+01
TM	MR	L16669-01	6/23/2010	Ce-141	2.00E-01	2.10E+00	7.20E+00
TM	MR	L16669-01	6/23/2010	Ce-144	5.80E+00	8.00E+00	2.70E+01
TM	MR	L16669-01	6/23/2010	Co-57	2.00E-01	1.10E+00	3.70E+00
TM	MR	L16669-01	6/23/2010	Co-58	-1.20E+00	1.60E+00	6.10E+00
TM	MR	L16669-01	6/23/2010	Co-60	7.00E-01	1.70E+00	6.20E+00
TM	MR	L16669-01	6/23/2010	Cr-51	7.00E+00	1.20E+01	4.10E+01
TM	MR	L16669-01	6/23/2010	Cs-134	-9.00E-01	1.40E+00	6.30E+00
TM	MR	L16669-01	6/23/2010	Cs-137	5.00E-01	1.50E+00	5.40E+00
TM	MR	L16669-01	6/23/2010	Fe-59	2.20E+00	3.80E+00	1.30E+01
TM	MR	L16669-01	6/23/2010	I-131	-2.00E-01	1.80E-01	8.90E-01
TM	MR	L16669-01	6/23/2010	K-40	1.74E+03	6.70E+01	7.50E+01 *

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	MR	L16669-01	6/23/2010	La-140	2.00E+00	2.60E+00	9.20E+00
TM	MR	L16669-01	6/23/2010	Mn-54	-7.00E-01	1.60E+00	5.80E+00
TM	MR	L16669-01	6/23/2010	Nb-95	-1.10E+00	1.80E+00	6.50E+00
TM	MR	L16669-01	6/23/2010	Ru-103	-9.00E-01	1.70E+00	6.20E+00
TM	MR	L16669-01	6/23/2010	Ru-106	1.00E+01	1.40E+01	4.90E+01
TM	MR	L16669-01	6/23/2010	Sb-124	1.60E+00	3.70E+00	1.30E+01
TM	MR	L16669-01	6/23/2010	Sb-125	2.20E+00	4.20E+00	1.40E+01
TM	MR	L16669-01	6/23/2010	Se-75	-1.30E+00	1.80E+00	6.30E+00
TM	MR	L16669-01	6/23/2010	Zn-65	5.60E+00	3.80E+00	1.30E+01
TM	MR	L16669-01	6/23/2010	Zr-95	-2.90E+00	2.80E+00	1.10E+01
TM	SF	L16669-02	6/23/2010	AcTh-228	9.50E+00	9.90E+00	3.40E+01
TM	SF	L16669-02	6/23/2010	Ag-108m	2.20E+00	1.70E+00	5.70E+00
TM	SF	L16669-02	6/23/2010	Ag-110m	-5.60E+00	3.20E+00	1.30E+01
TM	SF	L16669-02	6/23/2010	Ba-140	8.00E+00	4.30E+00	1.40E+01
TM	SF	L16669-02	6/23/2010	Be-7	1.70E+01	1.60E+01	5.50E+01
TM	SF	L16669-02	6/23/2010	Ce-141	-2.10E+00	2.80E+00	9.90E+00
TM	SF	L16669-02	6/23/2010	Ce-144	-1.70E+01	1.00E+01	3.70E+01
TM	SF	L16669-02	6/23/2010	Co-57	-5.00E-01	1.10E+00	3.90E+00
TM	SF	L16669-02	6/23/2010	Co-58	1.20E+00	2.00E+00	7.10E+00
TM	SF <sup>x</sup>	L16669-02	6/23/2010	Co-60	-2.20E+00	2.90E+00	1.10E+01
TM	SF	L16669-02	6/23/2010	Cr-51	3.30E+01	1.60E+01	5.20E+01
TM	SF	L16669-02	6/23/2010	Cs-134	3.00E+00	1.50E+00	6.80E+00
TM	SF	L16669-02	6/23/2010	Cs-137	2.10E+00	2.20E+00	7.40E+00
TM	SF	L16669-02	6/23/2010	Fe-59	5.20E+00	6.20E+00	2.10E+01
TM	SF	L16669-02	6/23/2010	I-131	-1.60E-01	2.10E-01	9.50E-01
TM	SF	L16669-02	6/23/2010	K-40	1.42E+03	8.70E+01	1.20E+02 *
TM	SF	L16669-02	6/23/2010	La-140	8.00E+00	4.30E+00	1.40E+01
TM	SF	L16669-02	6/23/2010	Mn-54	-1.60E+00	1.90E+00	7.60E+00
TM	SF	L16669-02	6/23/2010	Nb-95	-1.40E+00	2.40E+00	8.90E+00
TM	SF	L16669-02	6/23/2010	Ru-103	7.00E-01	2.10E+00	7.50E+00
TM	SF	L16669-02	6/23/2010	Ru-106	-2.70E+01	2.00E+01	7.70E+01
TM	SF	L16669-02	6/23/2010	Sb-124	1.19E+01	5.80E+00	1.80E+01
TM	SF	L16669-02	6/23/2010	Sb-125	2.90E+00	5.20E+00	1.80E+01
TM	SF	L16669-02	6/23/2010	Se-75	4.00E-01	2.10E+00	7.20E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	SF	L16669-02	6/23/2010	Zn-65	-3.00E+00	5.20E+00	2.00E+01
TM	SF	L16669-02	6/23/2010	Zr-95	-2.80E+00	3.40E+00	1.30E+01
TM	LF	L16669-03	6/23/2010	AcTh-228	6.40E+00	6.70E+00	2.30E+01
TM	LF	L16669-03	6/23/2010	Ag-108m	4.20E+00	1.60E+00	5.10E+00
TM	LF	L16669-03	6/23/2010	Ag-110m	-6.00E-01	2.70E+00	9.90E+00
TM	LF	L16669-03	6/23/2010	Ba-140	-4.20E+00	3.30E+00	1.30E+01
TM	LF	L16669-03	6/23/2010	Be-7	-1.70E+01	1.80E+01	6.50E+01
TM	LF	L16669-03	6/23/2010	Ce-141	-9.00E-01	3.00E+00	1.00E+01
TM	LF	L16669-03	6/23/2010	Ce-144	-6.00E+00	1.00E+01	3.60E+01
TM	LF	L16669-03	6/23/2010	Co-57	-1.90E+00	1.50E+00	5.20E+00
TM	LF	L16669-03	6/23/2010	Co-58	-3.00E-01	1.80E+00	6.70E+00
TM	LF	L16669-03	6/23/2010	Co-60	6.00E-01	2.10E+00	7.60E+00
TM	LF	L16669-03	6/23/2010	Cr-51	1.00E+01	1.80E+01	6.20E+01
TM	LF	L16669-03	6/23/2010	Cs-134	-2.50E+00	1.40E+00	7.10E+00
TM	LF	L16669-03	6/23/2010	Cs-137	-1.90E+00	2.10E+00	7.60E+00
TM	LF	L16669-03	6/23/2010	Fe-59	-5.00E-01	4.10E+00	1.50E+01
TM	LF	L16669-03	6/23/2010	I-131	-2.00E-02	2.20E-01	8.90E-01
TM	LF	L16669-03	6/23/2010	K-40	1.61E+03	7.20E+01	8.60E+01 *
TM	LF	L16669-03	6/23/2010	La-140	-4.20E+00	3.30E+00	1.30E+01
TM	LF	L16669-03	6/23/2010	Mn-54	-1.70E+00	1.90E+00	7.00E+00
TM	LF	L16669-03	6/23/2010	Nb-95	-1.00E+00	1.90E+00	7.10E+00
TM	LF	L16669-03	6/23/2010	Ru-103	-4.80E+00	2.20E+00	8.30E+00
TM	LF	L16669-03	6/23/2010	Ru-106	-2.80E+01	1.90E+01	7.10E+01
TM	LF	L16669-03	6/23/2010	Sb-124	1.50E+00	4.30E+00	1.60E+01
TM	LF	L16669-03	6/23/2010	Sb-125	-4.00E-01	4.70E+00	1.70E+01
TM	LF	L16669-03	6/23/2010	Se-75	-8.00E-01	2.50E+00	8.80E+00
TM	LF	L16669-03	6/23/2010	Zn-65	-1.00E+00	4.50E+00	1.60E+01
TM	LF	L16669-03	6/23/2010	Zr-95	1.90E+00	2.90E+00	1.00E+01
TM	MR	256165023	7/7/2010	Ac-228	-4.75E+00	3.89E+00	8.98E+00
TM	MR	256165023	7/7/2010	Ag-108m	-1.32E-01	5.34E-01	1.73E+00
TM	MR	256165023	7/7/2010	Ag-110m	-1.01E+00	5.81E-01	1.86E+00
TM	MR	256165023	7/7/2010	Ba-140	2.82E+00	2.39E+00	8.08E+00
TM	MR	256165023	7/7/2010	Be-7	-3.79E+00	5.10E+00	1.62E+01
TM	MR	256165023	7/7/2010	Ce-141	2.16E+00	1.06E+00	3.17E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	MR	256165023	7/7/2010	Ce-144	-4.34E+00	4.05E+00	1.25E+01
TM	MR	256165023	7/7/2010	Co-57	-3.90E-01	5.00E-01	1.64E+00
TM	MR	256165023	7/7/2010	Co-58	-4.40E-01	6.18E-01	1.98E+00
TM	MR	256165023	7/7/2010	Co-60	9.09E-01	6.94E-01	2.35E+00
TM	MR	256165023	7/7/2010	Cr-51	-1.19E+00	5.02E+00	1.67E+01
TM	MR	256165023	7/7/2010	Cs-134	4.50E-01	7.68E-01	2.54E+00
TM	MR	256165023	7/7/2010	Cs-137	6.51E-01	6.63E-01	2.24E+00
TM	MR	256165023	7/7/2010	Fe-59	2.54E+00	1.45E+00	4.97E+00
TM	MR	256165023	7/7/2010	I-131	2.16E-01	1.53E-01	5.22E-01
TM	MR	256165023	7/7/2010	K-40	1.87E+03	9.45E+01	1.83E+01 *
TM	MR	256165023	7/7/2010	La-140	1.76E-01	7.10E-01	2.39E+00
TM	MR	256165023	7/7/2010	Mn-54	-1.46E-01	6.50E-01	2.11E+00
TM	MR	256165023	7/7/2010	Nb-95	-1.17E-01	8.99E-01	2.21E+00
TM	MR	256165023	7/7/2010	Ru-103	-7.18E-01	6.04E-01	1.89E+00
TM	MR	256165023	7/7/2010	Ru-106	-2.81E+00	5.15E+00	1.70E+01
TM	MR	256165023	7/7/2010	Sb-124	-7.83E-01	1.15E+00	3.71E+00
TM	MR	256165023	7/7/2010	Sb-125	-2.28E-01	1.62E+00	5.26E+00
TM	MR	256165023	7/7/2010	Se-75	-2.55E-01	7.47E-01	2.51E+00
TM	MR	256165023	7/7/2010	Th-228	4.05E-01	1.65E+00	3.84E+00
TM	MR	256165023	7/7/2010	Zn-65	-3.15E+00	1.63E+00	5.17E+00
TM	MR	256165023	7/7/2010	Zr-95	-5.50E-01	1.07E+00	3.47E+00
TM	SF	256165024	7/7/2010	Ac-228	-2.30E+00	3.75E+00	7.97E+00
TM	SF	256165024	7/7/2010	Ag-108m	-5.39E-01	5.27E-01	1.66E+00
TM	SF	256165024	7/7/2010	Ag-110m	-4.92E-01	5.40E-01	1.75E+00
TM	SF	256165024	7/7/2010	Ba-140	2.78E+00	2.16E+00	7.25E+00
TM	SF	256165024	7/7/2010	Be-7	-1.73E-01	4.36E+00	1.47E+01
TM	SF	256165024	7/7/2010	Ce-141	1.68E+00	9.30E-01	3.21E+00
TM	SF	256165024	7/7/2010	Ce-144	1.18E+00	4.05E+00	1.29E+01
TM	SF	256165024	7/7/2010	Co-57	-4.21E-01	5.28E-01	1.67E+00
TM	SF	256165024	7/7/2010	Co-58	-2.22E-01	5.65E-01	1.82E+00
TM	SF	256165024	7/7/2010	Co-60	1.98E-01	6.67E-01	2.21E+00
TM	SF	256165024	7/7/2010	Cr-51	-1.99E+00	4.86E+00	1.58E+01
TM	SF	256165024	7/7/2010	Cs-134	-3.40E-01	7.04E-01	2.27E+00
TM	SF	256165024	7/7/2010	Cs-137	6.46E-01	6.07E-01	2.05E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	SF	256165024	7/7/2010	Fe-59	5.66E-01	1.29E+00	4.33E+00
TM	SF	256165024	7/7/2010	I-131	-3.82E-01	7.23E-01	2.32E+00
TM	SF	256165024	7/7/2010	I-131	-2.09E-01	1.91E-01	6.23E-01
TM	SF	256165024	7/7/2010	K-40	1.57E+03	7.59E+01	1.65E+01 *
TM	SF	256165024	7/7/2010	La-140	-1.24E-01	6.61E-01	2.12E+00
TM	SF	256165024	7/7/2010	Mn-54	-1.71E-02	5.64E-01	1.83E+00
TM	SF	256165024	7/7/2010	Nb-95	-9.29E-02	5.87E-01	1.91E+00
TM	SF	256165024	7/7/2010	Ru-103	-3.21E-01	5.33E-01	1.77E+00
TM	SF	256165024	7/7/2010	Ru-106	-5.47E+00	4.96E+00	1.61E+01
TM	SF	256165024	7/7/2010	Sb-124	-8.48E-01	1.09E+00	3.53E+00
TM	SF	256165024	7/7/2010	Sb-125	5.37E-01	2.48E+00	5.10E+00
TM	SF	256165024	7/7/2010	Se-75	8.40E-02	7.61E-01	2.52E+00
TM	SF	256165024	7/7/2010	Th-228	3.51E-01	1.77E+00	3.83E+00
TM	SF	256165024	7/7/2010	Zn-65	-9.15E-01	1.42E+00	4.65E+00
TM	SF	256165024	7/7/2010	Zr-95	-7.25E-01	9.90E-01	3.18E+00
TM	LF	256165025	7/7/2010	Ac-228	-1.72E+00	3.63E+00	9.16E+00
TM	LF	256165025	7/7/2010	Ag-108m	-1.96E-01	4.97E-01	1.61E+00
TM	LF	256165025	7/7/2010	Ag-110m	4.32E-01	5.30E-01	1.80E+00
TM	LF	256165025	7/7/2010	Ba-140	-3.14E+00	2.36E+00	7.14E+00
TM	LF	256165025	7/7/2010	Be-7	-3.11E+00	4.65E+00	1.48E+01
TM	LF	256165025	7/7/2010	Ce-141	5.89E-01	1.27E+00	3.06E+00
TM	LF	256165025	7/7/2010	Ce-144	-6.41E-01	3.74E+00	1.21E+01
TM	LF	256165025	7/7/2010	Co-57	6.92E-02	5.12E-01	1.66E+00
TM	LF	256165025	7/7/2010	Co-58	-4.80E-01	5.51E-01	1.78E+00
TM	LF	256165025	7/7/2010	Co-60	-2.86E-02	9.48E-01	2.27E+00
TM	LF	256165025	7/7/2010	Cr-51	4.18E+00	4.80E+00	1.61E+01
TM	LF	256165025	7/7/2010	Cs-134	8.55E-01	7.08E-01	2.40E+00
TM	LF	256165025	7/7/2010	Cs-137	2.59E-01	6.02E-01	2.03E+00
TM	LF	256165025	7/7/2010	Fe-59	1.48E+00	1.27E+00	4.21E+00
TM	LF	256165025	7/7/2010	I-131	-1.57E-01	2.16E-01	6.83E-01
TM	LF	256165025	7/7/2010	I-131	-2.18E+00	1.11E+00	2.23E+00
TM	LF	256165025	7/7/2010	K-40	1.46E+03	7.64E+01	1.86E+01 *
TM	LF	256165025	7/7/2010	La-140	-6.03E-02	6.63E-01	2.16E+00
TM	LF	256165025	7/7/2010	Mn-54	4.29E-01	5.86E-01	1.96E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	LF	256165025	7/7/2010	Nb-95	-4.45E-01	5.73E-01	1.86E+00
TM	LF	256165025	7/7/2010	Ru-103	-2.34E-01	5.92E-01	1.90E+00
TM	LF	256165025	7/7/2010	Ru-106	4.02E+00	4.92E+00	1.68E+01
TM	LF	256165025	7/7/2010	Sb-124	1.88E-02	1.20E+00	3.92E+00
TM	LF	256165025	7/7/2010	Sb-125	1.46E+00	1.52E+00	5.05E+00
TM	LF	256165025	7/7/2010	Se-75	-1.21E+00	7.52E-01	2.46E+00
TM	LF	256165025	7/7/2010	Th-228	-2.11E+00	1.62E+00	3.89E+00
TM	LF	256165025	7/7/2010	Zn-65	1.01E+00	1.49E+00	4.87E+00
TM	LF	256165025	7/7/2010	Zr-95	5.43E-01	1.03E+00	3.45E+00
TM	MR	257043023	7/21/2010	Ac-228	4.41E+00	2.92E+00	1.01E+01
TM	MR	257043023	7/21/2010	Ag-108m	-3.76E-01	6.26E-01	2.05E+00
TM	MR	257043023	7/21/2010	Ag-110m	-3.99E-01	6.89E-01	2.21E+00
TM	MR	257043023	7/21/2010	Ba-140	6.05E-01	3.40E+00	1.12E+01
TM	MR	257043023	7/21/2010	Be-7	6.98E+00	5.87E+00	1.99E+01
TM	MR	257043023	7/21/2010	Ce-141	3.00E+00	1.51E+00	4.11E+00
TM	MR	257043023	7/21/2010	Ce-144	6.38E+00	5.08E+00	1.55E+01
TM	MR	257043023	7/21/2010	Co-57	-1.73E+00	6.08E-01	1.89E+00
TM	MR	257043023	7/21/2010	Co-58	-5.92E-01	7.67E-01	2.42E+00
TM	MR	257043023	7/21/2010	Co-60	-2.11E+00	8.77E-01	2.65E+00
TM	MR	257043023	7/21/2010	Cr-51	-1.95E-01	6.34E+00	2.12E+01
TM	MR	257043023	7/21/2010	Cs-134	2.63E-01	8.73E-01	2.85E+00
TM	MR	257043023	7/21/2010	Cs-137	-1.81E-01	7.58E-01	2.46E+00
TM	MR	257043023	7/21/2010	Fe-59	-1.38E+00	1.75E+00	5.69E+00
TM	MR	257043023	7/21/2010	I-131	-1.45E+00	1.10E+00	3.58E+00
TM	MR	257043023	7/21/2010	I-131	-4.68E-02	1.58E-01	5.12E-01
TM	MR	257043023	7/21/2010	K-40	1.98E+03	9.37E+01	2.58E+01 *
TM	MR	257043023	7/21/2010	La-140	-8.83E-01	8.92E-01	2.75E+00
TM	MR	257043023	7/21/2010	Mn-54	3.50E-01	7.74E-01	2.53E+00
TM	MR	257043023	7/21/2010	Nb-95	3.33E-01	7.44E-01	2.44E+00
TM	MR	257043023	7/21/2010	Ru-103	-7.06E-01	7.32E-01	2.36E+00
TM	MR	257043023	7/21/2010	Ru-106	1.06E+00	6.41E+00	2.10E+01
TM	MR	257043023	7/21/2010	Sb-124	1.61E+00	1.35E+00	4.69E+00
TM	MR	257043023	7/21/2010	Sb-125	-9.51E-01	1.89E+00	6.21E+00
TM	MR	257043023	7/21/2010	Se-75	-2.03E+00	9.23E-01	2.99E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	MR	257043023	7/21/2010	Th-228	1.04E+00	1.88E+00	4.70E+00
TM	MR	257043023	7/21/2010	Zn-65	-1.67E+00	1.85E+00	6.02E+00
TM	MR	257043023	7/21/2010	Zr-95	2.15E+00	1.39E+00	4.66E+00
TM	SF	257043024	7/21/2010	Ac-228	1.05E+00	5.64E+00	1.38E+01
TM	SF	257043024	7/21/2010	Ag-108m	4.88E-01	6.32E-01	2.13E+00
TM	SF	257043024	7/21/2010	Ag-110m	-2.04E-01	9.63E-01	2.70E+00
TM	SF	257043024	7/21/2010	Ba-140	-2.80E+00	3.57E+00	1.13E+01
TM	SF	257043024	7/21/2010	Be-7	-1.36E+01	6.20E+00	1.90E+01
TM	SF	257043024	7/21/2010	Ce-141	-2.13E+00	1.44E+00	3.46E+00
TM	SF	257043024	7/21/2010	Ce-144	4.91E+00	3.94E+00	1.32E+01
TM	SF	257043024	7/21/2010	Co-57	-4.55E-01	5.01E-01	1.63E+00
TM	SF	257043024	7/21/2010	Co-58	-2.69E-01	8.59E-01	2.84E+00
TM	SF	257043024	7/21/2010	Co-60	-1.45E+00	1.15E+00	3.22E+00
TM	SF	257043024	7/21/2010	Cr-51	5.64E+00	6.36E+00	2.18E+01
TM	SF	257043024	7/21/2010	Cs-134	-6.42E-01	1.04E+00	3.43E+00
TM	SF	257043024	7/21/2010	Cs-137	-5.67E-01	1.18E+00	3.09E+00
TM	SF	257043024	7/21/2010	Fe-59	2.12E+00	2.09E+00	7.03E+00
TM	SF	257043024	7/21/2010	I-131	-4.35E-01	1.09E+00	3.60E+00
TM	SF	257043024	7/21/2010	I-131	-1.69E-02	1.59E-01	5.37E-01
TM	SF	257043024	7/21/2010	K-40	1.47E+03	7.59E+01	2.73E+01 *
TM	SF	257043024	7/21/2010	La-140	1.87E+00	1.27E+00	4.50E+00
TM	SF	257043024	7/21/2010	Mn-54	1.09E+00	8.55E-01	2.95E+00
TM	SF	257043024	7/21/2010	Nb-95	-5.37E-01	8.44E-01	2.78E+00
TM	SF	257043024	7/21/2010	Ru-103	-2.26E-01	8.09E-01	2.63E+00
TM	SF	257043024	7/21/2010	Ru-106	-2.95E+00	7.45E+00	2.37E+01
TM	SF	257043024	7/21/2010	Sb-124	2.56E+00	1.72E+00	6.15E+00
TM	SF	257043024	7/21/2010	Sb-125	1.20E+00	1.85E+00	6.21E+00
TM	SF	257043024	7/21/2010	Se-75	-8.77E-01	9.70E-01	3.01E+00
TM	SF	257043024	7/21/2010	Th-228	-3.30E+00	1.87E+00	4.94E+00
TM	SF	257043024	7/21/2010	Zn-65	1.48E+00	2.23E+00	7.41E+00
TM	SF	257043024	7/21/2010	Zr-95	2.63E+00	1.56E+00	5.47E+00
TM	LF	257043025	7/21/2010	Ac-228	9.45E-01	3.45E+00	9.62E+00
TM	LF	257043025	7/21/2010	Ag-108m	-1.39E+00	5.64E-01	1.79E+00
TM	LF	257043025	7/21/2010	Ag-110m	-5.53E-01	6.42E-01	2.06E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	LF	257043025	7/21/2010	Ba-140	-2.01E+00	4.15E+00	9.80E+00
TM	LF	257043025	7/21/2010	Be-7	-7.26E+00	6.68E+00	1.75E+01
TM	LF	257043025	7/21/2010	Ce-141	1.57E-01	1.34E+00	3.67E+00
TM	LF	257043025	7/21/2010	Ce-144	-1.11E+01	4.36E+00	1.32E+01
TM	LF	257043025	7/21/2010	Co-57	7.52E-01	5.58E-01	1.89E+00
TM	LF	257043025	7/21/2010	Co-58	-9.98E-01	7.19E-01	2.24E+00
TM	LF	257043025	7/21/2010	Co-60	-2.11E-01	7.70E-01	2.53E+00
TM	LF	257043025	7/21/2010	Cr-51	-3.35E-01	5.89E+00	1.90E+01
TM	LF	257043025	7/21/2010	Cs-134	-9.35E-01	8.29E-01	2.61E+00
TM	LF	257043025	7/21/2010	Cs-137	1.18E+00	6.99E-01	2.39E+00
TM	LF	257043025	7/21/2010	Fe-59	-1.59E+00	1.52E+00	4.94E+00
TM	LF	257043025	7/21/2010	I-131	-2.61E-01	1.04E+00	3.32E+00
TM	LF	257043025	7/21/2010	I-131	-3.34E-01	2.74E-01	6.68E-01
TM	LF	257043025	7/21/2010	K-40	1.48E+03	7.31E+01	2.35E+01 *
TM	LF	257043025	7/21/2010	La-140	-1.87E-01	9.67E-01	3.13E+00
TM	LF	257043025	7/21/2010	Mn-54	-1.87E+00	6.69E-01	1.97E+00
TM	LF	257043025	7/21/2010	Nb-95	-5.15E-01	6.68E-01	2.13E+00
TM	LF	257043025	7/21/2010	Ru-103	-6.96E-01	6.61E-01	2.15E+00
TM	LF	257043025	7/21/2010	Ru-106	-1.37E+00	5.88E+00	1.93E+01
TM	LF	257043025	7/21/2010	Sb-124	-2.44E+00	1.56E+00	4.68E+00
TM	LF	257043025	7/21/2010	Sb-125	-2.30E+00	1.68E+00	5.47E+00
TM	LF	257043025	7/21/2010	Se-75	1.55E+00	8.45E-01	2.82E+00
TM	LF	257043025	7/21/2010	Th-228	1.51E+00	1.63E+00	4.00E+00
TM	LF	257043025	7/21/2010	Zn-65	-2.47E-02	1.67E+00	5.58E+00
TM	LF	257043025	7/21/2010	Zr-95	-1.49E+00	1.23E+00	3.86E+00
TM	MR	258182023	8/4/2010	Ac-228	-1.20E+00	4.35E+00	1.29E+01
TM	MR	258182023	8/4/2010	Ag-108m	2.69E-01	7.29E-01	2.37E+00
TM	MR	258182023	8/4/2010	Ag-110m	-1.05E+00	7.88E-01	2.50E+00
TM	MR	258182023	8/4/2010	Ba-140	-5.20E+00	3.70E+00	1.16E+01
TM	MR	258182023	8/4/2010	Be-7	2.13E+00	6.37E+00	2.17E+01
TM	MR	258182023	8/4/2010	Ce-141	-1.01E+00	1.70E+00	4.23E+00
TM	MR	258182023	8/4/2010	Ce-144	-5.96E-01	5.32E+00	1.70E+01
TM	MR	258182023	8/4/2010	Co-57	-3.88E-02	6.97E-01	2.25E+00
TM	MR	258182023	8/4/2010	Co-58	-2.65E-01	8.59E-01	2.77E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	MR	258182023	8/4/2010	Co-60	-2.06E-02	9.92E-01	3.24E+00
TM	MR	258182023	8/4/2010	Cr-51	2.86E+00	7.47E+00	2.47E+01
TM	MR	258182023	8/4/2010	Cs-134	1.08E-02	1.04E+00	3.38E+00
TM	MR	258182023	8/4/2010	Cs-137	1.02E+00	8.74E-01	2.98E+00
TM	MR	258182023	8/4/2010	Fe-59	2.50E+00	1.98E+00	6.80E+00
TM	MR	258182023	8/4/2010	I-131	-1.43E-01	1.50E-01	4.97E-01
TM	MR	258182023	8/4/2010	I-131	6.86E-02	1.26E+00	4.11E+00
TM	MR	258182023	8/4/2010	K-40	1.94E+03	1.05E+02	2.75E+01 *
TM	MR	258182023	8/4/2010	La-140	-1.88E+00	1.47E+00	3.30E+00
TM	MR	258182023	8/4/2010	Mn-54	-1.94E+00	8.81E-01	2.64E+00
TM	MR	258182023	8/4/2010	Nb-95	2.65E-01	8.11E-01	2.68E+00
TM	MR	258182023	8/4/2010	Ru-103	6.74E-01	8.13E-01	2.79E+00
TM	MR	258182023	8/4/2010	Ru-106	-1.04E+01	6.93E+00	2.20E+01
TM	MR	258182023	8/4/2010	Sb-124	-2.06E-01	1.72E+00	5.67E+00
TM	MR	258182023	8/4/2010	Sb-125	-1.07E-01	2.24E+00	7.20E+00
TM	MR	258182023	8/4/2010	Se-75	-1.61E-01	1.04E+00	3.43E+00
TM	MR	258182023	8/4/2010	Th-228	-1.63E+00	2.08E+00	5.32E+00
TM	MR	258182023	8/4/2010	Zn-65	-3.66E+00	2.17E+00	6.83E+00
TM	MR	258182023	8/4/2010	Zr-95	-1.07E+00	1.44E+00	4.60E+00
TM	SF	258182024	8/4/2010	Ac-228	-1.62E+00	3.94E+00	1.14E+01
TM	SF	258182024	8/4/2010	Ag-108m	1.93E-01	6.80E-01	2.23E+00
TM	SF	258182024	8/4/2010	Ag-110m	-1.27E+00	7.29E-01	2.32E+00
TM	SF	258182024	8/4/2010	Ba-140	3.20E+00	3.65E+00	1.19E+01
TM	SF	258182024	8/4/2010	Be-7	-7.67E+00	6.25E+00	1.95E+01
TM	SF	258182024	8/4/2010	Ce-141	-1.65E+00	1.31E+00	4.13E+00
TM	SF	258182024	8/4/2010	Ce-144	-3.86E+00	6.04E+00	1.61E+01
TM	SF	258182024	8/4/2010	Co-57	-2.95E-01	6.58E-01	2.12E+00
TM	SF	258182024	8/4/2010	Co-58	3.20E-01	7.81E-01	2.61E+00
TM	SF	258182024	8/4/2010	Co-60	2.34E-01	8.63E-01	2.90E+00
TM	SF	258182024	8/4/2010	Cr-51	-4.56E+00	6.81E+00	2.23E+01
TM	SF	258182024	8/4/2010	Cs-134	9.60E-01	9.80E-01	3.32E+00
TM	SF	258182024	8/4/2010	Cs-137	1.19E+00	8.06E-01	2.80E+00
TM	SF	258182024	8/4/2010	Fe-59	1.29E-01	1.76E+00	5.67E+00
TM	SF	258182024	8/4/2010	I-131	3.52E+00	1.16E+00	4.03E+00 *

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE		CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
			DATE	NUCLIDE			
TM	SF	258182024	8/4/2010	I-131	-6.96E-02	1.58E-01	5.11E-01
TM	SF	258182024	8/4/2010	K-40	1.61E+03	8.69E+01	2.05E+01 *
TM	SF	258182024	8/4/2010	La-140	-1.24E+00	1.07E+00	3.28E+00
TM	SF	258182024	8/4/2010	Mn-54	-7.97E-02	7.69E-01	2.52E+00
TM	SF	258182024	8/4/2010	Nb-95	2.43E-02	7.05E-01	2.34E+00
TM	SF	258182024	8/4/2010	Ru-103	-4.03E-01	8.29E-01	2.64E+00
TM	SF	258182024	8/4/2010	Ru-106	-2.39E+01	9.96E+00	2.10E+01
TM	SF	258182024	8/4/2010	Sb-124	-7.04E-01	2.53E+00	5.23E+00
TM	SF	258182024	8/4/2010	Sb-125	1.10E+00	2.01E+00	6.65E+00
TM	SF	258182024	8/4/2010	Se-75	-1.27E+00	9.93E-01	3.25E+00
TM	SF	258182024	8/4/2010	Th-228	-1.08E+00	1.83E+00	5.05E+00
TM	SF	258182024	8/4/2010	Zn-65	-2.10E+00	1.94E+00	6.02E+00
TM	SF	258182024	8/4/2010	Zr-95	-9.62E-01	1.26E+00	4.08E+00
TM	LF	258182025	8/4/2010	Ac-228	-5.26E+00	4.12E+00	9.86E+00
TM	LF	258182025	8/4/2010	Ag-108m	-7.13E-01	5.97E-01	1.95E+00
TM	LF	258182025	8/4/2010	Ag-110m	-3.56E-01	6.53E-01	2.12E+00
TM	LF	258182025	8/4/2010	Ba-140	-4.01E+00	3.06E+00	9.56E+00
TM	LF	258182025	8/4/2010	Be-7	-3.25E+00	5.29E+00	1.74E+01
TM	LF	258182025	8/4/2010	Ce-141	-1.58E+00	1.61E+00	3.84E+00
TM	LF	258182025	8/4/2010	Ce-144	8.49E-02	4.43E+00	1.47E+01
TM	LF	258182025	8/4/2010	Co-57	1.76E-01	5.65E-01	1.89E+00
TM	LF	258182025	8/4/2010	Co-58	-1.91E-01	7.44E-01	2.40E+00
TM	LF	258182025	8/4/2010	Co-60	4.68E-01	9.87E-01	2.77E+00
TM	LF	258182025	8/4/2010	Cr-51	-4.31E+00	6.05E+00	1.92E+01
TM	LF	258182025	8/4/2010	Cs-134	6.57E-01	8.81E-01	2.94E+00
TM	LF	258182025	8/4/2010	Cs-137	2.97E-01	7.18E-01	2.39E+00
TM	LF	258182025	8/4/2010	Fe-59	3.21E+00	1.53E+00	5.42E+00
TM	LF	258182025	8/4/2010	I-131	1.82E-01	1.06E+00	3.41E+00
TM	LF	258182025	8/4/2010	I-131	-7.71E-02	1.85E-01	6.10E-01
TM	LF	258182025	8/4/2010	K-40	1.55E+03	7.58E+01	2.31E+01 *
TM	LF	258182025	8/4/2010	La-140	2.06E-01	1.04E+00	3.44E+00
TM	LF	258182025	8/4/2010	Mn-54	-8.95E-01	6.97E-01	2.17E+00
TM	LF	258182025	8/4/2010	Nb-95	1.56E-01	7.02E-01	2.31E+00
TM	LF	258182025	8/4/2010	Ru-103	6.70E-01	7.19E-01	2.45E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	REFERENCE		NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
		LSN	DATE				
TM	LF	258182025	8/4/2010	Ru-106	3.70E+00	6.07E+00	2.04E+01
TM	LF	258182025	8/4/2010	Sb-124	1.87E+00	1.51E+00	5.22E+00
TM	LF	258182025	8/4/2010	Sb-125	-1.53E+00	1.77E+00	5.82E+00
TM	LF	258182025	8/4/2010	Se-75	3.36E-02	8.98E-01	2.92E+00
TM	LF	258182025	8/4/2010	Th-228	-1.26E+00	1.54E+00	4.18E+00
TM	LF	258182025	8/4/2010	Zn-65	-9.64E-01	1.73E+00	5.71E+00
TM	LF	258182025	8/4/2010	Zr-95	-7.80E-01	1.24E+00	3.98E+00
TM	MR	259210023	8/18/2010	Ac-228	-7.45E+00	3.94E+00	1.01E+01
TM	MR	259210023	8/18/2010	Ag-108m	7.48E-02	6.85E-01	2.25E+00
TM	MR	259210023	8/18/2010	Ag-110m	-2.43E+00	8.29E-01	2.55E+00
TM	MR	259210023	8/18/2010	Ba-140	-2.59E+00	4.56E+00	1.12E+01
TM	MR	259210023	8/18/2010	Be-7	-2.07E+00	7.47E+00	2.16E+01
TM	MR	259210023	8/18/2010	Ce-141	7.05E-01	1.27E+00	4.16E+00
TM	MR	259210023	8/18/2010	Ce-144	-9.06E+00	6.67E+00	1.65E+01
TM	MR	259210023	8/18/2010	Co-57	-1.93E+00	7.55E-01	2.00E+00
TM	MR	259210023	8/18/2010	Co-58	-7.16E-01	7.57E-01	2.42E+00
TM	MR	259210023	8/18/2010	Co-60	4.12E-01	9.15E-01	3.09E+00
TM	MR	259210023	8/18/2010	Cr-51	-4.87E+00	7.00E+00	2.30E+01
TM	MR	259210023	8/18/2010	Cs-134	-2.24E-01	9.27E-01	3.04E+00
TM	MR	259210023	8/18/2010	Cs-137	-8.47E-01	1.28E+00	3.26E+00
TM	MR	259210023	8/18/2010	Fe-59	-4.30E+00	1.97E+00	5.83E+00
TM	MR	259210023	8/18/2010	I-131	-2.18E-01	1.48E-01	4.86E-01
TM	MR	259210023	8/18/2010	I-131	1.14E+00	1.20E+00	4.06E+00
TM	MR	259210023	8/18/2010	K-40	1.90E+03	9.79E+01	2.36E+01 *
TM	MR	259210023	8/18/2010	La-140	1.12E+00	1.06E+00	3.67E+00
TM	MR	259210023	8/18/2010	Mn-54	2.72E-01	8.00E-01	2.66E+00
TM	MR	259210023	8/18/2010	Nb-95	-9.99E-01	7.52E-01	2.39E+00
TM	MR	259210023	8/18/2010	Ru-103	-4.99E-01	7.69E-01	2.44E+00
TM	MR	259210023	8/18/2010	Ru-106	1.89E+00	6.63E+00	2.25E+01
TM	MR	259210023	8/18/2010	Sb-124	1.38E-01	1.71E+00	5.61E+00
TM	MR	259210023	8/18/2010	Sb-125	-4.07E+00	1.98E+00	6.08E+00
TM	MR	259210023	8/18/2010	Se-75	6.64E-01	9.95E-01	3.39E+00
TM	MR	259210023	8/18/2010	Th-228	5.99E+00	2.75E+00	5.26E+00
TM	MR	259210023	8/18/2010	Zn-65	-5.42E+00	2.16E+00	6.35E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	MR	259210023	8/18/2010	Zr-95	-1.48E+00	1.34E+00	4.27E+00
TM	SF	259210024	8/18/2010	Ac-228	-4.01E-01	4.20E+00	1.23E+01
TM	SF	259210024	8/18/2010	Ag-108m	7.13E-01	6.96E-01	2.30E+00
TM	SF	259210024	8/18/2010	Ag-110m	-5.93E-01	7.55E-01	2.44E+00
TM	SF	259210024	8/18/2010	Ba-140	5.06E+00	3.75E+00	1.27E+01
TM	SF	259210024	8/18/2010	Be-7	-3.52E+00	6.36E+00	2.12E+01
TM	SF	259210024	8/18/2010	Ce-141	-2.62E+00	1.74E+00	4.38E+00
TM	SF	259210024	8/18/2010	Ce-144	-3.13E+00	5.31E+00	1.69E+01
TM	SF	259210024	8/18/2010	Co-57	1.29E+00	6.95E-01	2.30E+00
TM	SF	259210024	8/18/2010	Co-58	1.46E+00	8.35E-01	2.86E+00
TM	SF	259210024	8/18/2010	Co-60	6.27E-01	9.34E-01	3.14E+00
TM	SF	259210024	8/18/2010	Cr-51	-4.44E+00	7.27E+00	2.36E+01
TM	SF	259210024	8/18/2010	Cs-134	2.43E-01	1.13E+00	3.30E+00
TM	SF	259210024	8/18/2010	Cs-137	6.21E-01	8.21E-01	2.77E+00
TM	SF	259210024	8/18/2010	Fe-59	-7.30E-01	1.90E+00	6.25E+00
TM	SF	259210024	8/18/2010	I-131	-1.79E+00	1.18E+00	3.70E+00
TM	SF	259210024	8/18/2010	I-131	1.52E-01	1.99E-01	6.55E-01
TM	SF	259210024	8/18/2010	K-40	1.52E+03	8.43E+01	2.56E+01 *
TM	SF	259210024	8/18/2010	La-140	1.34E-01	1.14E+00	3.83E+00
TM	SF	259210024	8/18/2010	Mn-54	-4.18E-01	7.89E-01	2.51E+00
TM	SF	259210024	8/18/2010	Nb-95	9.14E-01	7.79E-01	2.64E+00
TM	SF	259210024	8/18/2010	Ru-103	-9.77E-02	7.71E-01	2.59E+00
TM	SF	259210024	8/18/2010	Ru-106	-4.18E+00	7.20E+00	2.35E+01
TM	SF	259210024	8/18/2010	Sb-124	3.44E-01	1.59E+00	5.36E+00
TM	SF	259210024	8/18/2010	Sb-125	-1.07E-01	2.14E+00	6.87E+00
TM	SF	259210024	8/18/2010	Se-75	1.70E+00	1.05E+00	3.58E+00
TM	SF	259210024	8/18/2010	Th-228	1.73E+00	1.87E+00	5.44E+00
TM	SF	259210024	8/18/2010	Zn-65	1.19E+00	1.97E+00	6.65E+00
TM	SF	259210024	8/18/2010	Zr-95	4.16E-01	1.48E+00	4.87E+00
TM	LF	259210025	8/18/2010	Ac-228	-4.34E+00	4.26E+00	1.05E+01
TM	LF	259210025	8/18/2010	Ag-108m	2.46E-01	6.07E-01	1.98E+00
TM	LF	259210025	8/18/2010	Ag-110m	-7.46E-01	6.21E-01	1.99E+00
TM	LF	259210025	8/18/2010	Ba-140	3.04E+00	3.09E+00	1.05E+01
TM	LF	259210025	8/18/2010	Be-7	-1.85E+00	5.94E+00	1.89E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	LF	259210025	8/18/2010	Ce-141	-4.66E-01	1.32E+00	3.57E+00
TM	LF	259210025	8/18/2010	Ce-144	7.38E+00	4.36E+00	1.43E+01
TM	LF	259210025	8/18/2010	Co-57	5.22E-03	5.53E-01	1.79E+00
TM	LF	259210025	8/18/2010	Co-58	-2.15E-01	7.27E-01	2.36E+00
TM	LF	259210025	8/18/2010	Co-60	-3.02E-01	8.05E-01	2.61E+00
TM	LF	259210025	8/18/2010	Cr-51	3.19E+00	5.98E+00	1.99E+01
TM	LF	259210025	8/18/2010	Cs-134	6.42E-04	8.76E-01	2.87E+00
TM	LF	259210025	8/18/2010	Cs-137	1.72E-01	6.66E-01	2.23E+00
TM	LF	259210025	8/18/2010	Fe-59	2.11E-01	1.64E+00	5.49E+00
TM	LF	259210025	8/18/2010	I-131	3.54E-01	1.96E-01	6.65E-01
TM	LF	259210025	8/18/2010	I-131	-1.42E+00	1.05E+00	3.34E+00
TM	LF	259210025	8/18/2010	K-40	1.48E+03	7.60E+01	2.23E+01 *
TM	LF	259210025	8/18/2010	La-140	-1.16E+00	9.81E-01	2.96E+00
TM	LF	259210025	8/18/2010	Mn-54	1.49E-01	7.04E-01	2.31E+00
TM	LF	259210025	8/18/2010	Nb-95	3.79E-01	7.22E-01	2.41E+00
TM	LF	259210025	8/18/2010	Ru-103	8.29E-02	7.31E-01	2.35E+00
TM	LF	259210025	8/18/2010	Ru-106	-3.00E+00	8.85E+00	1.99E+01
TM	LF	259210025	8/18/2010	Sb-124	1.68E-01	1.26E+00	4.25E+00
TM	LF	259210025	8/18/2010	Sb-125	1.47E+00	1.76E+00	5.81E+00
TM	LF	259210025	8/18/2010	Se-75	-5.52E-01	8.90E-01	2.94E+00
TM	LF	259210025	8/18/2010	Th-228	9.74E-01	1.80E+00	4.83E+00
TM	LF	259210025	8/18/2010	Zn-65	-1.86E+00	1.75E+00	5.67E+00
TM	LF	259210025	8/18/2010	Zr-95	-2.93E-01	1.29E+00	4.21E+00
TM	MR	260207023	9/1/2010	Ac-228	1.81E+01	4.71E+00	1.12E+01 *
TM	MR	260207023	9/1/2010	Ag-108m	5.98E-01	6.95E-01	2.27E+00
TM	MR	260207023	9/1/2010	Ag-110m	-1.01E+00	7.53E-01	2.40E+00
TM	MR	260207023	9/1/2010	Ba-140	-1.93E+00	3.80E+00	1.25E+01
TM	MR	260207023	9/1/2010	Be-7	5.39E-01	6.40E+00	2.16E+01
TM	MR	260207023	9/1/2010	Ce-141	-2.36E+00	1.90E+00	4.69E+00
TM	MR	260207023	9/1/2010	Ce-144	5.70E+00	5.58E+00	1.71E+01
TM	MR	260207023	9/1/2010	Co-57	6.42E-01	7.10E-01	2.29E+00
TM	MR	260207023	9/1/2010	Co-58	-5.51E-01	7.38E-01	2.34E+00
TM	MR	260207023	9/1/2010	Co-60	-2.68E-01	8.94E-01	2.90E+00
TM	MR	260207023	9/1/2010	Cr-51	3.24E+00	7.25E+00	2.39E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	MR	260207023	9/1/2010	Cs-134	3.31E-01	9.57E-01	3.15E+00
TM	MR	260207023	9/1/2010	Cs-137	1.12E+00	1.02E+00	2.90E+00
TM	MR	260207023	9/1/2010	Fe-59	-4.77E+00	1.87E+00	5.72E+00
TM	MR	260207023	9/1/2010	I-131	-3.38E+00	1.71E+00	4.37E+00
TM	MR	260207023	9/1/2010	I-131	-2.81E-01	2.23E-01	6.95E-01
TM	MR	260207023	9/1/2010	K-40	1.98E+03	9.75E+01	2.46E+01 *
TM	MR	260207023	9/1/2010	La-140	6.65E-01	1.07E+00	3.57E+00
TM	MR	260207023	9/1/2010	Mn-54	5.51E-01	8.18E-01	2.71E+00
TM	MR	260207023	9/1/2010	Nb-95	1.46E+00	8.30E-01	2.83E+00
TM	MR	260207023	9/1/2010	Ru-103	-1.14E+00	7.66E-01	2.47E+00
TM	MR	260207023	9/1/2010	Ru-106	-2.65E+00	6.68E+00	2.19E+01
TM	MR	260207023	9/1/2010	Sb-124	1.58E+00	1.66E+00	5.80E+00
TM	MR	260207023	9/1/2010	Sb-125	7.93E-02	2.11E+00	6.78E+00
TM	MR	260207023	9/1/2010	Se-75	-9.24E-01	1.05E+00	3.41E+00
TM	MR	260207023	9/1/2010	Th-228	-4.37E-01	1.97E+00	4.99E+00
TM	MR	260207023	9/1/2010	Zn-65	-4.08E+00	1.99E+00	6.22E+00
TM	MR	260207023	9/1/2010	Zr-95	7.36E-01	1.39E+00	4.62E+00
TM	SF	260207024	9/1/2010	Ac-228	-1.95E+00	3.81E+00	9.61E+00
TM	SF	260207024	9/1/2010	Ag-108m	-4.76E-01	5.32E-01	1.74E+00
TM	SF	260207024	9/1/2010	Ag-110m	-2.72E-01	6.23E-01	1.99E+00
TM	SF	260207024	9/1/2010	Ba-140	8.19E-02	3.19E+00	1.05E+01
TM	SF	260207024	9/1/2010	Be-7	6.07E+00	5.40E+00	1.84E+01
TM	SF	260207024	9/1/2010	Ce-141	2.83E-01	1.09E+00	3.63E+00
TM	SF	260207024	9/1/2010	Ce-144	-5.75E+00	4.85E+00	1.36E+01
TM	SF	260207024	9/1/2010	Co-57	-2.59E-01	5.24E-01	1.75E+00
TM	SF	260207024	9/1/2010	Co-58	-5.37E-01	6.60E-01	2.17E+00
TM	SF	260207024	9/1/2010	Co-60	1.39E-01	7.06E-01	2.30E+00
TM	SF	260207024	9/1/2010	Cr-51	-9.47E+00	7.70E+00	1.96E+01
TM	SF	260207024	9/1/2010	Cs-134	-1.45E+00	1.05E+00	2.46E+00
TM	SF	260207024	9/1/2010	Cs-137	8.33E-01	6.81E-01	2.29E+00
TM	SF	260207024	9/1/2010	Fe-59	6.92E-02	1.64E+00	5.40E+00
TM	SF	260207024	9/1/2010	I-131	-6.81E-02	1.83E-01	5.92E-01
TM	SF	260207024	9/1/2010	I-131	-1.08E+00	1.12E+00	3.69E+00
TM	SF	260207024	9/1/2010	K-40	1.41E+03	7.32E+01	2.10E+01 *

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	SF	260207024	9/1/2010	La-140	1.14E+00	9.63E-01	3.40E+00
TM	SF	260207024	9/1/2010	Mn-54	-2.02E-01	6.24E-01	2.08E+00
TM	SF	260207024	9/1/2010	Nb-95	1.81E-01	6.73E-01	2.17E+00
TM	SF	260207024	9/1/2010	Ru-103	5.47E-01	6.56E-01	2.21E+00
TM	SF	260207024	9/1/2010	Ru-106	1.07E+00	5.75E+00	1.88E+01
TM	SF	260207024	9/1/2010	Sb-124	-4.30E+00	1.99E+00	3.84E+00
TM	SF	260207024	9/1/2010	Sb-125	-4.94E-01	1.69E+00	5.61E+00
TM	SF	260207024	9/1/2010	Se-75	-4.31E-01	8.59E-01	2.73E+00
TM	SF	260207024	9/1/2010	Th-228	1.80E+00	1.91E+00	4.61E+00
TM	SF	260207024	9/1/2010	Zn-65	-2.51E-01	1.61E+00	5.26E+00
TM	SF	260207024	9/1/2010	Zr-95	4.82E-01	1.14E+00	3.69E+00
TM	LF	260207025	9/1/2010	Ac-228	-1.34E+00	3.70E+00	1.06E+01
TM	LF	260207025	9/1/2010	Ag-108m	2.39E-02	6.73E-01	2.20E+00
TM	LF	260207025	9/1/2010	Ag-110m	-2.62E+00	7.89E-01	2.38E+00
TM	LF	260207025	9/1/2010	Ba-140	8.13E+00	4.22E+00	1.36E+01
TM	LF	260207025	9/1/2010	Be-7	-1.23E-01	6.61E+00	2.14E+01
TM	LF	260207025	9/1/2010	Ce-141	-1.68E+00	1.33E+00	4.19E+00
TM	LF	260207025	9/1/2010	Ce-144	1.07E+00	4.91E+00	1.60E+01
TM	LF	260207025	9/1/2010	Co-57	2.65E-01	6.33E-01	2.08E+00
TM	LF	260207025	9/1/2010	Co-58	-1.33E-01	7.37E-01	2.42E+00
TM	LF	260207025	9/1/2010	Co-60	2.76E-01	9.32E-01	3.13E+00
TM	LF	260207025	9/1/2010	Cr-51	1.08E+01	6.94E+00	2.38E+01
TM	LF	260207025	9/1/2010	Cs-134	4.01E-01	8.42E-01	2.83E+00
TM	LF	260207025	9/1/2010	Cs-137	-5.61E-01	1.24E+00	3.17E+00
TM	LF	260207025	9/1/2010	Fe-59	1.81E+00	1.85E+00	6.18E+00
TM	LF	260207025	9/1/2010	I-131	-1.10E+00	1.33E+00	4.29E+00
TM	LF	260207025	9/1/2010	I-131	-2.85E-01	1.67E-01	5.44E-01
TM	LF	260207025	9/1/2010	K-40	1.53E+03	7.99E+01	2.55E+01 *
TM	LF	260207025	9/1/2010	La-140	8.08E-01	1.04E+00	3.57E+00
TM	LF	260207025	9/1/2010	Mn-54	-7.47E-02	7.67E-01	2.52E+00
TM	LF	260207025	9/1/2010	Nb-95	2.56E-02	7.56E-01	2.51E+00
TM	LF	260207025	9/1/2010	Ru-103	-1.45E+00	8.26E-01	2.52E+00
TM	LF	260207025	9/1/2010	Ru-106	4.42E-01	6.62E+00	2.23E+01
TM	LF	260207025	9/1/2010	Sb-124	-3.10E+00	1.67E+00	4.78E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	LF	260207025	9/1/2010	Sb-125	-1.51E+00	2.08E+00	6.67E+00
TM	LF	260207025	9/1/2010	Se-75	1.70E+00	9.86E-01	3.41E+00
TM	LF	260207025	9/1/2010	Th-228	-2.41E+00	2.07E+00	4.89E+00
TM	LF	260207025	9/1/2010	Zn-65	1.55E+00	1.96E+00	6.49E+00
TM	LF	260207025	9/1/2010	Zr-95	1.23E+00	1.39E+00	4.74E+00
TM	SF	261007023	9/15/2010	Ac-228	-3.92E-02	3.96E+00	1.03E+01
TM	SF	261007023	9/15/2010	Ag-108m	5.66E-01	6.25E-01	2.05E+00
TM	SF	261007023	9/15/2010	Ag-110m	-3.44E-02	6.71E-01	2.21E+00
TM	SF	261007023	9/15/2010	Ba-140	-2.29E+00	3.11E+00	1.01E+01
TM	SF	261007023	9/15/2010	Be-7	5.61E+00	5.76E+00	1.99E+01
TM	SF	261007023	9/15/2010	Ce-141	-8.73E-01	1.21E+00	3.81E+00
TM	SF	261007023	9/15/2010	Ce-144	8.35E+00	4.69E+00	1.53E+01
TM	SF	261007023	9/15/2010	Co-57	-4.72E-01	6.14E-01	1.96E+00
TM	SF	261007023	9/15/2010	Co-58	6.45E-03	7.22E-01	2.35E+00
TM	SF	261007023	9/15/2010	Co-60	-6.33E-01	8.14E-01	2.58E+00
TM	SF	261007023	9/15/2010	Cr-51	1.39E+00	6.67E+00	2.20E+01
TM	SF	261007023	9/15/2010	Cs-134	3.63E-01	8.62E-01	2.85E+00
TM	SF	261007023	9/15/2010	Cs-137	-2.84E-02	7.45E-01	2.46E+00
TM	SF	261007023	9/15/2010	Fe-59	3.95E+00	1.68E+00	5.92E+00
TM	SF	261007023	9/15/2010	I-131	-9.84E-03	1.77E-01	5.88E-01
TM	SF	261007023	9/15/2010	I-131	-4.46E-01	1.12E+00	3.61E+00
TM	SF	261007023	9/15/2010	K-40	1.46E+03	7.96E+01	2.31E+01 *
TM	SF	261007023	9/15/2010	La-140	5.72E-01	9.56E-01	3.29E+00
TM	SF	261007023	9/15/2010	Mn-54	-3.96E-01	7.12E-01	2.27E+00
TM	SF	261007023	9/15/2010	Nb-95	9.13E-01	7.56E-01	2.55E+00
TM	SF	261007023	9/15/2010	Ru-103	-3.40E-01	7.08E-01	2.36E+00
TM	SF	261007023	9/15/2010	Ru-106	-1.29E+00	6.09E+00	2.01E+01
TM	SF	261007023	9/15/2010	Sb-124	7.58E-01	1.58E+00	5.38E+00
TM	SF	261007023	9/15/2010	Sb-125	3.28E+00	1.89E+00	6.32E+00
TM	SF	261007023	9/15/2010	Se-75	9.31E-01	9.61E-01	3.24E+00
TM	SF	261007023	9/15/2010	Th-228	-9.54E-01	1.87E+00	4.82E+00
TM	SF	261007023	9/15/2010	Zn-65	-2.07E+00	1.82E+00	5.84E+00
TM	SF	261007023	9/15/2010	Zr-95	2.42E+00	1.31E+00	4.49E+00
TM	LF	261007024	9/15/2010	Ac-228	7.00E+00	2.80E+00	9.54E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	LF	261007024	9/15/2010	Ag-108m	-1.00E+00	5.44E-01	1.75E+00
TM	LF	261007024	9/15/2010	Ag-110m	3.52E-01	6.19E-01	2.07E+00
TM	LF	261007024	9/15/2010	Ba-140	5.60E+00	2.95E+00	9.70E+00
TM	LF	261007024	9/15/2010	Be-7	-4.11E-01	4.99E+00	1.67E+01
TM	LF	261007024	9/15/2010	Ce-141	1.95E+00	1.05E+00	3.44E+00
TM	LF	261007024	9/15/2010	Ce-144	-7.20E+00	3.93E+00	1.26E+01
TM	LF	261007024	9/15/2010	Co-57	-1.56E-01	5.18E-01	1.72E+00
TM	LF	261007024	9/15/2010	Co-58	-6.88E-01	6.66E-01	2.10E+00
TM	LF	261007024	9/15/2010	Co-60	-2.97E-02	7.28E-01	2.41E+00
TM	LF	261007024	9/15/2010	Cr-51	-5.19E+00	5.67E+00	1.79E+01
TM	LF	261007024	9/15/2010	Cs-134	-5.20E-01	7.86E-01	2.51E+00
TM	LF	261007024	9/15/2010	Cs-137	-6.44E-01	6.72E-01	2.16E+00
TM	LF	261007024	9/15/2010	Fe-59	2.15E+00	1.46E+00	5.05E+00
TM	LF	261007024	9/15/2010	I-131	2.09E+00	9.64E-01	3.21E+00
TM	LF	261007024	9/15/2010	I-131	-1.56E-01	2.05E-01	6.49E-01
TM	LF	261007024	9/15/2010	K-40	1.42E+03	6.98E+01	1.77E+01 *
TM	LF	261007024	9/15/2010	La-140	1.33E+00	8.65E-01	3.02E+00
TM	LF	261007024	9/15/2010	Mn-54	-7.47E-01	6.42E-01	2.01E+00
TM	LF	261007024	9/15/2010	Nb-95	6.34E-01	6.51E-01	2.18E+00
TM	LF	261007024	9/15/2010	Ru-103	1.50E-01	6.30E-01	2.11E+00
TM	LF	261007024	9/15/2010	Ru-106	-3.87E+00	5.67E+00	1.84E+01
TM	LF	261007024	9/15/2010	Sb-124	-2.95E+00	1.49E+00	4.36E+00
TM	LF	261007024	9/15/2010	Sb-125	-5.53E-01	1.61E+00	5.39E+00
TM	LF	261007024	9/15/2010	Se-75	-8.19E-01	8.37E-01	2.67E+00
TM	LF	261007024	9/15/2010	Th-228	9.08E-03	1.49E+00	3.99E+00
TM	LF	261007024	9/15/2010	Zn-65	1.02E+00	1.56E+00	5.31E+00
TM	LF	261007024	9/15/2010	Zr-95	-8.92E-02	1.19E+00	3.87E+00
TM	MR	261007025	9/15/2010	Ac-228	4.34E+00	3.05E+00	1.04E+01
TM	MR	261007025	9/15/2010	Ag-108m	3.90E-01	5.65E-01	1.90E+00
TM	MR	261007025	9/15/2010	Ag-110m	-7.07E+00	8.24E-01	2.05E+00
TM	MR	261007025	9/15/2010	Ba-140	-5.44E+00	3.14E+00	9.29E+00
TM	MR	261007025	9/15/2010	Be-7	-1.06E+00	5.31E+00	1.74E+01
TM	MR	261007025	9/15/2010	Ce-141	-3.10E-01	9.44E-01	3.14E+00
TM	MR	261007025	9/15/2010	Ce-144	-5.09E-01	3.50E+00	1.18E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	MR	261007025	9/15/2010	Co-57	8.75E-01	4.46E-01	1.54E+00
TM	MR	261007025	9/15/2010	Co-58	-5.53E-01	6.72E-01	2.18E+00
TM	MR	261007025	9/15/2010	Co-60	-8.45E-01	8.58E-01	2.75E+00
TM	MR	261007025	9/15/2010	Cr-51	6.11E+00	5.16E+00	1.78E+01
TM	MR	261007025	9/15/2010	Cs-134	-1.40E-01	8.59E-01	2.84E+00
TM	MR	261007025	9/15/2010	Cs-137	1.20E+00	1.32E+00	3.58E+00
TM	MR	261007025	9/15/2010	Fe-59	8.45E-01	1.80E+00	5.87E+00
TM	MR	261007025	9/15/2010	I-131	1.69E+00	9.35E-01	3.24E+00
TM	MR	261007025	9/15/2010	I-131	2.56E-01	1.44E-01	4.90E-01
TM	MR	261007025	9/15/2010	K-40	1.97E+03	9.31E+01	2.16E+01 *
TM	MR	261007025	9/15/2010	La-140	5.34E-01	9.84E-01	3.29E+00
TM	MR	261007025	9/15/2010	Mn-54	4.67E-02	7.04E-01	2.34E+00
TM	MR	261007025	9/15/2010	Nb-95	9.77E-01	7.24E-01	2.49E+00
TM	MR	261007025	9/15/2010	Ru-103	-3.62E-01	6.53E-01	2.11E+00
TM	MR	261007025	9/15/2010	Ru-106	-4.44E+00	6.41E+00	2.02E+01
TM	MR	261007025	9/15/2010	Sb-124	1.32E+00	1.43E+00	4.85E+00
TM	MR	261007025	9/15/2010	Sb-125	-1.10E+00	1.65E+00	5.39E+00
TM	MR	261007025	9/15/2010	Se-75	7.97E-01	7.96E-01	2.60E+00
TM	MR	261007025	9/15/2010	Th-228	2.17E+00	1.76E+00	4.13E+00
TM	MR	261007025	9/15/2010	Zn-65	2.71E-01	1.85E+00	6.00E+00
TM	MR	261007025	9/15/2010	Zr-95	-1.16E+00	1.23E+00	4.00E+00
TM	MR	261898023	9/29/2010	Ac-228	1.24E+01	3.27E+00	1.17E+01 *
TM	MR	261898023	9/29/2010	Ag-108m	-9.58E-01	6.56E-01	2.10E+00
TM	MR	261898023	9/29/2010	Ag-110m	-1.32E-01	7.41E-01	2.40E+00
TM	MR	261898023	9/29/2010	Ba-140	2.71E+00	3.46E+00	1.15E+01
TM	MR	261898023	9/29/2010	Be-7	4.38E+00	6.19E+00	2.08E+01
TM	MR	261898023	9/29/2010	Ce-141	2.24E+00	1.29E+00	4.27E+00
TM	MR	261898023	9/29/2010	Ce-144	5.30E+00	5.01E+00	1.65E+01
TM	MR	261898023	9/29/2010	Co-57	4.37E-01	6.39E-01	2.10E+00
TM	MR	261898023	9/29/2010	Co-58	-1.84E-01	7.87E-01	2.52E+00
TM	MR	261898023	9/29/2010	Co-60	9.73E-01	8.80E-01	3.01E+00
TM	MR	261898023	9/29/2010	Cr-51	5.89E+00	6.82E+00	2.32E+01
TM	MR	261898023	9/29/2010	Cs-134	1.92E+00	1.03E+00	3.47E+00
TM	MR	261898023	9/29/2010	Cs-137	-6.93E-02	7.84E-01	2.55E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	MR	261898023	9/29/2010	Fe-59	3.76E+00	1.88E+00	6.55E+00
TM	MR	261898023	9/29/2010	I-131	1.71E-01	1.15E+00	3.84E+00
TM	MR	261898023	9/29/2010	I-131	8.86E-02	1.57E-01	5.33E-01
TM	MR	261898023	9/29/2010	K-40	1.99E+03	9.50E+01	2.37E+01 *
TM	MR	261898023	9/29/2010	La-140	2.67E-01	9.78E-01	3.24E+00
TM	MR	261898023	9/29/2010	Mn-54	-1.02E+00	7.69E-01	2.37E+00
TM	MR	261898023	9/29/2010	Nb-95	9.64E-01	8.41E-01	2.80E+00
TM	MR	261898023	9/29/2010	Ru-103	-5.87E-01	7.53E-01	2.44E+00
TM	MR	261898023	9/29/2010	Ru-106	1.22E+01	6.62E+00	2.26E+01
TM	MR	261898023	9/29/2010	Sb-124	1.74E+00	1.60E+00	5.49E+00
TM	MR	261898023	9/29/2010	Sb-125	-3.70E-01	1.99E+00	6.59E+00
TM	MR	261898023	9/29/2010	Se-75	-9.26E-02	9.67E-01	3.26E+00
TM	MR	261898023	9/29/2010	Th-228	-2.61E+00	1.83E+00	4.85E+00
TM	MR	261898023	9/29/2010	Zn-65	-3.14E+00	2.05E+00	6.54E+00
TM	MR	261898023	9/29/2010	Zr-95	-1.72E+00	1.46E+00	4.57E+00
TM	SF	261898024	9/29/2010	Ac-228	-3.14E+00	5.83E+00	1.45E+01
TM	SF	261898024	9/29/2010	Ag-108m	-6.26E-01	6.84E-01	2.20E+00
TM	SF	261898024	9/29/2010	Ag-110m	1.66E+00	8.90E-01	2.71E+00
TM	SF	261898024	9/29/2010	Ba-140	2.59E+00	3.62E+00	1.20E+01
TM	SF	261898024	9/29/2010	Be-7	-1.04E+01	6.69E+00	2.09E+01
TM	SF	261898024	9/29/2010	Ce-141	-1.75E+00	1.43E+00	3.77E+00
TM	SF	261898024	9/29/2010	Ce-144	-5.35E+00	4.31E+00	1.39E+01
TM	SF	261898024	9/29/2010	Co-57	4.96E-01	5.26E-01	1.77E+00
TM	SF	261898024	9/29/2010	Co-58	3.85E-01	9.00E-01	3.05E+00
TM	SF	261898024	9/29/2010	Co-60	1.55E+00	1.05E+00	3.73E+00
TM	SF	261898024	9/29/2010	Cr-51	6.66E+00	6.40E+00	2.20E+01
TM	SF	261898024	9/29/2010	Cs-134	-9.20E-01	1.09E+00	3.56E+00
TM	SF	261898024	9/29/2010	Cs-137	2.04E-01	1.11E+00	3.13E+00
TM	SF	261898024	9/29/2010	Fe-59	1.93E+00	2.27E+00	7.61E+00
TM	SF	261898024	9/29/2010	I-131	-5.37E-01	1.15E+00	3.82E+00
TM	SF	261898024	9/29/2010	I-131	9.65E-02	1.89E-01	6.32E-01
TM	SF	261898024	9/29/2010	K-40	1.60E+03	8.11E+01	2.81E+01 *
TM	SF	261898024	9/29/2010	La-140	-9.16E-01	1.19E+00	3.75E+00
TM	SF	261898024	9/29/2010	Mn-54	6.28E-01	8.76E-01	2.99E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	SF	261898024	9/29/2010	Nb-95	-8.91E-01	8.40E-01	2.72E+00
TM	SF	261898024	9/29/2010	Ru-103	-4.49E-01	8.45E-01	2.73E+00
TM	SF	261898024	9/29/2010	Ru-106	-3.66E+00	7.50E+00	2.38E+01
TM	SF	261898024	9/29/2010	Sb-124	-2.74E+00	1.90E+00	5.64E+00
TM	SF	261898024	9/29/2010	Sb-125	4.02E+00	2.09E+00	7.23E+00
TM	SF	261898024	9/29/2010	Se-75	-4.79E-01	9.62E-01	3.02E+00
TM	SF	261898024	9/29/2010	Th-228	5.03E+00	2.69E+00	5.53E+00
TM	SF	261898024	9/29/2010	Zn-65	-1.26E+00	2.28E+00	7.29E+00
TM	SF	261898024	9/29/2010	Zr-95	3.77E-01	1.61E+00	5.43E+00
TM	LF	261898025	9/29/2010	Ac-228	7.35E+00	3.12E+00	1.07E+01
TM	LF	261898025	9/29/2010	Ag-108m	-1.04E+00	5.93E-01	1.91E+00
TM	LF	261898025	9/29/2010	Ag-110m	-3.69E-01	7.03E-01	2.28E+00
TM	LF	261898025	9/29/2010	Ba-140	5.04E+00	3.27E+00	1.09E+01
TM	LF	261898025	9/29/2010	Be-7	-3.06E+00	5.65E+00	1.87E+01
TM	LF	261898025	9/29/2010	Ce-141	-1.58E+00	1.32E+00	3.75E+00
TM	LF	261898025	9/29/2010	Ce-144	5.25E+00	4.75E+00	1.48E+01
TM	LF	261898025	9/29/2010	Co-57	-5.58E-01	5.88E-01	1.93E+00
TM	LF	261898025	9/29/2010	Co-58	3.11E-01	7.60E-01	2.50E+00
TM	LF	261898025	9/29/2010	Co-60	-5.62E-02	7.80E-01	2.57E+00
TM	LF	261898025	9/29/2010	Cr-51	-2.57E+00	6.27E+00	2.00E+01
TM	LF	261898025	9/29/2010	Cs-134	-1.10E+00	8.69E-01	2.72E+00
TM	LF	261898025	9/29/2010	Cs-137	-2.13E-01	7.44E-01	2.43E+00
TM	LF	261898025	9/29/2010	Fe-59	6.57E-01	1.67E+00	5.65E+00
TM	LF	261898025	9/29/2010	I-131	3.36E-01	1.09E+00	3.51E+00
TM	LF	261898025	9/29/2010	I-131	8.96E-02	2.19E-01	7.13E-01
TM	LF	261898025	9/29/2010	K-40	1.49E+03	7.30E+01	2.28E+01 *
TM	LF	261898025	9/29/2010	La-140	2.02E+00	1.03E+00	3.65E+00
TM	LF	261898025	9/29/2010	Mn-54	-2.65E-01	7.35E-01	2.36E+00
TM	LF	261898025	9/29/2010	Nb-95	6.49E-01	7.51E-01	2.51E+00
TM	LF	261898025	9/29/2010	Ru-103	-8.32E-01	6.58E-01	2.12E+00
TM	LF	261898025	9/29/2010	Ru-106	-1.82E+01	6.30E+00	1.90E+01
TM	LF	261898025	9/29/2010	Sb-124	-1.20E+00	1.65E+00	5.18E+00
TM	LF	261898025	9/29/2010	Sb-125	2.16E+00	1.79E+00	6.16E+00
TM	LF	261898025	9/29/2010	Se-75	1.82E+00	9.15E-01	3.07E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	LF	261898025	9/29/2010	Th-228	7.42E-01	1.57E+00	4.30E+00
TM	LF	261898025	9/29/2010	Zn-65	-3.52E+00	1.85E+00	5.85E+00
TM	LF	261898025	9/29/2010	Zr-95	-5.73E-01	1.22E+00	3.92E+00
TM	MR	264797023	10/13/2010	Ac-228	-8.74E-01	3.66E+00	9.19E+00
TM	MR	264797023	10/13/2010	Ag-108m	-5.46E-01	5.65E-01	1.78E+00
TM	MR	264797023	10/13/2010	Ag-110m	-9.49E-01	5.63E-01	1.79E+00
TM	MR	264797023	10/13/2010	Ba-140	-2.91E-01	3.32E+00	1.06E+01
TM	MR	264797023	10/13/2010	Be-7	6.92E+00	5.79E+00	1.92E+01
TM	MR	264797023	10/13/2010	Ce-141	-3.30E-01	1.24E+00	3.88E+00
TM	MR	264797023	10/13/2010	Ce-144	-4.88E-01	4.08E+00	1.38E+01
TM	MR	264797023	10/13/2010	Co-57	9.41E-02	5.53E-01	1.88E+00
TM	MR	264797023	10/13/2010	Co-58	-6.14E-01	6.79E-01	2.19E+00
TM	MR	264797023	10/13/2010	Co-60	-3.40E-02	7.25E-01	2.33E+00
TM	MR	264797023	10/13/2010	Cr-51	-4.99E+00	6.31E+00	1.96E+01
TM	MR	264797023	10/13/2010	Cs-134	-6.07E-01	8.10E-01	2.63E+00
TM	MR	264797023	10/13/2010	Cs-137	4.74E-01	6.42E-01	2.19E+00
TM	MR	264797023	10/13/2010	Fe-59	1.42E+00	1.57E+00	5.25E+00
TM	MR	264797023	10/13/2010	I-131	1.85E+00	1.18E+00	3.98E+00
TM	MR	264797023	10/13/2010	I-131	-9.32E-02	1.75E-01	5.84E-01
TM	MR	264797023	10/13/2010	K-40	1.92E+03	9.92E+01	1.68E+01 *
TM	MR	264797023	10/13/2010	La-140	3.82E-01	8.43E-01	2.88E+00
TM	MR	264797023	10/13/2010	Mn-54	5.79E-01	6.62E-01	2.24E+00
TM	MR	264797023	10/13/2010	Nb-95	1.50E+00	6.88E-01	2.41E+00
TM	MR	264797023	10/13/2010	Ru-103	2.65E-01	6.62E-01	2.15E+00
TM	MR	264797023	10/13/2010	Ru-106	7.84E+00	5.51E+00	1.92E+01
TM	MR	264797023	10/13/2010	Sb-124	-2.00E+00	1.26E+00	3.79E+00
TM	MR	264797023	10/13/2010	Sb-125	3.21E+00	1.71E+00	5.76E+00
TM	MR	264797023	10/13/2010	Se-75	-4.38E-03	8.81E-01	2.91E+00
TM	MR	264797023	10/13/2010	Th-228	5.95E+00	2.56E+00	4.48E+00
TM	MR	264797023	10/13/2010	Zn-65	7.00E-01	1.90E+00	5.43E+00
TM	MR	264797023	10/13/2010	Zr-95	-4.24E-01	1.19E+00	3.91E+00
TM	SF	264797024	10/13/2010	Ac-228	-2.83E+00	3.58E+00	9.02E+00
TM	SF	264797024	10/13/2010	Ag-108m	-1.15E+00	5.35E-01	1.65E+00
TM	SF	264797024	10/13/2010	Ag-110m	-1.46E+00	5.58E-01	1.73E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	SF	264797024	10/13/2010	Ba-140	2.55E+00	3.25E+00	1.06E+01
TM	SF	264797024	10/13/2010	Be-7	-6.81E+00	5.43E+00	1.70E+01
TM	SF	264797024	10/13/2010	Ce-141	1.22E-01	1.16E+00	3.71E+00
TM	SF	264797024	10/13/2010	Ce-144	2.69E+00	4.22E+00	1.37E+01
TM	SF	264797024	10/13/2010	Co-57	3.54E-01	5.42E-01	1.76E+00
TM	SF	264797024	10/13/2010	Co-58	1.13E+00	6.44E-01	2.24E+00
TM	SF	264797024	10/13/2010	Co-60	-2.61E-01	6.49E-01	2.14E+00
TM	SF	264797024	10/13/2010	Cr-51	2.93E+00	5.63E+00	1.88E+01
TM	SF	264797024	10/13/2010	Cs-134	4.34E-01	7.49E-01	2.53E+00
TM	SF	264797024	10/13/2010	Cs-137	3.17E-01	6.02E-01	2.05E+00
TM	SF	264797024	10/13/2010	Fe-59	-1.47E+00	1.56E+00	4.94E+00
TM	SF	264797024	10/13/2010	I-131	-3.75E-01	4.72E-01	7.45E-01
TM	SF	264797024	10/13/2010	I-131	-8.09E-01	1.15E+00	3.74E+00
TM	SF	264797024	10/13/2010	K-40	1.42E+03	6.95E+01	1.95E+01 *
TM	SF	264797024	10/13/2010	La-140	1.12E+00	9.06E-01	3.18E+00
TM	SF	264797024	10/13/2010	Mn-54	-2.79E-01	6.31E-01	2.06E+00
TM	SF	264797024	10/13/2010	Nb-95	7.60E-01	6.41E-01	2.20E+00
TM	SF	264797024	10/13/2010	Ru-103	-3.12E-01	7.74E-01	2.15E+00
TM	SF	264797024	10/13/2010	Ru-106	1.13E+01	5.34E+00	1.89E+01
TM	SF	264797024	10/13/2010	Sb-124	-2.89E+00	1.27E+00	3.61E+00
TM	SF	264797024	10/13/2010	Sb-125	9.46E-01	1.67E+00	5.51E+00
TM	SF	264797024	10/13/2010	Se-75	-5.60E-01	8.18E-01	2.71E+00
TM	SF	264797024	10/13/2010	Th-228	-1.18E+00	1.48E+00	4.16E+00
TM	SF	264797024	10/13/2010	Zn-65	2.05E+00	1.73E+00	5.09E+00
TM	SF	264797024	10/13/2010	Zr-95	1.69E+00	1.16E+00	4.01E+00
TM	LF	264797025	10/13/2010	Ac-228	4.00E-01	2.96E+00	9.60E+00
TM	LF	264797025	10/13/2010	Ag-108m	-1.61E-01	5.66E-01	1.81E+00
TM	LF	264797025	10/13/2010	Ag-110m	6.87E-02	6.09E-01	2.02E+00
TM	LF	264797025	10/13/2010	Ba-140	3.16E+00	3.25E+00	1.10E+01
TM	LF	264797025	10/13/2010	Be-7	9.32E+00	5.27E+00	1.84E+01
TM	LF	264797025	10/13/2010	Ce-141	7.90E-01	1.11E+00	3.80E+00
TM	LF	264797025	10/13/2010	Ce-144	-6.12E+00	4.57E+00	1.41E+01
TM	LF	264797025	10/13/2010	Co-57	3.83E-01	5.77E-01	1.85E+00
TM	LF	264797025	10/13/2010	Co-58	5.05E-02	6.94E-01	2.27E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	LF	264797025	10/13/2010	Co-60	7.91E-02	7.13E-01	2.36E+00
TM	LF	264797025	10/13/2010	Cr-51	-4.83E-01	5.83E+00	1.90E+01
TM	LF	264797025	10/13/2010	Cs-134	2.11E-01	7.81E-01	2.57E+00
TM	LF	264797025	10/13/2010	Cs-137	-1.44E-01	6.96E-01	2.29E+00
TM	LF	264797025	10/13/2010	Fe-59	-5.92E-01	1.53E+00	5.05E+00
TM	LF	264797025	10/13/2010	I-131	1.18E+00	1.18E+00	3.91E+00
TM	LF	264797025	10/13/2010	I-131	6.77E-02	3.87E-01	6.49E-01
TM	LF	264797025	10/13/2010	K-40	1.55E+03	7.71E+01	2.14E+01 *
TM	LF	264797025	10/13/2010	La-140	7.47E-01	9.68E-01	3.26E+00
TM	LF	264797025	10/13/2010	Mn-54	-1.10E-01	6.64E-01	2.16E+00
TM	LF	264797025	10/13/2010	Nb-95	3.10E-01	6.83E-01	2.26E+00
TM	LF	264797025	10/13/2010	Ru-103	-1.80E+00	6.79E-01	2.12E+00
TM	LF	264797025	10/13/2010	Ru-106	1.45E+00	5.45E+00	1.82E+01
TM	LF	264797025	10/13/2010	Sb-124	1.53E+00	1.38E+00	4.71E+00
TM	LF	264797025	10/13/2010	Sb-125	1.30E+00	1.68E+00	5.49E+00
TM	LF	264797025	10/13/2010	Se-75	7.89E-02	8.46E-01	2.80E+00
TM	LF	264797025	10/13/2010	Th-228	1.29E+00	2.07E+00	4.89E+00
TM	LF	264797025	10/13/2010	Zn-65	-4.61E-01	1.77E+00	5.05E+00
TM	LF	264797025	10/13/2010	Zr-95	-1.07E+00	1.16E+00	3.70E+00
TM	MR	265751023	10/27/2010	Ac-228	-6.48E+00	3.63E+00	9.36E+00
TM	MR	265751023	10/27/2010	Ag-108m	2.17E-01	5.65E-01	1.83E+00
TM	MR	265751023	10/27/2010	Ag-110m	-1.08E-01	6.45E-01	2.13E+00
TM	MR	265751023	10/27/2010	Ba-140	-7.66E-01	3.19E+00	1.06E+01
TM	MR	265751023	10/27/2010	Be-7	-3.43E-01	5.37E+00	1.81E+01
TM	MR	265751023	10/27/2010	Ce-141	-6.05E-01	1.12E+00	3.76E+00
TM	MR	265751023	10/27/2010	Ce-144	1.13E+00	4.17E+00	1.42E+01
TM	MR	265751023	10/27/2010	Co-57	4.81E-02	5.81E-01	1.85E+00
TM	MR	265751023	10/27/2010	Co-58	3.27E-01	7.04E-01	2.33E+00
TM	MR	265751023	10/27/2010	Co-60	-3.64E-01	7.45E-01	2.42E+00
TM	MR	265751023	10/27/2010	Cr-51	-1.10E+01	6.17E+00	1.94E+01
TM	MR	265751023	10/27/2010	Cs-134	-1.73E-01	7.95E-01	2.58E+00
TM	MR	265751023	10/27/2010	Cs-137	-2.98E-01	7.05E-01	2.31E+00
TM	MR	265751023	10/27/2010	Fe-59	-1.48E-02	1.63E+00	5.46E+00
TM	MR	265751023	10/27/2010	I-131	-3.77E-02	1.67E-01	5.63E-01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	
TM	MR	265751023	10/27/2010	I-131	1.97E-01	1.24E+00	4.04E+00	
TM	MR	265751023	10/27/2010	K-40	1.91E+03	9.37E+01	2.05E+01	*
TM	MR	265751023	10/27/2010	La-140	8.04E-01	9.69E-01	3.28E+00	
TM	MR	265751023	10/27/2010	Mn-54	-1.29E+00	6.72E-01	2.07E+00	
TM	MR	265751023	10/27/2010	Nb-95	9.85E-03	6.99E-01	2.29E+00	
TM	MR	265751023	10/27/2010	Ru-103	-3.19E-01	6.90E-01	2.30E+00	
TM	MR	265751023	10/27/2010	Ru-106	8.26E+00	5.67E+00	1.94E+01	
TM	MR	265751023	10/27/2010	Sb-124	-1.49E+00	1.34E+00	4.08E+00	
TM	MR	265751023	10/27/2010	Sb-125	3.80E-01	1.77E+00	5.71E+00	
TM	MR	265751023	10/27/2010	Se-75	1.56E+00	8.85E-01	2.99E+00	
TM	MR	265751023	10/27/2010	Th-228	1.02E-02	1.96E+00	4.71E+00	
TM	MR	265751023	10/27/2010	Zn-65	-9.59E-01	1.75E+00	5.78E+00	
TM	MR	265751023	10/27/2010	Zr-95	7.61E-01	1.20E+00	4.02E+00	
TM	SF	265751024	10/27/2010	Ac-228	-5.18E+00	4.28E+00	1.05E+01	
TM	SF	265751024	10/27/2010	Ag-108m	1.90E-01	6.74E-01	2.22E+00	
TM	SF	265751024	10/27/2010	Ag-110m	7.54E-01	6.78E-01	2.34E+00	
TM	SF	265751024	10/27/2010	Ba-140	8.20E-01	3.91E+00	1.28E+01	
TM	SF	265751024	10/27/2010	Be-7	-3.34E+00	6.55E+00	2.11E+01	
TM	SF	265751024	10/27/2010	Ce-141	5.33E+00	1.73E+00	5.09E+00	x
TM	SF	265751024	10/27/2010	Ce-144	-1.15E+01	5.79E+00	1.81E+01	
TM	SF	265751024	10/27/2010	Co-57	-1.22E+00	7.50E-01	2.38E+00	
TM	SF	265751024	10/27/2010	Co-58	-7.32E-02	7.37E-01	2.45E+00	
TM	SF	265751024	10/27/2010	Co-60	8.32E-01	8.08E-01	2.71E+00	
TM	SF	265751024	10/27/2010	Cr-51	-1.25E+01	7.74E+00	2.50E+01	
TM	SF	265751024	10/27/2010	Cs-134	-1.97E+00	9.23E-01	2.90E+00	
TM	SF	265751024	10/27/2010	Cs-137	1.57E+00	7.64E-01	2.68E+00	
TM	SF	265751024	10/27/2010	Fe-59	1.12E-01	1.63E+00	5.34E+00	
TM	SF	265751024	10/27/2010	I-131	-3.05E-02	1.86E-01	6.05E-01	
TM	SF	265751024	10/27/2010	I-131	-7.20E-03	1.45E+00	4.79E+00	
TM	SF	265751024	10/27/2010	K-40	1.47E+03	7.97E+01	2.20E+01	*
TM	SF	265751024	10/27/2010	La-140	-3.58E-01	1.16E+00	3.81E+00	
TM	SF	265751024	10/27/2010	Mn-54	5.65E-01	7.48E-01	2.53E+00	
TM	SF	265751024	10/27/2010	Nb-95	2.51E+00	7.79E-01	2.76E+00	*
TM	SF	265751024	10/27/2010	Ru-103	-1.23E+00	8.37E-01	2.63E+00	

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	SF	265751024	10/27/2010	Ru-106	-3.73E+00	6.63E+00	2.11E+01
TM	SF	265751024	10/27/2010	Sb-124	-8.16E-01	1.54E+00	4.96E+00
TM	SF	265751024	10/27/2010	Sb-125	-1.23E+00	2.06E+00	6.69E+00
TM	SF	265751024	10/27/2010	Se-75	9.13E-03	1.09E+00	3.63E+00
TM	SF	265751024	10/27/2010	Th-228	1.17E+00	2.63E+00	5.70E+00
TM	SF	265751024	10/27/2010	Zn-65	1.86E-01	1.85E+00	6.06E+00
TM	SF	265751024	10/27/2010	Zr-95	6.66E-01	1.36E+00	4.59E+00
TM	LF	265751025	10/27/2010	Ac-228	-1.44E+00	4.14E+00	1.08E+01
TM	LF	265751025	10/27/2010	Ag-108m	-5.97E-01	6.07E-01	1.91E+00
TM	LF	265751025	10/27/2010	Ag-110m	-2.97E-03	6.34E-01	2.11E+00
TM	LF	265751025	10/27/2010	Ba-140	-4.57E-01	3.39E+00	1.14E+01
TM	LF	265751025	10/27/2010	Be-7	-1.53E-01	5.79E+00	1.86E+01
TM	LF	265751025	10/27/2010	Ce-141	-4.10E-01	1.19E+00	3.79E+00
TM	LF	265751025	10/27/2010	Ce-144	6.17E+00	4.25E+00	1.39E+01
TM	LF	265751025	10/27/2010	Co-57	-2.28E-01	5.77E-01	1.86E+00
TM	LF	265751025	10/27/2010	Co-58	-1.00E-01	6.95E-01	2.26E+00
TM	LF	265751025	10/27/2010	Co-60	5.66E-01	8.15E-01	2.75E+00
TM	LF	265751025	10/27/2010	Cr-51	-1.48E+01	6.54E+00	2.05E+01
TM	LF	265751025	10/27/2010	Cs-134	9.61E-01	8.78E-01	2.97E+00
TM	LF	265751025	10/27/2010	Cs-137	5.92E-01	7.19E-01	2.44E+00
TM	LF	265751025	10/27/2010	Fe-59	2.75E+00	1.77E+00	6.14E+00
TM	LF	265751025	10/27/2010	I-131	1.13E-01	2.34E-01	7.62E-01
TM	LF	265751025	10/27/2010	I-131	-1.05E+00	1.25E+00	3.99E+00
TM	LF	265751025	10/27/2010	K-40	1.47E+03	7.58E+01	2.38E+01 *
TM	LF	265751025	10/27/2010	La-140	-9.42E-01	1.09E+00	3.37E+00
TM	LF	265751025	10/27/2010	Mn-54	-6.16E-01	7.45E-01	2.37E+00
TM	LF	265751025	10/27/2010	Nb-95	-5.39E-01	7.34E-01	2.36E+00
TM	LF	265751025	10/27/2010	Ru-103	-1.86E+00	7.44E-01	2.18E+00
TM	LF	265751025	10/27/2010	Ru-106	1.03E+01	6.14E+00	2.13E+01
TM	LF	265751025	10/27/2010	Sb-124	-2.00E+00	1.48E+00	4.57E+00
TM	LF	265751025	10/27/2010	Sb-125	-3.53E+00	1.80E+00	5.49E+00
TM	LF	265751025	10/27/2010	Se-75	6.76E-01	8.98E-01	3.03E+00
TM	LF	265751025	10/27/2010	Th-228	-2.30E+00	1.66E+00	4.56E+00
TM	LF	265751025	10/27/2010	Zn-65	-8.98E-02	1.79E+00	5.98E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	LF	265751025	10/27/2010	Zr-95	7.14E-01	1.26E+00	4.22E+00
TM	MR	266965023	11/10/2010	Ac-228	-5.39E+00	4.54E+00	1.18E+01
TM	MR	266965023	11/10/2010	Ag-108m	-4.26E-01	7.20E-01	2.28E+00
TM	MR	266965023	11/10/2010	Ag-110m	-1.01E+00	8.20E-01	2.62E+00
TM	MR	266965023	11/10/2010	Ba-140	1.79E-01	3.64E+00	1.22E+01
TM	MR	266965023	11/10/2010	Be-7	2.65E+00	6.67E+00	2.28E+01
TM	MR	266965023	11/10/2010	Ce-141	-1.40E-01	1.41E+00	4.50E+00
TM	MR	266965023	11/10/2010	Ce-144	-4.01E+00	5.44E+00	1.72E+01
TM	MR	266965023	11/10/2010	Co-57	-1.68E-02	7.21E-01	2.32E+00
TM	MR	266965023	11/10/2010	Co-58	-7.16E-01	8.61E-01	2.72E+00
TM	MR	266965023	11/10/2010	Co-60	-1.03E+00	9.55E-01	2.98E+00
TM	MR	266965023	11/10/2010	Cr-51	5.64E+00	7.54E+00	2.51E+01
TM	MR	266965023	11/10/2010	Cs-134	-7.00E-01	1.05E+00	3.36E+00
TM	MR	266965023	11/10/2010	Cs-137	1.22E+00	9.01E-01	3.08E+00
TM	MR	266965023	11/10/2010	Fe-59	-2.63E-01	1.98E+00	6.57E+00
TM	MR	266965023	11/10/2010	I-131	-9.90E-01	1.30E+00	4.17E+00
TM	MR	266965023	11/10/2010	I-131	8.10E-02	1.63E-01	5.55E-01
TM	MR	266965023	11/10/2010	K-40	1.89E+03	1.02E+02	2.23E+01 *
TM	MR	266965023	11/10/2010	La-140	-1.92E+00	1.03E+00	3.07E+00
TM	MR	266965023	11/10/2010	Mn-54	1.78E-01	8.71E-01	2.84E+00
TM	MR	266965023	11/10/2010	Nb-95	1.28E+00	8.07E-01	2.76E+00
TM	MR	266965023	11/10/2010	Ru-103	-2.63E-01	8.09E-01	2.71E+00
TM	MR	266965023	11/10/2010	Ru-106	-1.34E+00	6.93E+00	2.29E+01
TM	MR	266965023	11/10/2010	Sb-124	-9.61E-01	1.76E+00	5.68E+00
TM	MR	266965023	11/10/2010	Sb-125	1.80E+00	2.20E+00	7.22E+00
TM	MR	266965023	11/10/2010	Se-75	-1.91E-01	1.06E+00	3.50E+00
TM	MR	266965023	11/10/2010	Th-228	8.96E-01	2.58E+00	5.52E+00
TM	MR	266965023	11/10/2010	Zn-65	-3.27E+00	2.20E+00	6.98E+00
TM	MR	266965023	11/10/2010	Zr-95	9.77E-01	1.40E+00	4.66E+00
TM	SF	266965024	11/10/2010	Ac-228	4.13E+00	4.59E+00	1.08E+01
TM	SF	266965024	11/10/2010	Ag-108m	-2.03E-02	6.09E-01	1.97E+00
TM	SF	266965024	11/10/2010	Ag-110m	1.81E-01	6.28E-01	2.10E+00
TM	SF	266965024	11/10/2010	Ba-140	2.46E+00	3.17E+00	1.08E+01
TM	SF	266965024	11/10/2010	Be-7	5.57E+00	5.75E+00	1.90E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	SF	266965024	11/10/2010	Ce-141	2.71E+00	1.15E+00	3.79E+00
TM	SF	266965024	11/10/2010	Ce-144	-2.25E-01	4.40E+00	1.42E+01
TM	SF	266965024	11/10/2010	Co-57	6.98E-01	5.71E-01	1.88E+00
TM	SF	266965024	11/10/2010	Co-58	-1.64E-01	7.25E-01	2.36E+00
TM	SF	266965024	11/10/2010	Co-60	-6.15E-01	7.68E-01	2.44E+00
TM	SF	266965024	11/10/2010	Cr-51	-7.43E+00	6.22E+00	2.00E+01
TM	SF	266965024	11/10/2010	Cs-134	4.71E-01	8.68E-01	2.89E+00
TM	SF	266965024	11/10/2010	Cs-137	-7.49E-01	6.98E-01	2.25E+00
TM	SF	266965024	11/10/2010	Fe-59	3.98E+00	1.66E+00	5.88E+00
TM	SF	266965024	11/10/2010	I-131	-2.03E-01	1.71E-01	5.42E-01
TM	SF	266965024	11/10/2010	I-131	1.62E-01	1.08E+00	3.54E+00
TM	SF	266965024	11/10/2010	K-40	1.48E+03	7.65E+01	2.29E+01 *
TM	SF	266965024	11/10/2010	La-140	1.10E+00	1.07E+00	3.63E+00
TM	SF	266965024	11/10/2010	Mn-54	1.20E-01	6.96E-01	2.28E+00
TM	SF	266965024	11/10/2010	Nb-95	8.24E-01	7.61E-01	2.57E+00
TM	SF	266965024	11/10/2010	Ru-103	-1.42E+00	7.65E-01	2.31E+00
TM	SF	266965024	11/10/2010	Ru-106	-5.11E+00	6.05E+00	1.97E+01
TM	SF	266965024	11/10/2010	Sb-124	-8.60E-01	1.57E+00	5.10E+00
TM	SF	266965024	11/10/2010	Sb-125	1.96E+00	1.92E+00	6.35E+00
TM	SF	266965024	11/10/2010	Se-75	3.19E-01	9.02E-01	3.03E+00
TM	SF	266965024	11/10/2010	Th-228	4.20E+00	2.20E+00	4.23E+00
TM	SF	266965024	11/10/2010	Zn-65	-2.65E+00	2.10E+00	5.72E+00
TM	SF	266965024	11/10/2010	Zr-95	7.85E-01	1.26E+00	4.21E+00
TM	LF	266965025	11/10/2010	Ac-228	2.81E+00	4.69E+00	1.11E+01
TM	LF	266965025	11/10/2010	Ag-108m	2.61E-02	5.68E-01	1.88E+00
TM	LF	266965025	11/10/2010	Ag-110m	-6.73E+00	8.64E-01	2.17E+00
TM	LF	266965025	11/10/2010	Ba-140	2.77E+00	3.36E+00	1.11E+01
TM	LF	266965025	11/10/2010	Be-7	3.46E+00	5.83E+00	1.94E+01
TM	LF	266965025	11/10/2010	Ce-141	-3.34E+00	1.31E+00	3.34E+00
TM	LF	266965025	11/10/2010	Ce-144	-3.77E+00	3.80E+00	1.25E+01
TM	LF	266965025	11/10/2010	Co-57	9.28E-01	4.88E-01	1.68E+00
TM	LF	266965025	11/10/2010	Co-58	-1.69E-02	7.63E-01	2.53E+00
TM	LF	266965025	11/10/2010	Co-60	-4.58E-01	8.28E-01	2.69E+00
TM	LF	266965025	11/10/2010	Cr-51	-7.86E+00	5.57E+00	1.83E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	LF	266965025	11/10/2010	Cs-134	-6.24E-02	9.10E-01	3.02E+00
TM	LF	266965025	11/10/2010	Cs-137	2.15E-01	1.37E+00	3.78E+00
TM	LF	266965025	11/10/2010	Fe-59	-1.20E+00	1.84E+00	5.80E+00
TM	LF	266965025	11/10/2010	I-131	-4.26E-01	2.01E-01	6.45E-01
TM	LF	266965025	11/10/2010	I-131	1.11E+00	1.01E+00	3.47E+00
TM	LF	266965025	11/10/2010	K-40	1.47E+03	7.27E+01	2.39E+01 *
TM	LF	266965025	11/10/2010	La-140	-1.48E+00	9.24E-01	2.69E+00
TM	LF	266965025	11/10/2010	Mn-54	-1.39E-01	7.39E-01	2.43E+00
TM	LF	266965025	11/10/2010	Nb-95	-3.63E-01	7.75E-01	2.55E+00
TM	LF	266965025	11/10/2010	Ru-103	3.59E-01	7.34E-01	2.43E+00
TM	LF	266965025	11/10/2010	Ru-106	5.15E+00	6.58E+00	2.16E+01
TM	LF	266965025	11/10/2010	Sb-124	-6.18E-02	1.62E+00	5.25E+00
TM	LF	266965025	11/10/2010	Sb-125	-2.45E-01	1.77E+00	5.86E+00
TM	LF	266965025	11/10/2010	Se-75	3.62E-01	8.65E-01	2.80E+00
TM	LF	266965025	11/10/2010	Th-228	-5.71E-01	1.75E+00	4.27E+00
TM	LF	266965025	11/10/2010	Zn-65	-1.85E+00	2.03E+00	6.36E+00
TM	LF	266965025	11/10/2010	Zr-95	1.75E+00	1.38E+00	4.77E+00
TM	MR	267644023	11/24/2010	Ac-228	5.79E+00	5.30E+00	1.12E+01
TM	MR	267644023	11/24/2010	Ag-108m	9.51E-01	7.28E-01	2.44E+00
TM	MR	267644023	11/24/2010	Ag-110m	-1.32E+00	7.42E-01	2.39E+00
TM	MR	267644023	11/24/2010	Ba-140	5.34E+00	3.40E+00	1.10E+01
TM	MR	267644023	11/24/2010	Be-7	-8.32E+00	6.67E+00	2.12E+01
TM	MR	267644023	11/24/2010	Ce-141	1.86E+00	1.56E+00	4.92E+00
TM	MR	267644023	11/24/2010	Ce-144	6.08E+00	6.33E+00	1.91E+01
TM	MR	267644023	11/24/2010	Co-57	1.69E+00	7.92E-01	2.62E+00
TM	MR	267644023	11/24/2010	Co-58	-7.57E-01	7.84E-01	2.55E+00
TM	MR	267644023	11/24/2010	Co-60	2.27E-04	8.62E-01	2.79E+00
TM	MR	267644023	11/24/2010	Cr-51	-1.67E+00	7.07E+00	2.34E+01
TM	MR	267644023	11/24/2010	Cs-134	1.22E+00	9.56E-01	3.27E+00
TM	MR	267644023	11/24/2010	Cs-137	1.86E+00	8.14E-01	2.85E+00
TM	MR	267644023	11/24/2010	Fe-59	1.44E+00	1.77E+00	5.91E+00
TM	MR	267644023	11/24/2010	I-131	-3.21E-03	2.03E-01	6.55E-01
TM	MR	267644023	11/24/2010	I-131	-3.46E-01	1.08E+00	3.55E+00
TM	MR	267644023	11/24/2010	K-40	1.92E+03	1.01E+02	2.33E+01 *

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	MR	267644023	11/24/2010	La-140	1.73E+00	9.03E-01	3.23E+00
TM	MR	267644023	11/24/2010	Mn-54	-4.65E-01	7.66E-01	2.51E+00
TM	MR	267644023	11/24/2010	Nb-95	7.25E-01	7.75E-01	2.64E+00
TM	MR	267644023	11/24/2010	Ru-103	-5.58E-01	7.85E-01	2.52E+00
TM	MR	267644023	11/24/2010	Ru-106	-1.51E+00	6.92E+00	2.22E+01
TM	MR	267644023	11/24/2010	Sb-124	1.84E+00	1.50E+00	5.25E+00
TM	MR	267644023	11/24/2010	Sb-125	-6.32E-01	2.15E+00	7.02E+00
TM	MR	267644023	11/24/2010	Se-75	-1.43E+00	1.10E+00	3.61E+00
TM	MR	267644023	11/24/2010	Th-228	7.64E+00	2.42E+00	5.87E+00 *
TM	MR	267644023	11/24/2010	Zn-65	1.10E+00	2.19E+00	6.25E+00
TM	MR	267644023	11/24/2010	Zr-95	-3.65E-01	1.41E+00	4.68E+00
TM	SF	267644024	11/24/2010	Ac-228	-4.52E+00	4.30E+00	9.99E+00
TM	SF	267644024	11/24/2010	Ag-108m	-6.08E-02	6.08E-01	2.03E+00
TM	SF	267644024	11/24/2010	Ag-110m	-2.12E+00	7.78E-01	2.30E+00
TM	SF	267644024	11/24/2010	Ba-140	-3.80E+00	3.03E+00	9.38E+00
TM	SF	267644024	11/24/2010	Be-7	-1.84E+00	5.84E+00	1.93E+01
TM	SF	267644024	11/24/2010	Ce-141	-3.72E-01	1.13E+00	3.78E+00
TM	SF	267644024	11/24/2010	Ce-144	5.61E+00	4.58E+00	1.56E+01
TM	SF	267644024	11/24/2010	Co-57	1.51E-01	5.52E-01	1.88E+00
TM	SF	267644024	11/24/2010	Co-58	-3.38E-01	7.26E-01	2.42E+00
TM	SF	267644024	11/24/2010	Co-60	1.37E+00	8.04E-01	2.80E+00
TM	SF	267644024	11/24/2010	Cr-51	6.36E+00	6.30E+00	2.06E+01
TM	SF	267644024	11/24/2010	Cs-134	-2.19E-01	9.07E-01	2.88E+00
TM	SF	267644024	11/24/2010	Cs-137	-5.04E+00	1.25E+00	3.00E+00
TM	SF	267644024	11/24/2010	Fe-59	3.69E+00	1.65E+00	5.83E+00
TM	SF	267644024	11/24/2010	I-131	-2.89E-01	1.80E-01	5.83E-01
TM	SF	267644024	11/24/2010	I-131	-9.86E-01	8.60E-01	2.83E+00
TM	SF	267644024	11/24/2010	K-40	1.49E+03	7.77E+01	2.13E+01 *
TM	SF	267644024	11/24/2010	La-140	1.30E+00	9.19E-01	3.29E+00
TM	SF	267644024	11/24/2010	Mn-54	-1.48E-01	7.06E-01	2.36E+00
TM	SF	267644024	11/24/2010	Nb-95	1.03E+00	6.88E-01	2.33E+00
TM	SF	267644024	11/24/2010	Ru-103	-7.63E-01	7.13E-01	2.29E+00
TM	SF	267644024	11/24/2010	Ru-106	2.54E+00	6.44E+00	2.13E+01
TM	SF	267644024	11/24/2010	Sb-124	-2.51E+00	1.54E+00	4.60E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	SF	267644024	11/24/2010	Sb-125	-1.97E-01	1.87E+00	6.27E+00
TM	SF	267644024	11/24/2010	Se-75	6.26E-01	9.56E-01	3.13E+00
TM	SF	267644024	11/24/2010	Th-228	-2.05E+00	2.03E+00	4.79E+00
TM	SF	267644024	11/24/2010	Zn-65	-3.50E+00	1.91E+00	5.86E+00
TM	SF	267644024	11/24/2010	Zr-95	1.56E+00	1.30E+00	4.35E+00
TM	LF	267644025	11/24/2010	Ac-228	8.19E+00	3.09E+00	1.09E+01
TM	LF	267644025	11/24/2010	Ag-108m	-3.60E-01	6.20E-01	2.03E+00
TM	LF	267644025	11/24/2010	Ag-110m	-6.56E+00	8.48E-01	2.13E+00
TM	LF	267644025	11/24/2010	Ba-140	4.80E+00	3.07E+00	1.00E+01
TM	LF	267644025	11/24/2010	Be-7	7.50E+00	5.48E+00	1.86E+01
TM	LF	267644025	11/24/2010	Ce-141	-8.85E-02	9.70E-01	3.24E+00
TM	LF	267644025	11/24/2010	Ce-144	-6.11E+00	3.82E+00	1.24E+01
TM	LF	267644025	11/24/2010	Co-57	-2.40E-02	4.80E-01	1.62E+00
TM	LF	267644025	11/24/2010	Co-58	4.32E+00	1.70E+00	2.58E+00
TM	LF	267644025	11/24/2010	Co-60	1.05E+00	8.27E-01	2.87E+00
TM	LF	267644025	11/24/2010	Cr-51	-3.12E+00	5.43E+00	1.82E+01
TM	LF	267644025	11/24/2010	Cs-134	1.22E+00	9.16E-01	3.16E+00
TM	LF	267644025	11/24/2010	Cs-137	-9.58E-01	1.34E+00	3.74E+00
TM	LF	267644025	11/24/2010	Fe-59	1.41E+00	1.78E+00	5.87E+00
TM	LF	267644025	11/24/2010	I-131	-1.67E-01	2.02E-01	6.61E-01
TM	LF	267644025	11/24/2010	I-131	-1.43E-01	8.79E-01	2.94E+00
TM	LF	267644025	11/24/2010	K-40	1.43E+03	7.13E+01	2.41E+01 *
TM	LF	267644025	11/24/2010	La-140	1.20E+00	8.82E-01	3.09E+00
TM	LF	267644025	11/24/2010	Mn-54	-7.10E-02	7.46E-01	2.46E+00
TM	LF	267644025	11/24/2010	Nb-95	-9.49E-01	7.45E-01	2.39E+00
TM	LF	267644025	11/24/2010	Ru-103	-1.08E+00	6.94E-01	2.17E+00
TM	LF	267644025	11/24/2010	Ru-106	-8.52E-01	6.80E+00	2.18E+01
TM	LF	267644025	11/24/2010	Sb-124	1.06E+00	1.61E+00	5.41E+00
TM	LF	267644025	11/24/2010	Sb-125	-8.36E-02	1.83E+00	6.05E+00
TM	LF	267644025	11/24/2010	Se-75	1.19E-01	9.06E-01	2.91E+00
TM	LF	267644025	11/24/2010	Th-228	6.12E-01	1.93E+00	4.44E+00
TM	LF	267644025	11/24/2010	Zn-65	-6.45E-01	2.18E+00	5.97E+00
TM	LF	267644025	11/24/2010	Zr-95	-3.54E-01	1.31E+00	4.34E+00
TM	MR	268443023	12/8/2010	Ac-228	-6.15E-01	4.02E+00	1.01E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	MR	268443023	12/8/2010	Ag-108m	-3.01E-02	6.34E-01	2.13E+00
TM	MR	268443023	12/8/2010	Ag-110m	-2.52E+00	7.06E-01	2.07E+00
TM	MR	268443023	12/8/2010	Ba-140	5.38E+00	3.73E+00	1.25E+01
TM	MR	268443023	12/8/2010	Be-7	-1.17E+00	6.24E+00	2.08E+01
TM	MR	268443023	12/8/2010	Ce-141	-1.92E+00	1.59E+00	4.10E+00
TM	MR	268443023	12/8/2010	Ce-144	5.19E+00	4.75E+00	1.55E+01
TM	MR	268443023	12/8/2010	Co-57	-6.05E-01	6.07E-01	2.00E+00
TM	MR	268443023	12/8/2010	Co-58	-7.35E-01	8.14E-01	2.58E+00
TM	MR	268443023	12/8/2010	Co-60	-7.31E-01	9.37E-01	3.02E+00
TM	MR	268443023	12/8/2010	Cr-51	-7.60E+00	6.77E+00	2.13E+01
TM	MR	268443023	12/8/2010	Cs-134	-3.17E-01	8.32E-01	2.68E+00
TM	MR	268443023	12/8/2010	Cs-137	2.49E+00	7.89E-01	2.78E+00 *
TM	MR	268443023	12/8/2010	Fe-59	-4.07E-01	1.73E+00	5.75E+00
TM	MR	268443023	12/8/2010	I-131	-9.14E-02	2.12E-01	6.94E-01
TM	MR	268443023	12/8/2010	I-131	2.72E-01	1.24E+00	3.98E+00
TM	MR	268443023	12/8/2010	K-40	1.73E+03	8.38E+01	2.39E+01 *
TM	MR	268443023	12/8/2010	La-140	7.27E-02	1.16E+00	3.81E+00
TM	MR	268443023	12/8/2010	Mn-54	1.67E+00	7.62E-01	2.62E+00
TM	MR	268443023	12/8/2010	Nb-95	2.80E-02	7.91E-01	2.58E+00
TM	MR	268443023	12/8/2010	Ru-103	-8.50E-01	7.29E-01	2.36E+00
TM	MR	268443023	12/8/2010	Ru-106	-7.37E+00	6.74E+00	2.16E+01
TM	MR	268443023	12/8/2010	Sb-124	-1.92E+00	1.56E+00	4.72E+00
TM	MR	268443023	12/8/2010	Sb-125	-2.75E+00	1.86E+00	6.05E+00
TM	MR	268443023	12/8/2010	Se-75	-1.10E+00	9.28E-01	2.94E+00
TM	MR	268443023	12/8/2010	Th-228	4.51E-01	2.05E+00	4.67E+00
TM	MR	268443023	12/8/2010	Zn-65	1.35E+00	2.19E+00	6.46E+00
TM	MR	268443023	12/8/2010	Zr-95	-1.32E+00	1.34E+00	4.23E+00
TM	SF	268443024	12/8/2010	Ac-228	1.19E+01	4.89E+00	1.13E+01
TM	SF	268443024	12/8/2010	Ag-108m	-6.64E-01	6.37E-01	1.99E+00
TM	SF	268443024	12/8/2010	Ag-110m	-1.84E-01	6.16E-01	2.01E+00
TM	SF	268443024	12/8/2010	Ba-140	3.58E-01	3.13E+00	1.05E+01
TM	SF	268443024	12/8/2010	Be-7	-4.91E+00	5.57E+00	1.84E+01
TM	SF	268443024	12/8/2010	Ce-141	-3.89E+00	1.67E+00	3.98E+00
TM	SF	268443024	12/8/2010	Ce-144	5.43E+00	4.91E+00	1.58E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	SF	268443024	12/8/2010	Co-57	1.48E+00	6.42E-01	2.11E+00
TM	SF	268443024	12/8/2010	Co-58	-2.65E-01	6.76E-01	2.16E+00
TM	SF	268443024	12/8/2010	Co-60	4.15E-01	8.71E-01	2.88E+00
TM	SF	268443024	12/8/2010	Cr-51	4.64E+00	6.37E+00	2.11E+01
TM	SF	268443024	12/8/2010	Cs-134	2.39E+00	8.12E-01	2.84E+00
TM	SF	268443024	12/8/2010	Cs-137	-1.53E+00	6.96E-01	2.13E+00
TM	SF	268443024	12/8/2010	Fe-59	2.01E+00	1.77E+00	6.02E+00
TM	SF	268443024	12/8/2010	I-131	-2.44E-01	1.07E+00	3.45E+00
TM	SF	268443024	12/8/2010	I-131	6.40E-02	1.70E-01	5.60E-01
TM	SF	268443024	12/8/2010	K-40	1.37E+03	7.43E+01	2.16E+01 *
TM	SF	268443024	12/8/2010	La-140	-9.11E-01	1.06E+00	3.41E+00
TM	SF	268443024	12/8/2010	Mn-54	-2.93E-01	7.35E-01	2.35E+00
TM	SF	268443024	12/8/2010	Nb-95	-3.81E-02	7.00E-01	2.27E+00
TM	SF	268443024	12/8/2010	Ru-103	-5.17E-01	7.15E-01	2.36E+00
TM	SF	268443024	12/8/2010	Ru-106	-7.58E+00	6.39E+00	2.04E+01
TM	SF	268443024	12/8/2010	Sb-124	-3.40E-01	1.51E+00	4.96E+00
TM	SF	268443024	12/8/2010	Sb-125	-2.61E-01	1.90E+00	6.06E+00
TM	SF	268443024	12/8/2010	Se-75	7.17E-02	9.29E-01	3.07E+00
TM	SF	268443024	12/8/2010	Th-228	8.52E+00	3.02E+00	4.10E+00
TM	SF	268443024	12/8/2010	Zn-65	-1.50E+00	1.72E+00	5.53E+00
TM	SF	268443024	12/8/2010	Zr-95	2.31E+00	1.24E+00	4.25E+00
TM	LF	268443025	12/8/2010	Ac-228	-2.39E-01	4.77E+00	1.01E+01
TM	LF	268443025	12/8/2010	Ag-108m	-6.79E-01	5.99E-01	1.87E+00
TM	LF	268443025	12/8/2010	Ag-110m	-1.27E-01	6.32E-01	2.08E+00
TM	LF	268443025	12/8/2010	Ba-140	2.64E+00	3.02E+00	1.02E+01
TM	LF	268443025	12/8/2010	Be-7	-7.40E+00	5.51E+00	1.80E+01
TM	LF	268443025	12/8/2010	Ce-141	-3.47E-01	1.16E+00	3.92E+00
TM	LF	268443025	12/8/2010	Ce-144	-1.41E+00	4.91E+00	1.55E+01
TM	LF	268443025	12/8/2010	Co-57	2.71E-01	6.16E-01	1.98E+00
TM	LF	268443025	12/8/2010	Co-58	7.78E-01	6.63E-01	2.23E+00
TM	LF	268443025	12/8/2010	Co-60	5.23E-01	7.22E-01	2.43E+00
TM	LF	268443025	12/8/2010	Cr-51	-1.18E+01	6.34E+00	1.99E+01
TM	LF	268443025	12/8/2010	Cs-134	3.31E-01	7.50E-01	2.47E+00
TM	LF	268443025	12/8/2010	Cs-137	1.48E+00	6.91E-01	2.40E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	LF	268443025	12/8/2010	Fe-59	1.10E+00	1.55E+00	5.26E+00
TM	LF	268443025	12/8/2010	I-131	-3.24E-01	2.31E-01	7.20E-01
TM	LF	268443025	12/8/2010	I-131	6.38E-01	1.03E+00	3.39E+00
TM	LF	268443025	12/8/2010	K-40	1.49E+03	7.39E+01	2.11E+01 *
TM	LF	268443025	12/8/2010	La-140	-1.54E+00	8.77E-01	2.56E+00
TM	LF	268443025	12/8/2010	Mn-54	-3.60E-01	7.01E-01	2.24E+00
TM	LF	268443025	12/8/2010	Nb-95	4.37E-01	6.97E-01	2.32E+00
TM	LF	268443025	12/8/2010	Ru-103	6.01E-01	6.66E-01	2.28E+00
TM	LF	268443025	12/8/2010	Ru-106	4.75E+00	5.74E+00	1.94E+01
TM	LF	268443025	12/8/2010	Sb-124	7.27E-01	1.31E+00	4.51E+00
TM	LF	268443025	12/8/2010	Sb-125	-5.63E-01	1.84E+00	5.85E+00
TM	LF	268443025	12/8/2010	Se-75	-6.07E-01	9.30E-01	3.04E+00
TM	LF	268443025	12/8/2010	Th-228	1.09E+00	1.93E+00	4.48E+00
TM	LF	268443025	12/8/2010	Zn-65	-1.49E+00	1.63E+00	5.30E+00
TM	LF	268443025	12/8/2010	Zr-95	-1.28E-01	1.23E+00	4.01E+00
TM	MR	269221023	12/22/2010	Ac-228	-4.87E+00	3.64E+00	9.97E+00
TM	MR	269221023	12/22/2010	Ag-108m	-4.96E-01	6.73E-01	2.20E+00
TM	MR	269221023	12/22/2010	Ag-110m	-1.59E-01	7.98E-01	2.23E+00
TM	MR	269221023	12/22/2010	Ba-140	2.00E+00	1.15E+00	4.03E+00
TM	MR	269221023	12/22/2010	Be-7	-1.01E+01	6.07E+00	1.92E+01
TM	MR	269221023	12/22/2010	Ce-141	1.81E+00	1.31E+00	4.17E+00
TM	MR	269221023	12/22/2010	Ce-144	3.25E+00	5.05E+00	1.60E+01
TM	MR	269221023	12/22/2010	Co-57	-9.50E-01	6.32E-01	2.01E+00
TM	MR	269221023	12/22/2010	Co-58	-6.26E-02	7.95E-01	2.56E+00
TM	MR	269221023	12/22/2010	Co-60	-1.13E+00	8.76E-01	2.75E+00
TM	MR	269221023	12/22/2010	Cr-51	-6.08E+00	6.95E+00	2.29E+01
TM	MR	269221023	12/22/2010	Cs-134	6.97E-01	9.22E-01	3.05E+00
TM	MR	269221023	12/22/2010	Cs-137	4.14E+00	1.41E+00	2.51E+00
TM	MR	269221023	12/22/2010	Fe-59	-6.16E-01	1.84E+00	6.05E+00
TM	MR	269221023	12/22/2010	I-131	-2.45E-01	3.03E-01	9.59E-01
TM	MR	269221023	12/22/2010	I-131	3.24E-01	1.21E+00	4.04E+00
TM	MR	269221023	12/22/2010	K-40	1.73E+03	8.34E+01	2.15E+01 *
TM	MR	269221023	12/22/2010	La-140	2.00E+00	1.15E+00	4.03E+00
TM	MR	269221023	12/22/2010	Mn-54	1.40E+00	7.59E-01	2.58E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	MR	269221023	12/22/2010	Nb-95	7.76E-01	7.44E-01	2.48E+00
TM	MR	269221023	12/22/2010	Ru-103	-2.38E-01	7.62E-01	2.49E+00
TM	MR	269221023	12/22/2010	Ru-106	9.44E+00	6.83E+00	2.31E+01
TM	MR	269221023	12/22/2010	Sb-124	2.39E+00	1.45E+00	5.13E+00
TM	MR	269221023	12/22/2010	Sb-125	4.18E+00	1.93E+00	6.66E+00
TM	MR	269221023	12/22/2010	Se-75	-3.56E-01	9.40E-01	3.15E+00
TM	MR	269221023	12/22/2010	Th-228	1.02E+00	2.39E+00	4.94E+00
TM	MR	269221023	12/22/2010	Zn-65	1.67E+00	1.74E+00	5.96E+00
TM	MR	269221023	12/22/2010	Zr-95	6.60E-01	1.34E+00	4.40E+00
TM	SF	269221024	12/22/2010	Ac-228	8.31E+00	3.07E+00	1.06E+01
TM	SF	269221024	12/22/2010	Ag-108m	-3.97E-01	5.72E-01	1.89E+00
TM	SF	269221024	12/22/2010	Ag-110m	-5.94E-01	6.81E-01	2.19E+00
TM	SF	269221024	12/22/2010	Ba-140	-1.76E+00	1.01E+00	2.96E+00
TM	SF	269221024	12/22/2010	Be-7	-3.74E+00	5.37E+00	1.76E+01
TM	SF	269221024	12/22/2010	Ce-141	1.14E+00	1.19E+00	3.86E+00
TM	SF	269221024	12/22/2010	Ce-144	-2.56E+00	4.30E+00	1.42E+01
TM	SF	269221024	12/22/2010	Co-57	3.35E-01	5.65E-01	1.90E+00
TM	SF	269221024	12/22/2010	Co-58	-3.82E-01	7.15E-01	2.29E+00
TM	SF	269221024	12/22/2010	Co-60	1.03E+00	8.21E-01	2.83E+00
TM	SF	269221024	12/22/2010	Cr-51	-8.23E+00	6.30E+00	1.97E+01
TM	SF	269221024	12/22/2010	Cs-134	1.19E+00	8.53E-01	2.90E+00
TM	SF	269221024	12/22/2010	Cs-137	-7.22E-01	7.37E-01	2.36E+00
TM	SF	269221024	12/22/2010	Fe-59	7.10E-01	1.67E+00	5.67E+00
TM	SF	269221024	12/22/2010	I-131	8.23E-02	1.16E+00	3.73E+00
TM	SF	269221024	12/22/2010	I-131	2.83E-01	2.23E-01	7.46E-01
TM	SF	269221024	12/22/2010	K-40	1.34E+03	6.70E+01	2.07E+01 *
TM	SF	269221024	12/22/2010	La-140	-1.76E+00	1.00E+00	2.96E+00
TM	SF	269221024	12/22/2010	Mn-54	3.03E-01	7.04E-01	2.32E+00
TM	SF	269221024	12/22/2010	Nb-95	3.52E-01	7.14E-01	2.36E+00
TM	SF	269221024	12/22/2010	Ru-103	-1.45E+00	7.21E-01	2.27E+00
TM	SF	269221024	12/22/2010	Ru-106	2.22E+00	6.12E+00	2.04E+01
TM	SF	269221024	12/22/2010	Sb-124	1.09E+00	1.48E+00	5.03E+00
TM	SF	269221024	12/22/2010	Sb-125	3.60E-01	1.80E+00	6.07E+00
TM	SF	269221024	12/22/2010	Se-75	6.76E-01	9.18E-01	3.02E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TM	SF	269221024	12/22/2010	Th-228	3.19E+00	1.62E+00	4.33E+00
TM	SF	269221024	12/22/2010	Zn-65	-2.31E+00	1.63E+00	5.19E+00
TM	SF	269221024	12/22/2010	Zr-95	1.16E+00	1.27E+00	4.26E+00
TM	LF	269221025	12/22/2010	Ac-228	-3.16E+00	3.73E+00	8.44E+00
TM	LF	269221025	12/22/2010	Ag-108m	3.93E-01	5.19E-01	1.71E+00
TM	LF	269221025	12/22/2010	Ag-110m	-4.28E-01	5.61E-01	1.84E+00
TM	LF	269221025	12/22/2010	Ba-140	7.49E-01	7.54E-01	2.65E+00
TM	LF	269221025	12/22/2010	Be-7	3.26E+00	4.89E+00	1.60E+01
TM	LF	269221025	12/22/2010	Ce-141	1.29E-01	1.12E+00	3.52E+00
TM	LF	269221025	12/22/2010	Ce-144	-2.32E-01	3.91E+00	1.32E+01
TM	LF	269221025	12/22/2010	Co-57	4.95E-01	4.95E-01	1.70E+00
TM	LF	269221025	12/22/2010	Co-58	8.19E-02	6.02E-01	2.01E+00
TM	LF	269221025	12/22/2010	Co-60	4.04E-01	7.23E-01	2.38E+00
TM	LF	269221025	12/22/2010	Cr-51	-2.75E-01	5.46E+00	1.79E+01
TM	LF	269221025	12/22/2010	Cs-134	-6.39E-02	7.40E-01	2.45E+00
TM	LF	269221025	12/22/2010	Cs-137	3.96E-01	6.22E-01	2.12E+00
TM	LF	269221025	12/22/2010	Fe-59	1.16E+00	1.45E+00	4.83E+00
TM	LF	269221025	12/22/2010	I-131	8.96E-02	2.79E-01	9.20E-01
TM	LF	269221025	12/22/2010	I-131	-7.63E-01	1.05E+00	3.36E+00
TM	LF	269221025	12/22/2010	K-40	1.40E+03	7.49E+01	1.88E+01 *
TM	LF	269221025	12/22/2010	La-140	7.49E-01	7.54E-01	2.65E+00
TM	LF	269221025	12/22/2010	Mn-54	-1.96E+00	5.96E-01	1.73E+00
TM	LF	269221025	12/22/2010	Nb-95	1.10E+00	6.17E-01	2.15E+00
TM	LF	269221025	12/22/2010	Ru-103	-2.17E+00	6.49E-01	1.83E+00
TM	LF	269221025	12/22/2010	Ru-106	-1.20E+00	5.25E+00	1.75E+01
TM	LF	269221025	12/22/2010	Sb-124	-1.64E+00	1.27E+00	3.88E+00
TM	LF	269221025	12/22/2010	Sb-125	1.91E+00	1.52E+00	5.08E+00
TM	LF	269221025	12/22/2010	Se-75	-3.75E-01	7.78E-01	2.55E+00
TM	LF	269221025	12/22/2010	Th-228	-4.16E+00	1.68E+00	3.92E+00
TM	LF	269221025	12/22/2010	Zn-65	-1.36E+00	1.54E+00	4.88E+00
TM	LF	269221025	12/22/2010	Zr-95	6.67E-01	1.02E+00	3.48E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TV	ONS1-V	L16502-01	5/6/2010	AcTh-228	-4.00E+00	3.80E+01	1.30E+02
TV	ONS1-V	L16502-01	5/6/2010	Ag-108m	-3.00E-01	7.50E+00	2.60E+01
TV	ONS1-V	L16502-01	5/6/2010	Ag-110m	1.10E+01	1.40E+01	4.70E+01
TV	ONS1-V	L16502-01	5/6/2010	Ba-140	-3.00E+01	1.30E+02	4.90E+02
TV	ONS1-V	L16502-01	5/6/2010	Be-7	3.70E+02	1.40E+02	4.40E+02
TV	ONS1-V	L16502-01	5/6/2010	Ce-141	-2.70E+01	2.30E+01	8.20E+01
TV	ONS1-V	L16502-01	5/6/2010	Ce-144	-2.30E+01	4.10E+01	1.40E+02
TV	ONS1-V	L16502-01	5/6/2010	Co-57	-2.90E+00	5.10E+00	1.80E+01
TV	ONS1-V	L16502-01	5/6/2010	Co-58	6.00E+00	1.30E+01	4.40E+01
TV	ONS1-V	L16502-01	5/6/2010	Co-60	-1.30E+01	1.20E+01	4.30E+01
TV	ONS1-V	L16502-01	5/6/2010	Cr-51	2.80E+02	1.90E+02	6.30E+02
TV	ONS1-V	L16502-01	5/6/2010	Cs-134	-9.10E+00	7.30E+00	3.40E+01
TV	ONS1-V	L16502-01	5/6/2010	Cs-137	9.70E+00	9.60E+00	3.20E+01
TV	ONS1-V	L16502-01	5/6/2010	Fe-59	-3.90E+01	3.60E+01	1.40E+02
TV	ONS1-V	L16502-01	5/6/2010	I-131	6.00E+00	1.20E+01	5.90E+01
TV	ONS1-V	L16502-01	5/6/2010	K-40	3.78E+03	2.60E+02	5.00E+02 *
TV	ONS1-V	L16502-01	5/6/2010	La-140	-3.00E+01	1.30E+02	4.90E+02
TV	ONS1-V	L16502-01	5/6/2010	Mn-54	-6.00E+00	1.00E+01	3.70E+01
TV	ONS1-V	L16502-01	5/6/2010	Nb-95	-4.00E+00	2.10E+01	7.30E+01
TV	ONS1-V	L16502-01	5/6/2010	Ru-103	1.00E+00	1.90E+01	6.60E+01
TV	ONS1-V	L16502-01	5/6/2010	Ru-106	-1.02E+02	8.30E+01	3.00E+02
TV	ONS1-V	L16502-01	5/6/2010	Sb-124	-1.10E+01	3.70E+01	1.40E+02
TV	ONS1-V	L16502-01	5/6/2010	Sb-125	5.60E+01	2.40E+01	7.80E+01
TV	ONS1-V	L16502-01	5/6/2010	Se-75	8.00E+00	1.20E+01	3.90E+01
TV	ONS1-V	L16502-01	5/6/2010	Zn-65	-1.90E+01	2.40E+01	8.80E+01
TV	ONS1-V	L16502-01	5/6/2010	Zr-95	2.20E+01	2.60E+01	8.70E+01
TV	ONS2-V	L16502-02	5/6/2010	AcTh-228	5.00E+01	5.40E+01	1.80E+02
TV	ONS2-V	L16502-02	5/6/2010	Ag-108m	-1.40E+00	9.40E+00	3.30E+01
TV	ONS2-V	L16502-02	5/6/2010	Ag-110m	-2.50E+01	1.60E+01	6.20E+01
TV	ONS2-V	L16502-02	5/6/2010	Ba-140	-1.10E+02	1.70E+02	6.50E+02
TV	ONS2-V	L16502-02	5/6/2010	Be-7	5.90E+02	2.00E+02	6.20E+02
TV	ONS2-V	L16502-02	5/6/2010	Ce-141	2.90E+01	3.30E+01	1.10E+02
TV	ONS2-V	L16502-02	5/6/2010	Ce-144	7.00E+00	5.30E+01	1.80E+02
TV	ONS2-V	L16502-02	5/6/2010	Co-57	3.60E+00	6.50E+00	2.20E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TV	ONS2-V	L16502-02	5/6/2010	Co-58	-3.00E+00	1.50E+01	5.30E+01
TV	ONS2-V	L16502-02	5/6/2010	Co-60	7.00E+00	1.30E+01	4.50E+01
TV	ONS2-V	L16502-02	5/6/2010	Cr-51	2.10E+02	2.30E+02	7.90E+02
TV	ONS2-V	L16502-02	5/6/2010	Cs-134	4.00E+00	1.00E+01	4.70E+01
TV	ONS2-V	L16502-02	5/6/2010	Cs-137	-8.00E+00	1.20E+01	4.30E+01
TV	ONS2-V	L16502-02	5/6/2010	Fe-59	-4.70E+01	4.20E+01	1.60E+02
TV	ONS2-V	L16502-02	5/6/2010	I-131	5.00E+00	1.10E+01	5.70E+01
TV	ONS2-V	L16502-02	5/6/2010	K-40	5.40E+03	3.30E+02	6.30E+02 *
TV	ONS2-V	L16502-02	5/6/2010	La-140	-1.10E+02	1.70E+02	6.50E+02
TV	ONS2-V	L16502-02	5/6/2010	Mn-54	8.00E+00	1.20E+01	4.30E+01
TV	ONS2-V	L16502-02	5/6/2010	Nb-95	6.00E+00	2.90E+01	1.00E+02
TV	ONS2-V	L16502-02	5/6/2010	Ru-103	-4.70E+01	2.20E+01	8.20E+01
TV	ONS2-V	L16502-02	5/6/2010	Ru-106	-1.20E+02	1.00E+02	3.70E+02
TV	ONS2-V	L16502-02	5/6/2010	Sb-124	-2.70E+01	4.00E+01	1.60E+02
TV	ONS2-V	L16502-02	5/6/2010	Sb-125	-5.00E+00	2.90E+01	1.00E+02
TV	ONS2-V	L16502-02	5/6/2010	Se-75	-3.00E+00	1.10E+01	3.90E+01
TV	ONS2-V	L16502-02	5/6/2010	Zn-65	8.00E+00	2.80E+01	9.80E+01
TV	ONS2-V	L16502-02	5/6/2010	Zr-95	0.00E+00	3.20E+01	1.10E+02
TV	ONS3-V	L16502-03	5/6/2010	AcTh-228	2.60E+01	3.80E+01	1.30E+02
TV	ONS3-V	L16502-03	5/6/2010	Ag-108m	6.50E+00	6.10E+00	2.10E+01
TV	ONS3-V	L16502-03	5/6/2010	Ag-110m	1.81E+01	8.80E+00	2.60E+01
TV	ONS3-V	L16502-03	5/6/2010	Ba-140	0.00E+00	1.80E+01	7.40E+01
TV	ONS3-V	L16502-03	5/6/2010	Be-7	7.50E+02	1.30E+02	3.40E+02 *
TV	ONS3-V	L16502-03	5/6/2010	Ce-141	1.57E+01	9.70E+00	3.20E+01
TV	ONS3-V	L16502-03	5/6/2010	Ce-144	1.70E+01	2.50E+01	8.70E+01
TV	ONS3-V	L16502-03	5/6/2010	Co-57	4.90E+00	3.30E+00	1.10E+01
TV	ONS3-V	L16502-03	5/6/2010	Co-58	-5.50E+00	7.50E+00	3.00E+01
TV	ONS3-V	L16502-03	5/6/2010	Co-60	-5.80E+00	8.70E+00	3.70E+01
TV	ONS3-V	L16502-03	5/6/2010	Cr-51	7.40E+01	5.50E+01	1.90E+02
TV	ONS3-V	L16502-03	5/6/2010	Cs-134	-1.90E+00	6.00E+00	2.90E+01
TV	ONS3-V	L16502-03	5/6/2010	Cs-137	-6.50E+00	8.30E+00	3.20E+01
TV	ONS3-V	L16502-03	5/6/2010	Fe-59	1.50E+01	1.60E+01	5.50E+01
TV	ONS3-V	L16502-03	5/6/2010	I-131	-6.00E+00	1.20E+00	5.90E+01
TV	ONS3-V	L16502-03	5/6/2010	K-40	4.00E+03	3.20E+02	5.30E+02 *

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TV	ONS3-V	L16502-03	5/6/2010	La-140	0.00E+00	1.80E+01	7.40E+01
TV	ONS3-V	L16502-03	5/6/2010	Mn-54	-1.70E+00	6.40E+00	2.50E+01
TV	ONS3-V	L16502-03	5/6/2010	Nb-95	-8.10E+00	9.00E+00	3.60E+01
TV	ONS3-V	L16502-03	5/6/2010	Ru-103	-1.50E+01	7.70E+00	3.20E+01
TV	ONS3-V	L16502-03	5/6/2010	Ru-106	-3.00E+01	6.70E+01	2.60E+02
TV	ONS3-V	L16502-03	5/6/2010	Sb-124	0.00E+00	2.10E+01	8.50E+01
TV	ONS3-V	L16502-03	5/6/2010	Sb-125	1.20E+01	1.50E+01	5.10E+01
TV	ONS3-V	L16502-03	5/6/2010	Se-75	3.90E+00	6.80E+00	2.40E+01
TV	ONS3-V	L16502-03	5/6/2010	Zn-65	-2.10E+01	1.90E+01	7.80E+01
TV	ONS3-V	L16502-03	5/6/2010	Zr-95	-2.00E+00	1.30E+01	5.10E+01
TV	OFS-V	L16502-04	5/6/2010	AcTh-228	-3.00E+00	6.20E+01	2.20E+02
TV	OFS-V	L16502-04	5/6/2010	Ag-108m	-2.00E+00	1.20E+01	4.10E+01
TV	OFS-V	L16502-04	5/6/2010	Ag-110m	2.70E+01	2.10E+01	7.10E+01
TV	OFS-V	L16502-04	5/6/2010	Ba-140	1.00E+01	2.20E+02	8.20E+02
TV	OFS-V	L16502-04	5/6/2010	Be-7	1.24E+03	2.60E+02	7.80E+02 *
TV	OFS-V	L16502-04	5/6/2010	Ce-141	-2.10E+01	3.60E+01	1.30E+02
TV	OFS-V	L16502-04	5/6/2010	Ce-144	-8.30E+01	6.10E+01	2.20E+02
TV	OFS-V	L16502-04	5/6/2010	Co-57	1.76E+01	7.70E+00	2.50E+01
TV	OFS-V	L16502-04	5/6/2010	Co-58	2.80E+01	2.00E+01	6.60E+01
TV	OFS-V	L16502-04	5/6/2010	Co-60	4.00E+00	1.30E+01	4.80E+01
TV	OFS-V	L16502-04	5/6/2010	Cr-51	-9.00E+01	2.70E+02	9.70E+02
TV	OFS-V	L16502-04	5/6/2010	Cs-134	-1.40E+01	1.00E+01	5.20E+01
TV	OFS-V	L16502-04	5/6/2010	Cs-137	-5.00E+00	1.30E+01	4.70E+01
TV	OFS-V	L16502-04	5/6/2010	Fe-59	-3.40E+01	5.80E+01	2.20E+02
TV	OFS-V	L16502-04	5/6/2010	I-131	1.70E+01	1.60E+01	5.80E+01
TV	OFS-V	L16502-04	5/6/2010	K-40	3.65E+03	3.50E+02	7.30E+02 *
TV	OFS-V	L16502-04	5/6/2010	La-140	1.00E+01	2.20E+02	8.20E+02
TV	OFS-V	L16502-04	5/6/2010	Mn-54	0.00E+00	1.70E+01	5.90E+01
TV	OFS-V	L16502-04	5/6/2010	Nb-95	-7.00E+00	3.20E+01	1.20E+02
TV	OFS-V	L16502-04	5/6/2010	Ru-103	0.00E+00	2.60E+01	9.20E+01
TV	OFS-V	L16502-04	5/6/2010	Ru-106	-1.50E+02	1.40E+02	5.10E+02
TV	OFS-V	L16502-04	5/6/2010	Sb-124	-6.00E+00	4.90E+01	1.90E+02
TV	OFS-V	L16502-04	5/6/2010	Sb-125	-5.40E+01	3.70E+01	1.40E+02
TV	OFS-V	L16502-04	5/6/2010	Se-75	-6.00E+00	1.90E+01	6.70E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TV	OFS-V	L16502-04	5/6/2010	Zn-65	5.40E+01	3.60E+01	1.20E+02
TV	OFS-V	L16502-04	5/6/2010	Zr-95	-8.00E+00	4.00E+01	1.40E+02
TV	ONS3-V	L16603-01	6/4/2010	AcTh-228	-5.30E+01	3.60E+01	1.50E+02
TV	ONS3-V	L16603-01	6/4/2010	Ag-108m	7.40E+00	9.60E+00	3.30E+01
TV	ONS3-V	L16603-01	6/4/2010	Ag-110m	2.80E+01	1.80E+01	6.10E+01
TV	ONS3-V	L16603-01	6/4/2010	Ba-140	7.80E+01	8.80E+01	3.10E+02
TV	ONS3-V	L16603-01	6/4/2010	Be-7	0.00E+00	1.50E+02	5.20E+02
TV	ONS3-V	L16603-01	6/4/2010	Ce-141	-4.40E+01	2.30E+01	8.70E+01
TV	ONS3-V	L16603-01	6/4/2010	Ce-144	3.70E+01	5.50E+01	1.90E+02
TV	ONS3-V	L16603-01	6/4/2010	Co-57	-4.00E-01	6.10E+00	2.20E+01
TV	ONS3-V	L16603-01	6/4/2010	Co-58	2.00E+00	1.60E+01	5.70E+01
TV	ONS3-V	L16603-01	6/4/2010	Co-60	-2.30E+01	1.30E+01	5.60E+01
TV	ONS3-V	L16603-01	6/4/2010	Cr-51	2.40E+02	1.70E+02	5.70E+02
TV	ONS3-V	L16603-01	6/4/2010	Cs-134	-2.02E+01	8.70E+00	4.90E+01
TV	ONS3-V	L16603-01	6/4/2010	Cs-137	-3.30E+01	1.20E+01	5.00E+01
TV	ONS3-V	L16603-01	6/4/2010	Fe-59	-2.70E+01	3.70E+01	1.50E+02
TV	ONS3-V	L16603-01	6/4/2010	I-131	2.90E+01	1.90E+01	5.40E+01
TV	ONS3-V	L16603-01	6/4/2010	K-40	3.58E+03	3.30E+02	5.70E+02 *
TV	ONS3-V	L16603-01	6/4/2010	La-140	7.80E+01	8.80E+01	3.10E+02
TV	ONS3-V	L16603-01	6/4/2010	Mn-54	-2.00E+00	1.20E+01	4.50E+01
TV	ONS3-V	L16603-01	6/4/2010	Nb-95	3.20E+01	2.10E+01	6.80E+01
TV	ONS3-V	L16603-01	6/4/2010	Ru-103	-2.70E+01	1.80E+01	7.00E+01
TV	ONS3-V	L16603-01	6/4/2010	Ru-106	1.30E+02	1.00E+02	3.50E+02
TV	ONS3-V	L16603-01	6/4/2010	Sb-124	3.60E+01	2.60E+01	8.70E+01
TV	ONS3-V	L16603-01	6/4/2010	Sb-125	1.00E+01	2.60E+01	9.30E+01
TV	ONS3-V	L16603-01	6/4/2010	Se-75	3.00E+00	1.50E+01	5.20E+01
TV	ONS3-V	L16603-01	6/4/2010	Zn-65	4.10E+01	2.60E+01	8.40E+01
TV	ONS3-V	L16603-01	6/4/2010	Zr-95	8.00E+00	2.40E+01	8.70E+01
TV	ONS3-V	L16603-02	6/4/2010	AcTh-228	6.30E+01	6.70E+01	2.30E+02
TV	ONS3-V	L16603-02	6/4/2010	Ag-108m	-1.30E+01	1.40E+01	5.30E+01
TV	ONS3-V	L16603-02	6/4/2010	Ag-110m	-2.20E+01	2.50E+01	1.00E+02
TV	ONS3-V	L16603-02	6/4/2010	Ba-140	-9.00E+01	1.20E+02	5.10E+02
TV	ONS3-V	L16603-02	6/4/2010	Be-7	1.54E+03	2.70E+02	6.50E+02 *
TV	ONS3-V	L16603-02	6/4/2010	Ce-141	-3.00E+00	3.00E+01	1.10E+02

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TV	ONS3-V	L16603-02	6/4/2010	Ce-144	1.90E+01	6.10E+01	2.20E+02
TV	ONS3-V	L16603-02	6/4/2010	Co-57	-4.10E+00	8.00E+00	3.00E+01
TV	ONS3-V	L16603-02	6/4/2010	Co-58	0.00E+00	1.90E+01	7.10E+01
TV	ONS3-V	L16603-02	6/4/2010	Co-60	3.20E+01	1.70E+01	5.20E+01
TV	ONS3-V	L16603-02	6/4/2010	Cr-51	-5.70E+02	2.50E+02	1.00E+03
TV	ONS3-V	L16603-02	6/4/2010	Cs-134	-3.00E+00	1.20E+01	5.80E+01
TV	ONS3-V	L16603-02	6/4/2010	Cs-137	-1.30E+01	1.30E+01	5.40E+01
TV	ONS3-V	L16603-02	6/4/2010	Fe-59	-3.70E+01	5.40E+01	2.20E+02
TV	ONS3-V	L16603-02	6/4/2010	I-131	7.00E+00	1.10E+01	5.40E+01
TV	ONS3-V	L16603-02	6/4/2010	K-40	2.61E+03	3.80E+02	7.60E+02 *
TV	ONS3-V	L16603-02	6/4/2010	La-140	-9.00E+01	1.20E+02	5.10E+02
TV	ONS3-V	L16603-02	6/4/2010	Mn-54	-3.00E+00	1.70E+01	6.50E+01
TV	ONS3-V	L16603-02	6/4/2010	Nb-95	-3.10E+01	2.60E+01	1.10E+02
TV	ONS3-V	L16603-02	6/4/2010	Ru-103	1.60E+01	2.10E+01	7.30E+01
TV	ONS3-V	L16603-02	6/4/2010	Ru-106	-1.00E+02	1.40E+02	5.40E+02
TV	ONS3-V	L16603-02	6/4/2010	Sb-124	-2.50E+01	2.70E+01	1.50E+02
TV	ONS3-V	L16603-02	6/4/2010	Sb-125	-3.50E+01	4.30E+01	1.60E+02
TV	ONS3-V	L16603-02	6/4/2010	Se-75	1.60E+01	1.90E+01	6.40E+01
TV	ONS3-V	L16603-02	6/4/2010	Zn-65	1.00E+01	2.70E+01	1.00E+02
TV	ONS3-V	L16603-02	6/4/2010	Zr-95	-6.00E+01	4.30E+01	1.70E+02
TV	ONS3-V	L16603-03	6/4/2010	AcTh-228	2.80E+01	3.20E+01	1.10E+02
TV	ONS3-V	L16603-03	6/4/2010	Ag-108m	1.40E+00	7.30E+00	2.60E+01
TV	ONS3-V	L16603-03	6/4/2010	Ag-110m	5.00E+00	1.40E+01	5.10E+01
TV	ONS3-V	L16603-03	6/4/2010	Ba-140	0.00E+00	1.50E+02	5.60E+02
TV	ONS3-V	L16603-03	6/4/2010	Be-7	1.80E+02	1.10E+02	5.30E+02
TV	ONS3-V	L16603-03	6/4/2010	Ce-141	-1.00E+01	2.70E+01	9.50E+01
TV	ONS3-V	L16603-03	6/4/2010	Ce-144	-1.00E+00	4.20E+01	1.50E+02
TV	ONS3-V	L16603-03	6/4/2010	Co-57	-5.20E+00	5.60E+00	2.00E+01
TV	ONS3-V	L16603-03	6/4/2010	Co-58	3.10E+01	1.30E+01	3.90E+01
TV	ONS3-V	L16603-03	6/4/2010	Co-60	1.60E+01	1.00E+01	3.30E+01
TV	ONS3-V	L16603-03	6/4/2010	Cr-51	-7.00E+01	2.00E+02	7.30E+02
TV	ONS3-V	L16603-03	6/4/2010	Cs-134	-7.60E+00	6.90E+00	3.60E+01
TV	ONS3-V	L16603-03	6/4/2010	Cs-137	-3.00E-01	8.90E+00	3.20E+01
TV	ONS3-V	L16603-03	6/4/2010	Fe-59	-3.00E+00	3.00E+01	1.10E+02

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TV	ONS3-V	L16603-03	6/4/2010	I-131	-4.34E+00	8.30E-01	5.30E+01
TV	ONS3-V	L16603-03	6/4/2010	K-40	1.18E+03	2.00E+02	5.40E+02 *
TV	ONS3-V	L16603-03	6/4/2010	La-140	0.00E+00	1.50E+02	5.60E+02
TV	ONS3-V	L16603-03	6/4/2010	Mn-54	1.06E+01	9.60E+00	3.30E+01
TV	ONS3-V	L16603-03	6/4/2010	Nb-95	-2.80E+01	2.30E+01	8.70E+01
TV	ONS3-V	L16603-03	6/4/2010	Ru-103	2.00E+00	1.80E+01	6.50E+01
TV	ONS3-V	L16603-03	6/4/2010	Ru-106	-6.90E+01	8.30E+01	3.10E+02
TV	ONS3-V	L16603-03	6/4/2010	Sb-124	-3.70E+01	3.10E+01	1.30E+02
TV	ONS3-V	L16603-03	6/4/2010	Sb-125	0.00E+00	2.40E+01	8.70E+01
TV	ONS3-V	L16603-03	6/4/2010	Se-75	-1.00E+01	1.20E+01	4.30E+01
TV	ONS3-V	L16603-03	6/4/2010	Zn-65	-2.80E+01	2.20E+01	8.60E+01
TV	ONS3-V	L16603-03	6/4/2010	Zr-95	-5.60E+01	2.40E+01	9.90E+01
TV	ONS1-V	L16603-04	6/4/2010	AcTh-228	5.40E+01	5.50E+01	1.90E+02
TV	ONS1-V	L16603-04	6/4/2010	Ag-108m	1.80E+00	8.50E+00	3.20E+01
TV	ONS1-V	L16603-04	6/4/2010	Ag-110m	3.30E+01	2.20E+01	7.40E+01
TV	ONS1-V	L16603-04	6/4/2010	Ba-140	3.70E+01	6.40E+01	2.70E+02
TV	ONS1-V	L16603-04	6/4/2010	Be-7	1.30E+02	1.40E+02	4.90E+02
TV	ONS1-V	L16603-04	6/4/2010	Ce-141	2.90E+01	2.40E+01	8.20E+01
TV	ONS1-V	L16603-04	6/4/2010	Ce-144	-3.70E+01	4.20E+01	1.60E+02
TV	ONS1-V	L16603-04	6/4/2010	Co-57	6.10E+00	5.50E+00	1.90E+01
TV	ONS1-V	L16603-04	6/4/2010	Co-58	-1.00E+01	1.70E+01	7.20E+01
TV	ONS1-V	L16603-04	6/4/2010	Co-60	3.00E+00	1.50E+01	6.00E+01
TV	ONS1-V	L16603-04	6/4/2010	Cr-51	-2.80E+02	1.60E+02	6.90E+02
TV	ONS1-V	L16603-04	6/4/2010	Cs-134	1.40E+00	9.50E+00	4.80E+01
TV	ONS1-V	L16603-04	6/4/2010	Cs-137	-1.00E+01	1.20E+01	5.10E+01
TV	ONS1-V	L16603-04	6/4/2010	Fe-59	4.60E+01	4.30E+01	1.50E+02
TV	ONS1-V	L16603-04	6/4/2010	I-131	1.80E+01	1.60E+01	5.30E+01
TV	ONS1-V	L16603-04	6/4/2010	K-40	2.32E+03	3.60E+02	6.40E+02 *
TV	ONS1-V	L16603-04	6/4/2010	La-140	3.70E+01	6.40E+01	2.70E+02
TV	ONS1-V	L16603-04	6/4/2010	Mn-54	2.60E+01	1.10E+01	3.10E+01
TV	ONS1-V	L16603-04	6/4/2010	Nb-95	1.30E+01	2.40E+01	8.90E+01
TV	ONS1-V	L16603-04	6/4/2010	Ru-103	7.00E+00	1.90E+01	7.00E+01
TV	ONS1-V	L16603-04	6/4/2010	Ru-106	2.00E+01	1.40E+02	5.20E+02
TV	ONS1-V	L16603-04	6/4/2010	Sb-124	-3.90E+01	3.70E+01	1.90E+02

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TV	ONS1-V	L16603-04	6/4/2010	Sb-125	-1.60E+01	2.90E+01	1.20E+02
TV	ONS1-V	L16603-04	6/4/2010	Se-75	-1.30E+01	1.30E+01	5.10E+01
TV	ONS1-V	L16603-04	6/4/2010	Zn-65	6.60E+01	3.30E+01	9.90E+01
TV	ONS1-V	L16603-04	6/4/2010	Zr-95	2.20E+01	3.00E+01	1.10E+02
TV	ONS1-V	L16603-05	6/4/2010	AcTh-228	-2.00E+01	3.40E+01	1.30E+02
TV	ONS1-V	L16603-05	6/4/2010	Ag-108m	3.00E+00	6.90E+00	2.50E+01
TV	ONS1-V	L16603-05	6/4/2010	Ag-110m	-6.00E+00	1.30E+01	5.10E+01
TV	ONS1-V	L16603-05	6/4/2010	Ba-140	-1.42E+02	5.90E+01	2.90E+02
TV	ONS1-V	L16603-05	6/4/2010	Be-7	2.40E+02	1.20E+02	3.70E+02
TV	ONS1-V	L16603-05	6/4/2010	Ce-141	1.70E+01	1.90E+01	6.40E+01
TV	ONS1-V	L16603-05	6/4/2010	Ce-144	-8.00E+00	4.00E+01	1.40E+02
TV	ONS1-V	L16603-05	6/4/2010	Co-57	5.00E-01	4.70E+00	1.70E+01
TV	ONS1-V	L16603-05	6/4/2010	Co-58	9.00E+00	1.20E+01	4.30E+01
TV	ONS1-V	L16603-05	6/4/2010	Co-60	1.58E+01	9.30E+00	3.00E+01
TV	ONS1-V	L16603-05	6/4/2010	Cr-51	-1.30E+02	1.40E+02	5.30E+02
TV	ONS1-V	L16603-05	6/4/2010	Cs-134	2.10E+00	7.10E+00	3.50E+01
TV	ONS1-V	L16603-05	6/4/2010	Cs-137	2.12E+01	9.90E+00	3.10E+01
TV	ONS1-V	L16603-05	6/4/2010	Fe-59	6.30E+01	3.40E+01	1.10E+02
TV	ONS1-V	L16603-05	6/4/2010	I-131	-4.36E+00	8.40E-01	5.30E+01
TV	ONS1-V	L16603-05	6/4/2010	K-40	4.15E+03	3.20E+02	4.90E+02 *
TV	ONS1-V	L16603-05	6/4/2010	La-140	-1.42E+02	5.90E+01	2.90E+02
TV	ONS1-V	L16603-05	6/4/2010	Mn-54	-1.02E+01	9.80E+00	3.90E+01
TV	ONS1-V	L16603-05	6/4/2010	Nb-95	4.10E+01	1.70E+01	5.30E+01
TV	ONS1-V	L16603-05	6/4/2010	Ru-103	9.00E+00	1.50E+01	5.30E+01
TV	ONS1-V	L16603-05	6/4/2010	Ru-106	7.50E+01	8.30E+01	2.90E+02
TV	ONS1-V	L16603-05	6/4/2010	Sb-124	-1.60E+01	2.70E+01	1.10E+02
TV	ONS1-V	L16603-05	6/4/2010	Sb-125	-7.00E+00	2.30E+01	8.50E+01
TV	ONS1-V	L16603-05	6/4/2010	Se-75	7.00E+00	1.30E+01	4.30E+01
TV	ONS1-V	L16603-05	6/4/2010	Zn-65	-1.00E+01	2.60E+01	9.60E+01
TV	ONS1-V	L16603-05	6/4/2010	Zr-95	-3.30E+01	2.10E+01	8.80E+01
TV	ONS1-V	L16603-06	6/4/2010	AcTh-228	2.10E+01	3.50E+01	1.30E+02
TV	ONS1-V	L16603-06	6/4/2010	Ag-108m	-2.00E+00	1.00E+01	3.80E+01
TV	ONS1-V	L16603-06	6/4/2010	Ag-110m	-1.70E+01	1.80E+01	7.30E+01
TV	ONS1-V	L16603-06	6/4/2010	Ba-140	-2.60E+02	1.30E+02	5.70E+02

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TV	ONS1-V	L16603-06	6/4/2010	Be-7	3.80E+02	1.80E+02	5.80E+02
TV	ONS1-V	L16603-06	6/4/2010	Ce-141	-2.40E+01	2.50E+01	9.50E+01
TV	ONS1-V	L16603-06	6/4/2010	Ce-144	6.30E+01	5.40E+01	1.80E+02
TV	ONS1-V	L16603-06	6/4/2010	Co-57	-1.08E+01	6.20E+00	2.50E+01
TV	ONS1-V	L16603-06	6/4/2010	Co-58	-2.90E+01	1.60E+01	6.90E+01
TV	ONS1-V	L16603-06	6/4/2010	Co-60	-1.50E+01	1.10E+01	5.20E+01
TV	ONS1-V	L16603-06	6/4/2010	Cr-51	1.00E+02	2.00E+02	7.10E+02
TV	ONS1-V	L16603-06	6/4/2010	Cs-134	-1.80E+00	8.50E+00	4.30E+01
TV	ONS1-V	L16603-06	6/4/2010	Cs-137	1.10E+01	1.30E+01	4.60E+01
TV	ONS1-V	L16603-06	6/4/2010	Fe-59	1.00E+01	3.90E+01	1.50E+02
TV	ONS1-V	L16603-06	6/4/2010	I-131	-4.00E-01	9.00E+00	5.40E+01
TV	ONS1-V	L16603-06	6/4/2010	K-40	2.62E+03	3.30E+02	6.60E+02 *
TV	ONS1-V	L16603-06	6/4/2010	La-140	-2.60E+02	1.30E+02	5.70E+02
TV	ONS1-V	L16603-06	6/4/2010	Mn-54	5.00E+00	1.30E+01	4.70E+01
TV	ONS1-V	L16603-06	6/4/2010	Nb-95	-2.00E+00	2.20E+01	8.40E+01
TV	ONS1-V	L16603-06	6/4/2010	Ru-103	1.80E+01	2.00E+01	6.90E+01
TV	ONS1-V	L16603-06	6/4/2010	Ru-106	-9.80E+01	9.80E+01	4.00E+02
TV	ONS1-V	L16603-06	6/4/2010	Sb-124	-8.20E+01	3.30E+01	1.80E+02
TV	ONS1-V	L16603-06	6/4/2010	Sb-125	-2.00E+01	3.50E+01	1.30E+02
TV	ONS1-V	L16603-06	6/4/2010	Se-75	-2.00E+00	1.30E+01	4.70E+01
TV	ONS1-V	L16603-06	6/4/2010	Zn-65	-2.60E+01	2.70E+01	1.10E+02
TV	ONS1-V	L16603-06	6/4/2010	Zr-95	-5.00E+00	2.60E+01	1.00E+02
TV	OFS-V	L16603-07	6/4/2010	AcTh-228	-1.20E+01	3.50E+01	1.40E+02
TV	OFS-V	L16603-07	6/4/2010	Ag-108m	-7.70E+00	8.10E+00	3.10E+01
TV	OFS-V	L16603-07	6/4/2010	Ag-110m	-6.00E+00	1.30E+01	5.20E+01
TV	OFS-V	L16603-07	6/4/2010	Ba-140	3.20E+01	6.60E+01	2.60E+02
TV	OFS-V	L16603-07	6/4/2010	Be-7	5.60E+02	1.60E+02	4.80E+02 *
TV	OFS-V	L16603-07	6/4/2010	Ce-141	-1.30E+01	1.80E+01	6.80E+01
TV	OFS-V	L16603-07	6/4/2010	Ce-144	-4.70E+01	3.80E+01	1.50E+02
TV	OFS-V	L16603-07	6/4/2010	Co-57	-7.20E+00	5.00E+00	1.90E+01
TV	OFS-V	L16603-07	6/4/2010	Co-58	-7.00E+00	1.10E+01	4.50E+01
TV	OFS-V	L16603-07	6/4/2010	Co-60	-5.00E+00	1.10E+01	4.40E+01
TV	OFS-V	L16603-07	6/4/2010	Cr-51	-1.60E+02	1.40E+02	5.70E+02
TV	OFS-V	L16603-07	6/4/2010	Cs-134	-6.60E+00	7.60E+00	4.10E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TV	OFS-V	L16603-07	6/4/2010	Cs-137	1.81E+01	9.60E+00	3.00E+01
TV	OFS-V	L16603-07	6/4/2010	Fe-59	-4.10E+01	2.80E+01	1.20E+02
TV	OFS-V	L16603-07	6/4/2010	I-131	-9.60E+00	1.30E+00	5.60E+01
TV	OFS-V	L16603-07	6/4/2010	K-40	2.98E+03	3.00E+02	4.40E+02 *
TV	OFS-V	L16603-07	6/4/2010	La-140	3.20E+01	6.60E+01	2.60E+02
TV	OFS-V	L16603-07	6/4/2010	Mn-54	6.00E+00	1.10E+01	4.10E+01
TV	OFS-V	L16603-07	6/4/2010	Nb-95	0.00E+00	1.80E+01	6.70E+01
TV	OFS-V	L16603-07	6/4/2010	Ru-103	5.00E+00	1.90E+01	6.70E+01
TV	OFS-V	L16603-07	6/4/2010	Ru-106	-1.01E+02	9.00E+01	3.60E+02
TV	OFS-V	L16603-07	6/4/2010	Sb-124	5.00E+00	3.10E+01	1.20E+02
TV	OFS-V	L16603-07	6/4/2010	Sb-125	3.40E+01	2.50E+01	8.20E+01
TV	OFS-V	L16603-07	6/4/2010	Se-75	-1.60E+01	1.20E+01	4.70E+01
TV	OFS-V	L16603-07	6/4/2010	Zn-65	-7.00E+00	2.50E+01	9.60E+01
TV	OFS-V	L16603-07	6/4/2010	Zr-95	2.50E+01	2.00E+01	6.70E+01
TV	ONS3-V	256004001	7/6/2010	Ac-228	3.06E+01	1.30E+01	4.49E+01
TV	ONS3-V	256004001	7/6/2010	Ag-108m	8.21E-01	2.67E+00	8.64E+00
TV	ONS3-V	256004001	7/6/2010	Ag-110m	-2.49E+00	4.41E+00	1.39E+01
TV	ONS3-V	256004001	7/6/2010	Ba-140	-1.57E+01	1.47E+01	4.68E+01
TV	ONS3-V	256004001	7/6/2010	Be-7	1.06E+03	7.22E+01	8.13E+01 *
TV	ONS3-V	256004001	7/6/2010	Ce-141	1.04E+01	4.90E+00	1.71E+01
TV	ONS3-V	256004001	7/6/2010	Ce-144	-7.79E+00	1.88E+01	5.91E+01
TV	ONS3-V	256004001	7/6/2010	Co-57	-4.78E-01	2.46E+00	7.80E+00
TV	ONS3-V	256004001	7/6/2010	Co-58	-3.89E+00	3.33E+00	1.04E+01
TV	ONS3-V	256004001	7/6/2010	Co-60	-7.92E+00	3.59E+00	1.05E+01
TV	ONS3-V	256004001	7/6/2010	Cr-51	5.64E+00	2.66E+01	8.72E+01
TV	ONS3-V	256004001	7/6/2010	Cs-134	-8.66E-01	3.76E+00	1.22E+01
TV	ONS3-V	256004001	7/6/2010	Cs-137	5.80E+00	3.18E+00	1.11E+01
TV	ONS3-V	256004001	7/6/2010	Fe-59	3.32E+00	7.18E+00	2.43E+01
TV	ONS3-V	256004001	7/6/2010	I-131	4.59E+00	5.47E+00	1.81E+01
TV	ONS3-V	256004001	7/6/2010	K-40	4.31E+03	2.49E+02	1.15E+02 *
TV	ONS3-V	256004001	7/6/2010	La-140	3.17E+00	4.20E+00	1.43E+01
TV	ONS3-V	256004001	7/6/2010	Mn-54	-1.70E+00	3.12E+00	9.94E+00
TV	ONS3-V	256004001	7/6/2010	Nb-95	3.14E+00	3.08E+00	1.04E+01
TV	ONS3-V	256004001	7/6/2010	Ru-103	4.80E+00	2.91E+00	1.02E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TYPE	STATION	LSN	DATE				
TV	ONS3-V	256004001	7/6/2010	Ru-106	-3.97E+01	2.78E+01	8.80E+01
TV	ONS3-V	256004001	7/6/2010	Sb-124	4.11E+00	6.31E+00	2.20E+01
TV	ONS3-V	256004001	7/6/2010	Sb-125	-3.88E+00	7.88E+00	2.49E+01
TV	ONS3-V	256004001	7/6/2010	Se-75	8.04E-01	4.03E+00	1.34E+01
TV	ONS3-V	256004001	7/6/2010	Th-228	5.91E+00	7.54E+00	1.91E+01
TV	ONS3-V	256004001	7/6/2010	Zn-65	-1.66E+01	7.79E+00	2.38E+01
TV	ONS3-V	256004001	7/6/2010	Zr-95	-1.47E-01	5.60E+00	1.83E+01
TV	ONS3-V	256004002	7/6/2010	Ac-228	2.12E+01	2.00E+01	5.00E+01
TV	ONS3-V	256004002	7/6/2010	Ag-108m	-6.36E-03	2.75E+00	8.87E+00
TV	ONS3-V	256004002	7/6/2010	Ag-110m	-1.49E-01	4.75E+00	1.54E+01
TV	ONS3-V	256004002	7/6/2010	Ba-140	-1.73E+01	1.57E+01	5.02E+01
TV	ONS3-V	256004002	7/6/2010	Be-7	1.44E+03	9.17E+01	9.56E+01 *
TV	ONS3-V	256004002	7/6/2010	Ce-141	5.67E+00	4.75E+00	1.55E+01
TV	ONS3-V	256004002	7/6/2010	Ce-144	-1.32E+00	1.74E+01	5.59E+01
TV	ONS3-V	256004002	7/6/2010	Co-57	2.14E+00	2.33E+00	7.64E+00
TV	ONS3-V	256004002	7/6/2010	Co-58	-5.45E+00	3.32E+00	1.01E+01
TV	ONS3-V	256004002	7/6/2010	Co-60	-1.15E+00	3.79E+00	1.23E+01
TV	ONS3-V	256004002	7/6/2010	Cr-51	2.24E+01	2.87E+01	9.60E+01
TV	ONS3-V	256004002	7/6/2010	Cs-134	1.64E+00	4.16E+00	1.38E+01
TV	ONS3-V	256004002	7/6/2010	Cs-137	7.37E+00	5.21E+00	1.34E+01
TV	ONS3-V	256004002	7/6/2010	Fe-59	-2.05E+00	7.53E+00	2.49E+01
TV	ONS3-V	256004002	7/6/2010	I-131	2.93E+00	5.43E+00	1.80E+01
TV	ONS3-V	256004002	7/6/2010	K-40	4.17E+03	2.42E+02	1.18E+02 *
TV	ONS3-V	256004002	7/6/2010	La-140	6.51E+00	4.57E+00	1.62E+01
TV	ONS3-V	256004002	7/6/2010	Mn-54	-1.54E+00	3.17E+00	1.01E+01
TV	ONS3-V	256004002	7/6/2010	Nb-95	6.76E+00	3.38E+00	1.18E+01
TV	ONS3-V	256004002	7/6/2010	Ru-103	-2.69E+00	3.25E+00	1.07E+01
TV	ONS3-V	256004002	7/6/2010	Ru-106	-8.58E+00	2.89E+01	9.52E+01
TV	ONS3-V	256004002	7/6/2010	Sb-124	-4.63E+00	7.97E+00	2.58E+01
TV	ONS3-V	256004002	7/6/2010	Sb-125	1.27E+00	8.48E+00	2.75E+01
TV	ONS3-V	256004002	7/6/2010	Se-75	-3.14E-01	3.88E+00	1.29E+01
TV	ONS3-V	256004002	7/6/2010	Th-228	7.31E+00	7.29E+00	2.04E+01
TV	ONS3-V	256004002	7/6/2010	Zn-65	-7.33E+00	8.10E+00	2.61E+01
TV	ONS3-V	256004002	7/6/2010	Zr-95	1.25E+01	5.73E+00	2.02E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE		CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
			DATE	NUCLIDE			
TV	ONS3-V	256004003	7/6/2010	Ac-228	1.26E+01	1.79E+01	4.53E+01
TV	ONS3-V	256004003	7/6/2010	Ag-108m	-1.32E+00	2.38E+00	7.58E+00
TV	ONS3-V	256004003	7/6/2010	Ag-110m	-1.69E+00	3.67E+00	1.18E+01
TV	ONS3-V	256004003	7/6/2010	Ba-140	2.96E+01	2.17E+01	7.35E+01
TV	ONS3-V	256004003	7/6/2010	Be-7	8.22E+02	6.59E+01	8.70E+01 *
TV	ONS3-V	256004003	7/6/2010	Ce-141	-1.68E+00	5.07E+00	1.71E+01
TV	ONS3-V	256004003	7/6/2010	Ce-144	2.35E+01	1.67E+01	5.37E+01
TV	ONS3-V	256004003	7/6/2010	Co-57	1.46E+00	2.13E+00	6.84E+00
TV	ONS3-V	256004003	7/6/2010	Co-58	2.42E-01	3.95E+00	9.84E+00
TV	ONS3-V	256004003	7/6/2010	Co-60	-5.23E-01	3.02E+00	1.00E+01
TV	ONS3-V	256004003	7/6/2010	Cr-51	-5.47E+01	3.23E+01	1.03E+02
TV	ONS3-V	256004003	7/6/2010	Cs-134	1.07E+00	3.42E+00	1.14E+01
TV	ONS3-V	256004003	7/6/2010	Cs-137	9.46E+00	4.93E+00	9.22E+00
TV	ONS3-V	256004003	7/6/2010	Fe-59	1.68E+00	7.14E+00	2.32E+01
TV	ONS3-V	256004003	7/6/2010	I-131	-2.01E+01	1.05E+01	3.28E+01
TV	ONS3-V	256004003	7/6/2010	K-40	2.35E+03	1.50E+02	8.12E+01 *
TV	ONS3-V	256004003	7/6/2010	La-140	-1.88E+01	7.70E+00	2.21E+01
TV	ONS3-V	256004003	7/6/2010	Mn-54	-8.39E+00	2.71E+00	7.91E+00
TV	ONS3-V	256004003	7/6/2010	Nb-95	-1.02E+01	4.41E+00	1.01E+01
TV	ONS3-V	256004003	7/6/2010	Ru-103	-8.94E+00	3.43E+00	1.01E+01
TV	ONS3-V	256004003	7/6/2010	Ru-106	-1.93E+01	2.31E+01	7.58E+01
TV	ONS3-V	256004003	7/6/2010	Sb-124	8.24E+00	6.42E+00	2.26E+01
TV	ONS3-V	256004003	7/6/2010	Sb-125	-2.53E+00	7.22E+00	2.31E+01
TV	ONS3-V	256004003	7/6/2010	Se-75	5.28E+00	3.80E+00	1.24E+01
TV	ONS3-V	256004003	7/6/2010	Th-228	-8.89E-01	7.77E+00	1.76E+01
TV	ONS3-V	256004003	7/6/2010	Zn-65	-1.15E+01	6.81E+00	2.06E+01
TV	ONS3-V	256004003	7/6/2010	Zr-95	-2.73E-01	5.12E+00	1.69E+01
TV	ONS1-V	256004004	7/6/2010	Ac-228	-1.68E+01	1.45E+01	3.49E+01
TV	ONS1-V	256004004	7/6/2010	Ag-108m	1.70E+00	2.04E+00	6.87E+00
TV	ONS1-V	256004004	7/6/2010	Ag-110m	-5.32E+00	3.63E+00	1.11E+01
TV	ONS1-V	256004004	7/6/2010	Ba-140	-8.93E+00	1.28E+01	4.02E+01
TV	ONS1-V	256004004	7/6/2010	Be-7	1.20E+03	7.77E+01	6.99E+01 *
TV	ONS1-V	256004004	7/6/2010	Ce-141	-5.51E+00	3.11E+00	1.00E+01
TV	ONS1-V	256004004	7/6/2010	Ce-144	-4.15E+00	1.05E+01	3.51E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TV	ONS1-V	256004004	7/6/2010	Co-57	5.54E-01	1.31E+00	4.45E+00
TV	ONS1-V	256004004	7/6/2010	Co-58	-5.21E-01	2.48E+00	8.08E+00
TV	ONS1-V	256004004	7/6/2010	Co-60	-8.77E-01	2.71E+00	8.73E+00
TV	ONS1-V	256004004	7/6/2010	Cr-51	1.94E+01	2.05E+01	7.05E+01
TV	ONS1-V	256004004	7/6/2010	Cs-134	4.46E+00	3.00E+00	1.04E+01
TV	ONS1-V	256004004	7/6/2010	Cs-137	6.65E+00	5.21E+00	1.53E+01
TV	ONS1-V	256004004	7/6/2010	Fe-59	-9.74E+00	7.37E+00	1.99E+01
TV	ONS1-V	256004004	7/6/2010	I-131	-8.04E+00	4.02E+00	1.27E+01
TV	ONS1-V	256004004	7/6/2010	K-40	2.67E+03	1.60E+02	7.71E+01 *
TV	ONS1-V	256004004	7/6/2010	La-140	9.33E+00	4.14E+00	1.55E+01
TV	ONS1-V	256004004	7/6/2010	Mn-54	-6.93E+00	2.50E+00	7.15E+00
TV	ONS1-V	256004004	7/6/2010	Nb-95	3.29E+00	2.60E+00	8.98E+00
TV	ONS1-V	256004004	7/6/2010	Ru-103	-1.11E+00	2.46E+00	7.88E+00
TV	ONS1-V	256004004	7/6/2010	Ru-106	-1.36E+01	2.17E+01	7.16E+01
TV	ONS1-V	256004004	7/6/2010	Sb-124	-6.38E+00	5.65E+00	1.73E+01
TV	ONS1-V	256004004	7/6/2010	Sb-125	9.68E-01	6.23E+00	2.06E+01
TV	ONS1-V	256004004	7/6/2010	Se-75	-1.13E+00	2.90E+00	9.16E+00
TV	ONS1-V	256004004	7/6/2010	Th-228	-7.39E+00	5.87E+00	1.46E+01
TV	ONS1-V	256004004	7/6/2010	Zn-65	-1.84E+00	6.22E+00	2.05E+01
TV	ONS1-V	256004004	7/6/2010	Zr-95	7.60E+00	4.42E+00	1.55E+01
TV	ONS1-V	256004005	7/6/2010	Ac-228	-8.59E+00	1.84E+01	4.92E+01
TV	ONS1-V	256004005	7/6/2010	Ag-108m	-2.24E+00	2.79E+00	8.76E+00
TV	ONS1-V	256004005	7/6/2010	Ag-110m	1.84E+00	4.22E+00	1.39E+01
TV	ONS1-V	256004005	7/6/2010	Ba-140	2.00E+01	1.54E+01	5.25E+01
TV	ONS1-V	256004005	7/6/2010	Be-7	6.02E+02	6.46E+01	7.77E+01 *
TV	ONS1-V	256004005	7/6/2010	Ce-141	7.44E+00	4.71E+00	1.55E+01
TV	ONS1-V	256004005	7/6/2010	Ce-144	-1.83E+00	1.77E+01	5.67E+01
TV	ONS1-V	256004005	7/6/2010	Co-57	2.08E+00	2.23E+00	7.32E+00
TV	ONS1-V	256004005	7/6/2010	Co-58	-1.63E+00	3.00E+00	9.53E+00
TV	ONS1-V	256004005	7/6/2010	Co-60	-1.26E+00	3.12E+00	9.94E+00
TV	ONS1-V	256004005	7/6/2010	Cr-51	-1.23E+01	2.68E+01	8.70E+01
TV	ONS1-V	256004005	7/6/2010	Cs-134	3.37E+00	4.24E+00	1.42E+01
TV	ONS1-V	256004005	7/6/2010	Cs-137	-3.32E+00	2.99E+00	9.45E+00
TV	ONS1-V	256004005	7/6/2010	Fe-59	-3.74E+00	7.14E+00	2.32E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TYPE	STATION	LSN	DATE				
TV	ONS1-V	256004005	7/6/2010	I-131	1.30E+00	5.62E+00	1.84E+01
TV	ONS1-V	256004005	7/6/2010	K-40	2.97E+03	1.84E+02	1.07E+02 *
TV	ONS1-V	256004005	7/6/2010	La-140	7.27E+00	5.19E+00	1.87E+01
TV	ONS1-V	256004005	7/6/2010	Mn-54	-9.00E+00	3.34E+00	9.56E+00
TV	ONS1-V	256004005	7/6/2010	Nb-95	-3.64E-01	3.10E+00	1.01E+01
TV	ONS1-V	256004005	7/6/2010	Ru-103	5.32E+00	2.80E+00	9.89E+00
TV	ONS1-V	256004005	7/6/2010	Ru-106	3.33E+01	2.80E+01	9.65E+01
TV	ONS1-V	256004005	7/6/2010	Sb-124	9.59E+00	7.30E+00	2.62E+01
TV	ONS1-V	256004005	7/6/2010	Sb-125	-7.24E+00	8.53E+00	2.68E+01
TV	ONS1-V	256004005	7/6/2010	Se-75	-8.40E-01	3.90E+00	1.29E+01
TV	ONS1-V	256004005	7/6/2010	Th-228	-1.41E+01	7.03E+00	1.88E+01
TV	ONS1-V	256004005	7/6/2010	Zn-65	6.95E-01	7.06E+00	2.35E+01
TV	ONS1-V	256004005	7/6/2010	Zr-95	-4.84E+00	5.74E+00	1.81E+01
TV	ONS1-V	256004006	7/6/2010	Ac-228	-1.06E+01	1.19E+01	3.12E+01
TV	ONS1-V	256004006	7/6/2010	Ag-108m	-1.81E+00	1.72E+00	5.41E+00
TV	ONS1-V	256004006	7/6/2010	Ag-110m	-3.45E+00	2.97E+00	9.27E+00
TV	ONS1-V	256004006	7/6/2010	Ba-140	-3.44E+00	8.83E+00	2.94E+01
TV	ONS1-V	256004006	7/6/2010	Be-7	1.13E+03	6.53E+01	5.53E+01 *
TV	ONS1-V	256004006	7/6/2010	Ce-141	-9.72E-01	2.84E+00	9.01E+00
TV	ONS1-V	256004006	7/6/2010	Ce-144	-1.55E+01	1.02E+01	3.16E+01
TV	ONS1-V	256004006	7/6/2010	Co-57	7.10E-01	1.33E+00	4.31E+00
TV	ONS1-V	256004006	7/6/2010	Co-58	-1.34E+00	2.02E+00	6.46E+00
TV	ONS1-V	256004006	7/6/2010	Co-60	7.37E-01	2.36E+00	7.90E+00
TV	ONS1-V	256004006	7/6/2010	Cr-51	2.69E+01	1.71E+01	5.82E+01
TV	ONS1-V	256004006	7/6/2010	Cs-134	-1.81E+00	2.48E+00	7.93E+00
TV	ONS1-V	256004006	7/6/2010	Cs-137	1.76E+00	2.08E+00	7.08E+00
TV	ONS1-V	256004006	7/6/2010	Fe-59	-9.29E-01	5.00E+00	1.67E+01
TV	ONS1-V	256004006	7/6/2010	I-131	3.77E-01	3.18E+00	1.04E+01
TV	ONS1-V	256004006	7/6/2010	K-40	5.94E+03	2.83E+02	6.23E+01 *
TV	ONS1-V	256004006	7/6/2010	La-140	-1.34E-01	2.62E+00	8.50E+00
TV	ONS1-V	256004006	7/6/2010	Mn-54	7.67E-01	2.04E+00	6.74E+00
TV	ONS1-V	256004006	7/6/2010	Nb-95	-7.78E-01	2.05E+00	6.67E+00
TV	ONS1-V	256004006	7/6/2010	Ru-103	-4.80E-01	1.96E+00	6.22E+00
TV	ONS1-V	256004006	7/6/2010	Ru-106	-2.14E+00	1.72E+01	5.73E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE		CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
			DATE	NUCLIDE			
TV	ONS1-V	256004006	7/6/2010	Sb-124	2.60E+00	4.25E+00	1.43E+01
TV	ONS1-V	256004006	7/6/2010	Sb-125	-7.63E+00	4.87E+00	1.50E+01
TV	ONS1-V	256004006	7/6/2010	Se-75	5.20E+00	2.36E+00	8.17E+00
TV	ONS1-V	256004006	7/6/2010	Th-228	-8.20E+00	4.69E+00	1.21E+01
TV	ONS1-V	256004006	7/6/2010	Zn-65	7.89E+00	5.48E+00	1.90E+01
TV	ONS1-V	256004006	7/6/2010	Zr-95	-3.96E+00	3.78E+00	1.20E+01
TV	OFS-V	256004007	7/6/2010	Ac-228	7.86E+00	1.19E+01	3.13E+01
TV	OFS-V	256004007	7/6/2010	Ag-108m	-3.46E+00	1.65E+00	5.19E+00
TV	OFS-V	256004007	7/6/2010	Ag-110m	5.37E+00	3.04E+00	1.08E+01
TV	OFS-V	256004007	7/6/2010	Ba-140	-1.39E+00	9.28E+00	3.06E+01
TV	OFS-V	256004007	7/6/2010	Be-7	1.10E+03	6.84E+01	5.42E+01 *
TV	OFS-V	256004007	7/6/2010	Ce-141	1.68E-01	2.82E+00	9.53E+00
TV	OFS-V	256004007	7/6/2010	Ce-144	-1.41E+01	1.03E+01	3.37E+01
TV	OFS-V	256004007	7/6/2010	Co-57	-1.76E-01	1.35E+00	4.58E+00
TV	OFS-V	256004007	7/6/2010	Co-58	-7.16E-01	2.07E+00	6.52E+00
TV	OFS-V	256004007	7/6/2010	Co-60	1.21E+00	2.27E+00	7.56E+00
TV	OFS-V	256004007	7/6/2010	Cr-51	1.86E+01	1.72E+01	5.65E+01
TV	OFS-V	256004007	7/6/2010	Cs-134	-3.22E+00	2.48E+00	7.51E+00
TV	OFS-V	256004007	7/6/2010	Cs-137	-2.41E-01	2.22E+00	7.22E+00
TV	OFS-V	256004007	7/6/2010	Fe-59	-4.55E+00	5.04E+00	1.61E+01
TV	OFS-V	256004007	7/6/2010	I-131	-1.04E+00	3.38E+00	1.06E+01
TV	OFS-V	256004007	7/6/2010	K-40	4.13E+03	2.05E+02	7.55E+01 *
TV	OFS-V	256004007	7/6/2010	La-140	-1.51E+00	3.18E+00	1.03E+01
TV	OFS-V	256004007	7/6/2010	Mn-54	2.11E-02	2.06E+00	6.96E+00
TV	OFS-V	256004007	7/6/2010	Nb-95	-2.20E+00	2.15E+00	6.64E+00
TV	OFS-V	256004007	7/6/2010	Ru-103	-3.04E+00	1.94E+00	6.11E+00
TV	OFS-V	256004007	7/6/2010	Ru-106	-2.64E+00	1.90E+01	6.20E+01
TV	OFS-V	256004007	7/6/2010	Sb-124	-5.62E-01	4.97E+00	1.64E+01
TV	OFS-V	256004007	7/6/2010	Sb-125	-4.37E+00	5.04E+00	1.66E+01
TV	OFS-V	256004007	7/6/2010	Se-75	1.87E+00	2.47E+00	8.17E+00
TV	OFS-V	256004007	7/6/2010	Th-228	-4.53E+00	4.34E+00	1.19E+01
TV	OFS-V	256004007	7/6/2010	Zn-65	3.87E+00	5.27E+00	1.78E+01
TV	OFS-V	256004007	7/6/2010	Zr-95	2.26E+00	4.02E+00	1.32E+01
TV	ONS3-V	258523001	8/10/2010	Ac-228	-6.34E+00	1.67E+01	4.57E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TV	ONS3-V	258523001	8/10/2010	Ag-108m	-1.64E+00	2.37E+00	7.58E+00
TV	ONS3-V	258523001	8/10/2010	Ag-110m	5.38E+00	3.92E+00	1.36E+01
TV	ONS3-V	258523001	8/10/2010	Ba-140	-1.81E+01	1.44E+01	4.32E+01
TV	ONS3-V	258523001	8/10/2010	Be-7	1.86E+03	1.09E+02	7.65E+01 *
TV	ONS3-V	258523001	8/10/2010	Ce-141	2.99E+00	4.41E+00	1.45E+01
TV	ONS3-V	258523001	8/10/2010	Ce-144	3.96E+00	1.58E+01	5.16E+01
TV	ONS3-V	258523001	8/10/2010	Co-57	6.19E-01	2.11E+00	6.92E+00
TV	ONS3-V	258523001	8/10/2010	Co-58	2.55E+00	3.02E+00	1.03E+01
TV	ONS3-V	258523001	8/10/2010	Co-60	1.78E-01	3.49E+00	1.16E+01
TV	ONS3-V	258523001	8/10/2010	Cr-51	2.92E+01	2.47E+01	8.46E+01
TV	ONS3-V	258523001	8/10/2010	Cs-134	2.96E+00	3.33E+00	1.14E+01
TV	ONS3-V	258523001	8/10/2010	Cs-137	-1.43E+00	4.57E+00	1.33E+01
TV	ONS3-V	258523001	8/10/2010	Fe-59	5.49E+00	6.91E+00	2.31E+01
TV	ONS3-V	258523001	8/10/2010	I-131	1.09E+01	4.70E+00	1.64E+01
TV	ONS3-V	258523001	8/10/2010	K-40	3.91E+03	2.24E+02	7.73E+01 *
TV	ONS3-V	258523001	8/10/2010	La-140	-3.82E+00	4.40E+00	1.35E+01
TV	ONS3-V	258523001	8/10/2010	Mn-54	2.80E+00	3.03E+00	1.03E+01
TV	ONS3-V	258523001	8/10/2010	Nb-95	-6.63E-01	3.08E+00	1.01E+01
TV	ONS3-V	258523001	8/10/2010	Ru-103	-1.95E+00	2.92E+00	9.22E+00
TV	ONS3-V	258523001	8/10/2010	Ru-106	-4.39E+01	2.65E+01	8.42E+01
TV	ONS3-V	258523001	8/10/2010	Sb-124	2.09E+00	6.41E+00	2.14E+01
TV	ONS3-V	258523001	8/10/2010	Sb-125	6.39E+00	7.61E+00	2.55E+01
TV	ONS3-V	258523001	8/10/2010	Se-75	1.55E+00	3.69E+00	1.25E+01
TV	ONS3-V	258523001	8/10/2010	Th-228	-4.29E-01	6.77E+00	1.83E+01
TV	ONS3-V	258523001	8/10/2010	Zn-65	-1.02E+01	7.68E+00	2.33E+01
TV	ONS3-V	258523001	8/10/2010	Zr-95	7.17E+00	5.12E+00	1.79E+01
TV	ONS3-V	258523002	8/10/2010	Ac-228	1.90E+01	1.75E+01	4.70E+01
TV	ONS3-V	258523002	8/10/2010	Ag-108m	1.76E+00	2.52E+00	8.27E+00
TV	ONS3-V	258523002	8/10/2010	Ag-110m	-2.79E+00	3.95E+00	1.23E+01
TV	ONS3-V	258523002	8/10/2010	Ba-140	5.52E+00	1.39E+01	4.70E+01
TV	ONS3-V	258523002	8/10/2010	Be-7	2.04E+03	1.20E+02	8.17E+01 *
TV	ONS3-V	258523002	8/10/2010	Ce-141	1.59E+00	4.49E+00	1.44E+01
TV	ONS3-V	258523002	8/10/2010	Ce-144	-5.44E+00	1.64E+01	5.24E+01
TV	ONS3-V	258523002	8/10/2010	Co-57	7.95E-01	2.20E+00	7.14E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE		CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
			DATE	NUCLIDE			
TV	ONS3-V	258523002	8/10/2010	Co-58	-3.35E+00	2.81E+00	8.64E+00
TV	ONS3-V	258523002	8/10/2010	Co-60	-1.95E+00	2.96E+00	9.30E+00
TV	ONS3-V	258523002	8/10/2010	Cr-51	1.14E+00	2.61E+01	8.59E+01
TV	ONS3-V	258523002	8/10/2010	Cs-134	3.61E+00	3.27E+00	1.12E+01
TV	ONS3-V	258523002	8/10/2010	Cs-137	4.98E+00	2.91E+00	1.02E+01
TV	ONS3-V	258523002	8/10/2010	Fe-59	7.21E+00	6.46E+00	2.24E+01
TV	ONS3-V	258523002	8/10/2010	I-131	4.22E+00	4.96E+00	1.65E+01
TV	ONS3-V	258523002	8/10/2010	K-40	1.44E+03	1.13E+02	9.59E+01 *
TV	ONS3-V	258523002	8/10/2010	La-140	-7.13E+00	4.37E+00	1.30E+01
TV	ONS3-V	258523002	8/10/2010	Mn-54	-3.38E+00	2.87E+00	8.81E+00
TV	ONS3-V	258523002	8/10/2010	Nb-95	6.06E+00	2.96E+00	1.04E+01
TV	ONS3-V	258523002	8/10/2010	Ru-103	1.71E+00	2.83E+00	9.71E+00
TV	ONS3-V	258523002	8/10/2010	Ru-106	1.80E+01	2.36E+01	8.05E+01
TV	ONS3-V	258523002	8/10/2010	Sb-124	-1.73E+01	7.03E+00	1.93E+01
TV	ONS3-V	258523002	8/10/2010	Sb-125	-5.51E+00	9.97E+00	2.47E+01
TV	ONS3-V	258523002	8/10/2010	Se-75	5.83E+00	3.72E+00	1.27E+01
TV	ONS3-V	258523002	8/10/2010	Th-228	-8.25E-01	8.22E+00	1.97E+01
TV	ONS3-V	258523002	8/10/2010	Zn-65	-5.66E+00	7.79E+00	2.12E+01
TV	ONS3-V	258523002	8/10/2010	Zr-95	1.09E+01	5.04E+00	1.78E+01
TV	ONS3-V	258523003	8/10/2010	Ac-228	-4.14E+01	1.64E+01	3.82E+01
TV	ONS3-V	258523003	8/10/2010	Ag-108m	-3.80E+00	2.58E+00	7.99E+00
TV	ONS3-V	258523003	8/10/2010	Ag-110m	-6.58E+00	3.91E+00	1.18E+01
TV	ONS3-V	258523003	8/10/2010	Ba-140	1.80E+01	1.29E+01	4.39E+01
TV	ONS3-V	258523003	8/10/2010	Be-7	2.66E+03	1.42E+02	7.73E+01 *
TV	ONS3-V	258523003	8/10/2010	Ce-141	5.38E+00	4.24E+00	1.39E+01
TV	ONS3-V	258523003	8/10/2010	Ce-144	-4.10E-01	1.49E+01	4.81E+01
TV	ONS3-V	258523003	8/10/2010	Co-57	2.32E-01	1.90E+00	6.15E+00
TV	ONS3-V	258523003	8/10/2010	Co-58	-5.06E+00	2.98E+00	9.12E+00
TV	ONS3-V	258523003	8/10/2010	Co-60	6.08E-01	3.30E+00	1.09E+01
TV	ONS3-V	258523003	8/10/2010	Cr-51	-4.44E+01	2.52E+01	7.97E+01
TV	ONS3-V	258523003	8/10/2010	Cs-134	-4.21E+00	4.21E+00	1.20E+01
TV	ONS3-V	258523003	8/10/2010	Cs-137	3.48E+00	3.08E+00	1.06E+01
TV	ONS3-V	258523003	8/10/2010	Fe-59	-6.98E+00	6.74E+00	2.17E+01
TV	ONS3-V	258523003	8/10/2010	I-131	4.42E+00	4.72E+00	1.58E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TV	ONS3-V	258523003	8/10/2010	K-40	5.85E+03	3.04E+02	9.17E+01	*
TV	ONS3-V	258523003	8/10/2010	La-140	3.86E+00	4.10E+00	1.41E+01	
TV	ONS3-V	258523003	8/10/2010	Mn-54	-2.56E-01	2.95E+00	9.60E+00	
TV	ONS3-V	258523003	8/10/2010	Nb-95	2.44E+00	3.05E+00	1.03E+01	
TV	ONS3-V	258523003	8/10/2010	Ru-103	4.79E-01	2.85E+00	9.19E+00	
TV	ONS3-V	258523003	8/10/2010	Ru-106	-1.27E+01	2.59E+01	8.51E+01	
TV	ONS3-V	258523003	8/10/2010	Sb-124	-4.33E+00	6.91E+00	2.23E+01	
TV	ONS3-V	258523003	8/10/2010	Sb-125	-1.01E+01	7.53E+00	2.34E+01	
TV	ONS3-V	258523003	8/10/2010	Se-75	-1.37E+00	3.54E+00	1.17E+01	
TV	ONS3-V	258523003	8/10/2010	Th-228	8.48E+00	6.95E+00	1.89E+01	
TV	ONS3-V	258523003	8/10/2010	Zn-65	-2.61E+00	7.65E+00	2.53E+01	
TV	ONS3-V	258523003	8/10/2010	Zr-95	5.47E+00	5.59E+00	1.89E+01	
TV	ONS1-V	258523004	8/10/2010	Ac-228	-2.98E+01	1.89E+01	4.15E+01	
TV	ONS1-V	258523004	8/10/2010	Ag-108m	3.77E+00	2.46E+00	8.24E+00	
TV	ONS1-V	258523004	8/10/2010	Ag-110m	2.83E+00	4.01E+00	1.33E+01	
TV	ONS1-V	258523004	8/10/2010	Ba-140	2.34E+00	1.34E+01	4.51E+01	
TV	ONS1-V	258523004	8/10/2010	Be-7	2.26E+03	1.26E+02	9.00E+01	*
TV	ONS1-V	258523004	8/10/2010	Ce-141	3.05E+00	4.81E+00	1.65E+01	
TV	ONS1-V	258523004	8/10/2010	Ce-144	-1.77E+01	1.90E+01	5.89E+01	
TV	ONS1-V	258523004	8/10/2010	Co-57	3.93E+00	2.54E+00	8.29E+00	
TV	ONS1-V	258523004	8/10/2010	Co-58	-5.42E+00	3.06E+00	9.20E+00	
TV	ONS1-V	258523004	8/10/2010	Co-60	-7.29E+00	3.60E+00	1.06E+01	
TV	ONS1-V	258523004	8/10/2010	Cr-51	-3.92E+01	2.90E+01	9.17E+01	
TV	ONS1-V	258523004	8/10/2010	Cs-134	6.46E+00	3.56E+00	1.24E+01	
TV	ONS1-V	258523004	8/10/2010	Cs-137	2.57E+00	3.14E+00	1.06E+01	
TV	ONS1-V	258523004	8/10/2010	Fe-59	-4.12E+00	6.78E+00	2.21E+01	
TV	ONS1-V	258523004	8/10/2010	I-131	-1.34E+00	5.22E+00	1.68E+01	
TV	ONS1-V	258523004	8/10/2010	K-40	2.80E+03	1.75E+02	9.78E+01	*
TV	ONS1-V	258523004	8/10/2010	La-140	2.65E-01	4.23E+00	1.37E+01	
TV	ONS1-V	258523004	8/10/2010	Mn-54	2.76E+00	2.87E+00	9.67E+00	
TV	ONS1-V	258523004	8/10/2010	Nb-95	-5.40E+00	3.89E+00	1.01E+01	
TV	ONS1-V	258523004	8/10/2010	Ru-103	3.11E+00	2.86E+00	9.87E+00	
TV	ONS1-V	258523004	8/10/2010	Ru-106	-3.04E+01	2.69E+01	8.60E+01	
TV	ONS1-V	258523004	8/10/2010	Sb-124	-6.56E+00	6.77E+00	2.13E+01	

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TV	ONS1-V	258523004	8/10/2010	Sb-125	2.51E+01	8.09E+00	2.80E+01	*
TV	ONS1-V	258523004	8/10/2010	Se-75	-4.55E+00	4.09E+00	1.32E+01	
TV	ONS1-V	258523004	8/10/2010	Th-228	-4.49E+00	7.30E+00	1.90E+01	
TV	ONS1-V	258523004	8/10/2010	Zn-65	-1.68E+01	7.31E+00	2.21E+01	
TV	ONS1-V	258523004	8/10/2010	Zr-95	1.00E+00	5.40E+00	1.78E+01	
TV	ONS1-V	258523005	8/10/2010	Ac-228	1.31E+01	1.52E+01	4.24E+01	
TV	ONS1-V	258523005	8/10/2010	Ag-108m	1.04E+00	2.29E+00	7.55E+00	
TV	ONS1-V	258523005	8/10/2010	Ag-110m	5.00E-01	3.49E+00	1.15E+01	
TV	ONS1-V	258523005	8/10/2010	Ba-140	2.81E+00	1.29E+01	4.16E+01	
TV	ONS1-V	258523005	8/10/2010	Be-7	1.07E+03	7.24E+01	7.88E+01	*
TV	ONS1-V	258523005	8/10/2010	Ce-141	-1.58E+00	4.90E+00	1.30E+01	
TV	ONS1-V	258523005	8/10/2010	Ce-144	1.14E+01	1.49E+01	4.90E+01	
TV	ONS1-V	258523005	8/10/2010	Co-57	1.40E+00	1.87E+00	6.17E+00	
TV	ONS1-V	258523005	8/10/2010	Co-58	-2.77E+00	2.61E+00	8.22E+00	
TV	ONS1-V	258523005	8/10/2010	Co-60	-2.97E+00	2.73E+00	8.51E+00	
TV	ONS1-V	258523005	8/10/2010	Cr-51	-2.02E+01	2.43E+01	7.92E+01	
TV	ONS1-V	258523005	8/10/2010	Cs-134	-1.77E+00	4.42E+00	1.10E+01	
TV	ONS1-V	258523005	8/10/2010	Cs-137	5.41E+00	2.86E+00	1.01E+01	
TV	ONS1-V	258523005	8/10/2010	Fe-59	-2.05E+01	7.85E+00	1.54E+01	
TV	ONS1-V	258523005	8/10/2010	I-131	5.10E+00	4.49E+00	1.52E+01	
TV	ONS1-V	258523005	8/10/2010	K-40	1.39E+03	1.09E+02	8.24E+01	*
TV	ONS1-V	258523005	8/10/2010	La-140	-2.47E+00	4.49E+00	1.42E+01	
TV	ONS1-V	258523005	8/10/2010	Mn-54	1.48E+00	2.71E+00	9.09E+00	
TV	ONS1-V	258523005	8/10/2010	Nb-95	4.31E+00	2.65E+00	9.28E+00	
TV	ONS1-V	258523005	8/10/2010	Ru-103	-2.12E+00	2.66E+00	8.34E+00	
TV	ONS1-V	258523005	8/10/2010	Ru-106	1.27E+01	2.23E+01	7.64E+01	
TV	ONS1-V	258523005	8/10/2010	Sb-124	-7.39E+00	6.14E+00	1.82E+01	
TV	ONS1-V	258523005	8/10/2010	Sb-125	-3.71E+00	6.95E+00	2.23E+01	
TV	ONS1-V	258523005	8/10/2010	Se-75	-5.38E+00	3.22E+00	1.04E+01	
TV	ONS1-V	258523005	8/10/2010	Th-228	-1.02E+01	6.10E+00	1.63E+01	
TV	ONS1-V	258523005	8/10/2010	Zn-65	-1.89E+01	6.99E+00	1.97E+01	
TV	ONS1-V	258523005	8/10/2010	Zr-95	3.03E+00	4.53E+00	1.54E+01	
TV	ONS1-V	258523006	8/10/2010	Ac-228	-7.50E+00	1.62E+01	4.47E+01	
TV	ONS1-V	258523006	8/10/2010	Ag-108m	8.33E-01	2.24E+00	7.61E+00	

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TV	ONS1-V	258523006	8/10/2010	Ag-110m	3.33E+00	3.70E+00	1.29E+01
TV	ONS1-V	258523006	8/10/2010	Ba-140	2.02E+00	1.28E+01	4.27E+01
TV	ONS1-V	258523006	8/10/2010	Be-7	2.34E+03	1.29E+02	7.26E+01 *
TV	ONS1-V	258523006	8/10/2010	Ce-141	-1.57E+00	3.85E+00	1.29E+01
TV	ONS1-V	258523006	8/10/2010	Ce-144	1.20E+01	1.44E+01	4.93E+01
TV	ONS1-V	258523006	8/10/2010	Co-57	-1.16E+00	1.90E+00	6.38E+00
TV	ONS1-V	258523006	8/10/2010	Co-58	2.11E+00	2.89E+00	9.53E+00
TV	ONS1-V	258523006	8/10/2010	Co-60	-1.37E+00	3.09E+00	9.78E+00
TV	ONS1-V	258523006	8/10/2010	Cr-51	-6.52E+01	2.42E+01	7.06E+01
TV	ONS1-V	258523006	8/10/2010	Cs-134	6.92E+00	3.39E+00	1.18E+01
TV	ONS1-V	258523006	8/10/2010	Cs-137	1.03E+01	2.99E+00	1.08E+01 *
TV	ONS1-V	258523006	8/10/2010	Fe-59	6.58E+00	5.54E+00	1.93E+01
TV	ONS1-V	258523006	8/10/2010	I-131	6.43E+00	4.78E+00	1.57E+01
TV	ONS1-V	258523006	8/10/2010	K-40	2.53E+03	1.58E+02	9.26E+01 *
TV	ONS1-V	258523006	8/10/2010	La-140	1.62E+00	4.13E+00	1.41E+01
TV	ONS1-V	258523006	8/10/2010	Mn-54	1.21E+00	2.78E+00	9.52E+00
TV	ONS1-V	258523006	8/10/2010	Nb-95	-3.16E+00	2.86E+00	8.78E+00
TV	ONS1-V	258523006	8/10/2010	Ru-103	1.04E+00	2.59E+00	8.74E+00
TV	ONS1-V	258523006	8/10/2010	Ru-106	-1.99E+01	2.47E+01	7.84E+01
TV	ONS1-V	258523006	8/10/2010	Sb-124	2.89E+00	5.15E+00	1.79E+01
TV	ONS1-V	258523006	8/10/2010	Sb-125	1.19E+01	6.58E+00	2.33E+01
TV	ONS1-V	258523006	8/10/2010	Se-75	1.21E+00	3.41E+00	1.12E+01
TV	ONS1-V	258523006	8/10/2010	Th-228	3.38E+00	6.65E+00	1.75E+01
TV	ONS1-V	258523006	8/10/2010	Zn-65	7.15E+00	6.71E+00	2.30E+01
TV	ONS1-V	258523006	8/10/2010	Zr-95	4.81E+00	4.88E+00	1.64E+01
TV	OFS-V	258523007	8/10/2010	Ac-228	-1.60E+00	1.37E+01	3.23E+01
TV	OFS-V	258523007	8/10/2010	Ag-108m	-1.09E+00	1.91E+00	6.06E+00
TV	OFS-V	258523007	8/10/2010	Ag-110m	9.17E-01	3.17E+00	1.04E+01
TV	OFS-V	258523007	8/10/2010	Ba-140	1.17E+01	1.04E+01	3.55E+01
TV	OFS-V	258523007	8/10/2010	Be-7	1.45E+03	8.36E+01	6.00E+01 *
TV	OFS-V	258523007	8/10/2010	Ce-141	4.27E+00	3.37E+00	1.10E+01
TV	OFS-V	258523007	8/10/2010	Ce-144	-1.28E+01	1.22E+01	3.81E+01
TV	OFS-V	258523007	8/10/2010	Co-57	-2.27E+00	1.59E+00	4.95E+00
TV	OFS-V	258523007	8/10/2010	Co-58	-2.55E+00	2.23E+00	6.95E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TV	OFS-V	258523007	8/10/2010	Co-60	-1.18E+00	2.42E+00	7.75E+00
TV	OFS-V	258523007	8/10/2010	Cr-51	-4.91E+00	2.06E+01	6.74E+01
TV	OFS-V	258523007	8/10/2010	Cs-134	-3.39E-02	2.75E+00	8.97E+00
TV	OFS-V	258523007	8/10/2010	Cs-137	2.83E+00	3.50E+00	9.14E+00
TV	OFS-V	258523007	8/10/2010	Fe-59	7.26E+00	4.94E+00	1.74E+01
TV	OFS-V	258523007	8/10/2010	I-131	9.52E+00	3.57E+00	1.24E+01
TV	OFS-V	258523007	8/10/2010	K-40	1.68E+03	1.11E+02	5.89E+01 *
TV	OFS-V	258523007	8/10/2010	La-140	-2.52E+00	3.70E+00	1.15E+01
TV	OFS-V	258523007	8/10/2010	Mn-54	-2.41E+00	2.23E+00	6.93E+00
TV	OFS-V	258523007	8/10/2010	Nb-95	1.56E+00	2.42E+00	8.09E+00
TV	OFS-V	258523007	8/10/2010	Ru-103	-8.36E-02	2.09E+00	7.06E+00
TV	OFS-V	258523007	8/10/2010	Ru-106	-1.27E+01	2.09E+01	6.83E+01
TV	OFS-V	258523007	8/10/2010	Sb-124	-1.67E+01	8.79E+00	1.75E+01
TV	OFS-V	258523007	8/10/2010	Sb-125	-9.08E+00	5.68E+00	1.74E+01
TV	OFS-V	258523007	8/10/2010	Se-75	-2.96E-01	2.66E+00	8.82E+00
TV	OFS-V	258523007	8/10/2010	Th-228	1.48E+01	7.78E+00	1.37E+01
TV	OFS-V	258523007	8/10/2010	Zn-65	-3.64E+00	4.97E+00	1.60E+01
TV	OFS-V	258523007	8/10/2010	Zr-95	2.62E+00	4.05E+00	1.36E+01
TV	ONS3-V	260780001	9/13/2010	Ac-228	-1.53E+00	1.70E+01	4.27E+01
TV	ONS3-V	260780001	9/13/2010	Ag-108m	-7.02E-01	2.36E+00	7.61E+00
TV	ONS3-V	260780001	9/13/2010	Ag-110m	-1.89E+00	3.75E+00	1.19E+01
TV	ONS3-V	260780001	9/13/2010	Ba-140	-8.49E+00	1.24E+01	4.08E+01
TV	ONS3-V	260780001	9/13/2010	Be-7	2.17E+03	1.17E+02	7.63E+01 *
TV	ONS3-V	260780001	9/13/2010	Ce-141	9.90E-01	4.37E+00	1.44E+01
TV	ONS3-V	260780001	9/13/2010	Ce-144	-1.71E+01	1.55E+01	4.99E+01
TV	ONS3-V	260780001	9/13/2010	Co-57	-1.58E-01	2.02E+00	6.67E+00
TV	ONS3-V	260780001	9/13/2010	Co-58	-1.32E+00	2.72E+00	8.72E+00
TV	ONS3-V	260780001	9/13/2010	Co-60	1.49E+00	2.87E+00	9.62E+00
TV	ONS3-V	260780001	9/13/2010	Cr-51	-3.09E+01	2.49E+01	8.05E+01
TV	ONS3-V	260780001	9/13/2010	Cs-134	1.06E-01	3.27E+00	1.07E+01
TV	ONS3-V	260780001	9/13/2010	Cs-137	3.28E+00	2.90E+00	9.95E+00
TV	ONS3-V	260780001	9/13/2010	Fe-59	5.21E+00	6.26E+00	2.14E+01
TV	ONS3-V	260780001	9/13/2010	I-131	3.21E+00	4.82E+00	1.62E+01
TV	ONS3-V	260780001	9/13/2010	K-40	1.48E+03	1.19E+02	9.05E+01 *

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TV	ONS3-V	260780001	9/13/2010	La-140	3.16E+00	4.49E+00	1.55E+01
TV	ONS3-V	260780001	9/13/2010	Mn-54	-2.50E+00	2.67E+00	8.38E+00
TV	ONS3-V	260780001	9/13/2010	Nb-95	7.34E+00	2.98E+00	1.05E+01
TV	ONS3-V	260780001	9/13/2010	Ru-103	2.90E+00	2.81E+00	9.29E+00
TV	ONS3-V	260780001	9/13/2010	Ru-106	1.01E+01	2.41E+01	8.15E+01
TV	ONS3-V	260780001	9/13/2010	Sb-124	-7.20E+00	6.00E+00	1.83E+01
TV	ONS3-V	260780001	9/13/2010	Sb-125	2.25E+00	7.30E+00	2.40E+01
TV	ONS3-V	260780001	9/13/2010	Se-75	6.19E-01	3.47E+00	1.18E+01
TV	ONS3-V	260780001	9/13/2010	Th-228	5.85E+00	6.22E+00	1.71E+01
TV	ONS3-V	260780001	9/13/2010	Zn-65	-1.35E+01	6.87E+00	2.11E+01
TV	ONS3-V	260780001	9/13/2010	Zr-95	-6.54E+00	5.11E+00	1.60E+01
TV	ONS3-V	260780002	9/13/2010	Ac-228	1.55E+01	1.94E+01	4.42E+01
TV	ONS3-V	260780002	9/13/2010	Ag-108m	-2.28E+00	2.17E+00	7.08E+00
TV	ONS3-V	260780002	9/13/2010	Ag-110m	2.62E+00	3.75E+00	1.25E+01
TV	ONS3-V	260780002	9/13/2010	Ba-140	-1.84E+01	1.07E+01	3.21E+01
TV	ONS3-V	260780002	9/13/2010	Be-7	7.15E+02	5.27E+01	6.89E+01 *
TV	ONS3-V	260780002	9/13/2010	Ce-141	4.27E-01	4.61E+00	1.23E+01
TV	ONS3-V	260780002	9/13/2010	Ce-144	9.86E+00	1.37E+01	4.59E+01
TV	ONS3-V	260780002	9/13/2010	Co-57	3.90E+00	1.85E+00	6.36E+00
TV	ONS3-V	260780002	9/13/2010	Co-58	-2.19E+00	2.67E+00	8.39E+00
TV	ONS3-V	260780002	9/13/2010	Co-60	3.14E+00	3.09E+00	1.07E+01
TV	ONS3-V	260780002	9/13/2010	Cr-51	-9.95E+00	2.10E+01	6.66E+01
TV	ONS3-V	260780002	9/13/2010	Cs-134	-2.94E+00	3.29E+00	1.03E+01
TV	ONS3-V	260780002	9/13/2010	Cs-137	3.30E+00	2.74E+00	9.39E+00
TV	ONS3-V	260780002	9/13/2010	Fe-59	-2.46E+00	5.13E+00	1.68E+01
TV	ONS3-V	260780002	9/13/2010	I-131	-3.72E+00	3.48E+00	1.08E+01
TV	ONS3-V	260780002	9/13/2010	K-40	1.43E+03	1.13E+02	9.19E+01 *
TV	ONS3-V	260780002	9/13/2010	La-140	-1.86E+00	3.51E+00	1.11E+01
TV	ONS3-V	260780002	9/13/2010	Mn-54	-6.56E+00	2.74E+00	8.00E+00
TV	ONS3-V	260780002	9/13/2010	Nb-95	3.03E+00	2.63E+00	8.93E+00
TV	ONS3-V	260780002	9/13/2010	Ru-103	7.27E-01	2.40E+00	8.08E+00
TV	ONS3-V	260780002	9/13/2010	Ru-106	-3.22E+01	2.33E+01	7.32E+01
TV	ONS3-V	260780002	9/13/2010	Sb-124	1.25E+01	6.09E+00	2.23E+01
TV	ONS3-V	260780002	9/13/2010	Sb-125	2.01E+00	6.69E+00	2.27E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TYPE	STATION	LSN	DATE				
TV	ONS3-V	260780002	9/13/2010	Se-75	2.13E+00	3.13E+00	1.03E+01
TV	ONS3-V	260780002	9/13/2010	Th-228	2.84E+00	6.12E+00	1.60E+01
TV	ONS3-V	260780002	9/13/2010	Zn-65	-3.80E+00	6.28E+00	2.05E+01
TV	ONS3-V	260780002	9/13/2010	Zr-95	-1.02E+01	4.90E+00	1.47E+01
TV	ONS3-V	260780003	9/13/2010	Ac-228	1.07E+02	2.51E+01	6.34E+01 *
TV	ONS3-V	260780003	9/13/2010	Ag-108m	-3.52E+00	2.58E+00	8.18E+00
TV	ONS3-V	260780003	9/13/2010	Ag-110m	5.38E+00	4.56E+00	1.57E+01
TV	ONS3-V	260780003	9/13/2010	Ba-140	-2.15E+01	1.35E+01	3.98E+01
TV	ONS3-V	260780003	9/13/2010	Be-7	2.93E+03	1.57E+02	8.57E+01 *
TV	ONS3-V	260780003	9/13/2010	Ce-141	2.50E+00	3.77E+00	1.27E+01
TV	ONS3-V	260780003	9/13/2010	Ce-144	1.42E+01	1.40E+01	4.79E+01
TV	ONS3-V	260780003	9/13/2010	Co-57	-2.12E-01	1.67E+00	5.62E+00
TV	ONS3-V	260780003	9/13/2010	Co-58	-1.25E+00	3.07E+00	1.00E+01
TV	ONS3-V	260780003	9/13/2010	Co-60	-8.17E-01	3.72E+00	1.22E+01
TV	ONS3-V	260780003	9/13/2010	Cr-51	2.61E+01	2.32E+01	8.04E+01
TV	ONS3-V	260780003	9/13/2010	Cs-134	-5.50E+00	4.84E+00	1.37E+01
TV	ONS3-V	260780003	9/13/2010	Cs-137	1.29E+01	7.45E+00	1.02E+01
TV	ONS3-V	260780003	9/13/2010	Fe-59	5.53E+00	6.65E+00	2.23E+01
TV	ONS3-V	260780003	9/13/2010	I-131	-2.06E+00	3.55E+00	1.17E+01
TV	ONS3-V	260780003	9/13/2010	K-40	1.45E+03	1.17E+02	1.02E+02 *
TV	ONS3-V	260780003	9/13/2010	La-140	-3.85E+00	4.64E+00	1.43E+01
TV	ONS3-V	260780003	9/13/2010	Mn-54	-2.02E+00	3.16E+00	1.02E+01
TV	ONS3-V	260780003	9/13/2010	Nb-95	-3.83E+00	3.25E+00	1.04E+01
TV	ONS3-V	260780003	9/13/2010	Pb-210	6.26E+02	1.03E+02	1.35E+02 *
TV	ONS3-V	260780003	9/13/2010	Ru-103	2.76E+00	2.73E+00	9.21E+00
TV	ONS3-V	260780003	9/13/2010	Ru-106	2.49E+01	2.78E+01	9.22E+01
TV	ONS3-V	260780003	9/13/2010	Sb-124	1.60E+01	6.68E+00	2.53E+01
TV	ONS3-V	260780003	9/13/2010	Sb-125	-1.50E+01	7.73E+00	2.41E+01
TV	ONS3-V	260780003	9/13/2010	Se-75	2.44E+00	3.62E+00	1.18E+01
TV	ONS3-V	260780003	9/13/2010	Th-228	2.70E+01	1.09E+01	1.97E+01
TV	ONS3-V	260780003	9/13/2010	Zn-65	-1.09E+01	7.27E+00	2.16E+01
TV	ONS3-V	260780003	9/13/2010	Zr-95	-1.30E+00	5.50E+00	1.82E+01
TV	ONS1-V	260780004	9/13/2010	Ac-228	-5.50E+00	1.79E+01	4.66E+01
TV	ONS1-V	260780004	9/13/2010	Ag-108m	-5.43E-01	2.81E+00	9.11E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TV	ONS1-V	260780004	9/13/2010	Ag-110m	-3.81E+00	4.08E+00	1.27E+01
TV	ONS1-V	260780004	9/13/2010	Ba-140	-1.26E+01	1.34E+01	4.09E+01
TV	ONS1-V	260780004	9/13/2010	Be-7	1.14E+03	7.95E+01	7.46E+01 *
TV	ONS1-V	260780004	9/13/2010	Ce-141	3.12E+00	4.39E+00	1.44E+01
TV	ONS1-V	260780004	9/13/2010	Ce-144	3.63E+01	1.78E+01	5.96E+01
TV	ONS1-V	260780004	9/13/2010	Co-57	2.45E+00	2.28E+00	7.62E+00
TV	ONS1-V	260780004	9/13/2010	Co-58	-2.37E+00	2.95E+00	9.37E+00
TV	ONS1-V	260780004	9/13/2010	Co-60	1.55E-01	3.57E+00	1.19E+01
TV	ONS1-V	260780004	9/13/2010	Cr-51	-4.13E+01	2.64E+01	8.41E+01
TV	ONS1-V	260780004	9/13/2010	Cs-134	1.49E+00	3.85E+00	1.29E+01
TV	ONS1-V	260780004	9/13/2010	Cs-137	1.24E+01	6.97E+00	1.11E+01
TV	ONS1-V	260780004	9/13/2010	Fe-59	8.59E-01	5.99E+00	1.95E+01
TV	ONS1-V	260780004	9/13/2010	I-131	-1.49E+00	3.89E+00	1.27E+01
TV	ONS1-V	260780004	9/13/2010	K-40	1.67E+03	1.29E+02	9.44E+01 *
TV	ONS1-V	260780004	9/13/2010	La-140	3.02E-01	4.30E+00	1.42E+01
TV	ONS1-V	260780004	9/13/2010	Mn-54	-1.74E-01	3.03E+00	9.95E+00
TV	ONS1-V	260780004	9/13/2010	Nb-95	6.22E-01	3.16E+00	1.06E+01
TV	ONS1-V	260780004	9/13/2010	Ru-103	5.81E-02	2.98E+00	9.64E+00
TV	ONS1-V	260780004	9/13/2010	Ru-106	-2.40E+01	2.80E+01	9.14E+01
TV	ONS1-V	260780004	9/13/2010	Sb-124	9.82E+00	7.60E+00	2.70E+01
TV	ONS1-V	260780004	9/13/2010	Sb-125	-9.41E+00	8.30E+00	2.61E+01
TV	ONS1-V	260780004	9/13/2010	Se-75	-1.19E+00	3.86E+00	1.29E+01
TV	ONS1-V	260780004	9/13/2010	Th-228	-7.38E+00	7.39E+00	1.99E+01
TV	ONS1-V	260780004	9/13/2010	Zn-65	-1.46E+01	7.80E+00	2.26E+01
TV	ONS1-V	260780004	9/13/2010	Zr-95	1.97E+00	4.99E+00	1.69E+01
TV	ONS1-V	260780005	9/13/2010	Ac-228	-1.23E+01	1.89E+01	5.19E+01
TV	ONS1-V	260780005	9/13/2010	Ag-108m	4.68E+00	3.34E+00	1.12E+01
TV	ONS1-V	260780005	9/13/2010	Ag-110m	3.04E-01	4.79E+00	1.57E+01
TV	ONS1-V	260780005	9/13/2010	Ba-140	-1.50E+01	1.37E+01	4.40E+01
TV	ONS1-V	260780005	9/13/2010	Be-7	1.22E+03	8.60E+01	9.84E+01 *
TV	ONS1-V	260780005	9/13/2010	Ce-141	2.38E+00	5.20E+00	1.78E+01
TV	ONS1-V	260780005	9/13/2010	Ce-144	3.31E+01	2.10E+01	6.83E+01
TV	ONS1-V	260780005	9/13/2010	Co-57	-2.72E+00	2.78E+00	8.66E+00
TV	ONS1-V	260780005	9/13/2010	Co-58	-8.12E-01	3.38E+00	1.10E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TV	ONS1-V	260780005	9/13/2010	Co-60	2.62E+00	3.67E+00	1.27E+01
TV	ONS1-V	260780005	9/13/2010	Cr-51	1.58E+01	3.05E+01	1.01E+02
TV	ONS1-V	260780005	9/13/2010	Cs-134	4.12E+00	4.34E+00	1.48E+01
TV	ONS1-V	260780005	9/13/2010	Cs-137	1.08E+01	3.70E+00	1.34E+01
TV	ONS1-V	260780005	9/13/2010	Fe-59	-1.92E+01	7.49E+00	2.08E+01
TV	ONS1-V	260780005	9/13/2010	I-131	6.88E+00	4.60E+00	1.55E+01
TV	ONS1-V	260780005	9/13/2010	K-40	1.68E+03	1.35E+02	1.14E+02 *
TV	ONS1-V	260780005	9/13/2010	La-140	-1.90E+00	4.89E+00	1.57E+01
TV	ONS1-V	260780005	9/13/2010	Mn-54	1.67E+00	3.37E+00	1.13E+01
TV	ONS1-V	260780005	9/13/2010	Nb-95	8.25E+00	3.57E+00	1.27E+01
TV	ONS1-V	260780005	9/13/2010	Ru-103	1.76E+00	3.41E+00	1.11E+01
TV	ONS1-V	260780005	9/13/2010	Ru-106	3.63E+01	3.06E+01	1.06E+02
TV	ONS1-V	260780005	9/13/2010	Sb-124	2.54E+00	7.89E+00	2.64E+01
TV	ONS1-V	260780005	9/13/2010	Sb-125	1.76E+01	1.05E+01	3.55E+01
TV	ONS1-V	260780005	9/13/2010	Se-75	-5.32E+00	4.70E+00	1.52E+01
TV	ONS1-V	260780005	9/13/2010	Th-228	1.17E+01	9.42E+00	2.45E+01
TV	ONS1-V	260780005	9/13/2010	Zn-65	-1.72E+01	1.03E+01	2.70E+01
TV	ONS1-V	260780005	9/13/2010	Zr-95	-7.57E+00	5.66E+00	1.76E+01
TV	ONS1-V	260780006	9/13/2010	Ac-228	-1.61E+01	1.96E+01	4.77E+01
TV	ONS1-V	260780006	9/13/2010	Ag-108m	-9.97E-01	2.89E+00	9.32E+00
TV	ONS1-V	260780006	9/13/2010	Ag-110m	-6.11E+00	4.60E+00	1.41E+01
TV	ONS1-V	260780006	9/13/2010	Ba-140	-8.76E+00	1.21E+01	3.99E+01
TV	ONS1-V	260780006	9/13/2010	Be-7	2.29E+03	1.25E+02	8.20E+01 *
TV	ONS1-V	260780006	9/13/2010	Ce-141	9.80E-01	4.55E+00	1.49E+01
TV	ONS1-V	260780006	9/13/2010	Ce-144	-1.69E+01	1.84E+01	5.97E+01
TV	ONS1-V	260780006	9/13/2010	Co-57	2.33E+00	2.32E+00	7.81E+00
TV	ONS1-V	260780006	9/13/2010	Co-58	-3.93E+00	3.39E+00	1.06E+01
TV	ONS1-V	260780006	9/13/2010	Co-60	-2.80E+00	3.92E+00	1.24E+01
TV	ONS1-V	260780006	9/13/2010	Cr-51	1.36E+01	2.55E+01	8.60E+01
TV	ONS1-V	260780006	9/13/2010	Cs-134	1.70E-01	4.37E+00	1.43E+01
TV	ONS1-V	260780006	9/13/2010	Cs-137	-1.57E+00	3.63E+00	1.19E+01
TV	ONS1-V	260780006	9/13/2010	Fe-59	-6.54E+00	6.87E+00	2.20E+01
TV	ONS1-V	260780006	9/13/2010	I-131	-8.82E-01	3.98E+00	1.31E+01
TV	ONS1-V	260780006	9/13/2010	K-40	5.59E+03	3.15E+02	8.78E+01 *

\* Radioactivity detected in sample (i.e., concentration > 3X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE		REFERENCE		CONC	STD.DEV.	MDC	
TYPE	STATION	LSN	DATE				(pCi/kg)
TV	ONS1-V	260780006	9/13/2010	La-140	-7.40E-01	4.12E+00	1.36E+01
TV	ONS1-V	260780006	9/13/2010	Mn-54	9.10E-01	3.25E+00	1.07E+01
TV	ONS1-V	260780006	9/13/2010	Nb-95	3.47E+00	3.37E+00	1.14E+01
TV	ONS1-V	260780006	9/13/2010	Ru-103	-4.37E+00	3.04E+00	9.31E+00
TV	ONS1-V	260780006	9/13/2010	Ru-106	-9.14E+00	2.77E+01	9.15E+01
TV	ONS1-V	260780006	9/13/2010	Sb-124	6.42E-01	6.65E+00	2.22E+01
TV	ONS1-V	260780006	9/13/2010	Sb-125	2.51E+00	8.45E+00	2.78E+01
TV	ONS1-V	260780006	9/13/2010	Se-75	1.54E+00	3.88E+00	1.32E+01
TV	ONS1-V	260780006	9/13/2010	Th-228	7.55E+00	7.16E+00	2.02E+01
TV	ONS1-V	260780006	9/13/2010	Zn-65	-1.82E+01	8.97E+00	2.78E+01
TV	ONS1-V	260780006	9/13/2010	Zr-95	5.25E+00	5.46E+00	1.85E+01
TV	OFS-V	260780007	9/13/2010	Ac-228	2.64E+01	1.97E+01	5.27E+01
TV	OFS-V	260780007	9/13/2010	Ag-108m	-5.47E+00	2.99E+00	9.13E+00
TV	OFS-V	260780007	9/13/2010	Ag-110m	-1.61E+00	4.72E+00	1.51E+01
TV	OFS-V	260780007	9/13/2010	Ba-140	-1.90E+01	1.68E+01	4.14E+01
TV	OFS-V	260780007	9/13/2010	Be-7	1.92E+03	1.16E+02	8.14E+01 *
TV	OFS-V	260780007	9/13/2010	Ce-141	-1.29E+00	4.34E+00	1.38E+01
TV	OFS-V	260780007	9/13/2010	Ce-144	2.31E+01	1.72E+01	5.66E+01
TV	OFS-V	260780007	9/13/2010	Co-57	-4.82E-01	2.17E+00	6.98E+00
TV	OFS-V	260780007	9/13/2010	Co-58	2.90E+00	3.12E+00	1.06E+01
TV	OFS-V	260780007	9/13/2010	Co-60	1.49E+00	3.61E+00	1.21E+01
TV	OFS-V	260780007	9/13/2010	Cr-51	-3.70E+01	2.59E+01	8.25E+01
TV	OFS-V	260780007	9/13/2010	Cs-134	2.62E+00	4.14E+00	1.39E+01
TV	OFS-V	260780007	9/13/2010	Cs-137	3.02E+00	3.42E+00	1.17E+01
TV	OFS-V	260780007	9/13/2010	Fe-59	2.83E+00	6.90E+00	2.34E+01
TV	OFS-V	260780007	9/13/2010	I-131	5.69E+00	3.96E+00	1.34E+01
TV	OFS-V	260780007	9/13/2010	K-40	4.10E+03	2.31E+02	9.99E+01 *
TV	OFS-V	260780007	9/13/2010	La-140	8.87E-01	4.17E+00	1.37E+01
TV	OFS-V	260780007	9/13/2010	Mn-54	-2.42E+00	3.22E+00	1.02E+01
TV	OFS-V	260780007	9/13/2010	Nb-95	2.12E+00	3.25E+00	1.09E+01
TV	OFS-V	260780007	9/13/2010	Ru-103	-1.88E+00	3.06E+00	9.59E+00
TV	OFS-V	260780007	9/13/2010	Ru-106	-6.40E+01	2.94E+01	9.08E+01
TV	OFS-V	260780007	9/13/2010	Sb-124	1.06E+01	6.02E+00	2.26E+01
TV	OFS-V	260780007	9/13/2010	Sb-125	-1.23E+01	8.83E+00	2.74E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TV	OFS-V	260780007	9/13/2010	Se-75	-5.06E+00	3.95E+00	1.28E+01
TV	OFS-V	260780007	9/13/2010	Th-228	-4.35E+00	7.81E+00	2.16E+01
TV	OFS-V	260780007	9/13/2010	Zn-65	-5.80E+00	8.03E+00	2.61E+01
TV	OFS-V	260780007	9/13/2010	Zr-95	8.49E+00	5.89E+00	2.03E+01
TV	ONS3-V	264865001	10/15/2010	Ac-228	4.80E+01	2.49E+01	8.54E+01
TV	ONS3-V	264865001	10/15/2010	Ag-108m	2.38E+00	4.85E+00	1.60E+01
TV	ONS3-V	264865001	10/15/2010	Ag-110m	-5.22E+00	8.28E+00	2.61E+01
TV	ONS3-V	264865001	10/15/2010	Ba-140	7.14E+01	2.79E+01	9.18E+01
TV	ONS3-V	264865001	10/15/2010	Be-7	1.91E+03	1.46E+02	1.56E+02 *
TV	ONS3-V	264865001	10/15/2010	Ce-141	-1.21E+01	8.73E+00	2.79E+01
TV	ONS3-V	264865001	10/15/2010	Ce-144	-5.33E+00	3.19E+01	1.05E+02
TV	ONS3-V	264865001	10/15/2010	Co-57	1.10E+00	4.23E+00	1.41E+01
TV	ONS3-V	264865001	10/15/2010	Co-58	-2.29E+00	5.42E+00	1.74E+01
TV	ONS3-V	264865001	10/15/2010	Co-60	5.93E+00	6.28E+00	2.14E+01
TV	ONS3-V	264865001	10/15/2010	Cr-51	-5.84E+01	4.95E+01	1.61E+02
TV	ONS3-V	264865001	10/15/2010	Cs-134	-4.22E-01	7.47E+00	2.44E+01
TV	ONS3-V	264865001	10/15/2010	Cs-137	3.63E+01	8.99E+00	2.10E+01 *
TV	ONS3-V	264865001	10/15/2010	Fe-59	3.77E+00	1.27E+01	4.27E+01
TV	ONS3-V	264865001	10/15/2010	I-131	7.49E+00	9.30E+00	3.13E+01
TV	ONS3-V	264865001	10/15/2010	K-40	3.32E+03	2.54E+02	1.98E+02 *
TV	ONS3-V	264865001	10/15/2010	La-140	-1.29E+01	9.70E+00	2.99E+01
TV	ONS3-V	264865001	10/15/2010	Mn-54	3.97E+00	6.07E+00	2.02E+01
TV	ONS3-V	264865001	10/15/2010	Nb-95	1.41E+01	6.17E+00	2.16E+01
TV	ONS3-V	264865001	10/15/2010	Ru-103	-1.00E+00	5.90E+00	1.89E+01
TV	ONS3-V	264865001	10/15/2010	Ru-106	-2.52E+01	5.16E+01	1.70E+02
TV	ONS3-V	264865001	10/15/2010	Sb-124	1.46E+01	1.36E+01	4.80E+01
TV	ONS3-V	264865001	10/15/2010	Sb-125	2.26E+01	1.51E+01	5.09E+01
TV	ONS3-V	264865001	10/15/2010	Se-75	2.17E-01	6.85E+00	2.31E+01
TV	ONS3-V	264865001	10/15/2010	Th-228	2.28E+00	1.60E+01	3.57E+01
TV	ONS3-V	264865001	10/15/2010	Zn-65	1.58E+00	1.50E+01	4.32E+01
TV	ONS3-V	264865001	10/15/2010	Zr-95	1.71E+01	1.03E+01	3.55E+01
TV	ONS3-V	264865002	10/15/2010	Ac-228	4.85E+01	4.28E+01	5.78E+01
TV	ONS3-V	264865002	10/15/2010	Ag-108m	-4.35E+00	4.17E+00	1.32E+01
TV	ONS3-V	264865002	10/15/2010	Ag-110m	2.97E+00	6.42E+00	2.15E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TV	ONS3-V	264865002	10/15/2010	Ba-140	-7.54E+00	2.06E+01	6.50E+01
TV	ONS3-V	264865002	10/15/2010	Be-7	2.87E+03	1.64E+02	1.27E+02 *
TV	ONS3-V	264865002	10/15/2010	Ce-141	-2.10E+00	7.05E+00	2.27E+01
TV	ONS3-V	264865002	10/15/2010	Ce-144	4.68E+01	2.77E+01	9.24E+01
TV	ONS3-V	264865002	10/15/2010	Co-57	-6.06E-01	3.49E+00	1.14E+01
TV	ONS3-V	264865002	10/15/2010	Co-58	-1.41E+00	4.70E+00	1.53E+01
TV	ONS3-V	264865002	10/15/2010	Co-60	-3.88E-02	5.71E+00	1.90E+01
TV	ONS3-V	264865002	10/15/2010	Cr-51	-2.69E+01	4.44E+01	1.46E+02
TV	ONS3-V	264865002	10/15/2010	Cs-134	1.32E+01	5.79E+00	2.08E+01
TV	ONS3-V	264865002	10/15/2010	Cs-137	1.16E+01	1.10E+01	1.61E+01
TV	ONS3-V	264865002	10/15/2010	Fe-59	-6.43E+00	9.37E+00	2.90E+01
TV	ONS3-V	264865002	10/15/2010	I-131	-7.58E-01	8.02E+00	2.64E+01
TV	ONS3-V	264865002	10/15/2010	K-40	1.15E+03	1.51E+02	1.39E+02 *
TV	ONS3-V	264865002	10/15/2010	La-140	-6.75E+00	7.97E+00	2.45E+01
TV	ONS3-V	264865002	10/15/2010	Mn-54	8.58E+00	5.18E+00	1.81E+01
TV	ONS3-V	264865002	10/15/2010	Nb-95	7.81E+00	4.94E+00	1.73E+01
TV	ONS3-V	264865002	10/15/2010	Ru-103	-1.62E+01	5.14E+00	1.44E+01
TV	ONS3-V	264865002	10/15/2010	Ru-106	3.89E+01	4.15E+01	1.44E+02
TV	ONS3-V	264865002	10/15/2010	Sb-124	5.86E+00	9.84E+00	3.37E+01
TV	ONS3-V	264865002	10/15/2010	Sb-125	2.89E-01	1.36E+01	4.45E+01
TV	ONS3-V	264865002	10/15/2010	Se-75	1.03E+00	6.19E+00	2.09E+01
TV	ONS3-V	264865002	10/15/2010	Th-228	1.86E+01	1.39E+01	3.11E+01
TV	ONS3-V	264865002	10/15/2010	Zn-65	-3.37E+00	1.25E+01	3.39E+01
TV	ONS3-V	264865002	10/15/2010	Zr-95	-3.00E+00	8.05E+00	2.63E+01
TV	ONS3-V	264865003	10/15/2010	Ac-228	1.68E+02	7.18E+01	9.23E+01
TV	ONS3-V	264865003	10/15/2010	Ag-108m	-1.02E+00	6.70E+00	2.21E+01
TV	ONS3-V	264865003	10/15/2010	Ag-110m	1.05E+01	1.11E+01	3.84E+01
TV	ONS3-V	264865003	10/15/2010	Ba-140	1.18E+01	3.60E+01	1.18E+02
TV	ONS3-V	264865003	10/15/2010	Be-7	4.49E+03	2.85E+02	1.97E+02 *
TV	ONS3-V	264865003	10/15/2010	Ce-141	-2.38E+01	1.18E+01	2.89E+01
TV	ONS3-V	264865003	10/15/2010	Ce-144	-3.13E+01	3.24E+01	1.05E+02
TV	ONS3-V	264865003	10/15/2010	Co-57	-7.27E-01	4.10E+00	1.36E+01
TV	ONS3-V	264865003	10/15/2010	Co-58	6.10E+00	7.94E+00	2.73E+01
TV	ONS3-V	264865003	10/15/2010	Co-60	-1.93E+00	8.95E+00	2.97E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TV	ONS3-V	264865003	10/15/2010	Cr-51	6.49E+01	6.24E+01	2.15E+02
TV	ONS3-V	264865003	10/15/2010	Cs-134	2.26E+01	9.44E+00	3.43E+01
TV	ONS3-V	264865003	10/15/2010	Cs-137	1.35E+02	1.90E+01	2.61E+01 *
TV	ONS3-V	264865003	10/15/2010	Fe-59	-5.77E+00	1.71E+01	5.49E+01
TV	ONS3-V	264865003	10/15/2010	I-131	1.46E+01	1.20E+01	4.12E+01
TV	ONS3-V	264865003	10/15/2010	K-40	2.74E+03	2.49E+02	2.93E+02 *
TV	ONS3-V	264865003	10/15/2010	La-140	-2.51E+01	1.37E+01	3.98E+01
TV	ONS3-V	264865003	10/15/2010	Mn-54	7.53E-01	8.30E+00	2.78E+01
TV	ONS3-V	264865003	10/15/2010	Nb-95	1.15E+01	8.58E+00	3.00E+01
TV	ONS3-V	264865003	10/15/2010	Pb-210	1.10E+03	2.35E+02	3.06E+02 *
TV	ONS3-V	264865003	10/15/2010	Ru-103	-1.17E+01	7.31E+00	2.24E+01
TV	ONS3-V	264865003	10/15/2010	Ru-106	1.14E+02	7.48E+01	2.54E+02
TV	ONS3-V	264865003	10/15/2010	Sb-124	-1.38E+01	1.77E+01	5.46E+01
TV	ONS3-V	264865003	10/15/2010	Sb-125	-9.09E+00	1.89E+01	6.15E+01
TV	ONS3-V	264865003	10/15/2010	Se-75	-5.62E-01	8.78E+00	2.78E+01
TV	ONS3-V	264865003	10/15/2010	Th-228	4.99E+01	1.79E+01	3.37E+01
TV	ONS3-V	264865003	10/15/2010	Zn-65	7.85E-01	2.04E+01	6.64E+01
TV	ONS3-V	264865003	10/15/2010	Zr-95	2.18E+01	1.40E+01	4.95E+01
TV	ONS1-V	264865004	10/15/2010	Ac-228	6.74E+01	3.37E+01	7.06E+01
TV	ONS1-V	264865004	10/15/2010	Ag-108m	-4.99E-01	4.40E+00	1.44E+01
TV	ONS1-V	264865004	10/15/2010	Ag-110m	-7.50E+00	6.38E+00	2.02E+01
TV	ONS1-V	264865004	10/15/2010	Ba-140	-7.70E+00	2.42E+01	7.77E+01
TV	ONS1-V	264865004	10/15/2010	Be-7	2.43E+03	1.48E+02	1.41E+02 *
TV	ONS1-V	264865004	10/15/2010	Ce-141	-4.01E+00	8.62E+00	2.76E+01
TV	ONS1-V	264865004	10/15/2010	Ce-144	2.65E+00	3.30E+01	1.07E+02
TV	ONS1-V	264865004	10/15/2010	Co-57	1.66E-01	4.23E+00	1.37E+01
TV	ONS1-V	264865004	10/15/2010	Co-58	2.83E+00	4.77E+00	1.62E+01
TV	ONS1-V	264865004	10/15/2010	Co-60	3.01E+00	5.54E+00	1.84E+01
TV	ONS1-V	264865004	10/15/2010	Cr-51	-1.29E+02	4.86E+01	1.52E+02
TV	ONS1-V	264865004	10/15/2010	Cs-134	6.15E+00	5.83E+00	2.00E+01
TV	ONS1-V	264865004	10/15/2010	Cs-137	1.61E+01	5.40E+00	1.94E+01
TV	ONS1-V	264865004	10/15/2010	Fe-59	-1.08E+01	1.08E+01	3.40E+01
TV	ONS1-V	264865004	10/15/2010	I-131	-1.28E+00	8.89E+00	2.93E+01
TV	ONS1-V	264865004	10/15/2010	K-40	2.05E+03	1.79E+02	1.64E+02 *

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TV	ONS1-V	264865004	10/15/2010	La-140	2.72E+00	7.24E+00	2.45E+01
TV	ONS1-V	264865004	10/15/2010	Mn-54	1.01E+01	4.64E+00	1.64E+01
TV	ONS1-V	264865004	10/15/2010	Nb-95	4.48E-02	5.22E+00	1.74E+01
TV	ONS1-V	264865004	10/15/2010	Ru-103	1.90E+00	5.17E+00	1.70E+01
TV	ONS1-V	264865004	10/15/2010	Ru-106	-2.48E+01	4.93E+01	1.57E+02
TV	ONS1-V	264865004	10/15/2010	Sb-124	1.61E-01	1.04E+01	3.45E+01
TV	ONS1-V	264865004	10/15/2010	Sb-125	-3.92E+00	1.42E+01	4.63E+01
TV	ONS1-V	264865004	10/15/2010	Se-75	-1.08E+01	6.88E+00	2.24E+01
TV	ONS1-V	264865004	10/15/2010	Th-228	6.03E+00	1.78E+01	3.17E+01
TV	ONS1-V	264865004	10/15/2010	Zn-65	-7.16E+00	1.34E+01	3.64E+01
TV	ONS1-V	264865004	10/15/2010	Zr-95	-7.39E+00	8.91E+00	2.90E+01
TV	ONS1-V	264865005	10/15/2010	Ac-228	1.42E+01	2.47E+01	6.62E+01
TV	ONS1-V	264865005	10/15/2010	Ag-108m	-6.11E+00	3.32E+00	1.05E+01
TV	ONS1-V	264865005	10/15/2010	Ag-110m	-9.32E+00	5.75E+00	1.80E+01
TV	ONS1-V	264865005	10/15/2010	Ba-140	-1.86E+00	1.92E+01	6.35E+01
TV	ONS1-V	264865005	10/15/2010	Be-7	1.81E+03	1.22E+02	1.14E+02 *
TV	ONS1-V	264865005	10/15/2010	Ce-141	-3.62E+00	6.19E+00	1.85E+01
TV	ONS1-V	264865005	10/15/2010	Ce-144	-6.92E+00	2.15E+01	7.25E+01
TV	ONS1-V	264865005	10/15/2010	Co-57	4.89E+00	2.71E+00	9.52E+00
TV	ONS1-V	264865005	10/15/2010	Co-58	9.08E+00	4.01E+00	1.41E+01
TV	ONS1-V	264865005	10/15/2010	Co-60	4.51E+00	4.76E+00	1.62E+01
TV	ONS1-V	264865005	10/15/2010	Cr-51	-3.13E+01	3.75E+01	1.17E+02
TV	ONS1-V	264865005	10/15/2010	Cs-134	4.65E+00	5.21E+00	1.73E+01
TV	ONS1-V	264865005	10/15/2010	Cs-137	9.34E+00	4.53E+00	1.58E+01
TV	ONS1-V	264865005	10/15/2010	Fe-59	8.31E+00	8.52E+00	2.94E+01
TV	ONS1-V	264865005	10/15/2010	I-131	-4.22E+00	6.94E+00	2.16E+01
TV	ONS1-V	264865005	10/15/2010	K-40	1.32E+03	1.25E+02	1.12E+02 *
TV	ONS1-V	264865005	10/15/2010	La-140	-5.05E+00	6.41E+00	2.03E+01
TV	ONS1-V	264865005	10/15/2010	Mn-54	1.61E-01	3.99E+00	1.35E+01
TV	ONS1-V	264865005	10/15/2010	Nb-95	1.09E+01	4.24E+00	1.50E+01
TV	ONS1-V	264865005	10/15/2010	Ru-103	-6.66E+00	3.89E+00	1.21E+01
TV	ONS1-V	264865005	10/15/2010	Ru-106	3.10E+01	3.84E+01	1.29E+02
TV	ONS1-V	264865005	10/15/2010	Sb-124	-1.22E+01	9.66E+00	2.92E+01
TV	ONS1-V	264865005	10/15/2010	Sb-125	-4.72E+00	1.06E+01	3.52E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TV	ONS1-V	264865005	10/15/2010	Se-75	-4.34E+00	5.00E+00	1.59E+01
TV	ONS1-V	264865005	10/15/2010	Th-228	-1.57E+01	9.79E+00	2.58E+01
TV	ONS1-V	264865005	10/15/2010	Zn-65	-8.52E+00	9.44E+00	2.98E+01
TV	ONS1-V	264865005	10/15/2010	Zr-95	4.49E+00	7.51E+00	2.48E+01
TV	ONS1-V	264865006	10/15/2010	Ac-228	-8.31E+00	3.09E+01	8.96E+01
TV	ONS1-V	264865006	10/15/2010	Ag-108m	-2.70E+00	5.02E+00	1.59E+01
TV	ONS1-V	264865006	10/15/2010	Ag-110m	1.01E+00	8.14E+00	2.65E+01
TV	ONS1-V	264865006	10/15/2010	Ba-140	7.81E+00	2.61E+01	8.83E+01
TV	ONS1-V	264865006	10/15/2010	Be-7	1.97E+03	1.43E+02	1.56E+02 *
TV	ONS1-V	264865006	10/15/2010	Ce-141	1.46E+01	8.69E+00	2.86E+01
TV	ONS1-V	264865006	10/15/2010	Ce-144	6.94E+00	3.10E+01	1.00E+02
TV	ONS1-V	264865006	10/15/2010	Co-57	3.89E+00	3.91E+00	1.29E+01
TV	ONS1-V	264865006	10/15/2010	Co-58	-3.09E+00	5.51E+00	1.76E+01
TV	ONS1-V	264865006	10/15/2010	Co-60	-9.19E+00	6.40E+00	1.94E+01
TV	ONS1-V	264865006	10/15/2010	Cr-51	6.11E+01	4.98E+01	1.68E+02
TV	ONS1-V	264865006	10/15/2010	Cs-134	1.14E+01	7.14E+00	2.47E+01
TV	ONS1-V	264865006	10/15/2010	Cs-137	5.83E+00	6.38E+00	2.17E+01
TV	ONS1-V	264865006	10/15/2010	Fe-59	-1.21E+01	1.35E+01	4.36E+01
TV	ONS1-V	264865006	10/15/2010	I-131	9.24E+00	9.48E+00	3.17E+01
TV	ONS1-V	264865006	10/15/2010	K-40	6.76E+03	3.96E+02	1.88E+02 *
TV	ONS1-V	264865006	10/15/2010	La-140	8.19E-02	9.50E+00	3.08E+01
TV	ONS1-V	264865006	10/15/2010	Mn-54	-8.23E+00	5.95E+00	1.83E+01
TV	ONS1-V	264865006	10/15/2010	Nb-95	7.06E+00	6.39E+00	2.17E+01
TV	ONS1-V	264865006	10/15/2010	Ru-103	-2.34E+00	5.18E+00	1.73E+01
TV	ONS1-V	264865006	10/15/2010	Ru-106	9.99E-01	5.09E+01	1.70E+02
TV	ONS1-V	264865006	10/15/2010	Sb-124	3.28E-01	1.54E+01	4.42E+01
TV	ONS1-V	264865006	10/15/2010	Sb-125	-4.91E+00	1.52E+01	4.86E+01
TV	ONS1-V	264865006	10/15/2010	Se-75	-1.91E+00	6.94E+00	2.30E+01
TV	ONS1-V	264865006	10/15/2010	Th-228	-6.01E+00	1.27E+01	3.47E+01
TV	ONS1-V	264865006	10/15/2010	Zn-65	-3.65E+01	1.45E+01	4.35E+01
TV	ONS1-V	264865006	10/15/2010	Zr-95	5.23E+00	1.03E+01	3.44E+01
TV	OFS-V	264865007	10/15/2010	Ac-228	1.14E+02	4.78E+01	9.98E+01
TV	OFS-V	264865007	10/15/2010	Ag-108m	4.75E+00	5.41E+00	1.79E+01
TV	OFS-V	264865007	10/15/2010	Ag-110m	-1.02E+01	9.00E+00	2.76E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)
TYPE	STATION	LSN	DATE				
TV	OFS-V	264865007	10/15/2010	Ba-140	2.65E+01	2.67E+01	9.13E+01
TV	OFS-V	264865007	10/15/2010	Be-7	2.47E+03	1.80E+02	1.71E+02 *
TV	OFS-V	264865007	10/15/2010	Ce-141	-1.30E+01	9.38E+00	2.91E+01
TV	OFS-V	264865007	10/15/2010	Ce-144	4.11E+01	3.47E+01	1.14E+02
TV	OFS-V	264865007	10/15/2010	Co-57	-8.48E-03	4.60E+00	1.49E+01
TV	OFS-V	264865007	10/15/2010	Co-58	4.97E+00	6.32E+00	2.12E+01
TV	OFS-V	264865007	10/15/2010	Co-60	1.92E+00	7.00E+00	2.32E+01
TV	OFS-V	264865007	10/15/2010	Cr-51	4.53E+01	5.45E+01	1.82E+02
TV	OFS-V	264865007	10/15/2010	Cs-134	8.07E+00	7.23E+00	2.46E+01
TV	OFS-V	264865007	10/15/2010	Cs-137	4.07E+00	6.30E+00	2.13E+01
TV	OFS-V	264865007	10/15/2010	Fe-59	-9.32E+00	1.28E+01	4.09E+01
TV	OFS-V	264865007	10/15/2010	I-131	1.70E+01	1.02E+01	3.45E+01
TV	OFS-V	264865007	10/15/2010	K-40	5.13E+03	3.30E+02	2.14E+02 *
TV	OFS-V	264865007	10/15/2010	La-140	1.16E+01	1.01E+01	3.60E+01
TV	OFS-V	264865007	10/15/2010	Mn-54	-6.21E+00	6.29E+00	1.96E+01
TV	OFS-V	264865007	10/15/2010	Nb-95	5.54E+00	6.03E+00	2.04E+01
TV	OFS-V	264865007	10/15/2010	Ru-103	2.82E+00	6.33E+00	2.16E+01
TV	OFS-V	264865007	10/15/2010	Ru-106	2.14E+00	5.52E+01	1.83E+02
TV	OFS-V	264865007	10/15/2010	Sb-124	-1.04E+01	1.35E+01	4.23E+01
TV	OFS-V	264865007	10/15/2010	Sb-125	-1.26E+01	1.63E+01	5.12E+01
TV	OFS-V	264865007	10/15/2010	Se-75	1.58E+00	8.00E+00	2.67E+01
TV	OFS-V	264865007	10/15/2010	Th-228	2.58E-01	1.77E+01	3.90E+01
TV	OFS-V	264865007	10/15/2010	Zn-65	-3.82E+01	1.73E+01	5.23E+01
TV	OFS-V	264865007	10/15/2010	Zr-95	1.01E+01	1.08E+01	3.65E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WD	STJ	L16096-01	1/7/2010	AcTh-228	1.20E+00	5.80E+00	2.10E+01
WD	STJ	L16096-01	1/7/2010	Ag-108m	7.00E-01	1.30E+00	4.60E+00
WD	STJ	L16096-01	1/7/2010	Ag-110m	2.40E+00	2.40E+00	8.30E+00
WD	STJ	L16096-01	1/7/2010	Ba-140	-4.50E+00	3.40E+00	1.40E+01
WD	STJ	L16096-01	1/7/2010	Be-7	-1.00E+00	1.70E+01	5.90E+01
WD	STJ	L16096-01	1/7/2010	Ce-141	2.00E+00	3.40E+00	1.10E+01
WD	STJ	L16096-01	1/7/2010	Ce-144	4.30E+00	9.80E+00	3.30E+01
WD	STJ	L16096-01	1/7/2010	Co-57	-7.00E-01	1.30E+00	4.60E+00
WD	STJ	L16096-01	1/7/2010	Co-58	-7.00E-01	1.60E+00	5.80E+00
WD	STJ	L16096-01	1/7/2010	Co-60	9.00E-01	1.80E+00	6.30E+00
WD	STJ	L16096-01	1/7/2010	Cr-51	-1.10E+01	1.80E+01	6.50E+01
WD	STJ	L16096-01	1/7/2010	Cs-134	1.30E+00	1.40E+00	5.10E+00
WD	STJ	L16096-01	1/7/2010	Cs-137	-2.00E+00	1.70E+00	6.50E+00
WD	STJ	L16096-01	1/7/2010	Fe-59	2.20E+00	3.10E+00	1.10E+01
WD	STJ	L16096-01	1/7/2010	Gross Beta	2.70E+00	1.10E+00	3.20E+00
WD	STJ	L16096-01	1/7/2010	I-131	4.10E-01	2.80E-01	7.80E-01
WD	STJ	L16096-01	1/7/2010	K-40	-2.80E+01	2.20E+01	8.20E+01
WD	STJ	L16096-01	1/7/2010	La-140	-4.50E+00	3.40E+00	1.40E+01
WD	STJ	L16096-01	1/7/2010	Mn-54	-2.00E-01	1.70E+00	6.10E+00
WD	STJ	L16096-01	1/7/2010	Nb-95	1.80E+00	2.90E+00	9.90E+00
WD	STJ	L16096-01	1/7/2010	Ru-103	-7.50E+00	2.20E+00	8.60E+00
WD	STJ	L16096-01	1/7/2010	Ru-106	5.00E+00	1.60E+01	5.40E+01
WD	STJ	L16096-01	1/7/2010	Sb-124	0.00E+00	3.50E+00	1.30E+01
WD	STJ	L16096-01	1/7/2010	Sb-125	1.00E+00	4.20E+00	1.50E+01
WD	STJ	L16096-01	1/7/2010	Se-75	5.60E+00	2.30E+00	7.30E+00
WD	STJ	L16096-01	1/7/2010	Zn-65	4.20E+00	6.60E+00	2.20E+01
WD	STJ	L16096-01	1/7/2010	Zr-95	2.70E+00	2.80E+00	9.60E+00
WD	LTW	L16096-02	1/7/2010	AcTh-228	7.10E+00	4.80E+00	1.60E+01
WD	LTW	L16096-02	1/7/2010	Ag-108m	5.00E-01	1.30E+00	4.40E+00
WD	LTW	L16096-02	1/7/2010	Ag-110m	2.20E+00	1.70E+00	5.80E+00
WD	LTW	L16096-02	1/7/2010	Ba-140	-1.00E-01	3.40E+00	1.30E+01
WD	LTW	L16096-02	1/7/2010	Be-7	1.30E+01	1.20E+01	4.00E+01
WD	LTW	L16096-02	1/7/2010	Ce-141	9.00E-01	2.90E+00	9.90E+00
WD	LTW	L16096-02	1/7/2010	Ce-144	6.20E+00	7.20E+00	2.40E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WD	LTW	L16096-02	1/7/2010	Co-57	8.00E-01	9.80E-01	3.30E+00
WD	LTW	L16096-02	1/7/2010	Co-58	-2.50E+00	1.40E+00	5.50E+00
WD	LTW	L16096-02	1/7/2010	Co-60	8.00E-01	1.60E+00	5.60E+00
WD	LTW	L16096-02	1/7/2010	Cr-51	1.00E+01	1.40E+01	4.70E+01
WD	LTW	L16096-02	1/7/2010	Cs-134	-8.00E-01	1.10E+00	5.10E+00
WD	LTW	L16096-02	1/7/2010	Cs-137	-1.00E-01	1.30E+00	4.60E+00
WD	LTW	L16096-02	1/7/2010	Fe-59	-1.00E+00	2.60E+00	9.70E+00
WD	LTW	L16096-02	1/7/2010	Gross Beta	3.60E+00	1.00E+00	2.90E+00 *
WD	LTW	L16096-02	1/7/2010	I-131	-7.00E-03	5.00E-02	2.60E-01
WD	LTW	L16096-02	1/7/2010	K-40	2.50E+01	2.20E+01	7.40E+01
WD	LTW	L16096-02	1/7/2010	La-140	-1.00E-01	3.40E+00	1.30E+01
WD	LTW	L16096-02	1/7/2010	Mn-54	-2.20E+00	1.30E+00	4.90E+00
WD	LTW	L16096-02	1/7/2010	Nb-95	-6.80E+00	1.80E+00	7.20E+00
WD	LTW	L16096-02	1/7/2010	Ru-103	-2.00E+00	1.50E+00	5.60E+00
WD	LTW	L16096-02	1/7/2010	Ru-106	-8.00E+00	1.20E+01	4.20E+01
WD	LTW	L16096-02	1/7/2010	Sb-124	-2.30E+00	3.10E+00	1.20E+01
WD	LTW	L16096-02	1/7/2010	Sb-125	3.20E+00	4.10E+00	1.40E+01
WD	LTW	L16096-02	1/7/2010	Se-75	1.80E+00	1.70E+00	5.60E+00
WD	LTW	L16096-02	1/7/2010	Zn-65	-1.90E+00	3.10E+00	1.10E+01
WD	LTW	L16096-02	1/7/2010	Zr-95	-1.30E+00	2.60E+00	9.40E+00
WD	STJ	L16148-01	1/21/2010	AcTh-228	-1.12E+01	5.80E+00	2.30E+01
WD	STJ	L16148-01	1/21/2010	Ag-108m	5.00E-01	1.30E+00	4.50E+00
WD	STJ	L16148-01	1/21/2010	Ag-110m	-1.90E+00	2.20E+00	8.10E+00
WD	STJ	L16148-01	1/21/2010	Ba-140	2.70E+00	3.60E+00	1.30E+01
WD	STJ	L16148-01	1/21/2010	Be-7	1.90E+01	1.50E+01	5.10E+01
WD	STJ	L16148-01	1/21/2010	Ce-141	-5.10E+00	2.70E+00	9.70E+00
WD	STJ	L16148-01	1/21/2010	Ce-144	-1.78E+01	8.60E+00	3.20E+01
WD	STJ	L16148-01	1/21/2010	Co-57	5.00E-01	1.20E+00	4.20E+00
WD	STJ	L16148-01	1/21/2010	Co-58	-1.20E+00	1.50E+00	5.50E+00
WD	STJ	L16148-01	1/21/2010	Co-60	-1.00E-01	1.60E+00	5.80E+00
WD	STJ	L16148-01	1/21/2010	Cr-51	-1.60E+01	1.60E+01	5.60E+01
WD	STJ	L16148-01	1/21/2010	Cs-134	1.10E+00	1.10E+00	5.10E+00
WD	STJ	L16148-01	1/21/2010	Cs-137	-1.60E+00	1.60E+00	5.80E+00
WD	STJ	L16148-01	1/21/2010	Fe-59	1.30E+00	3.20E+00	1.10E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	
WD	STJ	L16148-01	1/21/2010	Gross Beta	4.30E+00	1.10E+00	3.30E+00	*
WD	STJ	L16148-01	1/21/2010	I-131	-2.00E-02	1.50E-01	9.30E-01	
WD	STJ	L16148-01	1/21/2010	K-40	1.40E+01	2.10E+01	7.20E+01	
WD	STJ	L16148-01	1/21/2010	La-140	2.70E+00	3.60E+00	1.30E+01	
WD	STJ	L16148-01	1/21/2010	Mn-54	-1.50E+00	1.60E+00	5.90E+00	
WD	STJ	L16148-01	1/21/2010	Nb-95	-2.40E+00	1.80E+00	6.80E+00	
WD	STJ	L16148-01	1/21/2010	Ru-103	-1.70E+00	2.00E+00	7.30E+00	
WD	STJ	L16148-01	1/21/2010	Ru-106	-2.00E+01	1.50E+01	5.60E+01	
WD	STJ	L16148-01	1/21/2010	Sb-124	-4.40E+00	3.40E+00	1.40E+01	
WD	STJ	L16148-01	1/21/2010	Sb-125	3.10E+00	4.00E+00	1.30E+01	
WD	STJ	L16148-01	1/21/2010	Se-75	-1.60E+00	2.00E+00	7.00E+00	
WD	STJ	L16148-01	1/21/2010	Zn-65	4.80E+00	3.00E+00	9.90E+00	
WD	STJ	L16148-01	1/21/2010	Zr-95	5.00E-01	2.50E+00	8.90E+00	
WD	LTW	L16148-02	1/21/2010	AcTh-228	-5.80E+00	5.00E+00	1.90E+01	
WD	LTW	L16148-02	1/21/2010	Ag-108m	2.70E+00	1.20E+00	3.80E+00	
WD	LTW	L16148-02	1/21/2010	Ag-110m	-2.00E-01	1.70E+00	6.20E+00	
WD	LTW	L16148-02	1/21/2010	Ba-140	2.20E+00	3.20E+00	1.10E+01	
WD	LTW	L16148-02	1/21/2010	Be-7	-6.00E+00	1.30E+01	4.70E+01	
WD	LTW	L16148-02	1/21/2010	Ce-141	-6.90E+00	2.30E+00	8.40E+00	
WD	LTW	L16148-02	1/21/2010	Ce-144	-8.10E+00	7.00E+00	2.50E+01	
WD	LTW	L16148-02	1/21/2010	Co-57	-8.40E-01	9.60E-01	3.40E+00	
WD	LTW	L16148-02	1/21/2010	Co-58	1.00E-01	1.50E+00	5.20E+00	
WD	LTW	L16148-02	1/21/2010	Co-60	-2.80E+00	1.50E+00	5.90E+00	
WD	LTW	L16148-02	1/21/2010	Cr-51	-1.30E+01	1.30E+01	4.60E+01	
WD	LTW	L16148-02	1/21/2010	Cs-134	-5.00E-01	1.10E+00	5.00E+00	
WD	LTW	L16148-02	1/21/2010	Cs-137	-1.40E+00	1.30E+00	4.90E+00	
WD	LTW	L16148-02	1/21/2010	Fe-59	1.10E+00	3.00E+00	1.10E+01	
WD	LTW	L16148-02	1/21/2010	Gross Beta	4.20E+00	1.10E+00	3.20E+00	*
WD	LTW	L16148-02	1/21/2010	I-131	1.70E-01	1.90E-01	7.40E-01	
WD	LTW	L16148-02	1/21/2010	K-40	9.00E+00	2.00E+01	6.90E+01	
WD	LTW	L16148-02	1/21/2010	La-140	2.20E+00	3.20E+00	1.10E+01	
WD	LTW	L16148-02	1/21/2010	Mn-54	-7.00E-01	1.40E+00	5.00E+00	
WD	LTW	L16148-02	1/21/2010	Nb-95	-7.00E-01	1.80E+00	6.40E+00	
WD	LTW	L16148-02	1/21/2010	Ru-103	-2.00E+00	1.60E+00	5.80E+00	

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE		CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
			DATE	NUCLIDE			
WD	LTW	L16148-02	1/21/2010	Ru-106	-4.00E+00	1.20E+01	4.30E+01
WD	LTW	L16148-02	1/21/2010	Sb-124	-4.00E-01	3.50E+00	1.30E+01
WD	LTW	L16148-02	1/21/2010	Sb-125	2.20E+00	3.70E+00	1.30E+01
WD	LTW	L16148-02	1/21/2010	Se-75	-8.00E-01	1.70E+00	6.00E+00
WD	LTW	L16148-02	1/21/2010	Zn-65	-4.70E+00	2.70E+00	1.10E+01
WD	LTW	L16148-02	1/21/2010	Zr-95	-3.00E-01	2.50E+00	9.00E+00
WD	STJ	L16190-01	2/4/2010	AcTh-228	-7.00E-01	5.40E+00	1.90E+01
WD	STJ	L16190-01	2/4/2010	Ag-108m	5.00E-01	1.20E+00	4.20E+00
WD	STJ	L16190-01	2/4/2010	Ag-110m	-3.30E+00	1.80E+00	7.00E+00
WD	STJ	L16190-01	2/4/2010	Ba-140	-4.00E-01	3.50E+00	1.30E+01
WD	STJ	L16190-01	2/4/2010	Be-7	-1.60E+01	1.30E+01	4.80E+01
WD	STJ	L16190-01	2/4/2010	Ce-141	-5.50E+00	2.50E+00	9.00E+00
WD	STJ	L16190-01	2/4/2010	Ce-144	4.30E+00	8.40E+00	2.80E+01
WD	STJ	L16190-01	2/4/2010	Co-57	-2.70E+00	1.00E+00	3.80E+00
WD	STJ	L16190-01	2/4/2010	Co-58	-2.80E+00	1.40E+00	5.40E+00
WD	STJ	L16190-01	2/4/2010	Co-60	-2.40E+00	1.40E+00	5.40E+00
WD	STJ	L16190-01	2/4/2010	Cr-51	2.10E+01	1.50E+01	5.10E+01
WD	STJ	L16190-01	2/4/2010	Cs-134	-1.50E+00	1.20E+00	4.90E+00
WD	STJ	L16190-01	2/4/2010	Cs-137	-3.00E+00	1.40E+00	5.50E+00
WD	STJ	L16190-01	2/4/2010	Fe-59	-3.90E+00	3.20E+00	1.20E+01
WD	STJ	L16190-01	2/4/2010	Gross Beta	3.70E+00	1.10E+00	3.20E+00 *
WD	STJ	L16190-01	2/4/2010	I-131	-1.22E-01	2.00E-02	7.80E-01
WD	STJ	L16190-01	2/4/2010	K-40	0.00E+00	2.20E+01	7.60E+01
WD	STJ	L16190-01	2/4/2010	La-140	-4.00E-01	3.50E+00	1.30E+01
WD	STJ	L16190-01	2/4/2010	Mn-54	5.00E-01	1.40E+00	5.00E+00
WD	STJ	L16190-01	2/4/2010	Nb-95	-1.80E+00	1.70E+00	6.30E+00
WD	STJ	L16190-01	2/4/2010	Ru-103	-5.10E+00	1.90E+00	7.10E+00
WD	STJ	L16190-01	2/4/2010	Ru-106	1.70E+01	1.30E+01	4.40E+01
WD	STJ	L16190-01	2/4/2010	Sb-124	3.40E+00	3.60E+00	1.20E+01
WD	STJ	L16190-01	2/4/2010	Sb-125	1.00E+00	3.60E+00	1.20E+01
WD	STJ	L16190-01	2/4/2010	Se-75	2.80E+00	1.80E+00	6.00E+00
WD	STJ	L16190-01	2/4/2010	Zn-65	-1.50E+00	3.90E+00	1.40E+01
WD	STJ	L16190-01	2/4/2010	Zr-95	1.00E+00	2.40E+00	8.30E+00
WD	LTW	L16190-02	2/4/2010	AcTh-228	7.20E+00	5.60E+00	1.90E+01

\* Radioactivity detected in sample (i.e., concentration &gt; 3 X standard deviation)

+ Minimum Detectable Concentration &gt; Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE		CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
			DATE	NUCLIDE			
WD	LTW	L16190-02	2/4/2010	Ag-108m	5.00E-01	1.00E+00	3.50E+00
WD	LTW	L16190-02	2/4/2010	Ag-110m	2.90E+00	1.60E+00	5.10E+00
WD	LTW	L16190-02	2/4/2010	Ba-140	1.40E+00	3.30E+00	1.20E+01
WD	LTW	L16190-02	2/4/2010	Be-7	3.00E+00	1.20E+01	4.00E+01
WD	LTW	L16190-02	2/4/2010	Ce-141	-1.00E-01	2.30E+00	8.00E+00
WD	LTW	L16190-02	2/4/2010	Ce-144	9.90E+00	6.50E+00	2.10E+01
WD	LTW	L16190-02	2/4/2010	Co-57	-1.69E+00	8.20E-01	2.90E+00
WD	LTW	L16190-02	2/4/2010	Co-58	2.00E-01	1.20E+00	4.20E+00
WD	LTW	L16190-02	2/4/2010	Co-60	-6.00E-01	1.30E+00	4.80E+00
WD	LTW	L16190-02	2/4/2010	Cr-51	1.20E+01	1.20E+01	4.10E+01
WD	LTW	L16190-02	2/4/2010	Cs-134	5.40E-01	9.90E-01	4.10E+00
WD	LTW	L16190-02	2/4/2010	Cs-137	-1.30E+00	1.30E+00	4.60E+00
WD	LTW	L16190-02	2/4/2010	Fe-59	-3.00E-01	2.60E+00	1.30E+01
WD	LTW	L16190-02	2/4/2010	Gross Beta	4.40E+00	1.10E+00	3.00E+00 *
WD	LTW	L16190-02	2/4/2010	I-131	2.90E-01	2.40E-01	8.30E-01
WD	LTW	L16190-02	2/4/2010	K-40	-1.80E+01	2.10E+01	7.40E+01
WD	LTW	L16190-02	2/4/2010	La-140	1.40E+00	3.30E+00	1.20E+01
WD	LTW	L16190-02	2/4/2010	Mn-54	-1.20E+00	1.10E+00	4.20E+00
WD	LTW	L16190-02	2/4/2010	Nb-95	-9.00E-01	1.60E+00	5.70E+00
WD	LTW	L16190-02	2/4/2010	Ru-103	-3.00E+00	2.40E+00	8.60E+00
WD	LTW	L16190-02	2/4/2010	Ru-106	1.40E+01	1.00E+01	3.40E+01
WD	LTW	L16190-02	2/4/2010	Sb-124	3.30E+00	2.90E+00	9.90E+00
WD	LTW	L16190-02	2/4/2010	Sb-125	-1.50E+00	3.30E+00	1.20E+01
WD	LTW	L16190-02	2/4/2010	Se-75	8.00E-01	1.40E+00	4.70E+00
WD	LTW	L16190-02	2/4/2010	Zn-65	1.90E+00	2.60E+00	8.80E+00
WD	LTW	L16190-02	2/4/2010	Zr-95	2.30E+00	2.10E+00	7.10E+00
WD	STJ	L16235-01	2/18/2010	AcTh-228	5.00E-01	5.30E+00	1.90E+01
WD	STJ	L16235-01	2/18/2010	Ag-108m	-1.30E+00	1.10E+00	4.00E+00
WD	STJ	L16235-01	2/18/2010	Ag-110m	-2.40E+00	2.10E+00	7.70E+00
WD	STJ	L16235-01	2/18/2010	Ba-140	3.90E+00	4.20E+00	1.50E+01
WD	STJ	L16235-01	2/18/2010	Be-7	1.00E+01	1.40E+01	4.90E+01
WD	STJ	L16235-01	2/18/2010	Ce-141	-1.40E+00	2.80E+00	9.50E+00
WD	STJ	L16235-01	2/18/2010	Ce-144	-1.90E+00	7.80E+00	2.70E+01
WD	STJ	L16235-01	2/18/2010	Co-57	1.80E+00	1.10E+00	3.50E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WD	STJ	L16235-01	2/18/2010	Co-58	-2.80E+00	1.40E+00	5.40E+00
WD	STJ	L16235-01	2/18/2010	Co-60	2.30E+00	1.40E+00	4.40E+00
WD	STJ	L16235-01	2/18/2010	Cr-51	-3.00E+00	1.70E+01	5.80E+01
WD	STJ	L16235-01	2/18/2010	Cs-134	-2.00E-01	1.20E+00	4.90E+00
WD	STJ	L16235-01	2/18/2010	Cs-137	7.00E-01	1.50E+00	5.10E+00
WD	STJ	L16235-01	2/18/2010	Fe-59	7.00E-01	3.30E+00	1.20E+01
WD	STJ	L16235-01	2/18/2010	Gross Beta	3.40E+00	1.10E+00	3.30E+00 *
WD	STJ	L16235-01	2/18/2010	I-131	-1.00E-02	1.40E-01	8.30E-01
WD	STJ	L16235-01	2/18/2010	K-40	2.70E+01	2.20E+01	7.40E+01
WD	STJ	L16235-01	2/18/2010	La-140	3.90E+00	4.20E+00	1.50E+01
WD	STJ	L16235-01	2/18/2010	Mn-54	-1.90E+00	1.40E+00	5.10E+00
WD	STJ	L16235-01	2/18/2010	Nb-95	-3.00E-01	1.80E+00	6.50E+00
WD	STJ	L16235-01	2/18/2010	Ru-103	-3.10E+00	1.90E+00	7.00E+00
WD	STJ	L16235-01	2/18/2010	Ru-106	-9.00E+00	1.30E+01	4.80E+01
WD	STJ	L16235-01	2/18/2010	Sb-124	5.00E-01	4.00E+00	1.40E+01
WD	STJ	L16235-01	2/18/2010	Sb-125	-3.80E+00	3.50E+00	1.30E+01
WD	STJ	L16235-01	2/18/2010	Se-75	2.70E+00	1.70E+00	5.80E+00
WD	STJ	L16235-01	2/18/2010	Zn-65	-4.40E+00	2.90E+00	1.10E+01
WD	STJ	L16235-01	2/18/2010	Zr-95	-4.00E-01	2.30E+00	8.30E+00
WD	LTW	L16235-02	2/18/2010	AcTh-228	9.30E+00	4.70E+00	1.50E+01
WD	LTW	L16235-02	2/18/2010	Ag-108m	0.00E+00	9.30E-01	3.20E+00
WD	LTW	L16235-02	2/18/2010	Ag-110m	-5.00E-01	1.60E+00	5.80E+00
WD	LTW	L16235-02	2/18/2010	Ba-140	2.70E+00	4.30E+00	1.50E+01
WD	LTW	L16235-02	2/18/2010	Be-7	-2.00E+00	1.00E+01	3.70E+01
WD	LTW	L16235-02	2/18/2010	Ce-141	-6.00E-01	1.90E+00	6.50E+00
WD	LTW	L16235-02	2/18/2010	Ce-144	4.20E+00	4.80E+00	1.60E+01
WD	LTW	L16235-02	2/18/2010	Co-57	6.80E-01	6.20E-01	2.10E+00
WD	LTW	L16235-02	2/18/2010	Co-58	8.00E-01	1.20E+00	4.20E+00
WD	LTW	L16235-02	2/18/2010	Co-60	1.00E+00	1.10E+00	3.80E+00
WD	LTW	L16235-02	2/18/2010	Cr-51	8.00E+00	1.20E+01	4.00E+01
WD	LTW	L16235-02	2/18/2010	Cs-134	1.00E-01	8.20E-01	3.90E+00
WD	LTW	L16235-02	2/18/2010	Cs-137	-1.60E+00	1.30E+00	4.60E+00
WD	LTW	L16235-02	2/18/2010	Fe-59	-1.20E+00	2.90E+00	1.10E+01
WD	LTW	L16235-02	2/18/2010	Gross Beta	3.10E+00	1.10E+00	3.20E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WD	LTW	L16235-02	2/18/2010	I-131	-1.33E-01	2.20E-02	7.40E-01
WD	LTW	L16235-02	2/18/2010	K-40	-7.00E+00	2.20E+01	7.60E+01
WD	LTW	L16235-02	2/18/2010	La-140	2.70E+00	4.30E+00	1.50E+01
WD	LTW	L16235-02	2/18/2010	Mn-54	-1.10E+00	1.20E+00	4.30E+00
WD	LTW	L16235-02	2/18/2010	Nb-95	5.00E-01	1.70E+00	5.70E+00
WD	LTW	L16235-02	2/18/2010	Ru-103	4.00E-01	1.50E+00	5.00E+00
WD	LTW	L16235-02	2/18/2010	Ru-106	1.00E+00	1.20E+01	4.20E+01
WD	LTW	L16235-02	2/18/2010	Sb-124	0.00E+00	3.60E+00	1.30E+01
WD	LTW	L16235-02	2/18/2010	Sb-125	-3.80E+00	2.80E+00	1.00E+01
WD	LTW	L16235-02	2/18/2010	Se-75	-1.40E+00	1.30E+00	4.40E+00
WD	LTW	L16235-02	2/18/2010	Zn-65	-1.90E+00	2.90E+00	1.10E+01
WD	LTW	L16235-02	2/18/2010	Zr-95	-3.30E+00	2.30E+00	8.60E+00
WD	STJ	L16274-01	3/4/2010	AcTh-228	6.90E+00	5.80E+00	1.90E+01
WD	STJ	L16274-01	3/4/2010	Ag-108m	1.40E+00	1.10E+00	3.70E+00
WD	STJ	L16274-01	3/4/2010	Ag-110m	7.00E-01	1.70E+00	5.80E+00
WD	STJ	L16274-01	3/4/2010	Ba-140	-8.00E-01	3.30E+00	1.20E+01
WD	STJ	L16274-01	3/4/2010	Be-7	-1.30E+01	1.40E+01	4.90E+01
WD	STJ	L16274-01	3/4/2010	Ce-141	-3.00E+00	2.40E+00	8.30E+00
WD	STJ	L16274-01	3/4/2010	Ce-144	-5.70E+00	7.60E+00	2.70E+01
WD	STJ	L16274-01	3/4/2010	Co-57	1.50E+00	1.10E+00	3.50E+00
WD	STJ	L16274-01	3/4/2010	Co-58	-1.90E+00	1.10E+00	4.30E+00
WD	STJ	L16274-01	3/4/2010	Co-60	2.30E+00	1.40E+00	4.70E+00
WD	STJ	L16274-01	3/4/2010	Cr-51	-1.10E+01	1.40E+01	4.90E+01
WD	STJ	L16274-01	3/4/2010	Cs-134	-8.40E-01	9.70E-01	4.70E+00
WD	STJ	L16274-01	3/4/2010	Cs-137	-2.90E+00	1.40E+00	5.20E+00
WD	STJ	L16274-01	3/4/2010	Fe-59	6.00E-01	2.90E+00	1.00E+01
WD	STJ	L16274-01	3/4/2010	Gross Beta	4.20E+00	1.10E+00	3.20E+00 *
WD	STJ	L16274-01	3/4/2010	I-131	2.40E-01	2.50E-01	9.20E-01
WD	STJ	L16274-01	3/4/2010	K-40	2.20E+01	2.00E+01	6.70E+01
WD	STJ	L16274-01	3/4/2010	La-140	-8.00E-01	3.30E+00	1.20E+01
WD	STJ	L16274-01	3/4/2010	Mn-54	1.20E+00	1.30E+00	4.50E+00
WD	STJ	L16274-01	3/4/2010	Nb-95	-2.00E-01	1.70E+00	5.90E+00
WD	STJ	L16274-01	3/4/2010	Ru-103	-3.00E-01	1.60E+00	5.70E+00
WD	STJ	L16274-01	3/4/2010	Ru-106	-2.00E+01	1.30E+01	4.80E+01

\* Radioactivity detected in sample (i.e., concentration &gt; 3 X standard deviation)

+ Minimum Detectable Concentration &gt; Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE		CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
			DATE	NUCLIDE			
WD	STJ	L16274-01	3/4/2010	Sb-124	1.80E+00	2.80E+00	1.00E+01
WD	STJ	L16274-01	3/4/2010	Sb-125	3.00E+00	3.40E+00	1.20E+01
WD	STJ	L16274-01	3/4/2010	Se-75	-1.90E+00	1.80E+00	6.40E+00
WD	STJ	L16274-01	3/4/2010	Zn-65	6.00E-01	2.20E+00	8.00E+00
WD	STJ	L16274-01	3/4/2010	Zr-95	7.00E-01	2.40E+00	8.30E+00
WD	LTW	L16274-02	3/4/2010	AcTh-228	8.00E-01	5.30E+00	1.90E+01
WD	LTW	L16274-02	3/4/2010	Ag-108m	-3.40E+00	1.20E+00	4.70E+00
WD	LTW	L16274-02	3/4/2010	Ag-110m	4.00E-01	1.70E+00	6.00E+00
WD	LTW	L16274-02	3/4/2010	Ba-140	-3.50E+00	3.30E+00	1.30E+01
WD	LTW	L16274-02	3/4/2010	Be-7	-1.50E+01	1.20E+01	4.50E+01
WD	LTW	L16274-02	3/4/2010	Ce-141	-8.00E-01	2.10E+00	7.30E+00
WD	LTW	L16274-02	3/4/2010	Ce-144	1.00E-01	7.20E+00	2.50E+01
WD	LTW	L16274-02	3/4/2010	Co-57	2.00E-02	9.50E-01	3.30E+00
WD	LTW	L16274-02	3/4/2010	Co-58	-2.80E+00	1.40E+00	5.60E+00
WD	LTW	L16274-02	3/4/2010	Co-60	-1.30E+00	1.40E+00	5.50E+00
WD	LTW	L16274-02	3/4/2010	Cr-51	-1.50E+01	1.40E+01	5.00E+01
WD	LTW	L16274-02	3/4/2010	Cs-134	-1.00E-01	1.20E+00	5.10E+00
WD	LTW	L16274-02	3/4/2010	Cs-137	1.30E+00	1.30E+00	4.50E+00
WD	LTW	L16274-02	3/4/2010	Fe-59	0.00E+00	2.90E+00	1.10E+01
WD	LTW	L16274-02	3/4/2010	Gross Beta	4.60E+00	1.10E+00	3.10E+00 *
WD	LTW	L16274-02	3/4/2010	I-131	-4.00E-02	1.50E-01	9.60E-01
WD	LTW	L16274-02	3/4/2010	K-40	-2.40E+01	2.00E+01	7.50E+01
WD	LTW	L16274-02	3/4/2010	La-140	-3.50E+00	3.30E+00	1.30E+01
WD	LTW	L16274-02	3/4/2010	Mn-54	1.00E-01	1.20E+00	4.40E+00
WD	LTW	L16274-02	3/4/2010	Nb-95	-2.10E+00	1.70E+00	6.50E+00
WD	LTW	L16274-02	3/4/2010	Ru-103	-7.00E-01	1.70E+00	6.00E+00
WD	LTW	L16274-02	3/4/2010	Ru-106	6.00E+00	1.10E+01	3.90E+01
WD	LTW	L16274-02	3/4/2010	Sb-124	-4.00E-01	3.60E+00	1.40E+01
WD	LTW	L16274-02	3/4/2010	Sb-125	0.00E+00	3.60E+00	1.30E+01
WD	LTW	L16274-02	3/4/2010	Se-75	-3.00E-01	1.70E+00	5.80E+00
WD	LTW	L16274-02	3/4/2010	Zn-65	5.40E+00	3.10E+00	1.00E+01
WD	LTW	L16274-02	3/4/2010	Zr-95	8.00E-01	2.40E+00	8.30E+00
WD	STJ	L16330-01	3/18/2010	AcTh-228	2.00E+00	5.90E+00	2.00E+01
WD	STJ	L16330-01	3/18/2010	Ag-108m	-1.40E-01	9.90E-01	3.50E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WD	STJ	L16330-01	3/18/2010	Ag-110m	4.00E-01	1.70E+00	5.80E+00
WD	STJ	L16330-01	3/18/2010	Ba-140	0.00E+00	3.70E+00	1.30E+01
WD	STJ	L16330-01	3/18/2010	Be-7	-8.00E+00	1.30E+01	4.50E+01
WD	STJ	L16330-01	3/18/2010	Ce-141	1.10E+00	2.30E+00	7.60E+00
WD	STJ	L16330-01	3/18/2010	Ce-144	-2.60E+00	7.00E+00	2.40E+01
WD	STJ	L16330-01	3/18/2010	Co-57	-3.00E-02	8.60E-01	2.90E+00
WD	STJ	L16330-01	3/18/2010	Co-58	-1.30E+00	1.20E+00	4.60E+00
WD	STJ	L16330-01	3/18/2010	Co-60	-3.00E-01	1.30E+00	4.70E+00
WD	STJ	L16330-01	3/18/2010	Cr-51	-3.90E+01	1.50E+01	5.50E+01
WD	STJ	L16330-01	3/18/2010	Cs-134	-2.56E+00	8.60E-01	4.50E+00
WD	STJ	L16330-01	3/18/2010	Cs-137	2.50E+00	1.30E+00	4.10E+00
WD	STJ	L16330-01	3/18/2010	Fe-59	-3.00E-01	2.80E+00	1.00E+01
WD	STJ	L16330-01	3/18/2010	Gross Beta	2.90E+00	1.00E+00	3.00E+00
WD	STJ	L16330-01	3/18/2010	I-131	2.10E-01	2.40E-01	9.30E-01
WD	STJ	L16330-01	3/18/2010	K-40	1.10E+01	1.70E+01	5.90E+01
WD	STJ	L16330-01	3/18/2010	La-140	0.00E+00	3.70E+00	1.30E+01
WD	STJ	L16330-01	3/18/2010	Mn-54	1.00E-01	1.20E+00	4.20E+00
WD	STJ	L16330-01	3/18/2010	Nb-95	-3.00E-01	1.70E+00	5.80E+00
WD	STJ	L16330-01	3/18/2010	Ru-103	-2.10E+00	1.70E+00	6.10E+00
WD	STJ	L16330-01	3/18/2010	Ru-106	-1.20E+01	1.20E+01	4.30E+01
WD	STJ	L16330-01	3/18/2010	Sb-124	-2.00E+00	3.10E+00	1.20E+01
WD	STJ	L16330-01	3/18/2010	Sb-125	8.00E-01	3.10E+00	1.10E+01
WD	STJ	L16330-01	3/18/2010	Se-75	-2.00E-01	1.70E+00	5.70E+00
WD	STJ	L16330-01	3/18/2010	Zn-65	3.20E+00	2.40E+00	7.90E+00
WD	STJ	L16330-01	3/18/2010	Zr-95	-1.70E+00	2.00E+00	7.60E+00
WD	LTW	L16330-02	3/18/2010	AcTh-228	-8.80E+00	4.50E+00	1.70E+01
WD	LTW	L16330-02	3/18/2010	Ag-108m	1.50E+00	1.00E+00	3.40E+00
WD	LTW	L16330-02	3/18/2010	Ag-110m	3.00E-01	1.60E+00	5.60E+00
WD	LTW	L16330-02	3/18/2010	Ba-140	3.40E+00	4.10E+00	1.40E+01
WD	LTW	L16330-02	3/18/2010	Be-7	1.30E+01	1.20E+01	4.10E+01
WD	LTW	L16330-02	3/18/2010	Ce-141	1.90E+00	2.10E+00	7.00E+00
WD	LTW	L16330-02	3/18/2010	Ce-144	-3.40E+00	6.00E+00	2.10E+01
WD	LTW	L16330-02	3/18/2010	Co-57	7.80E-01	7.80E-01	2.60E+00
WD	LTW	L16330-02	3/18/2010	Co-58	1.00E-01	1.20E+00	4.30E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE		CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
			DATE	NUCLIDE			
WD	LTW	L16330-02	3/18/2010	Co-60	8.00E-01	1.10E+00	4.00E+00
WD	LTW	L16330-02	3/18/2010	Cr-51	6.00E+00	1.40E+01	4.80E+01
WD	LTW	L16330-02	3/18/2010	Cs-134	-2.00E-01	1.10E+00	4.60E+00
WD	LTW	L16330-02	3/18/2010	Cs-137	9.00E-01	1.20E+00	4.30E+00
WD	LTW	L16330-02	3/18/2010	Fe-59	1.90E+00	2.90E+00	1.00E+01
WD	LTW	L16330-02	3/18/2010	Gross Beta	2.50E+00	1.00E+00	3.20E+00
WD	LTW	L16330-02	3/18/2010	I-131	2.20E-01	2.60E-01	1.00E+00
WD	LTW	L16330-02	3/18/2010	K-40	-7.00E+00	1.90E+01	6.90E+01
WD	LTW	L16330-02	3/18/2010	La-140	3.40E+00	4.10E+00	1.40E+01
WD	LTW	L16330-02	3/18/2010	Mn-54	-2.60E+00	1.30E+00	4.90E+00
WD	LTW	L16330-02	3/18/2010	Nb-95	-9.00E-01	1.60E+00	5.90E+00
WD	LTW	L16330-02	3/18/2010	Ru-103	-3.70E+00	1.80E+00	6.80E+00
WD	LTW	L16330-02	3/18/2010	Ru-106	-1.00E+00	1.00E+01	3.70E+01
WD	LTW	L16330-02	3/18/2010	Sb-124	1.40E+00	3.10E+00	1.10E+01
WD	LTW	L16330-02	3/18/2010	Sb-125	1.90E+00	3.20E+00	1.10E+01
WD	LTW	L16330-02	3/18/2010	Se-75	8.00E-01	1.50E+00	5.00E+00
WD	LTW	L16330-02	3/18/2010	Zn-65	-1.30E+00	2.70E+00	9.80E+00
WD	LTW	L16330-02	3/18/2010	Zr-95	-6.40E+00	2.50E+00	9.70E+00
WD	STJ	L16379-01	4/1/2010	AcTh-228	4.00E-01	5.80E+00	2.00E+01
WD	STJ	L16379-01	4/1/2010	Ag-108m	-8.60E-01	9.50E-01	3.40E+00
WD	STJ	L16379-01	4/1/2010	Ag-110m	3.60E+00	1.80E+00	5.90E+00
WD	STJ	L16379-01	4/1/2010	Ba-140	-1.90E+00	3.80E+00	1.40E+01
WD	STJ	L16379-01	4/1/2010	Be-7	1.00E+01	1.10E+01	3.60E+01
WD	STJ	L16379-01	4/1/2010	Ce-141	2.10E+00	1.90E+00	6.50E+00
WD	STJ	L16379-01	4/1/2010	Ce-144	5.50E+00	5.30E+00	1.80E+01
WD	STJ	L16379-01	4/1/2010	Co-57	-3.40E-01	6.50E-01	2.30E+00
WD	STJ	L16379-01	4/1/2010	Co-58	9.00E-01	1.20E+00	4.20E+00
WD	STJ	L16379-01	4/1/2010	Co-60	-1.10E+00	1.30E+00	5.00E+00
WD	STJ	L16379-01	4/1/2010	Cr-51	-9.00E+00	1.00E+01	3.70E+01
WD	STJ	L16379-01	4/1/2010	Cs-134	-1.50E+00	1.00E+00	4.60E+00
WD	STJ	L16379-01	4/1/2010	Cs-137	7.00E-01	1.40E+00	4.70E+00
WD	STJ	L16379-01	4/1/2010	Fe-59	3.00E-01	2.80E+00	1.00E+01
WD	STJ	L16379-01	4/1/2010	Gross Beta	1.60E+00	9.20E-01	3.00E+00
WD	STJ	L16379-01	4/1/2010	I-131	1.00E-01	1.60E-01	6.90E-01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE		CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
			DATE	NUCLIDE			
WD	STJ	L16379-01	4/1/2010	K-40	4.00E+00	2.10E+01	7.40E+01
WD	STJ	L16379-01	4/1/2010	La-140	-1.90E+00	3.80E+00	1.40E+01
WD	STJ	L16379-01	4/1/2010	Mn-54	2.20E+00	1.20E+00	3.90E+00
WD	STJ	L16379-01	4/1/2010	Nb-95	-3.00E-01	1.50E+00	5.20E+00
WD	STJ	L16379-01	4/1/2010	Ru-103	-3.70E+00	1.40E+00	5.30E+00
WD	STJ	L16379-01	4/1/2010	Ru-106	-1.80E+01	1.20E+01	4.30E+01
WD	STJ	L16379-01	4/1/2010	Sb-124	1.00E+00	3.80E+00	1.40E+01
WD	STJ	L16379-01	4/1/2010	Sb-125	-2.60E+00	2.90E+00	1.00E+01
WD	STJ	L16379-01	4/1/2010	Se-75	3.00E-01	1.30E+00	4.60E+00
WD	STJ	L16379-01	4/1/2010	Zn-65	-5.20E+00	2.70E+00	1.10E+01
WD	STJ	L16379-01	4/1/2010	Zr-95	0.00E+00	2.30E+00	8.10E+00
WD	LTW	L16379-02	4/1/2010	AcTh-228	1.00E+01	4.90E+00	1.60E+01
WD	LTW	L16379-02	4/1/2010	Ag-108m	-1.55E+00	9.80E-01	3.60E+00
WD	LTW	L16379-02	4/1/2010	Ag-110m	4.10E+00	1.60E+00	4.90E+00
WD	LTW	L16379-02	4/1/2010	Ba-140	-8.80E+00	3.40E+00	1.40E+01
WD	LTW	L16379-02	4/1/2010	Be-7	-6.00E+00	1.00E+01	3.70E+01
WD	LTW	L16379-02	4/1/2010	Ce-141	-8.00E-01	1.50E+00	5.40E+00
WD	LTW	L16379-02	4/1/2010	Ce-144	7.10E+00	5.20E+00	1.70E+01
WD	LTW	L16379-02	4/1/2010	Co-57	1.75E+00	6.70E-01	2.10E+00
WD	LTW	L16379-02	4/1/2010	Co-58	3.00E-01	1.20E+00	4.30E+00
WD	LTW	L16379-02	4/1/2010	Co-60	-3.00E-01	1.50E+00	5.40E+00
WD	LTW	L16379-02	4/1/2010	Cr-51	2.00E+00	1.10E+01	3.70E+01
WD	LTW	L16379-02	4/1/2010	Cs-134	-3.00E-01	8.50E-01	4.00E+00
WD	LTW	L16379-02	4/1/2010	Cs-137	-2.20E+00	1.70E+00	6.10E+00
WD	LTW	L16379-02	4/1/2010	Fe-59	2.10E+00	2.90E+00	1.00E+01
WD	LTW	L16379-02	4/1/2010	Gross Beta	5.20E+00	1.10E+00	3.00E+00 *
WD	LTW	L16379-02	4/1/2010	I-131	-1.29E-01	2.10E-02	7.20E-01
WD	LTW	L16379-02	4/1/2010	K-40	3.90E+01	1.20E+01	3.20E+01 *
WD	LTW	L16379-02	4/1/2010	La-140	-8.80E+00	3.40E+00	1.40E+01
WD	LTW	L16379-02	4/1/2010	Mn-54	-1.00E-01	1.10E+00	3.80E+00
WD	LTW	L16379-02	4/1/2010	Nb-95	3.50E+00	1.50E+00	4.60E+00
WD	LTW	L16379-02	4/1/2010	Ru-103	-2.50E+00	1.30E+00	5.00E+00
WD	LTW	L16379-02	4/1/2010	Ru-106	-3.50E+00	9.90E+00	3.60E+01
WD	LTW	L16379-02	4/1/2010	Sb-124	5.00E-01	3.30E+00	1.20E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE		REFERENCE			CONC	STD.DEV.	MDC
TYPE	STATION	LSN	DATE	NUCLIDE	(pCi/L)	(pCi/L)	(pCi/L)
WD	LTW	L16379-02	4/1/2010	Sb-125	-1.20E+00	3.10E+00	1.10E+01
WD	LTW	L16379-02	4/1/2010	Se-75	-1.00E-01	1.30E+00	4.30E+00
WD	LTW	L16379-02	4/1/2010	Zn-65	2.30E+00	2.60E+00	9.00E+00
WD	LTW	L16379-02	4/1/2010	Zr-95	-3.00E-01	2.50E+00	8.80E+00
WD	STJ	L16440-01	4/15/2010	AcTh-228	-5.80E+00	7.30E+00	2.80E+01
WD	STJ	L16440-01	4/15/2010	Ag-108m	0.00E+00	1.60E+00	5.60E+00
WD	STJ	L16440-01	4/15/2010	Ag-110m	7.00E-01	2.80E+00	1.00E+01
WD	STJ	L16440-01	4/15/2010	Ba-140	-1.70E+00	3.50E+00	1.40E+01
WD	STJ	L16440-01	4/15/2010	Be-7	2.00E+00	1.80E+01	6.40E+01
WD	STJ	L16440-01	4/15/2010	Ce-141	-9.20E+00	3.30E+00	1.30E+01
WD	STJ	L16440-01	4/15/2010	Ce-144	-3.20E+01	1.10E+01	4.20E+01
WD	STJ	L16440-01	4/15/2010	Co-57	1.30E+00	1.50E+00	5.00E+00
WD	STJ	L16440-01	4/15/2010	Co-58	-3.00E-01	1.90E+00	7.10E+00
WD	STJ	L16440-01	4/15/2010	Co-60	-1.10E+00	2.10E+00	8.20E+00
WD	STJ	L16440-01	4/15/2010	Cr-51	3.70E+01	2.20E+01	7.30E+01
WD	STJ	L16440-01	4/15/2010	Cs-134	1.80E+00	1.50E+00	6.80E+00
WD	STJ	L16440-01	4/15/2010	Cs-137	-2.00E-01	1.90E+00	6.80E+00
WD	STJ	L16440-01	4/15/2010	Fe-59	-1.30E+00	3.80E+00	1.50E+01
WD	STJ	L16440-01	4/15/2010	Gross Beta	4.00E+00	1.10E+00	3.10E+00 *
WD	STJ	L16440-01	4/15/2010	I-131	3.00E-02	1.70E-01	9.70E-01
WD	STJ	L16440-01	4/15/2010	K-40	8.00E+00	2.20E+01	8.10E+01
WD	STJ	L16440-01	4/15/2010	La-140	-1.70E+00	3.50E+00	1.40E+01
WD	STJ	L16440-01	4/15/2010	Mn-54	-2.00E+00	2.10E+00	8.00E+00
WD	STJ	L16440-01	4/15/2010	Nb-95	-1.60E+00	2.20E+00	8.40E+00
WD	STJ	L16440-01	4/15/2010	Ru-103	-9.00E-01	2.70E+00	9.60E+00
WD	STJ	L16440-01	4/15/2010	Ru-106	2.00E+00	2.00E+01	7.10E+01
WD	STJ	L16440-01	4/15/2010	Sb-124	-1.90E+00	5.00E+00	2.00E+01
WD	STJ	L16440-01	4/15/2010	Sb-125	7.30E+00	4.90E+00	1.60E+01
WD	STJ	L16440-01	4/15/2010	Se-75	6.00E-01	2.40E+00	8.40E+00
WD	STJ	L16440-01	4/15/2010	Zn-65	-5.40E+00	3.60E+00	1.50E+01
WD	STJ	L16440-01	4/15/2010	Zr-95	7.60E+00	3.60E+00	1.10E+01
WD	LTW	L16440-02	4/15/2010	AcTh-228	5.60E+00	6.70E+00	2.30E+01
WD	LTW	L16440-02	4/15/2010	Ag-108m	-5.00E-01	1.10E+00	3.70E+00
WD	LTW	L16440-02	4/15/2010	Ag-110m	-1.40E+00	1.80E+00	6.50E+00

\* Radioactivity detected in sample (i.e., concentration &gt; 3 X standard deviation)

+ Minimum Detectable Concentration &gt; Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WD	LTW	L16440-02	4/15/2010	Ba-140	-3.90E+00	3.80E+00	1.50E+01
WD	LTW	L16440-02	4/15/2010	Be-7	5.00E+00	1.40E+01	4.80E+01
WD	LTW	L16440-02	4/15/2010	Ce-141	-2.30E+00	1.60E+00	5.70E+00
WD	LTW	L16440-02	4/15/2010	Ce-144	1.90E+00	5.40E+00	1.80E+01
WD	LTW	L16440-02	4/15/2010	Co-57	1.10E+00	7.20E-01	2.40E+00
WD	LTW	L16440-02	4/15/2010	Co-58	2.90E+00	1.30E+00	4.30E+00
WD	LTW	L16440-02	4/15/2010	Co-60	-1.80E+00	1.50E+00	5.80E+00
WD	LTW	L16440-02	4/15/2010	Cr-51	9.00E+00	1.10E+01	3.80E+01
WD	LTW	L16440-02	4/15/2010	Cs-134	-6.00E-01	8.90E-01	4.10E+00
WD	LTW	L16440-02	4/15/2010	Cs-137	4.00E-01	1.60E+00	5.60E+00
WD	LTW	L16440-02	4/15/2010	Fe-59	0.00E+00	3.10E+00	1.10E+01
WD	LTW	L16440-02	4/15/2010	Gross Beta	3.30E+00	1.00E+00	3.00E+00 *
WD	LTW	L16440-02	4/15/2010	I-131	3.00E-02	1.80E-01	9.90E-01
WD	LTW	L16440-02	4/15/2010	K-40	5.10E+01	1.90E+01	5.80E+01
WD	LTW	L16440-02	4/15/2010	La-140	-3.90E+00	3.80E+00	1.50E+01
WD	LTW	L16440-02	4/15/2010	Mn-54	-1.60E+00	1.30E+00	4.70E+00
WD	LTW	L16440-02	4/15/2010	Nb-95	1.30E+00	1.60E+00	5.50E+00
WD	LTW	L16440-02	4/15/2010	Ru-103	-3.20E+00	1.50E+00	5.60E+00
WD	LTW	L16440-02	4/15/2010	Ru-106	-1.10E+01	1.50E+01	5.40E+01
WD	LTW	L16440-02	4/15/2010	Sb-124	3.00E+00	3.90E+00	1.40E+01
WD	LTW	L16440-02	4/15/2010	Sb-125	3.70E+00	3.30E+00	1.10E+01
WD	LTW	L16440-02	4/15/2010	Se-75	-3.00E-01	1.40E+00	4.80E+00
WD	LTW	L16440-02	4/15/2010	Zn-65	-6.50E+00	3.00E+00	1.20E+01
WD	LTW	L16440-02	4/15/2010	Zr-95	2.10E+00	2.50E+00	8.70E+00
WD	STJ	L16497-01	4/29/2010	AcTh-228	1.70E+00	1.60E+00	6.40E+00
WD	STJ	L16497-01	4/29/2010	Ag-108m	1.80E-01	3.30E-01	1.10E+00
WD	STJ	L16497-01	4/29/2010	Ag-110m	5.80E-01	4.50E-01	1.50E+00
WD	STJ	L16497-01	4/29/2010	Ba-140	-2.00E-01	1.30E+00	4.50E+00
WD	STJ	L16497-01	4/29/2010	Be-7	4.00E-01	3.60E+00	1.20E+01
WD	STJ	L16497-01	4/29/2010	Ce-141	-1.10E+00	1.20E+00	3.90E+00
WD	STJ	L16497-01	4/29/2010	Ce-144	-1.70E+00	2.40E+00	8.00E+00
WD	STJ	L16497-01	4/29/2010	Co-57	1.60E-01	3.10E-01	1.00E+00
WD	STJ	L16497-01	4/29/2010	Co-58	-5.00E-01	4.10E-01	1.40E+00
WD	STJ	L16497-01	4/29/2010	Co-60	2.70E-01	3.50E-01	1.20E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WD	STJ	L16497-01	4/29/2010	Cr-51	3.90E+00	4.60E+00	1.50E+01
WD	STJ	L16497-01	4/29/2010	Cs-134	4.30E-01	3.00E-01	1.20E+00
WD	STJ	L16497-01	4/29/2010	Cs-137	-8.20E-01	4.20E-01	1.50E+00
WD	STJ	L16497-01	4/29/2010	Fe-59	-6.60E-01	8.60E-01	3.00E+00
WD	STJ	L16497-01	4/29/2010	Gross Beta	2.90E+00	1.10E+00	3.30E+00
WD	STJ	L16497-01	4/29/2010	I-131	1.80E-01	2.40E-01	8.80E-01
WD	STJ	L16497-01	4/29/2010	K-40	5.30E+00	5.70E+00	1.90E+01
WD	STJ	L16497-01	4/29/2010	La-140	-2.00E-01	1.30E+00	4.50E+00
WD	STJ	L16497-01	4/29/2010	Mn-54	-2.70E-01	3.30E-01	1.20E+00
WD	STJ	L16497-01	4/29/2010	Nb-95	-2.10E-01	7.00E-01	2.40E+00
WD	STJ	L16497-01	4/29/2010	Ru-103	-1.61E+00	7.50E-01	2.60E+00
WD	STJ	L16497-01	4/29/2010	Ru-106	7.00E-01	3.00E+00	1.00E+01
WD	STJ	L16497-01	4/29/2010	Sb-124	1.01E+00	9.60E-01	3.20E+00
WD	STJ	L16497-01	4/29/2010	Sb-125	1.80E+00	1.00E+00	3.30E+00
WD	STJ	L16497-01	4/29/2010	Se-75	-5.10E-01	5.10E-01	1.70E+00
WD	STJ	L16497-01	4/29/2010	Zn-65	-1.07E+00	7.20E-01	2.60E+00
WD	STJ	L16497-01	4/29/2010	Zr-95	5.40E-01	6.80E-01	2.30E+00
WD	LTW	L16497-02	4/29/2010	AcTh-228	-3.90E+00	4.40E+00	1.70E+01
WD	LTW	L16497-02	4/29/2010	Ag-108m	-1.03E+00	7.60E-01	2.90E+00
WD	LTW	L16497-02	4/29/2010	Ag-110m	-1.10E+00	1.30E+00	5.10E+00
WD	LTW	L16497-02	4/29/2010	Ba-140	6.20E+00	3.30E+00	1.00E+01
WD	LTW	L16497-02	4/29/2010	Be-7	-2.90E+00	8.60E+00	3.10E+01
WD	LTW	L16497-02	4/29/2010	Ce-141	1.80E+00	2.00E+00	6.70E+00
WD	LTW	L16497-02	4/29/2010	Ce-144	-1.00E-01	4.80E+00	1.70E+01
WD	LTW	L16497-02	4/29/2010	Co-57	1.17E+00	6.30E-01	2.10E+00
WD	LTW	L16497-02	4/29/2010	Co-58	8.00E-01	1.10E+00	3.70E+00
WD	LTW	L16497-02	4/29/2010	Co-60	3.00E-01	1.00E+00	3.80E+00
WD	LTW	L16497-02	4/29/2010	Cr-51	-2.00E+00	1.00E+01	3.60E+01
WD	LTW	L16497-02	4/29/2010	Cs-134	-8.20E-01	7.90E-01	3.90E+00
WD	LTW	L16497-02	4/29/2010	Cs-137	3.70E-01	9.20E-01	3.30E+00
WD	LTW	L16497-02	4/29/2010	Fe-59	2.90E+00	2.50E+00	8.40E+00
WD	LTW	L16497-02	4/29/2010	Gross Beta	4.00E+00	1.10E+00	3.30E+00 *
WD	LTW	L16497-02	4/29/2010	I-131	4.80E-01	2.80E-01	8.90E-01
WD	LTW	L16497-02	4/29/2010	K-40	9.00E+00	1.50E+01	5.20E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TYPE	STATION	LSN	DATE				
WD	LTW	L16497-02	4/29/2010	La-140	6.20E+00	3.30E+00	1.00E+01
WD	LTW	L16497-02	4/29/2010	Mn-54	-1.60E+00	1.10E+00	4.10E+00
WD	LTW	L16497-02	4/29/2010	Nb-95	-2.00E-01	1.30E+00	4.90E+00
WD	LTW	L16497-02	4/29/2010	Ru-103	-2.60E+00	1.30E+00	5.10E+00
WD	LTW	L16497-02	4/29/2010	Ru-106	2.04E+01	9.80E+00	3.10E+01
WD	LTW	L16497-02	4/29/2010	Sb-124	6.60E+00	3.00E+00	9.20E+00
WD	LTW	L16497-02	4/29/2010	Sb-125	-2.90E+00	2.40E+00	9.10E+00
WD	LTW	L16497-02	4/29/2010	Se-75	4.00E-01	1.20E+00	4.10E+00
WD	LTW	L16497-02	4/29/2010	Zn-65	-2.20E+00	2.10E+00	8.30E+00
WD	LTW	L16497-02	4/29/2010	Zr-95	2.40E+00	1.90E+00	6.30E+00
WD	STJ	L16540-01	5/13/2010	AcTh-228	-3.40E+00	6.50E+00	2.40E+01
WD	STJ	L16540-01	5/13/2010	Ag-108m	2.90E+00	1.30E+00	4.20E+00
WD	STJ	L16540-01	5/13/2010	Ag-110m	3.10E+00	2.40E+00	7.90E+00
WD	STJ	L16540-01	5/13/2010	Ba-140	1.10E+00	3.20E+00	1.20E+01
WD	STJ	L16540-01	5/13/2010	Be-7	-1.10E+01	1.50E+01	5.40E+01
WD	STJ	L16540-01	5/13/2010	Ce-141	-4.60E+00	2.90E+00	1.00E+01
WD	STJ	L16540-01	5/13/2010	Ce-144	1.00E+00	1.00E+01	3.40E+01
WD	STJ	L16540-01	5/13/2010	Co-57	-2.00E-01	1.20E+00	4.20E+00
WD	STJ	L16540-01	5/13/2010	Co-58	-2.10E+00	1.60E+00	6.20E+00
WD	STJ	L16540-01	5/13/2010	Co-60	-1.30E+00	1.50E+00	6.00E+00
WD	STJ	L16540-01	5/13/2010	Cr-51	-2.70E+01	1.80E+01	6.40E+01
WD	STJ	L16540-01	5/13/2010	Cs-134	1.10E+00	1.60E+00	5.80E+00
WD	STJ	L16540-01	5/13/2010	Cs-137	-1.40E+00	1.70E+00	6.20E+00
WD	STJ	L16540-01	5/13/2010	Fe-59	5.10E+00	3.60E+00	1.20E+01
WD	STJ	L16540-01	5/13/2010	Gross Beta	4.80E+00	1.10E+00	3.00E+00 *
WD	STJ	L16540-01	5/13/2010	I-131	3.00E-02	1.50E-01	8.30E-01
WD	STJ	L16540-01	5/13/2010	K-40	-1.40E+01	2.40E+01	8.60E+01
WD	STJ	L16540-01	5/13/2010	La-140	1.10E+00	3.20E+00	1.20E+01
WD	STJ	L16540-01	5/13/2010	Mn-54	-3.00E-01	1.60E+00	5.70E+00
WD	STJ	L16540-01	5/13/2010	Nb-95	-8.00E-01	2.00E+00	7.40E+00
WD	STJ	L16540-01	5/13/2010	Ru-103	4.00E-01	2.10E+00	7.20E+00
WD	STJ	L16540-01	5/13/2010	Ru-106	1.50E+01	1.60E+01	5.40E+01
WD	STJ	L16540-01	5/13/2010	Sb-124	6.00E-01	3.90E+00	1.40E+01
WD	STJ	L16540-01	5/13/2010	Sb-125	2.80E+00	4.30E+00	1.50E+01

\* Radioactivity detected in sample (i.e., concentration &gt; 3 X standard deviation)

+ Minimum Detectable Concentration &gt; Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WD	STJ	L16540-01	5/13/2010	Se-75	1.40E+00	2.20E+00	7.40E+00
WD	STJ	L16540-01	5/13/2010	Zn-65	4.50E+00	7.00E+00	2.40E+01
WD	STJ	L16540-01	5/13/2010	Zr-95	1.20E+00	2.50E+00	8.90E+00
WD	LTW	L16540-02	5/13/2010	AcTh-228	-5.50E+00	4.60E+00	1.80E+01
WD	LTW	L16540-02	5/13/2010	Ag-108m	0.00E+00	1.20E+00	4.30E+00
WD	LTW	L16540-02	5/13/2010	Ag-110m	8.00E-01	1.80E+00	6.10E+00
WD	LTW	L16540-02	5/13/2010	Ba-140	-8.70E+00	3.40E+00	1.40E+01
WD	LTW	L16540-02	5/13/2010	Be-7	-9.00E+00	1.20E+01	4.40E+01
WD	LTW	L16540-02	5/13/2010	Ce-141	3.00E+00	2.80E+00	9.20E+00
WD	LTW	L16540-02	5/13/2010	Ce-144	1.09E+01	6.60E+00	2.20E+01
WD	LTW	L16540-02	5/13/2010	Co-57	2.38E+00	9.50E-01	3.00E+00
WD	LTW	L16540-02	5/13/2010	Co-58	-6.00E-01	1.40E+00	5.00E+00
WD	LTW	L16540-02	5/13/2010	Co-60	-7.00E-01	1.40E+00	5.30E+00
WD	LTW	L16540-02	5/13/2010	Cr-51	1.40E+01	1.30E+01	4.50E+01
WD	LTW	L16540-02	5/13/2010	Cs-134	3.00E-01	1.20E+00	5.00E+00
WD	LTW	L16540-02	5/13/2010	Cs-137	3.00E-01	1.30E+00	4.70E+00
WD	LTW	L16540-02	5/13/2010	Fe-59	-2.30E+00	2.80E+00	1.10E+01
WD	LTW	L16540-02	5/13/2010	Gross Beta	4.40E+00	1.10E+00	3.00E+00 *
WD	LTW	L16540-02	5/13/2010	I-131	1.80E-01	2.40E-01	9.70E-01
WD	LTW	L16540-02	5/13/2010	K-40	-6.00E+00	2.00E+01	7.10E+01
WD	LTW	L16540-02	5/13/2010	La-140	-8.70E+00	3.40E+00	1.40E+01
WD	LTW	L16540-02	5/13/2010	Mn-54	4.00E-01	1.20E+00	4.30E+00
WD	LTW	L16540-02	5/13/2010	Nb-95	9.00E-01	1.70E+00	5.80E+00
WD	LTW	L16540-02	5/13/2010	Ru-103	-1.40E+00	1.60E+00	5.80E+00
WD	LTW	L16540-02	5/13/2010	Ru-106	7.00E+00	1.10E+01	3.80E+01
WD	LTW	L16540-02	5/13/2010	Sb-124	-1.10E+00	3.20E+00	1.20E+01
WD	LTW	L16540-02	5/13/2010	Sb-125	0.00E+00	3.50E+00	1.20E+01
WD	LTW	L16540-02	5/13/2010	Se-75	-4.00E-01	1.60E+00	5.50E+00
WD	LTW	L16540-02	5/13/2010	Zn-65	-2.40E+00	2.80E+00	1.10E+01
WD	LTW	L16540-02	5/13/2010	Zr-95	5.00E-01	2.50E+00	8.80E+00
WD	STJ	L16595-01	5/27/2010	AcTh-228	2.60E+00	5.00E+00	1.70E+01
WD	STJ	L16595-01	5/27/2010	Ag-108m	-8.10E-01	9.10E-01	3.20E+00
WD	STJ	L16595-01	5/27/2010	Ag-110m	-4.00E-01	1.40E+00	5.10E+00
WD	STJ	L16595-01	5/27/2010	Ba-140	-7.00E-01	3.50E+00	1.30E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WD	STJ	L16595-01	5/27/2010	Be-7	-1.80E+01	1.10E+01	3.90E+01
WD	STJ	L16595-01	5/27/2010	Ce-141	-1.80E+00	2.00E+00	7.10E+00
WD	STJ	L16595-01	5/27/2010	Ce-144	4.60E+00	5.70E+00	1.90E+01
WD	STJ	L16595-01	5/27/2010	Co-57	-1.30E-01	7.20E-01	2.50E+00
WD	STJ	L16595-01	5/27/2010	Co-58	-1.00E+00	1.10E+00	4.00E+00
WD	STJ	L16595-01	5/27/2010	Co-60	-1.50E+00	1.20E+00	4.60E+00
WD	STJ	L16595-01	5/27/2010	Cr-51	-1.50E+01	1.20E+01	4.40E+01
WD	STJ	L16595-01	5/27/2010	Cs-134	1.10E-01	9.10E-01	4.00E+00
WD	STJ	L16595-01	5/27/2010	Cs-137	2.90E-01	9.70E-01	3.30E+00
WD	STJ	L16595-01	5/27/2010	Fe-59	3.80E+00	2.60E+00	8.60E+00
WD	STJ	L16595-01	5/27/2010	Gross Beta	5.10E+00	1.20E+00	3.20E+00 *
WD	STJ	L16595-01	5/27/2010	I-131	-4.00E-02	1.30E-01	8.50E-01
WD	STJ	L16595-01	5/27/2010	K-40	-1.10E+01	1.80E+01	6.40E+01
WD	STJ	L16595-01	5/27/2010	La-140	-7.00E-01	3.50E+00	1.30E+01
WD	STJ	L16595-01	5/27/2010	Mn-54	1.95E+00	9.80E-01	3.20E+00
WD	STJ	L16595-01	5/27/2010	Nb-95	-5.00E-01	1.50E+00	5.30E+00
WD	STJ	L16595-01	5/27/2010	Ru-103	-3.90E+00	1.40E+00	5.30E+00
WD	STJ	L16595-01	5/27/2010	Ru-106	1.80E+00	8.90E+00	3.10E+01
WD	STJ	L16595-01	5/27/2010	Sb-124	1.60E+00	2.70E+00	9.40E+00
WD	STJ	L16595-01	5/27/2010	Sb-125	1.30E+00	2.80E+00	9.50E+00
WD	STJ	L16595-01	5/27/2010	Se-75	1.10E+00	1.30E+00	4.40E+00
WD	STJ	L16595-01	5/27/2010	Zn-65	-2.00E+00	2.30E+00	8.40E+00
WD	STJ	L16595-01	5/27/2010	Zr-95	2.60E+00	2.00E+00	6.80E+00
WD	LTW	L16595-02	5/27/2010	AcTh-228	6.30E+00	5.30E+00	1.70E+01
WD	LTW	L16595-02	5/27/2010	Ag-108m	0.00E+00	8.10E-01	2.80E+00
WD	LTW	L16595-02	5/27/2010	Ag-110m	-8.00E-01	1.20E+00	4.40E+00
WD	LTW	L16595-02	5/27/2010	Ba-140	3.30E+00	3.50E+00	1.20E+01
WD	LTW	L16595-02	5/27/2010	Be-7	-1.38E+01	9.00E+00	3.20E+01
WD	LTW	L16595-02	5/27/2010	Ce-141	4.00E-01	1.30E+00	4.50E+00
WD	LTW	L16595-02	5/27/2010	Ce-144	-3.20E+00	3.90E+00	1.30E+01
WD	LTW	L16595-02	5/27/2010	Co-57	2.60E-01	5.30E-01	1.80E+00
WD	LTW	L16595-02	5/27/2010	Co-58	1.30E+00	1.10E+00	3.80E+00
WD	LTW	L16595-02	5/27/2010	Co-60	-4.00E-01	1.20E+00	4.10E+00
WD	LTW	L16595-02	5/27/2010	Cr-51	4.90E+00	9.70E+00	3.30E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE		CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
			DATE	NUCLIDE			
WD	LTW	L16595-02	5/27/2010	Cs-134	9.20E-01	6.70E-01	2.90E+00
WD	LTW	L16595-02	5/27/2010	Cs-137	1.10E+00	1.10E+00	3.70E+00
WD	LTW	L16595-02	5/27/2010	Fe-59	6.00E-01	2.30E+00	7.90E+00
WD	LTW	L16595-02	5/27/2010	Gross Beta	1.18E+00	9.00E-01	3.00E+00
WD	LTW	L16595-02	5/27/2010	I-131	-4.00E-02	1.40E-01	8.80E-01
WD	LTW	L16595-02	5/27/2010	K-40	1.20E+01	1.70E+01	5.60E+01
WD	LTW	L16595-02	5/27/2010	La-140	3.30E+00	3.50E+00	1.20E+01
WD	LTW	L16595-02	5/27/2010	Mn-54	1.60E+00	9.00E-01	2.90E+00
WD	LTW	L16595-02	5/27/2010	Nb-95	1.90E+00	1.40E+00	4.50E+00
WD	LTW	L16595-02	5/27/2010	Ru-103	-3.30E+00	1.20E+00	4.30E+00
WD	LTW	L16595-02	5/27/2010	Ru-106	4.80E+00	8.40E+00	2.90E+01
WD	LTW	L16595-02	5/27/2010	Sb-124	1.20E+00	3.00E+00	1.00E+01
WD	LTW	L16595-02	5/27/2010	Sb-125	-1.60E+00	2.40E+00	8.20E+00
WD	LTW	L16595-02	5/27/2010	Se-75	-5.00E-01	1.00E+00	3.50E+00
WD	LTW	L16595-02	5/27/2010	Zn-65	2.00E-01	2.10E+00	7.40E+00
WD	LTW	L16595-02	5/27/2010	Zr-95	1.20E+00	2.00E+00	6.90E+00
WD	STJ	L16653-01	6/10/2010	AcTh-228	1.29E+01	3.50E+00	1.10E+01 *
WD	STJ	L16653-01	6/10/2010	Ag-108m	-7.00E-02	7.10E-01	2.40E+00
WD	STJ	L16653-01	6/10/2010	Ag-110m	9.00E-01	1.30E+00	4.30E+00
WD	STJ	L16653-01	6/10/2010	Ba-140	-3.40E+00	3.50E+00	1.30E+01
WD	STJ	L16653-01	6/10/2010	Be-7	-4.70E+00	7.60E+00	2.70E+01
WD	STJ	L16653-01	6/10/2010	Ce-141	2.00E-01	1.10E+00	3.80E+00
WD	STJ	L16653-01	6/10/2010	Ce-144	-2.20E+00	4.20E+00	1.40E+01
WD	STJ	L16653-01	6/10/2010	Co-57	5.00E-02	4.70E-01	1.60E+00
WD	STJ	L16653-01	6/10/2010	Co-58	-7.50E-01	9.60E-01	3.40E+00
WD	STJ	L16653-01	6/10/2010	Co-60	6.00E-01	1.00E+00	3.60E+00
WD	STJ	L16653-01	6/10/2010	Cr-51	-6.30E+00	8.50E+00	2.90E+01
WD	STJ	L16653-01	6/10/2010	Cs-134	-2.00E-02	7.50E-01	3.00E+00
WD	STJ	L16653-01	6/10/2010	Cs-137	-1.51E+00	9.20E-01	3.30E+00
WD	STJ	L16653-01	6/10/2010	Fe-59	1.30E+00	2.50E+00	8.60E+00
WD	STJ	L16653-01	6/10/2010	Gross Beta	1.70E+00	1.00E+00	3.30E+00
WD	STJ	L16653-01	6/10/2010	I-131	-1.30E-01	1.50E-01	8.90E-01
WD	STJ	L16653-01	6/10/2010	K-40	-3.00E+00	1.60E+01	5.60E+01
WD	STJ	L16653-01	6/10/2010	La-140	-3.40E+00	3.50E+00	1.30E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE		CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
			DATE	NUCLIDE			
WD	STJ	L16653-01	6/10/2010	Mn-54	-1.80E-01	9.60E-01	3.30E+00
WD	STJ	L16653-01	6/10/2010	Nb-95	1.70E+00	1.10E+00	3.60E+00
WD	STJ	L16653-01	6/10/2010	Ru-103	-1.20E+00	1.10E+00	3.70E+00
WD	STJ	L16653-01	6/10/2010	Ru-106	-2.40E+00	8.30E+00	2.90E+01
WD	STJ	L16653-01	6/10/2010	Sb-124	-5.00E-01	2.60E+00	9.20E+00
WD	STJ	L16653-01	6/10/2010	Sb-125	4.30E+00	2.50E+00	8.40E+00
WD	STJ	L16653-01	6/10/2010	Se-75	1.16E+00	9.30E-01	3.10E+00
WD	STJ	L16653-01	6/10/2010	Zn-65	0.00E+00	2.30E+00	8.00E+00
WD	STJ	L16653-01	6/10/2010	Zr-95	-1.00E-01	1.70E+00	5.80E+00
WD	LTW	L16653-02	6/10/2010	AcTh-228	-5.00E+00	5.30E+00	1.90E+01
WD	LTW	L16653-02	6/10/2010	Ag-108m	1.40E-01	9.90E-01	3.40E+00
WD	LTW	L16653-02	6/10/2010	Ag-110m	-3.40E+00	1.80E+00	6.80E+00
WD	LTW	L16653-02	6/10/2010	Ba-140	5.90E+00	4.30E+00	1.40E+01
WD	LTW	L16653-02	6/10/2010	Be-7	6.00E+00	1.10E+01	3.90E+01
WD	LTW	L16653-02	6/10/2010	Ce-141	1.80E+00	2.10E+00	6.90E+00
WD	LTW	L16653-02	6/10/2010	Ce-144	-1.60E+00	5.30E+00	1.80E+01
WD	LTW	L16653-02	6/10/2010	Co-57	-1.90E-01	6.80E-01	2.40E+00
WD	LTW	L16653-02	6/10/2010	Co-58	7.00E-01	1.40E+00	4.70E+00
WD	LTW	L16653-02	6/10/2010	Co-60	3.40E+00	1.50E+00	4.80E+00
WD	LTW	L16653-02	6/10/2010	Cr-51	-8.00E+00	1.20E+01	4.20E+01
WD	LTW	L16653-02	6/10/2010	Cs-134	1.10E+00	1.10E+00	4.40E+00
WD	LTW	L16653-02	6/10/2010	Cs-137	-6.00E-01	1.40E+00	5.00E+00
WD	LTW	L16653-02	6/10/2010	Fe-59	0.00E+00	3.30E+00	1.20E+01
WD	LTW	L16653-02	6/10/2010	Gross Beta	4.20E+00	1.10E+00	3.10E+00 *
WD	LTW	L16653-02	6/10/2010	I-131	-1.20E-01	1.60E-01	9.40E-01
WD	LTW	L16653-02	6/10/2010	K-40	1.20E+01	2.20E+01	7.50E+01
WD	LTW	L16653-02	6/10/2010	La-140	5.90E+00	4.30E+00	1.40E+01
WD	LTW	L16653-02	6/10/2010	Mn-54	2.00E-01	1.20E+00	4.40E+00
WD	LTW	L16653-02	6/10/2010	Nb-95	1.30E+00	1.70E+00	5.80E+00
WD	LTW	L16653-02	6/10/2010	Ru-103	-1.50E+00	1.50E+00	5.30E+00
WD	LTW	L16653-02	6/10/2010	Ru-106	-1.00E+01	1.30E+01	4.60E+01
WD	LTW	L16653-02	6/10/2010	Sb-124	-2.60E+00	4.30E+00	1.60E+01
WD	LTW	L16653-02	6/10/2010	Sb-125	-4.20E+00	3.10E+00	1.10E+01
WD	LTW	L16653-02	6/10/2010	Se-75	-2.10E+00	1.30E+00	4.70E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WD	LTW	L16653-02	6/10/2010	Zn-65	-1.60E+00	3.00E+00	1.10E+01
WD	LTW	L16653-02	6/10/2010	Zr-95	1.30E+00	2.30E+00	7.90E+00
WD	STJ	255846023	6/30/2010	Ac-228	1.15E+00	3.94E+00	8.25E+00
WD	STJ	255846023	6/30/2010	Ag-108m	1.39E-01	5.34E-01	1.73E+00
WD	STJ	255846023	6/30/2010	Ag-110m	-2.61E-01	5.47E-01	1.80E+00
WD	STJ	255846023	6/30/2010	Ba-140	1.37E+00	3.23E+00	1.10E+01
WD	STJ	255846023	6/30/2010	Be-7	-2.54E+00	5.23E+00	1.66E+01
WD	STJ	255846023	6/30/2010	Ce-141	-1.25E+00	1.10E+00	3.67E+00
WD	STJ	255846023	6/30/2010	Ce-144	4.71E-01	4.30E+00	1.36E+01
WD	STJ	255846023	6/30/2010	Co-57	2.64E-02	5.43E-01	1.73E+00
WD	STJ	255846023	6/30/2010	Co-58	-6.26E-02	5.68E-01	1.87E+00
WD	STJ	255846023	6/30/2010	Co-60	-9.98E-02	5.69E-01	1.62E+00
WD	STJ	255846023	6/30/2010	Cr-51	-6.86E+00	5.99E+00	1.93E+01
WD	STJ	255846023	6/30/2010	Cs-134	-2.34E-01	6.48E-01	2.12E+00
WD	STJ	255846023	6/30/2010	Cs-137	-1.13E-01	5.88E-01	1.95E+00
WD	STJ	255846023	6/30/2010	Fe-59	8.43E-01	1.23E+00	4.06E+00
WD	STJ	255846023	6/30/2010	Gross Beta	1.10E+00	7.73E-01	2.16E+00
WD	STJ	255846023	6/30/2010	Gross Beta	1.10E+00	7.73E-01	2.16E+00
WD	STJ	255846023	6/30/2010	I-131	-5.01E-01	1.30E+00	4.20E+00
WD	STJ	255846023	6/30/2010	K-40	4.17E-01	1.01E+01	2.59E+01
WD	STJ	255846023	6/30/2010	La-140	1.35E+00	1.08E+00	3.73E+00
WD	STJ	255846023	6/30/2010	Mn-54	2.83E-01	5.63E-01	1.88E+00
WD	STJ	255846023	6/30/2010	Nb-95	1.06E+00	5.55E-01	1.93E+00
WD	STJ	255846023	6/30/2010	Ru-103	-1.86E-01	7.31E-01	2.03E+00
WD	STJ	255846023	6/30/2010	Ru-106	-3.10E+00	4.90E+00	1.61E+01
WD	STJ	255846023	6/30/2010	Sb-124	-7.44E-01	1.41E+00	4.51E+00
WD	STJ	255846023	6/30/2010	Sb-125	2.80E+00	1.58E+00	5.29E+00
WD	STJ	255846023	6/30/2010	Se-75	-1.82E+00	1.23E+00	2.67E+00
WD	STJ	255846023	6/30/2010	Th-228	-1.49E+00	1.83E+00	4.04E+00
WD	STJ	255846023	6/30/2010	Zn-65	-1.08E+00	1.22E+00	3.81E+00
WD	STJ	255846023	6/30/2010	Zr-95	1.55E+00	9.89E-01	3.41E+00
WD	STJ	255846024	6/30/2010	I-131	1.32E-02	1.77E-01	5.98E-01
WD	LTW	255846025	6/30/2010	Ac-228	-4.17E+00	3.89E+00	7.06E+00
WD	LTW	255846025	6/30/2010	Ag-108m	-1.64E-01	6.92E-01	1.52E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WD	LTW	255846025	6/30/2010	Ag-110m	-3.68E+00	5.51E-01	1.46E+00
WD	LTW	255846025	6/30/2010	Ba-140	4.42E+00	3.02E+00	9.81E+00
WD	LTW	255846025	6/30/2010	Be-7	1.50E+00	4.54E+00	1.49E+01
WD	LTW	255846025	6/30/2010	Ce-141	1.17E+00	9.63E-01	3.17E+00
WD	LTW	255846025	6/30/2010	Ce-144	-1.63E+00	3.44E+00	1.11E+01
WD	LTW	255846025	6/30/2010	Co-57	1.01E-01	4.47E-01	1.46E+00
WD	LTW	255846025	6/30/2010	Co-58	-2.95E-01	4.59E-01	1.48E+00
WD	LTW	255846025	6/30/2010	Co-60	4.47E-01	4.80E-01	1.66E+00
WD	LTW	255846025	6/30/2010	Cr-51	-8.76E-01	5.15E+00	1.71E+01
WD	LTW	255846025	6/30/2010	Cs-134	3.65E-01	5.86E-01	1.98E+00
WD	LTW	255846025	6/30/2010	Cs-137	-1.35E+00	1.05E+00	2.27E+00
WD	LTW	255846025	6/30/2010	Fe-59	4.99E-01	1.09E+00	3.58E+00
WD	LTW	255846025	6/30/2010	Gross Beta	1.04E+00	8.11E-01	2.33E+00
WD	LTW	255846025	6/30/2010	I-131	7.76E-01	1.11E+00	3.71E+00
WD	LTW	255846025	6/30/2010	K-40	-1.77E+01	1.11E+01	2.01E+01
WD	LTW	255846025	6/30/2010	La-140	-3.49E-01	1.05E+00	3.40E+00
WD	LTW	255846025	6/30/2010	Mn-54	-7.93E-01	4.69E-01	1.45E+00
WD	LTW	255846025	6/30/2010	Nb-95	7.60E-01	4.98E-01	1.72E+00
WD	LTW	255846025	6/30/2010	Ru-103	-1.80E+00	6.04E-01	1.77E+00
WD	LTW	255846025	6/30/2010	Ru-106	-3.35E+00	4.41E+00	1.46E+01
WD	LTW	255846025	6/30/2010	Sb-124	-1.87E+00	1.35E+00	4.09E+00
WD	LTW	255846025	6/30/2010	Sb-125	1.05E+00	1.30E+00	4.34E+00
WD	LTW	255846025	6/30/2010	Se-75	5.28E-02	6.87E-01	2.32E+00
WD	LTW	255846025	6/30/2010	Th-228	-2.11E+00	1.60E+00	3.56E+00
WD	LTW	255846025	6/30/2010	Zn-65	-1.31E+00	1.02E+00	3.10E+00
WD	LTW	255846025	6/30/2010	Zr-95	6.64E-01	8.93E-01	3.03E+00
WD	LTW	255846026	6/30/2010	I-131	2.74E-01	2.07E-01	6.99E-01
WD	STJ	256625023	7/14/2010	Ac-228	-1.18E+01	4.51E+00	8.29E+00
WD	STJ	256625023	7/14/2010	Ag-108m	-3.08E-01	5.36E-01	1.72E+00
WD	STJ	256625023	7/14/2010	Ag-110m	-1.96E+00	6.21E-01	1.88E+00
WD	STJ	256625023	7/14/2010	Ba-140	-7.28E-01	2.24E+00	7.11E+00
WD	STJ	256625023	7/14/2010	Be-7	9.96E-01	4.71E+00	1.54E+01
WD	STJ	256625023	7/14/2010	Ce-141	-6.05E-02	9.69E-01	3.13E+00
WD	STJ	256625023	7/14/2010	Ce-144	3.62E+00	3.88E+00	1.28E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WD	STJ	256625023	7/14/2010	Co-57	5.22E-01	5.07E-01	1.68E+00
WD	STJ	256625023	7/14/2010	Co-58	1.02E+00	5.41E-01	1.90E+00
WD	STJ	256625023	7/14/2010	Co-60	1.42E-01	5.65E-01	1.90E+00
WD	STJ	256625023	7/14/2010	Cr-51	1.14E+00	5.15E+00	1.72E+01
WD	STJ	256625023	7/14/2010	Cs-134	7.16E-01	6.98E-01	2.39E+00
WD	STJ	256625023	7/14/2010	Cs-137	-2.23E+00	1.06E+00	2.59E+00
WD	STJ	256625023	7/14/2010	Fe-59	-3.72E-01	1.05E+00	3.33E+00
WD	STJ	256625023	7/14/2010	Gross Beta	2.20E+00	9.98E-01	2.65E+00
WD	STJ	256625023	7/14/2010	Gross Beta	2.20E+00	9.98E-01	2.65E+00
WD	STJ	256625023	7/14/2010	I-131	-1.88E-01	7.02E-01	2.30E+00
WD	STJ	256625023	7/14/2010	K-40	-7.42E+00	9.44E+00	2.60E+01
WD	STJ	256625023	7/14/2010	La-140	4.49E-01	7.71E-01	2.60E+00
WD	STJ	256625023	7/14/2010	Mn-54	-5.33E-01	5.45E-01	1.73E+00
WD	STJ	256625023	7/14/2010	Nb-95	2.76E-01	5.43E-01	1.83E+00
WD	STJ	256625023	7/14/2010	Ru-103	-1.43E+00	6.30E-01	1.88E+00
WD	STJ	256625023	7/14/2010	Ru-106	1.95E+00	5.49E+00	1.87E+01
WD	STJ	256625023	7/14/2010	Sb-124	-4.29E-01	1.46E+00	4.67E+00
WD	STJ	256625023	7/14/2010	Sb-125	1.40E-01	1.68E+00	5.50E+00
WD	STJ	256625023	7/14/2010	Se-75	1.15E+00	7.88E-01	2.72E+00
WD	STJ	256625023	7/14/2010	Th-228	-1.45E+00	1.59E+00	4.18E+00
WD	STJ	256625023	7/14/2010	Zn-65	1.24E-01	1.19E+00	3.85E+00
WD	STJ	256625023	7/14/2010	Zr-95	-1.23E+00	9.83E-01	3.11E+00
WD	STJ	256625024	7/14/2010	I-131	-1.60E-03	1.22E-01	4.02E-01
WD	LTW	256625025	7/14/2010	Ac-228	-4.81E+00	3.70E+00	9.55E+00
WD	LTW	256625025	7/14/2010	Ag-108m	1.57E-01	5.78E-01	1.88E+00
WD	LTW	256625025	7/14/2010	Ag-110m	-2.45E-01	5.56E-01	1.81E+00
WD	LTW	256625025	7/14/2010	Ba-140	-2.57E+00	2.39E+00	7.64E+00
WD	LTW	256625025	7/14/2010	Be-7	-7.88E+00	4.88E+00	1.58E+01
WD	LTW	256625025	7/14/2010	Ce-141	1.20E+00	1.06E+00	3.45E+00
WD	LTW	256625025	7/14/2010	Ce-144	-7.05E+00	4.48E+00	1.39E+01
WD	LTW	256625025	7/14/2010	Co-57	-2.23E-01	5.61E-01	1.80E+00
WD	LTW	256625025	7/14/2010	Co-58	7.91E-01	6.22E-01	2.11E+00
WD	LTW	256625025	7/14/2010	Co-60	1.49E-01	7.30E-01	2.41E+00
WD	LTW	256625025	7/14/2010	Cr-51	2.99E+00	5.46E+00	1.81E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WD	LTW	256625025	7/14/2010	Cs-134	1.44E+00	6.78E-01	2.38E+00
WD	LTW	256625025	7/14/2010	Cs-137	-4.61E-01	6.47E-01	2.09E+00
WD	LTW	256625025	7/14/2010	Fe-59	1.55E+00	1.17E+00	4.09E+00
WD	LTW	256625025	7/14/2010	Gross Beta	1.04E+00	9.00E-01	2.65E+00
WD	LTW	256625025	7/14/2010	Gross Beta	1.04E+00	9.00E-01	2.65E+00
WD	LTW	256625025	7/14/2010	I-131	9.03E-01	7.78E-01	2.60E+00
WD	LTW	256625025	7/14/2010	K-40	2.74E+01	7.65E+00	2.81E+01 *
WD	LTW	256625025	7/14/2010	La-140	7.77E-01	7.87E-01	2.76E+00
WD	LTW	256625025	7/14/2010	Mn-54	1.26E-02	6.17E-01	2.00E+00
WD	LTW	256625025	7/14/2010	Nb-95	-2.49E-01	5.82E-01	1.87E+00
WD	LTW	256625025	7/14/2010	Ru-103	-1.61E+00	6.08E-01	1.88E+00
WD	LTW	256625025	7/14/2010	Ru-106	7.57E+00	5.31E+00	1.83E+01
WD	LTW	256625025	7/14/2010	Sb-124	1.10E+00	1.38E+00	4.80E+00
WD	LTW	256625025	7/14/2010	Sb-125	3.73E+00	1.76E+00	5.94E+00
WD	LTW	256625025	7/14/2010	Se-75	-3.48E-02	8.43E-01	2.80E+00
WD	LTW	256625025	7/14/2010	Th-228	-2.00E+00	1.76E+00	4.41E+00
WD	LTW	256625025	7/14/2010	Zn-65	-1.92E+00	1.29E+00	4.00E+00
WD	LTW	256625025	7/14/2010	Zr-95	-4.23E-01	1.06E+00	3.41E+00
WD	LTW	256625026	7/14/2010	I-131	2.79E-01	1.64E-01	5.57E-01
WD	STJ	257551023	7/28/2010	Ac-228	-5.89E-01	3.93E+00	8.39E+00
WD	STJ	257551023	7/28/2010	Ag-108m	-1.34E-01	5.22E-01	1.68E+00
WD	STJ	257551023	7/28/2010	Ag-110m	-9.19E-01	5.40E-01	1.72E+00
WD	STJ	257551023	7/28/2010	Ba-140	6.81E-01	3.11E+00	1.05E+01
WD	STJ	257551023	7/28/2010	Be-7	-8.20E+00	5.43E+00	1.68E+01
WD	STJ	257551023	7/28/2010	Ce-141	1.03E+00	1.15E+00	3.80E+00
WD	STJ	257551023	7/28/2010	Ce-144	6.56E+00	4.27E+00	1.37E+01
WD	STJ	257551023	7/28/2010	Co-57	4.73E-01	5.57E-01	1.79E+00
WD	STJ	257551023	7/28/2010	Co-58	4.18E-01	5.44E-01	1.83E+00
WD	STJ	257551023	7/28/2010	Co-60	-4.24E-01	5.43E-01	1.76E+00
WD	STJ	257551023	7/28/2010	Cr-51	1.89E+00	5.91E+00	1.95E+01
WD	STJ	257551023	7/28/2010	Cs-134	3.68E-01	6.81E-01	2.28E+00
WD	STJ	257551023	7/28/2010	Cs-137	9.11E-01	5.78E-01	2.00E+00
WD	STJ	257551023	7/28/2010	Fe-59	8.20E-01	1.16E+00	3.85E+00
WD	STJ	257551023	7/28/2010	Gross Beta	2.01E+00	9.41E-01	2.42E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WD	STJ	257551023	7/28/2010	Gross Beta	2.01E+00	9.41E-01	2.42E+00
WD	STJ	257551023	7/28/2010	I-131	-1.19E+00	1.27E+00	4.07E+00
WD	STJ	257551023	7/28/2010	K-40	-1.06E+01	1.14E+01	2.57E+01
WD	STJ	257551023	7/28/2010	La-140	2.34E-01	1.09E+00	3.61E+00
WD	STJ	257551023	7/28/2010	Mn-54	-4.65E-01	5.63E-01	1.81E+00
WD	STJ	257551023	7/28/2010	Nb-95	-7.63E-02	5.99E-01	1.97E+00
WD	STJ	257551023	7/28/2010	Ru-103	-1.38E+00	6.71E-01	2.03E+00
WD	STJ	257551023	7/28/2010	Ru-106	3.65E-01	5.04E+00	1.69E+01
WD	STJ	257551023	7/28/2010	Sb-124	-1.08E+00	1.39E+00	4.40E+00
WD	STJ	257551023	7/28/2010	Sb-125	3.03E-01	1.59E+00	5.17E+00
WD	STJ	257551023	7/28/2010	Se-75	1.18E+00	8.10E-01	2.73E+00
WD	STJ	257551023	7/28/2010	Th-228	-1.45E+00	1.82E+00	4.14E+00
WD	STJ	257551023	7/28/2010	Zn-65	-3.96E+00	1.18E+00	3.29E+00
WD	STJ	257551023	7/28/2010	Zr-95	-3.46E-01	1.05E+00	3.44E+00
WD	STJ	257551024	7/28/2010	I-131	-2.58E-01	1.79E-01	5.56E-01
WD	LTW	257551025	7/28/2010	Ac-228	-1.07E+01	4.70E+00	7.46E+00
WD	LTW	257551025	7/28/2010	Ag-108m	-7.46E-01	4.60E-01	1.44E+00
WD	LTW	257551025	7/28/2010	Ag-110m	4.73E-01	4.97E-01	1.70E+00
WD	LTW	257551025	7/28/2010	Ba-140	-5.50E-01	3.00E+00	9.58E+00
WD	LTW	257551025	7/28/2010	Be-7	-3.16E+00	4.59E+00	1.46E+01
WD	LTW	257551025	7/28/2010	Ce-141	-9.43E-01	9.83E-01	3.12E+00
WD	LTW	257551025	7/28/2010	Ce-144	3.58E+00	3.56E+00	1.16E+01
WD	LTW	257551025	7/28/2010	Co-57	4.25E-01	4.45E-01	1.46E+00
WD	LTW	257551025	7/28/2010	Co-58	-6.94E-01	4.97E-01	1.57E+00
WD	LTW	257551025	7/28/2010	Co-60	2.39E-01	5.37E-01	1.81E+00
WD	LTW	257551025	7/28/2010	Cr-51	1.33E+00	5.15E+00	1.72E+01
WD	LTW	257551025	7/28/2010	Cs-134	6.22E-01	5.85E-01	1.99E+00
WD	LTW	257551025	7/28/2010	Cs-137	-6.55E-01	5.18E-01	1.68E+00
WD	LTW	257551025	7/28/2010	Fe-59	-1.11E+00	1.07E+00	3.31E+00
WD	LTW	257551025	7/28/2010	Gross Beta	2.30E-01	7.02E-01	2.23E+00
WD	LTW	257551025	7/28/2010	Gross Beta	2.30E-01	7.02E-01	2.23E+00
WD	LTW	257551025	7/28/2010	I-131	4.09E-01	1.12E+00	3.70E+00
WD	LTW	257551025	7/28/2010	K-40	1.86E+01	1.28E+01	2.63E+01
WD	LTW	257551025	7/28/2010	La-140	-1.18E+00	1.01E+00	3.12E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WD	LTW	257551025	7/28/2010	Mn-54	-8.03E-01	7.30E-01	1.68E+00
WD	LTW	257551025	7/28/2010	Nb-95	1.38E+00	5.43E-01	1.90E+00
WD	LTW	257551025	7/28/2010	Ru-103	-6.41E-01	5.69E-01	1.78E+00
WD	LTW	257551025	7/28/2010	Ru-106	-3.00E+00	4.36E+00	1.44E+01
WD	LTW	257551025	7/28/2010	Sb-124	-1.41E-01	1.34E+00	4.35E+00
WD	LTW	257551025	7/28/2010	Sb-125	1.72E-01	1.38E+00	4.52E+00
WD	LTW	257551025	7/28/2010	Se-75	-4.78E-01	6.78E-01	2.25E+00
WD	LTW	257551025	7/28/2010	Th-228	-2.26E+00	1.59E+00	3.52E+00
WD	LTW	257551025	7/28/2010	Zn-65	-3.74E+00	1.17E+00	3.29E+00
WD	LTW	257551025	7/28/2010	Zr-95	-8.06E-01	1.88E+00	3.15E+00
WD	LTW	257551026	7/28/2010	I-131	-1.23E-02	1.40E-01	4.71E-01
WD	STJ	258806023	8/11/2010	Ac-228	-1.86E+00	3.73E+00	9.27E+00
WD	STJ	258806023	8/11/2010	Ag-108m	5.82E-01	5.87E-01	1.97E+00
WD	STJ	258806023	8/11/2010	Ag-110m	-2.85E+00	7.17E-01	2.08E+00
WD	STJ	258806023	8/11/2010	Ba-140	4.55E+00	3.38E+00	1.11E+01
WD	STJ	258806023	8/11/2010	Be-7	-1.05E+01	5.67E+00	1.72E+01
WD	STJ	258806023	8/11/2010	Ce-141	-1.54E+00	1.15E+00	3.62E+00
WD	STJ	258806023	8/11/2010	Ce-144	-5.25E+00	4.60E+00	1.38E+01
WD	STJ	258806023	8/11/2010	Co-57	-3.67E-01	5.52E-01	1.78E+00
WD	STJ	258806023	8/11/2010	Co-58	-1.67E+00	6.33E-01	1.84E+00
WD	STJ	258806023	8/11/2010	Co-60	4.23E-01	6.92E-01	2.37E+00
WD	STJ	258806023	8/11/2010	Cr-51	7.81E+00	5.75E+00	1.98E+01
WD	STJ	258806023	8/11/2010	Cs-134	2.18E+00	7.68E-01	2.79E+00
WD	STJ	258806023	8/11/2010	Cs-137	4.70E-02	1.10E+00	3.04E+00
WD	STJ	258806023	8/11/2010	Fe-59	5.58E-01	1.39E+00	4.56E+00
WD	STJ	258806023	8/11/2010	Gross Beta	9.94E-01	1.11E+00	3.43E+00
WD	STJ	258806023	8/11/2010	Gross Beta	9.94E-01	1.11E+00	3.43E+00
WD	STJ	258806023	8/11/2010	I-131	6.31E-01	1.13E+00	3.79E+00
WD	STJ	258806023	8/11/2010	K-40	9.25E+00	1.00E+01	3.04E+01
WD	STJ	258806023	8/11/2010	La-140	-1.35E+00	1.12E+00	3.39E+00
WD	STJ	258806023	8/11/2010	Mn-54	2.88E-02	5.88E-01	1.94E+00
WD	STJ	258806023	8/11/2010	Nb-95	-3.83E-02	6.04E-01	2.00E+00
WD	STJ	258806023	8/11/2010	Ru-103	-7.48E-01	7.47E-01	2.34E+00
WD	STJ	258806023	8/11/2010	Ru-106	2.10E+00	5.58E+00	1.90E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WD	STJ	258806023	8/11/2010	Sb-124	2.32E-02	1.62E+00	5.28E+00
WD	STJ	258806023	8/11/2010	Sb-125	2.03E+00	1.74E+00	5.88E+00
WD	STJ	258806023	8/11/2010	Se-75	-9.98E-01	8.50E-01	2.79E+00
WD	STJ	258806023	8/11/2010	Th-228	-2.08E+00	1.80E+00	4.41E+00
WD	STJ	258806023	8/11/2010	Zn-65	-1.57E+00	1.34E+00	4.06E+00
WD	STJ	258806023	8/11/2010	Zr-95	-1.49E+00	1.11E+00	3.48E+00
WD	STJ	258806024	8/11/2010	I-131	1.89E-01	1.94E-01	6.54E-01
WD	LTW	258806025	8/11/2010	Ac-228	-2.13E+00	3.30E+00	8.43E+00
WD	LTW	258806025	8/11/2010	Ag-108m	7.79E-02	4.89E-01	1.64E+00
WD	LTW	258806025	8/11/2010	Ag-110m	1.19E-01	5.27E-01	1.72E+00
WD	LTW	258806025	8/11/2010	Ba-140	-3.10E+00	2.90E+00	9.06E+00
WD	LTW	258806025	8/11/2010	Be-7	-3.52E+00	4.98E+00	1.62E+01
WD	LTW	258806025	8/11/2010	Ce-141	-1.09E+00	1.41E+00	3.46E+00
WD	LTW	258806025	8/11/2010	Ce-144	2.17E+00	3.79E+00	1.28E+01
WD	LTW	258806025	8/11/2010	Co-57	-1.61E-01	4.95E-01	1.66E+00
WD	LTW	258806025	8/11/2010	Co-58	-4.77E-01	5.14E-01	1.67E+00
WD	LTW	258806025	8/11/2010	Co-60	6.30E-01	5.70E-01	1.95E+00
WD	LTW	258806025	8/11/2010	Cr-51	1.35E+00	5.53E+00	1.77E+01
WD	LTW	258806025	8/11/2010	Cs-134	-1.92E+00	1.02E+00	2.32E+00
WD	LTW	258806025	8/11/2010	Cs-137	-3.63E-01	5.59E-01	1.77E+00
WD	LTW	258806025	8/11/2010	Fe-59	-7.39E-01	1.13E+00	3.59E+00
WD	LTW	258806025	8/11/2010	Gross Beta	5.36E-03	1.13E+00	3.71E+00
WD	LTW	258806025	8/11/2010	Gross Beta	5.36E-03	1.13E+00	3.71E+00
WD	LTW	258806025	8/11/2010	I-131	5.99E-01	9.97E-01	3.42E+00
WD	LTW	258806025	8/11/2010	K-40	6.65E+00	1.01E+01	2.94E+01
WD	LTW	258806025	8/11/2010	La-140	1.60E-01	9.55E-01	3.21E+00
WD	LTW	258806025	8/11/2010	Mn-54	1.53E-01	5.21E-01	1.77E+00
WD	LTW	258806025	8/11/2010	Nb-95	-6.43E-01	7.79E-01	1.98E+00
WD	LTW	258806025	8/11/2010	Ru-103	-7.55E-01	6.10E-01	1.94E+00
WD	LTW	258806025	8/11/2010	Ru-106	3.95E+00	4.81E+00	1.61E+01
WD	LTW	258806025	8/11/2010	Sb-124	-6.88E-01	1.46E+00	4.73E+00
WD	LTW	258806025	8/11/2010	Sb-125	-1.29E+00	1.47E+00	4.80E+00
WD	LTW	258806025	8/11/2010	Se-75	8.38E-01	8.03E-01	2.64E+00
WD	LTW	258806025	8/11/2010	Th-228	1.10E+00	1.70E+00	4.22E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TYPE	STATION	LSN	DATE				
WD	LTW	258806025	8/11/2010	Zn-65	-4.58E+00	1.48E+00	3.56E+00
WD	LTW	258806025	8/11/2010	Zr-95	1.38E+00	1.03E+00	3.46E+00
WD	LTW	258806026	8/11/2010	I-131	1.96E-01	1.53E-01	5.14E-01
WD	STJ	266351001	9/30/2010	H-3	1.98E+02	1.59E+02	4.88E+02
WD	LTW	266351002	9/30/2010	H-3	1.01E+02	1.56E+02	4.96E+02
WD	STJ	259725023	8/25/2010	Ac-228	-5.26E+00	3.79E+00	9.56E+00
WD	STJ	259725023	8/25/2010	Ag-108m	-7.41E-01	5.58E-01	1.74E+00
WD	STJ	259725023	8/25/2010	Ag-110m	1.47E-02	5.65E-01	1.89E+00
WD	STJ	259725023	8/25/2010	Ba-140	5.81E+00	3.56E+00	1.16E+01
WD	STJ	259725023	8/25/2010	Be-7	-1.20E+01	5.79E+00	1.75E+01
WD	STJ	259725023	8/25/2010	Ce-141	-1.39E+00	1.25E+00	3.93E+00
WD	STJ	259725023	8/25/2010	Ce-144	-4.57E+00	4.57E+00	1.45E+01
WD	STJ	259725023	8/25/2010	Co-57	-4.33E-01	5.88E-01	1.88E+00
WD	STJ	259725023	8/25/2010	Co-58	-2.56E-01	6.38E-01	2.07E+00
WD	STJ	259725023	8/25/2010	Co-60	-2.29E-01	7.18E-01	2.35E+00
WD	STJ	259725023	8/25/2010	Cr-51	-8.62E+00	6.37E+00	2.05E+01
WD	STJ	259725023	8/25/2010	Cs-134	9.67E-02	7.30E-01	2.42E+00
WD	STJ	259725023	8/25/2010	Cs-137	-3.33E-01	6.61E-01	2.18E+00
WD	STJ	259725023	8/25/2010	Fe-59	-5.02E-01	1.31E+00	4.16E+00
WD	STJ	259725023	8/25/2010	Gross Beta	1.59E+00	9.35E-01	2.61E+00
WD	STJ	259725023	8/25/2010	Gross Beta	1.59E+00	9.35E-01	2.61E+00
WD	STJ	259725023	8/25/2010	I-131	-1.80E-01	1.23E+00	4.03E+00
WD	STJ	259725023	8/25/2010	K-40	-6.79E+00	1.16E+01	3.38E+01
WD	STJ	259725023	8/25/2010	La-140	-2.24E+00	1.15E+00	3.32E+00
WD	STJ	259725023	8/25/2010	Mn-54	4.12E-02	6.56E-01	2.16E+00
WD	STJ	259725023	8/25/2010	Nb-95	1.12E-01	6.56E-01	2.19E+00
WD	STJ	259725023	8/25/2010	Ru-103	-1.51E+00	7.48E-01	2.25E+00
WD	STJ	259725023	8/25/2010	Ru-106	8.87E+00	5.57E+00	1.96E+01
WD	STJ	259725023	8/25/2010	Sb-124	1.45E-01	1.65E+00	5.40E+00
WD	STJ	259725023	8/25/2010	Sb-125	-2.15E+00	1.80E+00	5.66E+00
WD	STJ	259725023	8/25/2010	Se-75	4.65E-01	8.38E-01	2.84E+00
WD	STJ	259725023	8/25/2010	Th-228	1.34E+00	1.89E+00	4.68E+00
WD	STJ	259725023	8/25/2010	Zn-65	-4.76E+00	1.41E+00	3.71E+00
WD	STJ	259725023	8/25/2010	Zr-95	-2.42E+00	1.15E+00	3.51E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WD	STJ	259725024	8/25/2010	I-131	-2.42E-01	1.94E-01	6.06E-01
WD	LTW	259725025	8/25/2010	Ac-228	-4.30E+00	3.68E+00	7.78E+00
WD	LTW	259725025	8/25/2010	Ag-108m	-3.76E-01	4.75E-01	1.57E+00
WD	LTW	259725025	8/25/2010	Ag-110m	-6.36E-02	5.28E-01	1.71E+00
WD	LTW	259725025	8/25/2010	Ba-140	6.79E-01	2.72E+00	9.09E+00
WD	LTW	259725025	8/25/2010	Be-7	-7.18E-01	4.16E+00	1.39E+01
WD	LTW	259725025	8/25/2010	Ce-141	-7.56E-01	9.23E-01	3.07E+00
WD	LTW	259725025	8/25/2010	Ce-144	-2.15E+00	3.30E+00	1.10E+01
WD	LTW	259725025	8/25/2010	Co-57	2.65E-01	4.34E-01	1.49E+00
WD	LTW	259725025	8/25/2010	Co-58	-7.94E-01	5.79E-01	1.74E+00
WD	LTW	259725025	8/25/2010	Co-60	6.93E-01	5.95E-01	2.04E+00
WD	LTW	259725025	8/25/2010	Cr-51	-1.00E+01	4.98E+00	1.49E+01
WD	LTW	259725025	8/25/2010	Cs-134	-9.60E-01	6.47E-01	1.93E+00
WD	LTW	259725025	8/25/2010	Cs-137	2.74E-01	5.74E-01	1.90E+00
WD	LTW	259725025	8/25/2010	Fe-59	-5.97E-01	1.10E+00	3.53E+00
WD	LTW	259725025	8/25/2010	Gross Beta	-4.75E-02	7.23E-01	2.38E+00
WD	LTW	259725025	8/25/2010	Gross Beta	-4.75E-02	7.23E-01	2.38E+00
WD	LTW	259725025	8/25/2010	I-131	1.51E+00	1.02E+00	3.36E+00
WD	LTW	259725025	8/25/2010	K-40	3.30E+01	7.03E+00	2.65E+01 *
WD	LTW	259725025	8/25/2010	La-140	1.37E+00	8.67E-01	3.13E+00
WD	LTW	259725025	8/25/2010	Mn-54	-1.22E+00	5.30E-01	1.63E+00
WD	LTW	259725025	8/25/2010	Nb-95	-9.97E-01	7.39E-01	1.71E+00
WD	LTW	259725025	8/25/2010	Ru-103	-1.32E+00	5.47E-01	1.66E+00
WD	LTW	259725025	8/25/2010	Ru-106	-1.08E+00	4.83E+00	1.57E+01
WD	LTW	259725025	8/25/2010	Sb-124	-4.75E-01	1.31E+00	4.28E+00
WD	LTW	259725025	8/25/2010	Sb-125	-2.05E+00	1.45E+00	4.71E+00
WD	LTW	259725025	8/25/2010	Se-75	8.39E-01	7.07E-01	2.36E+00
WD	LTW	259725025	8/25/2010	Th-228	8.30E-02	1.44E+00	3.77E+00
WD	LTW	259725025	8/25/2010	Zn-65	-1.86E+00	1.06E+00	3.18E+00
WD	LTW	259725025	8/25/2010	Zr-95	4.62E-02	9.43E-01	3.05E+00
WD	LTW	259725026	8/25/2010	I-131	4.99E-02	1.71E-01	5.70E-01
WD	STJ	260507023	9/8/2010	Ac-228	-5.74E+00	3.78E+00	8.21E+00
WD	STJ	260507023	9/8/2010	Ag-108m	1.42E-02	5.39E-01	1.74E+00
WD	STJ	260507023	9/8/2010	Ag-110m	8.89E-02	5.48E-01	1.83E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WD	STJ	260507023	9/8/2010	Ba-140	-4.46E+00	4.04E+00	9.38E+00
WD	STJ	260507023	9/8/2010	Be-7	-1.08E+00	5.12E+00	1.63E+01
WD	STJ	260507023	9/8/2010	Ce-141	2.89E-01	1.06E+00	3.43E+00
WD	STJ	260507023	9/8/2010	Ce-144	-2.98E+00	4.03E+00	1.28E+01
WD	STJ	260507023	9/8/2010	Co-57	-7.60E-01	4.90E-01	1.54E+00
WD	STJ	260507023	9/8/2010	Co-58	6.45E-01	5.85E-01	1.99E+00
WD	STJ	260507023	9/8/2010	Co-60	-1.63E-01	5.89E-01	1.91E+00
WD	STJ	260507023	9/8/2010	Cr-51	-9.57E+00	5.52E+00	1.74E+01
WD	STJ	260507023	9/8/2010	Cs-134	1.23E+00	7.27E-01	2.52E+00
WD	STJ	260507023	9/8/2010	Cs-137	-9.19E-01	6.09E-01	1.92E+00
WD	STJ	260507023	9/8/2010	Fe-59	1.51E+00	1.12E+00	3.94E+00
WD	STJ	260507023	9/8/2010	Gross Beta	1.36E+00	8.21E-01	2.23E+00
WD	STJ	260507023	9/8/2010	Gross Beta	1.36E+00	8.21E-01	2.23E+00
WD	STJ	260507023	9/8/2010	I-131	-5.64E-01	1.04E+00	3.36E+00
WD	STJ	260507023	9/8/2010	K-40	1.91E+01	1.06E+01	2.07E+01
WD	STJ	260507023	9/8/2010	La-140	1.49E-01	1.06E+00	3.47E+00
WD	STJ	260507023	9/8/2010	Mn-54	-1.32E+00	6.20E-01	1.85E+00
WD	STJ	260507023	9/8/2010	Nb-95	-1.32E-01	5.96E-01	1.94E+00
WD	STJ	260507023	9/8/2010	Ru-103	-1.77E+00	6.75E-01	1.95E+00
WD	STJ	260507023	9/8/2010	Ru-106	-1.29E+01	5.27E+00	1.61E+01
WD	STJ	260507023	9/8/2010	Sb-124	-2.36E-01	1.47E+00	4.87E+00
WD	STJ	260507023	9/8/2010	Sb-125	-2.67E+00	1.66E+00	5.10E+00
WD	STJ	260507023	9/8/2010	Se-75	1.05E+00	8.10E-01	2.76E+00
WD	STJ	260507023	9/8/2010	Th-228	-5.77E-01	1.70E+00	4.49E+00
WD	STJ	260507023	9/8/2010	Zn-65	-1.27E+00	1.57E+00	4.29E+00
WD	STJ	260507023	9/8/2010	Zr-95	5.37E-01	9.81E-01	3.30E+00
WD	STJ	260507024	9/8/2010	I-131	3.60E-01	1.83E-01	6.16E-01
WD	LTW	260507025	9/8/2010	Ac-228	-4.30E+00	3.66E+00	7.85E+00
WD	LTW	260507025	9/8/2010	Ag-108m	-2.49E-01	4.52E-01	1.50E+00
WD	LTW	260507025	9/8/2010	Ag-110m	-8.01E-01	5.21E-01	1.60E+00
WD	LTW	260507025	9/8/2010	Ba-140	-2.44E+00	2.57E+00	8.14E+00
WD	LTW	260507025	9/8/2010	Be-7	2.45E+00	4.58E+00	1.56E+01
WD	LTW	260507025	9/8/2010	Ce-141	-2.63E+00	1.30E+00	2.98E+00
WD	LTW	260507025	9/8/2010	Ce-144	-3.35E+00	3.32E+00	1.10E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TYPE	STATION	LSN	DATE				
WD	LTW	260507025	9/8/2010	Co-57	-1.51E-01	4.33E-01	1.47E+00
WD	LTW	260507025	9/8/2010	Co-58	8.38E-02	5.39E-01	1.74E+00
WD	LTW	260507025	9/8/2010	Co-60	1.66E-01	5.55E-01	1.83E+00
WD	LTW	260507025	9/8/2010	Cr-51	1.42E+00	5.18E+00	1.67E+01
WD	LTW	260507025	9/8/2010	Cs-134	4.77E-01	6.51E-01	2.15E+00
WD	LTW	260507025	9/8/2010	Cs-137	-3.72E-01	8.29E-01	1.89E+00
WD	LTW	260507025	9/8/2010	Fe-59	1.53E+00	1.01E+00	3.55E+00
WD	LTW	260507025	9/8/2010	Gross Beta	1.70E+00	8.30E-01	2.15E+00
WD	LTW	260507025	9/8/2010	Gross Beta	1.70E+00	8.30E-01	2.15E+00
WD	LTW	260507025	9/8/2010	I-131	1.66E+00	8.97E-01	2.99E+00
WD	LTW	260507025	9/8/2010	K-40	4.50E+00	9.61E+00	2.80E+01
WD	LTW	260507025	9/8/2010	La-140	-3.50E-01	9.21E-01	3.02E+00
WD	LTW	260507025	9/8/2010	Mn-54	-1.28E-01	5.20E-01	1.74E+00
WD	LTW	260507025	9/8/2010	Nb-95	-8.27E-01	8.50E-01	1.82E+00
WD	LTW	260507025	9/8/2010	Ru-103	-1.54E-01	5.51E-01	1.82E+00
WD	LTW	260507025	9/8/2010	Ru-106	7.67E+00	4.86E+00	1.67E+01
WD	LTW	260507025	9/8/2010	Sb-124	-3.97E-01	1.32E+00	4.32E+00
WD	LTW	260507025	9/8/2010	Sb-125	3.53E-01	1.38E+00	4.68E+00
WD	LTW	260507025	9/8/2010	Se-75	-3.72E-01	6.94E-01	2.22E+00
WD	LTW	260507025	9/8/2010	Th-228	-6.42E-01	1.44E+00	3.73E+00
WD	LTW	260507025	9/8/2010	Zn-65	-1.27E+00	1.05E+00	3.27E+00
WD	LTW	260507025	9/8/2010	Zr-95	6.30E-01	9.64E-01	3.19E+00
WD	LTW	260507026	9/8/2010	I-131	-1.67E-03	1.29E-01	4.36E-01
WD	LTW	261434023	9/22/2010	Ac-228	-3.08E+00	4.33E+00	1.16E+01
WD	LTW	261434023	9/22/2010	Ag-108m	2.16E-01	5.72E-01	1.91E+00
WD	LTW	261434023	9/22/2010	Ag-110m	4.73E-01	6.44E-01	2.12E+00
WD	LTW	261434023	9/22/2010	Ba-140	8.25E-01	3.80E+00	1.25E+01
WD	LTW	261434023	9/22/2010	Be-7	-1.00E+01	5.92E+00	1.85E+01
WD	LTW	261434023	9/22/2010	Ce-141	7.77E-01	9.92E-01	3.30E+00
WD	LTW	261434023	9/22/2010	Ce-144	1.64E+00	3.51E+00	1.17E+01
WD	LTW	261434023	9/22/2010	Co-57	-3.50E-01	4.36E-01	1.43E+00
WD	LTW	261434023	9/22/2010	Co-58	-4.51E-01	7.13E-01	2.33E+00
WD	LTW	261434023	9/22/2010	Co-60	-6.48E-01	7.68E-01	2.48E+00
WD	LTW	261434023	9/22/2010	Cr-51	-1.36E+01	5.91E+00	1.88E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WD	LTW	261434023	9/22/2010	Cs-134	-5.26E-01	8.68E-01	2.84E+00
WD	LTW	261434023	9/22/2010	Cs-137	5.31E-01	7.40E-01	2.43E+00
WD	LTW	261434023	9/22/2010	Fe-59	-7.11E-01	1.67E+00	5.35E+00
WD	LTW	261434023	9/22/2010	Gross Beta	3.08E+00	1.45E+00	3.95E+00
WD	LTW	261434023	9/22/2010	Gross Beta	3.08E+00	1.45E+00	3.95E+00
WD	LTW	261434023	9/22/2010	I-131	-1.44E+00	1.33E+00	4.34E+00
WD	LTW	261434023	9/22/2010	K-40	-4.64E+00	1.12E+01	3.01E+01
WD	LTW	261434023	9/22/2010	La-140	-1.06E+00	1.39E+00	4.41E+00
WD	LTW	261434023	9/22/2010	Mn-54	3.40E-01	6.59E-01	2.24E+00
WD	LTW	261434023	9/22/2010	Nb-95	7.58E-01	7.23E-01	2.50E+00
WD	LTW	261434023	9/22/2010	Ru-103	-1.42E-01	7.57E-01	2.47E+00
WD	LTW	261434023	9/22/2010	Ru-106	7.06E+00	6.15E+00	2.06E+01
WD	LTW	261434023	9/22/2010	Sb-124	1.36E-01	1.90E+00	6.26E+00
WD	LTW	261434023	9/22/2010	Sb-125	-5.45E-01	1.71E+00	5.61E+00
WD	LTW	261434023	9/22/2010	Se-75	5.00E-01	8.13E-01	2.62E+00
WD	LTW	261434023	9/22/2010	Th-228	-1.64E+00	1.78E+00	4.70E+00
WD	LTW	261434023	9/22/2010	Zn-65	-3.06E+00	1.57E+00	4.66E+00
WD	LTW	261434023	9/22/2010	Zr-95	2.42E+00	1.30E+00	4.60E+00
WD	LTW	261434024	9/22/2010	I-131	8.09E-02	1.49E-01	5.07E-01
WD	STJ	261434025	9/22/2010	Ac-228	-1.12E+00	2.96E+00	7.38E+00
WD	STJ	261434025	9/22/2010	Ag-108m	-3.47E-01	4.75E-01	1.57E+00
WD	STJ	261434025	9/22/2010	Ag-110m	-6.27E-01	5.57E-01	1.77E+00
WD	STJ	261434025	9/22/2010	Ba-140	-7.14E+00	3.29E+00	9.55E+00
WD	STJ	261434025	9/22/2010	Be-7	3.20E+00	4.90E+00	1.66E+01
WD	STJ	261434025	9/22/2010	Ce-141	2.07E-01	1.42E+00	3.47E+00
WD	STJ	261434025	9/22/2010	Ce-144	9.54E-01	3.84E+00	1.19E+01
WD	STJ	261434025	9/22/2010	Co-57	-5.39E-01	4.78E-01	1.57E+00
WD	STJ	261434025	9/22/2010	Co-58	-6.24E-01	6.07E-01	1.91E+00
WD	STJ	261434025	9/22/2010	Co-60	1.17E+00	6.14E-01	2.17E+00
WD	STJ	261434025	9/22/2010	Cr-51	4.18E-02	5.62E+00	1.81E+01
WD	STJ	261434025	9/22/2010	Cs-134	-5.77E-01	6.86E-01	2.17E+00
WD	STJ	261434025	9/22/2010	Cs-137	1.29E+00	5.94E-01	2.06E+00
WD	STJ	261434025	9/22/2010	Fe-59	5.36E-01	1.30E+00	4.41E+00
WD	STJ	261434025	9/22/2010	Gross Beta	2.29E-01	9.43E-01	2.98E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WD	STJ	261434025	9/22/2010	Gross Beta	2.29E-01	9.43E-01	2.98E+00
WD	STJ	261434025	9/22/2010	I-131	1.45E-01	1.27E+00	4.06E+00
WD	STJ	261434025	9/22/2010	K-40	1.87E+01	6.89E+00	2.46E+01
WD	STJ	261434025	9/22/2010	La-140	1.46E+00	1.12E+00	3.85E+00
WD	STJ	261434025	9/22/2010	Mn-54	-1.11E+00	5.62E-01	1.70E+00
WD	STJ	261434025	9/22/2010	Nb-95	7.67E-01	5.78E-01	1.96E+00
WD	STJ	261434025	9/22/2010	Ru-103	-1.59E-01	6.07E-01	2.01E+00
WD	STJ	261434025	9/22/2010	Ru-106	8.56E+00	5.06E+00	1.74E+01
WD	STJ	261434025	9/22/2010	Sb-124	-5.50E-01	1.54E+00	4.95E+00
WD	STJ	261434025	9/22/2010	Sb-125	2.03E+00	1.42E+00	4.92E+00
WD	STJ	261434025	9/22/2010	Se-75	2.44E-01	7.54E-01	2.46E+00
WD	STJ	261434025	9/22/2010	Th-228	-2.92E-01	1.38E+00	3.43E+00
WD	STJ	261434025	9/22/2010	Zn-65	7.65E-01	1.24E+00	4.22E+00
WD	STJ	261434025	9/22/2010	Zr-95	1.38E+00	1.07E+00	3.62E+00
WD	STJ	261434026	9/22/2010	I-131	-2.09E-02	1.43E-01	4.66E-01
WD	STJ	264064023	10/6/2010	Ac-228	-7.31E+00	4.30E+00	9.82E+00
WD	STJ	264064023	10/6/2010	Ag-108m	7.66E-01	5.95E-01	1.98E+00
WD	STJ	264064023	10/6/2010	Ag-110m	1.44E-01	6.16E-01	2.05E+00
WD	STJ	264064023	10/6/2010	Ba-140	-1.38E-01	3.48E+00	1.17E+01
WD	STJ	264064023	10/6/2010	Be-7	4.94E+00	5.94E+00	1.95E+01
WD	STJ	264064023	10/6/2010	Ce-141	4.89E-01	1.28E+00	4.13E+00
WD	STJ	264064023	10/6/2010	Ce-144	-1.18E+00	4.81E+00	1.54E+01
WD	STJ	264064023	10/6/2010	Co-57	-2.50E-01	6.30E-01	2.02E+00
WD	STJ	264064023	10/6/2010	Co-58	-7.75E-01	6.52E-01	2.02E+00
WD	STJ	264064023	10/6/2010	Co-60	6.75E-01	7.29E-01	2.49E+00
WD	STJ	264064023	10/6/2010	Cr-51	-2.62E+00	6.82E+00	2.22E+01
WD	STJ	264064023	10/6/2010	Cs-134	5.00E-01	8.23E-01	2.74E+00
WD	STJ	264064023	10/6/2010	Cs-137	5.77E-02	6.83E-01	2.26E+00
WD	STJ	264064023	10/6/2010	Fe-59	1.25E+00	1.40E+00	4.81E+00
WD	STJ	264064023	10/6/2010	Gross Beta	2.17E+00	9.96E-01	2.64E+00
WD	STJ	264064023	10/6/2010	Gross Beta	2.17E+00	9.96E-01	2.64E+00
WD	STJ	264064023	10/6/2010	I-131	-2.05E+00	1.35E+00	4.24E+00
WD	STJ	264064023	10/6/2010	K-40	-8.31E+00	1.20E+01	3.32E+01
WD	STJ	264064023	10/6/2010	La-140	-2.11E-01	1.15E+00	3.82E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WD	STJ	264064023	10/6/2010	Mn-54	-9.71E-01	6.46E-01	1.97E+00
WD	STJ	264064023	10/6/2010	Nb-95	-1.73E-02	6.92E-01	2.26E+00
WD	STJ	264064023	10/6/2010	Ru-103	-1.74E+00	7.38E-01	2.31E+00
WD	STJ	264064023	10/6/2010	Ru-106	9.78E-01	5.92E+00	1.98E+01
WD	STJ	264064023	10/6/2010	Sb-124	-4.53E-01	1.63E+00	5.34E+00
WD	STJ	264064023	10/6/2010	Sb-125	-1.27E+00	1.93E+00	6.09E+00
WD	STJ	264064023	10/6/2010	Se-75	-5.88E-01	9.20E-01	3.02E+00
WD	STJ	264064023	10/6/2010	Th-228	3.54E+00	2.02E+00	4.84E+00
WD	STJ	264064023	10/6/2010	Zn-65	-1.80E+00	1.65E+00	4.39E+00
WD	STJ	264064023	10/6/2010	Zr-95	1.29E+00	1.23E+00	4.17E+00
WD	STJ	264064024	10/6/2010	I-131	-7.34E-02	1.92E-01	6.34E-01
WD	LTW	264064025	10/6/2010	Ac-228	8.23E-01	3.65E+00	8.80E+00
WD	LTW	264064025	10/6/2010	Ag-108m	-1.78E-01	5.79E-01	1.85E+00
WD	LTW	264064025	10/6/2010	Ag-110m	-5.13E-01	5.88E-01	1.90E+00
WD	LTW	264064025	10/6/2010	Ba-140	1.07E-01	3.24E+00	1.09E+01
WD	LTW	264064025	10/6/2010	Be-7	1.97E+00	5.45E+00	1.77E+01
WD	LTW	264064025	10/6/2010	Ce-141	-1.80E+00	1.45E+00	3.74E+00
WD	LTW	264064025	10/6/2010	Ce-144	-1.92E+00	4.30E+00	1.37E+01
WD	LTW	264064025	10/6/2010	Co-57	-2.93E-01	5.49E-01	1.75E+00
WD	LTW	264064025	10/6/2010	Co-58	2.95E-01	6.05E-01	2.01E+00
WD	LTW	264064025	10/6/2010	Co-60	4.88E-01	6.07E-01	2.07E+00
WD	LTW	264064025	10/6/2010	Cr-51	-7.82E-01	6.15E+00	2.02E+01
WD	LTW	264064025	10/6/2010	Cs-134	-1.48E+00	7.68E-01	2.32E+00
WD	LTW	264064025	10/6/2010	Cs-137	1.37E+00	6.45E-01	2.27E+00
WD	LTW	264064025	10/6/2010	Fe-59	1.26E+00	1.30E+00	4.48E+00
WD	LTW	264064025	10/6/2010	Gross Beta	1.96E+00	8.86E-01	2.28E+00
WD	LTW	264064025	10/6/2010	Gross Beta	1.96E+00	8.86E-01	2.28E+00
WD	LTW	264064025	10/6/2010	I-131	2.13E+00	1.19E+00	4.02E+00
WD	LTW	264064025	10/6/2010	K-40	5.72E-01	1.11E+01	2.89E+01
WD	LTW	264064025	10/6/2010	La-140	-1.83E+00	1.21E+00	3.60E+00
WD	LTW	264064025	10/6/2010	Mn-54	-4.94E-01	6.24E-01	1.97E+00
WD	LTW	264064025	10/6/2010	Nb-95	-1.38E+00	6.63E-01	2.01E+00
WD	LTW	264064025	10/6/2010	Ru-103	-8.89E-01	6.56E-01	2.13E+00
WD	LTW	264064025	10/6/2010	Ru-106	2.54E+00	5.42E+00	1.83E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TYPE	STATION	LSN	DATE				
WD	LTW	264064025	10/6/2010	Sb-124	-3.34E+00	1.61E+00	4.82E+00
WD	LTW	264064025	10/6/2010	Sb-125	5.83E-01	1.79E+00	5.84E+00
WD	LTW	264064025	10/6/2010	Se-75	-1.09E+00	8.53E-01	2.77E+00
WD	LTW	264064025	10/6/2010	Th-228	-1.26E+00	1.78E+00	4.50E+00
WD	LTW	264064025	10/6/2010	Zn-65	-4.31E-01	1.54E+00	4.34E+00
WD	LTW	264064025	10/6/2010	Zr-95	-2.97E-01	1.16E+00	3.78E+00
WD	LTW	264064026	10/6/2010	I-131	1.24E-01	2.20E-01	7.19E-01
WD	STJ	265243023	10/20/2010	Ac-228	-7.92E+00	3.87E+00	9.42E+00
WD	STJ	265243023	10/20/2010	Ag-108m	7.72E-01	6.22E-01	2.10E+00
WD	STJ	265243023	10/20/2010	Ag-110m	9.14E-01	6.51E-01	2.03E+00
WD	STJ	265243023	10/20/2010	Ba-140	2.28E+00	3.27E+00	1.07E+01
WD	STJ	265243023	10/20/2010	Be-7	3.28E+00	5.84E+00	1.93E+01
WD	STJ	265243023	10/20/2010	Ce-141	-8.98E-01	1.16E+00	3.71E+00
WD	STJ	265243023	10/20/2010	Ce-144	-1.43E+00	4.30E+00	1.39E+01
WD	STJ	265243023	10/20/2010	Co-57	7.24E-02	5.69E-01	1.86E+00
WD	STJ	265243023	10/20/2010	Co-58	-5.56E-01	6.51E-01	2.08E+00
WD	STJ	265243023	10/20/2010	Co-60	-1.50E-01	6.31E-01	2.07E+00
WD	STJ	265243023	10/20/2010	Cr-51	1.05E+01	6.13E+00	2.11E+01
WD	STJ	265243023	10/20/2010	Cs-134	5.37E-01	7.33E-01	2.50E+00
WD	STJ	265243023	10/20/2010	Cs-137	1.52E+00	1.29E+00	2.39E+00
WD	STJ	265243023	10/20/2010	Fe-59	1.09E+00	1.36E+00	4.54E+00
WD	STJ	265243023	10/20/2010	Gross Beta	4.38E-01	9.52E-01	2.98E+00
WD	STJ	265243023	10/20/2010	Gross Beta	4.38E-01	9.52E-01	2.98E+00
WD	STJ	265243023	10/20/2010	I-131	1.47E+00	1.08E+00	3.69E+00
WD	STJ	265243023	10/20/2010	K-40	-1.49E+01	1.07E+01	2.92E+01
WD	STJ	265243023	10/20/2010	La-140	1.46E-02	1.10E+00	3.59E+00
WD	STJ	265243023	10/20/2010	Mn-54	-7.28E-01	6.29E-01	1.97E+00
WD	STJ	265243023	10/20/2010	Nb-95	9.01E-01	6.36E-01	2.22E+00
WD	STJ	265243023	10/20/2010	Ru-103	6.85E-01	7.10E-01	2.36E+00
WD	STJ	265243023	10/20/2010	Ru-106	1.08E+01	5.64E+00	2.01E+01
WD	STJ	265243023	10/20/2010	Sb-124	2.38E+00	1.73E+00	6.05E+00
WD	STJ	265243023	10/20/2010	Sb-125	-3.94E-01	1.89E+00	6.13E+00
WD	STJ	265243023	10/20/2010	Se-75	6.30E-01	8.86E-01	3.03E+00
WD	STJ	265243023	10/20/2010	Th-228	1.22E+00	2.09E+00	4.51E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WD	STJ	265243023	10/20/2010	Zn-65	2.05E+00	1.53E+00	4.63E+00
WD	STJ	265243023	10/20/2010	Zr-95	9.21E-01	1.11E+00	3.78E+00
WD	STJ	265243024	10/20/2010	I-131	-2.49E-01	1.78E-01	5.54E-01
WD	LTW	265243025	10/20/2010	Ac-228	6.22E+00	2.25E+00	7.95E+00
WD	LTW	265243025	10/20/2010	Ag-108m	-6.89E-01	4.91E-01	1.54E+00
WD	LTW	265243025	10/20/2010	Ag-110m	1.75E-01	4.96E-01	1.68E+00
WD	LTW	265243025	10/20/2010	Ba-140	5.77E+00	2.68E+00	8.61E+00
WD	LTW	265243025	10/20/2010	Be-7	1.19E+01	4.69E+00	1.62E+01
WD	LTW	265243025	10/20/2010	Ce-141	3.05E-03	9.66E-01	3.09E+00
WD	LTW	265243025	10/20/2010	Ce-144	2.53E+00	3.72E+00	1.21E+01
WD	LTW	265243025	10/20/2010	Co-57	3.69E-02	4.94E-01	1.59E+00
WD	LTW	265243025	10/20/2010	Co-58	4.52E-01	5.29E-01	1.81E+00
WD	LTW	265243025	10/20/2010	Co-60	-1.18E+00	5.97E-01	1.83E+00
WD	LTW	265243025	10/20/2010	Cr-51	-1.77E+00	4.94E+00	1.63E+01
WD	LTW	265243025	10/20/2010	Cs-134	3.36E-01	6.20E-01	2.10E+00
WD	LTW	265243025	10/20/2010	Cs-137	3.86E-01	5.42E-01	1.86E+00
WD	LTW	265243025	10/20/2010	Fe-59	5.00E-01	1.06E+00	3.50E+00
WD	LTW	265243025	10/20/2010	Gross Beta	5.03E+00	1.39E+00	3.35E+00 *
WD	LTW	265243025	10/20/2010	Gross Beta	5.03E+00	1.39E+00	3.35E+00 *
WD	LTW	265243025	10/20/2010	I-131	-1.78E-01	8.58E-01	2.81E+00
WD	LTW	265243025	10/20/2010	K-40	-1.50E+01	9.85E+00	2.40E+01
WD	LTW	265243025	10/20/2010	La-140	1.04E+00	1.08E+00	2.96E+00
WD	LTW	265243025	10/20/2010	Mn-54	-2.70E-01	5.38E-01	1.75E+00
WD	LTW	265243025	10/20/2010	Nb-95	-7.52E-01	5.43E-01	1.72E+00
WD	LTW	265243025	10/20/2010	Ru-103	-1.48E+00	6.04E-01	1.79E+00
WD	LTW	265243025	10/20/2010	Ru-106	-2.34E+00	4.74E+00	1.58E+01
WD	LTW	265243025	10/20/2010	Sb-124	1.76E+00	1.26E+00	4.45E+00
WD	LTW	265243025	10/20/2010	Sb-125	-2.75E+00	1.55E+00	4.81E+00
WD	LTW	265243025	10/20/2010	Se-75	1.25E+00	7.11E-01	2.45E+00
WD	LTW	265243025	10/20/2010	Th-228	1.49E+00	1.83E+00	3.77E+00
WD	LTW	265243025	10/20/2010	Zn-65	-9.00E-01	1.27E+00	4.01E+00
WD	LTW	265243025	10/20/2010	Zr-95	1.21E+00	9.77E-01	3.38E+00
WD	LTW	265243026	10/20/2010	I-131	1.10E-01	1.93E-01	6.30E-01
WD	STJ	266464023	11/3/2010	Ac-228	-4.62E-01	3.09E+00	7.56E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TYPE	STATION	LSN	DATE				
WD	STJ	266464023	11/3/2010	Ag-108m	-5.80E-01	4.95E-01	1.56E+00
WD	STJ	266464023	11/3/2010	Ag-110m	-7.04E-01	4.85E-01	1.55E+00
WD	STJ	266464023	11/3/2010	Ba-140	1.05E+00	2.98E+00	9.69E+00
WD	STJ	266464023	11/3/2010	Be-7	1.80E+00	4.56E+00	1.50E+01
WD	STJ	266464023	11/3/2010	Ce-141	2.79E+00	1.16E+00	3.14E+00
WD	STJ	266464023	11/3/2010	Ce-144	3.45E+00	3.80E+00	1.23E+01
WD	STJ	266464023	11/3/2010	Co-57	7.38E-02	4.84E-01	1.56E+00
WD	STJ	266464023	11/3/2010	Co-58	9.69E-01	5.23E-01	1.84E+00
WD	STJ	266464023	11/3/2010	Co-60	9.88E-01	5.22E-01	1.89E+00
WD	STJ	266464023	11/3/2010	Cr-51	5.13E+00	5.20E+00	1.76E+01
WD	STJ	266464023	11/3/2010	Cs-134	8.77E-01	6.26E-01	2.18E+00
WD	STJ	266464023	11/3/2010	Cs-137	-4.04E-01	5.03E-01	1.65E+00
WD	STJ	266464023	11/3/2010	Fe-59	1.61E+00	1.14E+00	3.90E+00
WD	STJ	266464023	11/3/2010	Gross Beta	5.66E-01	9.79E-01	3.10E+00
WD	STJ	266464023	11/3/2010	Gross Beta	5.66E-01	9.79E-01	3.10E+00
WD	STJ	266464023	11/3/2010	I-131	4.86E-01	1.07E+00	3.55E+00
WD	STJ	266464023	11/3/2010	K-40	1.74E+00	1.40E+01	1.41E+01
WD	STJ	266464023	11/3/2010	La-140	8.51E-02	9.29E-01	3.09E+00
WD	STJ	266464023	11/3/2010	Mn-54	-4.75E-01	5.20E-01	1.67E+00
WD	STJ	266464023	11/3/2010	Nb-95	7.46E-01	5.54E-01	1.92E+00
WD	STJ	266464023	11/3/2010	Ru-103	-6.58E-01	6.30E-01	1.98E+00
WD	STJ	266464023	11/3/2010	Ru-106	4.78E+00	4.50E+00	1.56E+01
WD	STJ	266464023	11/3/2010	Sb-124	-5.18E-01	1.22E+00	3.93E+00
WD	STJ	266464023	11/3/2010	Sb-125	-9.12E-01	1.49E+00	4.78E+00
WD	STJ	266464023	11/3/2010	Se-75	3.41E-01	7.17E-01	2.42E+00
WD	STJ	266464023	11/3/2010	Th-228	9.83E-01	1.59E+00	3.68E+00
WD	STJ	266464023	11/3/2010	Zn-65	1.13E+00	1.16E+00	3.90E+00
WD	STJ	266464023	11/3/2010	Zr-95	4.70E-01	9.25E-01	3.14E+00
WD	STJ	266464024	11/3/2010	I-131	-3.59E-01	3.58E-01	1.17E+00
WD	LTW	266464025	11/3/2010	Ac-228	1.22E+00	3.14E+00	7.77E+00
WD	LTW	266464025	11/3/2010	Ag-108m	-5.69E-01	5.26E-01	1.64E+00
WD	LTW	266464025	11/3/2010	Ag-110m	-1.12E-01	5.47E-01	1.80E+00
WD	LTW	266464025	11/3/2010	Ba-140	2.69E+00	3.02E+00	1.02E+01
WD	LTW	266464025	11/3/2010	Be-7	3.30E+00	4.94E+00	1.69E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WD	LTW	266464025	11/3/2010	Ce-141	1.93E-01	1.03E+00	3.49E+00
WD	LTW	266464025	11/3/2010	Ce-144	1.16E+00	3.77E+00	1.28E+01
WD	LTW	266464025	11/3/2010	Co-57	-7.93E-02	4.97E-01	1.57E+00
WD	LTW	266464025	11/3/2010	Co-58	-2.65E-01	5.60E-01	1.80E+00
WD	LTW	266464025	11/3/2010	Co-60	-2.87E-01	5.78E-01	1.86E+00
WD	LTW	266464025	11/3/2010	Cr-51	2.65E+00	5.66E+00	1.87E+01
WD	LTW	266464025	11/3/2010	Cs-134	2.12E-01	7.00E-01	2.31E+00
WD	LTW	266464025	11/3/2010	Cs-137	-1.73E-01	5.65E-01	1.86E+00
WD	LTW	266464025	11/3/2010	Fe-59	2.37E-01	1.07E+00	3.61E+00
WD	LTW	266464025	11/3/2010	Gross Beta	2.34E+00	1.22E+00	3.77E+00
WD	LTW	266464025	11/3/2010	Gross Beta	2.34E+00	1.22E+00	3.77E+00
WD	LTW	266464025	11/3/2010	I-131	2.40E+00	1.16E+00	3.91E+00
WD	LTW	266464025	11/3/2010	K-40	-2.05E+00	8.98E+00	2.55E+01
WD	LTW	266464025	11/3/2010	La-140	7.87E-01	1.07E+00	3.60E+00
WD	LTW	266464025	11/3/2010	Mn-54	6.04E-01	5.67E-01	1.91E+00
WD	LTW	266464025	11/3/2010	Nb-95	5.50E-01	5.97E-01	2.01E+00
WD	LTW	266464025	11/3/2010	Ru-103	-5.42E-01	6.07E-01	2.00E+00
WD	LTW	266464025	11/3/2010	Ru-106	-1.24E+00	4.64E+00	1.53E+01
WD	LTW	266464025	11/3/2010	Sb-124	-6.41E-02	1.31E+00	4.24E+00
WD	LTW	266464025	11/3/2010	Sb-125	-8.56E-01	1.51E+00	4.79E+00
WD	LTW	266464025	11/3/2010	Se-75	1.75E+00	7.87E-01	2.68E+00
WD	LTW	266464025	11/3/2010	Th-228	8.53E-01	1.91E+00	3.48E+00
WD	LTW	266464025	11/3/2010	Zn-65	-6.77E-01	1.19E+00	3.91E+00
WD	LTW	266464025	11/3/2010	Zr-95	-6.31E-01	1.01E+00	3.23E+00
WD	LTW	266464026	11/3/2010	I-131	4.72E-01	2.38E-01	8.02E-01
WD	STJ	267376023	11/17/2010	Ac-228	-1.13E+00	3.89E+00	9.24E+00
WD	STJ	267376023	11/17/2010	Ag-108m	-4.65E-01	6.39E-01	2.06E+00
WD	STJ	267376023	11/17/2010	Ag-110m	-4.25E-01	6.22E-01	2.05E+00
WD	STJ	267376023	11/17/2010	Ba-140	1.91E+00	3.17E+00	1.04E+01
WD	STJ	267376023	11/17/2010	Be-7	5.26E+00	6.03E+00	2.00E+01
WD	STJ	267376023	11/17/2010	Ce-141	1.85E+00	1.34E+00	4.41E+00
WD	STJ	267376023	11/17/2010	Ce-144	1.06E+00	5.22E+00	1.70E+01
WD	STJ	267376023	11/17/2010	Co-57	-4.86E-01	6.82E-01	2.19E+00
WD	STJ	267376023	11/17/2010	Co-58	-1.67E+00	6.78E-01	2.07E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)  
+ Minimum Detectable Concentration > Lower Limit of Detection  
x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TYPE	STATION	LSN	DATE				
WD	STJ	267376023	11/17/2010	Co-60	6.60E-01	6.81E-01	2.35E+00
WD	STJ	267376023	11/17/2010	Cr-51	-6.66E+00	6.66E+00	2.17E+01
WD	STJ	267376023	11/17/2010	Cs-134	-8.44E-01	7.86E-01	2.53E+00
WD	STJ	267376023	11/17/2010	Cs-137	-1.02E+00	7.04E-01	2.27E+00
WD	STJ	267376023	11/17/2010	Fe-59	5.26E-01	1.22E+00	4.02E+00
WD	STJ	267376023	11/17/2010	Gross Beta	1.34E+00	8.82E-01	2.37E+00
WD	STJ	267376023	11/17/2010	Gross Beta	1.34E+00	8.82E-01	2.37E+00
WD	STJ	267376023	11/17/2010	I-131	-9.67E-01	1.10E+00	3.58E+00
WD	STJ	267376023	11/17/2010	K-40	1.38E+01	1.49E+01	1.78E+01
WD	STJ	267376023	11/17/2010	La-140	-5.92E-01	1.02E+00	3.28E+00
WD	STJ	267376023	11/17/2010	Mn-54	2.39E-01	6.48E-01	2.17E+00
WD	STJ	267376023	11/17/2010	Nb-95	3.11E+00	7.87E-01	2.55E+00
WD	STJ	267376023	11/17/2010	Ru-103	-8.28E-01	7.33E-01	2.32E+00
WD	STJ	267376023	11/17/2010	Ru-106	5.52E+00	5.97E+00	2.05E+01
WD	STJ	267376023	11/17/2010	Sb-124	-1.17E+00	1.43E+00	4.50E+00
WD	STJ	267376023	11/17/2010	Sb-125	-3.36E-01	1.99E+00	6.50E+00
WD	STJ	267376023	11/17/2010	Se-75	-1.16E+00	9.70E-01	3.18E+00
WD	STJ	267376023	11/17/2010	Th-228	1.53E-01	2.03E+00	5.28E+00
WD	STJ	267376023	11/17/2010	Zn-65	-6.54E-01	1.54E+00	4.19E+00
WD	STJ	267376023	11/17/2010	Zr-95	1.04E+00	1.14E+00	3.88E+00
WD	STJ	267376024	11/17/2010	I-131	1.74E-01	1.37E-01	4.71E-01
WD	LTW	267376025	11/17/2010	Ac-228	-2.47E+00	3.59E+00	9.10E+00
WD	LTW	267376025	11/17/2010	Ag-108m	1.01E-01	5.45E-01	1.77E+00
WD	LTW	267376025	11/17/2010	Ag-110m	-9.24E-01	5.91E-01	1.86E+00
WD	LTW	267376025	11/17/2010	Ba-140	5.53E+00	3.66E+00	1.24E+01
WD	LTW	267376025	11/17/2010	Be-7	-4.32E+00	5.77E+00	1.81E+01
WD	LTW	267376025	11/17/2010	Ce-141	1.59E+00	1.24E+00	4.05E+00
WD	LTW	267376025	11/17/2010	Ce-144	-2.71E+00	4.15E+00	1.32E+01
WD	LTW	267376025	11/17/2010	Co-57	2.44E-01	5.63E-01	1.83E+00
WD	LTW	267376025	11/17/2010	Co-58	-4.51E-01	6.67E-01	2.12E+00
WD	LTW	267376025	11/17/2010	Co-60	-1.02E+00	6.48E-01	1.96E+00
WD	LTW	267376025	11/17/2010	Cr-51	-2.01E+00	6.33E+00	2.07E+01
WD	LTW	267376025	11/17/2010	Cs-134	-1.76E-01	7.07E-01	2.29E+00
WD	LTW	267376025	11/17/2010	Cs-137	1.11E-01	7.96E-01	2.24E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TYPE	STATION	LSN	DATE				
WD	LTW	267376025	11/17/2010	Fe-59	3.07E-01	1.30E+00	4.37E+00
WD	LTW	267376025	11/17/2010	Gross Beta	-3.29E-01	8.06E-01	2.73E+00
WD	LTW	267376025	11/17/2010	Gross Beta	-3.29E-01	8.06E-01	2.73E+00
WD	LTW	267376025	11/17/2010	I-131	-5.53E-01	1.39E+00	4.49E+00
WD	LTW	267376025	11/17/2010	K-40	-1.51E+00	1.05E+01	2.82E+01
WD	LTW	267376025	11/17/2010	La-140	-1.28E+00	1.16E+00	3.52E+00
WD	LTW	267376025	11/17/2010	Mn-54	2.78E-01	6.37E-01	2.11E+00
WD	LTW	267376025	11/17/2010	Nb-95	3.09E-01	6.26E-01	2.09E+00
WD	LTW	267376025	11/17/2010	Ru-103	-8.89E-01	6.88E-01	2.24E+00
WD	LTW	267376025	11/17/2010	Ru-106	-3.95E-01	5.59E+00	1.86E+01
WD	LTW	267376025	11/17/2010	Sb-124	-1.46E-01	1.53E+00	5.10E+00
WD	LTW	267376025	11/17/2010	Sb-125	2.19E+00	1.73E+00	5.77E+00
WD	LTW	267376025	11/17/2010	Se-75	1.36E+00	8.46E-01	2.89E+00
WD	LTW	267376025	11/17/2010	Th-228	9.12E-01	1.84E+00	4.33E+00
WD	LTW	267376025	11/17/2010	Zn-65	1.05E+00	1.43E+00	4.29E+00
WD	LTW	267376025	11/17/2010	Zr-95	-4.12E-01	1.08E+00	3.50E+00
WD	LTW	267376026	11/17/2010	I-131	2.28E-01	1.43E-01	4.83E-01
WD	STJ	271186001	12/31/2010	H-3	-6.95E+01	1.83E+02	6.09E+02
WD	LTW	271186002	12/31/2010	H-3	-1.86E+02	1.81E+02	6.18E+02
WD	STJ	268058023	12/1/2010	Ac-228	3.31E+00	2.54E+00	8.56E+00
WD	STJ	268058023	12/1/2010	Ag-108m	4.02E-01	5.31E-01	1.82E+00
WD	STJ	268058023	12/1/2010	Ag-110m	3.77E-01	6.06E-01	2.03E+00
WD	STJ	268058023	12/1/2010	Ba-140	4.07E+00	2.86E+00	9.62E+00
WD	STJ	268058023	12/1/2010	Be-7	1.37E-01	5.22E+00	1.75E+01
WD	STJ	268058023	12/1/2010	Ce-141	1.37E+00	1.06E+00	3.58E+00
WD	STJ	268058023	12/1/2010	Ce-144	-8.03E+00	4.51E+00	1.25E+01
WD	STJ	268058023	12/1/2010	Co-57	5.07E-01	5.23E-01	1.77E+00
WD	STJ	268058023	12/1/2010	Co-58	2.74E-01	6.30E-01	2.08E+00
WD	STJ	268058023	12/1/2010	Co-60	-2.62E-01	6.59E-01	2.14E+00
WD	STJ	268058023	12/1/2010	Cr-51	-5.31E+00	5.79E+00	1.82E+01
WD	STJ	268058023	12/1/2010	Cs-134	1.39E-01	6.80E-01	2.23E+00
WD	STJ	268058023	12/1/2010	Cs-137	-1.66E-01	6.32E-01	2.06E+00
WD	STJ	268058023	12/1/2010	Fe-59	-8.72E-01	1.27E+00	4.12E+00
WD	STJ	268058023	12/1/2010	Gross Beta	1.45E+00	1.05E+00	2.99E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TYPE	STATION	LSN	DATE				
WD	STJ	268058023	12/1/2010	Gross Beta	1.45E+00	1.05E+00	2.99E+00
WD	STJ	268058023	12/1/2010	I-131	-6.46E-01	1.05E+00	3.31E+00
WD	STJ	268058023	12/1/2010	K-40	3.60E+01	1.24E+01	2.30E+01
WD	STJ	268058023	12/1/2010	La-140	1.28E+00	1.07E+00	3.67E+00
WD	STJ	268058023	12/1/2010	Mn-54	1.69E-01	6.78E-01	2.22E+00
WD	STJ	268058023	12/1/2010	Nb-95	6.61E-01	5.90E-01	2.00E+00
WD	STJ	268058023	12/1/2010	Ru-103	4.83E-01	6.47E-01	2.20E+00
WD	STJ	268058023	12/1/2010	Ru-106	2.27E+00	5.32E+00	1.78E+01
WD	STJ	268058023	12/1/2010	Sb-124	8.89E-01	1.46E+00	4.90E+00
WD	STJ	268058023	12/1/2010	Sb-125	-1.36E+00	1.55E+00	5.09E+00
WD	STJ	268058023	12/1/2010	Se-75	7.17E-01	7.87E-01	2.60E+00
WD	STJ	268058023	12/1/2010	Th-228	1.89E+00	1.96E+00	4.08E+00
WD	STJ	268058023	12/1/2010	Zn-65	1.66E+00	1.50E+00	4.56E+00
WD	STJ	268058023	12/1/2010	Zr-95	-5.58E-01	1.10E+00	3.53E+00
WD	STJ	268058024	12/1/2010	I-131	-1.69E-01	1.45E-01	4.78E-01
WD	LTW	268058025	12/1/2010	Ac-228	-5.77E+00	3.63E+00	9.35E+00
WD	LTW	268058025	12/1/2010	Ag-108m	-6.40E-01	5.98E-01	1.93E+00
WD	LTW	268058025	12/1/2010	Ag-110m	1.30E-01	6.09E-01	2.00E+00
WD	LTW	268058025	12/1/2010	Ba-140	-4.27E+00	3.34E+00	1.03E+01
WD	LTW	268058025	12/1/2010	Be-7	-2.26E+00	5.71E+00	1.87E+01
WD	LTW	268058025	12/1/2010	Ce-141	1.31E+00	1.19E+00	3.92E+00
WD	LTW	268058025	12/1/2010	Ce-144	-2.62E+00	4.35E+00	1.40E+01
WD	LTW	268058025	12/1/2010	Co-57	5.05E-01	5.63E-01	1.86E+00
WD	LTW	268058025	12/1/2010	Co-58	-1.43E+00	6.76E-01	2.00E+00
WD	LTW	268058025	12/1/2010	Co-60	1.31E+00	6.40E-01	2.30E+00
WD	LTW	268058025	12/1/2010	Cr-51	-1.85E+00	6.09E+00	2.03E+01
WD	LTW	268058025	12/1/2010	Cs-134	7.60E-01	6.98E-01	2.34E+00
WD	LTW	268058025	12/1/2010	Cs-137	9.12E-01	6.96E-01	2.36E+00
WD	LTW	268058025	12/1/2010	Fe-59	5.55E-02	1.34E+00	4.46E+00
WD	LTW	268058025	12/1/2010	Gross Beta	3.65E-01	1.08E+00	3.48E+00
WD	LTW	268058025	12/1/2010	Gross Beta	3.65E-01	1.08E+00	3.48E+00
WD	LTW	268058025	12/1/2010	I-131	-9.93E-01	1.09E+00	3.57E+00
WD	LTW	268058025	12/1/2010	K-40	3.03E+00	1.51E+01	2.10E+01
WD	LTW	268058025	12/1/2010	La-140	2.54E-01	1.09E+00	3.60E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE		CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
			DATE	NUCLIDE			
WD	LTW	268058025	12/1/2010	Mn-54	2.05E-01	6.41E-01	2.09E+00
WD	LTW	268058025	12/1/2010	Nb-95	1.72E-01	7.02E-01	2.29E+00
WD	LTW	268058025	12/1/2010	Ru-103	-4.26E-01	7.05E-01	2.29E+00
WD	LTW	268058025	12/1/2010	Ru-106	-2.01E+00	6.14E+00	1.99E+01
WD	LTW	268058025	12/1/2010	Sb-124	3.52E-01	1.58E+00	5.20E+00
WD	LTW	268058025	12/1/2010	Sb-125	-4.67E-01	1.86E+00	6.12E+00
WD	LTW	268058025	12/1/2010	Se-75	5.21E-01	8.85E-01	3.01E+00
WD	LTW	268058025	12/1/2010	Th-228	1.31E+00	1.85E+00	4.66E+00
WD	LTW	268058025	12/1/2010	Zn-65	2.87E+00	1.56E+00	4.89E+00
WD	LTW	268058025	12/1/2010	Zr-95	3.34E-01	1.19E+00	3.89E+00
WD	LTW	268058026	12/1/2010	I-131	-3.64E-01	1.47E-01	4.48E-01
WD	STJ	268877023	12/15/2010	Ac-228	3.17E+00	4.14E+00	9.11E+00
WD	STJ	268877023	12/15/2010	Ag-108m	-5.85E-01	6.06E-01	1.89E+00
WD	STJ	268877023	12/15/2010	Ag-110m	-2.16E-01	6.02E-01	1.96E+00
WD	STJ	268877023	12/15/2010	Ba-140	7.00E-01	9.94E-01	3.33E+00
WD	STJ	268877023	12/15/2010	Be-7	-1.61E-01	5.26E+00	1.77E+01
WD	STJ	268877023	12/15/2010	Ce-141	2.14E-02	1.31E+00	3.94E+00
WD	STJ	268877023	12/15/2010	Ce-144	-1.76E+00	4.84E+00	1.53E+01
WD	STJ	268877023	12/15/2010	Co-57	-8.67E-01	6.34E-01	1.97E+00
WD	STJ	268877023	12/15/2010	Co-58	1.61E-01	6.32E-01	2.08E+00
WD	STJ	268877023	12/15/2010	Co-60	-2.62E-02	6.40E-01	2.10E+00
WD	STJ	268877023	12/15/2010	Cr-51	-4.24E+00	6.10E+00	1.96E+01
WD	STJ	268877023	12/15/2010	Cs-134	7.75E-02	7.06E-01	2.31E+00
WD	STJ	268877023	12/15/2010	Cs-137	2.04E-01	6.75E-01	2.25E+00
WD	STJ	268877023	12/15/2010	Fe-59	-2.01E-01	1.14E+00	3.77E+00
WD	STJ	268877023	12/15/2010	Gross Beta	2.48E+00	9.44E-01	2.33E+00
WD	STJ	268877023	12/15/2010	Gross Beta	2.48E+00	9.44E-01	2.33E+00
WD	STJ	268877023	12/15/2010	I-131	-6.04E-02	1.01E+00	3.28E+00
WD	STJ	268877023	12/15/2010	K-40	9.07E+00	1.51E+01	1.98E+01
WD	STJ	268877023	12/15/2010	La-140	7.00E-01	9.93E-01	3.33E+00
WD	STJ	268877023	12/15/2010	Mn-54	-5.47E-01	6.14E-01	1.92E+00
WD	STJ	268877023	12/15/2010	Nb-95	2.80E-01	6.26E-01	2.08E+00
WD	STJ	268877023	12/15/2010	Ru-103	-6.26E-01	6.88E-01	2.26E+00
WD	STJ	268877023	12/15/2010	Ru-106	-1.89E-01	5.63E+00	1.87E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TYPE	STATION	LSN	DATE				
WD	STJ	268877023	12/15/2010	Sb-124	-2.21E-01	1.42E+00	4.69E+00
WD	STJ	268877023	12/15/2010	Sb-125	-2.17E+00	1.83E+00	5.66E+00
WD	STJ	268877023	12/15/2010	Se-75	-9.51E-01	8.93E-01	2.88E+00
WD	STJ	268877023	12/15/2010	Th-228	-1.18E+00	1.72E+00	4.57E+00
WD	STJ	268877023	12/15/2010	Zn-65	-7.43E-01	1.31E+00	4.25E+00
WD	STJ	268877023	12/15/2010	Zr-95	-7.53E-01	1.14E+00	3.65E+00
WD	STJ	268877024	12/15/2010	I-131	-2.17E-01	1.29E-01	4.20E-01
WD	LTW	268877025	12/15/2010	Ac-228	-1.74E+00	3.90E+00	9.93E+00
WD	LTW	268877025	12/15/2010	Ag-108m	5.07E-01	6.26E-01	2.06E+00
WD	LTW	268877025	12/15/2010	Ag-110m	3.36E-01	6.13E-01	2.06E+00
WD	LTW	268877025	12/15/2010	Ba-140	3.45E-01	1.03E+00	3.52E+00
WD	LTW	268877025	12/15/2010	Be-7	-5.00E+00	5.94E+00	1.85E+01
WD	LTW	268877025	12/15/2010	Ce-141	5.00E-01	1.19E+00	3.82E+00
WD	LTW	268877025	12/15/2010	Ce-144	-2.86E+00	4.64E+00	1.47E+01
WD	LTW	268877025	12/15/2010	Co-57	2.95E-01	6.18E-01	2.01E+00
WD	LTW	268877025	12/15/2010	Co-58	9.18E-01	6.48E-01	2.22E+00
WD	LTW	268877025	12/15/2010	Co-60	3.39E-03	6.89E-01	2.26E+00
WD	LTW	268877025	12/15/2010	Cr-51	3.58E-01	6.05E+00	1.99E+01
WD	LTW	268877025	12/15/2010	Cs-134	-2.01E-01	7.78E-01	2.51E+00
WD	LTW	268877025	12/15/2010	Cs-137	1.48E-01	6.75E-01	2.25E+00
WD	LTW	268877025	12/15/2010	Fe-59	8.89E-01	1.34E+00	4.58E+00
WD	LTW	268877025	12/15/2010	Gross Beta	1.93E+00	9.06E-01	2.37E+00
WD	LTW	268877025	12/15/2010	Gross Beta	1.93E+00	9.06E-01	2.37E+00
WD	LTW	268877025	12/15/2010	I-131	-1.14E+00	9.88E-01	3.11E+00
WD	LTW	268877025	12/15/2010	K-40	-1.79E+01	1.41E+01	3.22E+01
WD	LTW	268877025	12/15/2010	La-140	3.45E-01	1.03E+00	3.52E+00
WD	LTW	268877025	12/15/2010	Mn-54	-2.76E-01	6.38E-01	2.04E+00
WD	LTW	268877025	12/15/2010	Nb-95	1.04E+00	6.81E-01	2.33E+00
WD	LTW	268877025	12/15/2010	Ru-103	-3.08E-01	7.06E-01	2.36E+00
WD	LTW	268877025	12/15/2010	Ru-106	-3.98E-02	5.66E+00	1.88E+01
WD	LTW	268877025	12/15/2010	Sb-124	-3.59E-01	1.45E+00	4.77E+00
WD	LTW	268877025	12/15/2010	Sb-125	2.14E+00	1.87E+00	6.19E+00
WD	LTW	268877025	12/15/2010	Se-75	-8.85E-02	9.21E-01	3.06E+00
WD	LTW	268877025	12/15/2010	Th-228	1.37E-01	2.24E+00	4.54E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	REFERENCE		NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
		LSN	DATE				
WD	LTW	268877025	12/15/2010	Zn-65	-2.37E+00	1.34E+00	4.11E+00
WD	LTW	268877025	12/15/2010	Zr-95	-1.64E+00	1.12E+00	3.44E+00
WD	LTW	268877026	12/15/2010	I-131	-5.16E-02	1.68E-01	5.49E-01
WD	STJ	269410023	12/29/2010	Ac-228	5.51E+00	2.33E+00	8.03E+00
WD	STJ	269410023	12/29/2010	Ag-108m	1.51E-01	4.77E-01	1.61E+00
WD	STJ	269410023	12/29/2010	Ag-110m	-4.60E-01	5.34E-01	1.72E+00
WD	STJ	269410023	12/29/2010	Ba-140	1.63E+00	9.19E-01	3.21E+00
WD	STJ	269410023	12/29/2010	Be-7	1.75E+00	4.61E+00	1.56E+01
WD	STJ	269410023	12/29/2010	Ce-141	2.95E-01	8.96E-01	2.99E+00
WD	STJ	269410023	12/29/2010	Ce-144	1.30E+00	3.55E+00	1.15E+01
WD	STJ	269410023	12/29/2010	Co-57	3.96E-01	4.59E-01	1.55E+00
WD	STJ	269410023	12/29/2010	Co-58	-3.53E-02	5.47E-01	1.78E+00
WD	STJ	269410023	12/29/2010	Co-60	3.39E-01	5.90E-01	2.00E+00
WD	STJ	269410023	12/29/2010	Cr-51	-1.37E+00	5.00E+00	1.60E+01
WD	STJ	269410023	12/29/2010	Cs-134	9.27E-01	6.66E-01	2.27E+00
WD	STJ	269410023	12/29/2010	Cs-137	2.19E-01	5.94E-01	1.97E+00
WD	STJ	269410023	12/29/2010	Fe-59	-1.08E+00	1.15E+00	3.73E+00
WD	STJ	269410023	12/29/2010	Gross Beta	2.44E-02	9.91E-01	3.20E+00
WD	STJ	269410023	12/29/2010	Gross Beta	2.44E-02	9.91E-01	3.20E+00
WD	STJ	269410023	12/29/2010	I-131	9.48E-01	8.54E-01	2.80E+00
WD	STJ	269410023	12/29/2010	K-40	3.46E+01	1.08E+01	1.91E+01 *
WD	STJ	269410023	12/29/2010	La-140	1.63E+00	9.16E-01	3.21E+00
WD	STJ	269410023	12/29/2010	Mn-54	3.94E-01	5.51E-01	1.83E+00
WD	STJ	269410023	12/29/2010	Nb-95	-3.45E-02	5.47E-01	1.78E+00
WD	STJ	269410023	12/29/2010	Ru-103	-7.22E-01	5.79E-01	1.87E+00
WD	STJ	269410023	12/29/2010	Ru-106	7.04E+00	5.09E+00	1.74E+01
WD	STJ	269410023	12/29/2010	Sb-124	-9.77E-01	1.37E+00	4.30E+00
WD	STJ	269410023	12/29/2010	Sb-125	-2.74E-01	1.33E+00	4.44E+00
WD	STJ	269410023	12/29/2010	Se-75	-5.21E-01	7.50E-01	2.40E+00
WD	STJ	269410023	12/29/2010	Th-228	8.42E-02	2.04E+00	3.57E+00
WD	STJ	269410023	12/29/2010	Zn-65	-7.15E-01	1.19E+00	3.89E+00
WD	STJ	269410023	12/29/2010	Zr-95	2.62E-02	9.33E-01	3.05E+00
WD	STJ	269410024	12/29/2010	I-131	-3.92E-01	1.67E-01	5.38E-01
WD	LTW	269410025	12/29/2010	Ac-228	7.31E+00	3.00E+00	6.43E+00

\* Radioactivity detected in sample (i.e., concentration &gt; 3 X standard deviation)

+ Minimum Detectable Concentration &gt; Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WD	LTW	269410025	12/29/2010	Ag-108m	-2.84E-02	4.28E-01	1.38E+00
WD	LTW	269410025	12/29/2010	Ag-110m	2.27E-01	4.51E-01	1.53E+00
WD	LTW	269410025	12/29/2010	Ba-140	-3.15E-02	7.48E-01	2.49E+00
WD	LTW	269410025	12/29/2010	Be-7	2.50E+00	3.96E+00	1.30E+01
WD	LTW	269410025	12/29/2010	Ce-141	1.39E+00	8.39E-01	2.80E+00
WD	LTW	269410025	12/29/2010	Ce-144	8.64E-01	3.20E+00	1.09E+01
WD	LTW	269410025	12/29/2010	Co-57	4.30E-01	4.15E-01	1.43E+00
WD	LTW	269410025	12/29/2010	Co-58	-3.46E-01	4.70E-01	1.52E+00
WD	LTW	269410025	12/29/2010	Co-60	-3.09E-01	5.08E-01	1.59E+00
WD	LTW	269410025	12/29/2010	Cr-51	-1.97E+00	4.85E+00	1.38E+01
WD	LTW	269410025	12/29/2010	Cs-134	5.98E-02	5.82E-01	1.94E+00
WD	LTW	269410025	12/29/2010	Cs-137	-4.50E-01	4.87E-01	1.59E+00
WD	LTW	269410025	12/29/2010	Fe-59	-4.23E-01	9.26E-01	2.96E+00
WD	LTW	269410025	12/29/2010	Gross Beta	1.57E+00	1.13E+00	3.21E+00
WD	LTW	269410025	12/29/2010	Gross Beta	1.57E+00	1.13E+00	3.21E+00
WD	LTW	269410025	12/29/2010	I-131	-7.45E-01	7.49E-01	2.38E+00
WD	LTW	269410025	12/29/2010	K-40	1.97E+01	5.56E+00	2.07E+01 *
WD	LTW	269410025	12/29/2010	La-140	-3.15E-02	7.48E-01	2.49E+00
WD	LTW	269410025	12/29/2010	Mn-54	-9.01E-01	4.54E-01	1.39E+00
WD	LTW	269410025	12/29/2010	Nb-95	4.16E-01	4.56E-01	1.56E+00
WD	LTW	269410025	12/29/2010	Ru-103	-6.44E-03	5.08E-01	1.63E+00
WD	LTW	269410025	12/29/2010	Ru-106	-5.59E+00	4.23E+00	1.37E+01
WD	LTW	269410025	12/29/2010	Sb-124	3.68E-01	1.05E+00	3.53E+00
WD	LTW	269410025	12/29/2010	Sb-125	1.69E+00	1.33E+00	4.43E+00
WD	LTW	269410025	12/29/2010	Se-75	9.01E-01	6.30E-01	2.14E+00
WD	LTW	269410025	12/29/2010	Th-228	1.29E+00	1.46E+00	3.38E+00
WD	LTW	269410025	12/29/2010	Zn-65	1.08E+00	9.93E-01	3.37E+00
WD	LTW	269410025	12/29/2010	Zr-95	1.55E-01	7.67E-01	2.57E+00
WD	LTW	269410026	12/29/2010	I-131	2.78E-01	2.20E-01	7.35E-01
WD	STJ	L16392-01	2/11/2010	H-3	1.70E+02	4.30E+02	1.30E+03
WD	LTW	L16392-02	2/11/2010	H-3	2.40E+02	4.40E+02	1.30E+03
WD	STJ	L16734-01	5/13/2010	H-3	-3.80E+02	4.00E+02	1.30E+03
WD	LTW	L16734-02	5/13/2010	H-3	-1.00E+01	4.00E+02	1.30E+03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WG	W-1	L16150-01	1/27/2010	AcTh-228	3.40E+00	7.10E+00	2.50E+01
WG	W-1	L16150-01	1/27/2010	Ag-108m	-5.00E-01	1.30E+00	4.70E+00
WG	W-1	L16150-01	1/27/2010	Ag-110m	-1.50E+00	1.90E+00	7.50E+00
WG	W-1	L16150-01	1/27/2010	Ba-140	6.00E-01	3.50E+00	1.30E+01
WG	W-1	L16150-01	1/27/2010	Be-7	-1.00E+01	1.40E+01	5.10E+01
WG	W-1	L16150-01	1/27/2010	Ce-141	-3.70E+00	1.90E+00	7.10E+00
WG	W-1	L16150-01	1/27/2010	Ce-144	9.30E+00	6.90E+00	2.30E+01
WG	W-1	L16150-01	1/27/2010	Co-57	1.50E-01	8.30E-01	2.90E+00
WG	W-1	L16150-01	1/27/2010	Co-58	-2.30E+00	1.80E+00	7.00E+00
WG	W-1	L16150-01	1/27/2010	Co-60	-1.50E+00	1.80E+00	7.20E+00
WG	W-1	L16150-01	1/27/2010	Cr-51	3.00E+00	1.30E+01	4.50E+01
WG	W-1	L16150-01	1/27/2010	Cs-134	-3.00E-01	1.20E+00	5.20E+00
WG	W-1	L16150-01	1/27/2010	Cs-137	-1.00E+00	2.10E+00	7.60E+00
WG	W-1	L16150-01	1/27/2010	Fe-59	1.00E+00	3.20E+00	1.20E+01
WG	W-1	L16150-01	1/27/2010	H-3	2.40E+02	4.50E+02	1.30E+03
WG	W-1	L16150-01	1/27/2010	I-131	-1.30E+00	2.60E+00	9.40E+00
WG	W-1	L16150-01	1/27/2010	K-40	5.40E+01	2.80E+01	9.10E+01
WG	W-1	L16150-01	1/27/2010	La-140	6.00E-01	3.50E+00	1.30E+01
WG	W-1	L16150-01	1/27/2010	Mn-54	6.00E-01	1.50E+00	5.20E+00
WG	W-1	L16150-01	1/27/2010	Nb-95	1.40E+00	2.00E+00	7.00E+00
WG	W-1	L16150-01	1/27/2010	Ru-103	-1.10E+00	1.70E+00	6.10E+00
WG	W-1	L16150-01	1/27/2010	Ru-106	6.00E+00	1.60E+01	5.40E+01
WG	W-1	L16150-01	1/27/2010	Sb-124	2.40E+00	3.70E+00	1.40E+01
WG	W-1	L16150-01	1/27/2010	Sb-125	-8.00E-01	4.20E+00	1.50E+01
WG	W-1	L16150-01	1/27/2010	Se-75	6.00E-01	1.70E+00	5.80E+00
WG	W-1	L16150-01	1/27/2010	Zn-65	-7.10E+00	3.70E+00	1.50E+01
WG	W-1	L16150-01	1/27/2010	Zr-95	-2.70E+00	2.80E+00	1.10E+01
WG	W-2	L16150-02	1/27/2010	AcTh-228	1.53E+01	7.10E+00	2.30E+01
WG	W-2	L16150-02	1/27/2010	Ag-108m	-6.00E-01	1.60E+00	5.70E+00
WG	W-2	L16150-02	1/27/2010	Ag-110m	1.10E+00	2.60E+00	9.10E+00
WG	W-2	L16150-02	1/27/2010	Ba-140	2.40E+00	3.30E+00	1.20E+01
WG	W-2	L16150-02	1/27/2010	Be-7	-3.00E+01	1.50E+01	5.80E+01
WG	W-2	L16150-02	1/27/2010	Ce-141	-4.00E+00	2.80E+00	1.00E+01
WG	W-2	L16150-02	1/27/2010	Ce-144	1.00E+00	9.80E+00	3.40E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TYPE	STATION	LSN	DATE				
WG	W-2	L16150-02	1/27/2010	Co-57	-6.00E-01	1.40E+00	4.70E+00
WG	W-2	L16150-02	1/27/2010	Co-58	8.00E-01	2.00E+00	7.10E+00
WG	W-2	L16150-02	1/27/2010	Co-60	3.00E-01	1.80E+00	6.80E+00
WG	W-2	L16150-02	1/27/2010	Cr-51	2.30E+01	1.60E+01	5.20E+01
WG	W-2	L16150-02	1/27/2010	Cs-134	1.30E+00	1.40E+00	6.30E+00
WG	W-2	L16150-02	1/27/2010	Cs-137	-3.00E-01	1.90E+00	7.00E+00
WG	W-2	L16150-02	1/27/2010	Fe-59	0.00E+00	3.90E+00	1.40E+01
WG	W-2	L16150-02	1/27/2010	H-3	2.70E+02	4.50E+02	1.30E+03
WG	W-2	L16150-02	1/27/2010	I-131	8.50E+00	3.70E+00	1.20E+01
WG	W-2	L16150-02	1/27/2010	K-40	7.10E+01	3.20E+01	1.00E+02
WG	W-2	L16150-02	1/27/2010	La-140	2.40E+00	3.30E+00	1.20E+01
WG	W-2	L16150-02	1/27/2010	Mn-54	3.00E-01	1.70E+00	6.20E+00
WG	W-2	L16150-02	1/27/2010	Nb-95	-4.20E+00	2.50E+00	9.60E+00
WG	W-2	L16150-02	1/27/2010	Ru-103	0.00E+00	2.00E+00	7.10E+00
WG	W-2	L16150-02	1/27/2010	Ru-106	-4.30E+01	1.60E+01	6.40E+01
WG	W-2	L16150-02	1/27/2010	Sb-124	1.10E+00	4.30E+00	1.60E+01
WG	W-2	L16150-02	1/27/2010	Sb-125	-4.80E+00	4.80E+00	1.80E+01
WG	W-2	L16150-02	1/27/2010	Se-75	2.70E+00	2.10E+00	7.10E+00
WG	W-2	L16150-02	1/27/2010	Zn-65	-4.50E+00	4.40E+00	1.70E+01
WG	W-2	L16150-02	1/27/2010	Zr-95	3.20E+00	3.40E+00	1.20E+01
WG	W-3	L16150-03	1/26/2010	AcTh-228	-1.13E+01	6.30E+00	2.50E+01
WG	W-3	L16150-03	1/26/2010	Ag-108m	-2.40E+00	1.30E+00	4.90E+00
WG	W-3	L16150-03	1/26/2010	Ag-110m	2.30E+00	2.30E+00	7.70E+00
WG	W-3	L16150-03	1/26/2010	Ba-140	3.00E-01	3.70E+00	1.40E+01
WG	W-3	L16150-03	1/26/2010	Be-7	1.10E+01	1.30E+01	4.30E+01
WG	W-3	L16150-03	1/26/2010	Ce-141	4.00E-01	2.10E+00	7.00E+00
WG	W-3	L16150-03	1/26/2010	Ce-144	-4.80E+00	7.70E+00	2.70E+01
WG	W-3	L16150-03	1/26/2010	Co-57	1.71E+00	8.60E-01	2.80E+00
WG	W-3	L16150-03	1/26/2010	Co-58	-2.60E+00	1.40E+00	5.70E+00
WG	W-3	L16150-03	1/26/2010	Co-60	-3.00E-01	1.80E+00	6.80E+00
WG	W-3	L16150-03	1/26/2010	Cr-51	1.30E+01	1.20E+01	4.20E+01
WG	W-3	L16150-03	1/26/2010	Cs-134	4.00E+00	1.40E+00	5.10E+00
WG	W-3	L16150-03	1/26/2010	Cs-137	1.00E+00	1.70E+00	6.10E+00
WG	W-3	L16150-03	1/26/2010	Fe-59	3.00E-01	4.20E+00	1.50E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TYPE	STATION	LSN	DATE				
WG	W-3	L16150-03	1/26/2010	H-3	6.10E+02	4.60E+02	1.30E+03
WG	W-3	L16150-03	1/26/2010	I-131	4.30E+00	3.00E+00	1.00E+01
WG	W-3	L16150-03	1/26/2010	K-40	-1.70E+01	2.10E+01	8.10E+01
WG	W-3	L16150-03	1/26/2010	La-140	3.00E-01	3.70E+00	1.40E+01
WG	W-3	L16150-03	1/26/2010	Mn-54	-2.70E+00	1.60E+00	6.40E+00
WG	W-3	L16150-03	1/26/2010	Nb-95	-3.40E+00	1.90E+00	7.50E+00
WG	W-3	L16150-03	1/26/2010	Ru-103	5.00E-01	1.50E+00	5.40E+00
WG	W-3	L16150-03	1/26/2010	Ru-106	-1.20E+01	1.60E+01	5.90E+01
WG	W-3	L16150-03	1/26/2010	Sb-124	1.30E+00	4.80E+00	1.80E+01
WG	W-3	L16150-03	1/26/2010	Sb-125	-1.40E+00	3.80E+00	1.40E+01
WG	W-3	L16150-03	1/26/2010	Se-75	1.20E+00	1.70E+00	5.80E+00
WG	W-3	L16150-03	1/26/2010	Zn-65	-6.30E+00	4.30E+00	1.70E+01
WG	W-3	L16150-03	1/26/2010	Zr-95	8.00E-01	2.70E+00	9.80E+00
WG	W-4	L16150-04	1/28/2010	AcTh-228	-7.60E+00	8.00E+00	3.10E+01
WG	W-4	L16150-04	1/28/2010	Ag-108m	2.00E+00	1.90E+00	6.30E+00
WG	W-4	L16150-04	1/28/2010	Ag-110m	-4.60E+00	3.00E+00	1.20E+01
WG	W-4	L16150-04	1/28/2010	Ba-140	-2.40E+00	3.30E+00	1.40E+01
WG	W-4	L16150-04	1/28/2010	Be-7	-6.60E+01	2.00E+01	8.30E+01
WG	W-4	L16150-04	1/28/2010	Ce-141	2.80E+00	3.60E+00	1.20E+01
WG	W-4	L16150-04	1/28/2010	Ce-144	1.00E+00	1.40E+01	4.90E+01
WG	W-4	L16150-04	1/28/2010	Co-57	4.00E-01	1.80E+00	6.10E+00
WG	W-4	L16150-04	1/28/2010	Co-58	-1.70E+00	2.00E+00	7.80E+00
WG	W-4	L16150-04	1/28/2010	Co-60	2.00E-01	2.40E+00	8.90E+00
WG	W-4	L16150-04	1/28/2010	Cr-51	-1.40E+01	2.10E+01	7.80E+01
WG	W-4	L16150-04	1/28/2010	Cs-134	0.00E+00	1.60E+00	8.20E+00
WG	W-4	L16150-04	1/28/2010	Cs-137	1.40E+00	2.00E+00	7.20E+00
WG	W-4	L16150-04	1/28/2010	Fe-59	3.80E+00	4.10E+00	1.40E+01
WG	W-4	L16150-04	1/28/2010	H-3	8.10E+02	4.70E+02	1.30E+03
WG	W-4	L16150-04	1/28/2010	I-131	1.30E+00	4.20E+00	1.50E+01
WG	W-4	L16150-04	1/28/2010	K-40	1.20E+01	2.60E+01	9.30E+01
WG	W-4	L16150-04	1/28/2010	La-140	-2.40E+00	3.30E+00	1.40E+01
WG	W-4	L16150-04	1/28/2010	Mn-54	-1.60E+00	2.20E+00	8.40E+00
WG	W-4	L16150-04	1/28/2010	Nb-95	-3.20E+00	2.50E+00	9.80E+00
WG	W-4	L16150-04	1/28/2010	Ru-103	1.20E+00	2.50E+00	8.70E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TYPE	STATION	LSN	DATE				
WG	W-4	L16150-04	1/28/2010	Ru-106	-1.00E+01	2.20E+01	8.10E+01
WG	W-4	L16150-04	1/28/2010	Sb-124	2.30E+00	5.40E+00	2.00E+01
WG	W-4	L16150-04	1/28/2010	Sb-125	-4.70E+00	5.60E+00	2.10E+01
WG	W-4	L16150-04	1/28/2010	Se-75	-7.00E-01	3.10E+00	1.10E+01
WG	W-4	L16150-04	1/28/2010	Zn-65	-2.30E+00	5.30E+00	2.00E+01
WG	W-4	L16150-04	1/28/2010	Zr-95	6.90E+00	4.10E+00	1.30E+01
WG	W-5	L16150-05	1/28/2010	AcTh-228	8.70E+00	6.90E+00	2.30E+01
WG	W-5	L16150-05	1/28/2010	Ag-108m	2.00E+00	1.70E+00	5.70E+00
WG	W-5	L16150-05	1/28/2010	Ag-110m	1.90E+00	2.60E+00	9.00E+00
WG	W-5	L16150-05	1/28/2010	Ba-140	-3.30E+00	3.70E+00	1.40E+01
WG	W-5	L16150-05	1/28/2010	Be-7	0.00E+00	1.60E+01	5.60E+01
WG	W-5	L16150-05	1/28/2010	Ce-141	-1.70E+00	2.60E+00	9.20E+00
WG	W-5	L16150-05	1/28/2010	Ce-144	1.60E+01	1.00E+01	3.30E+01
WG	W-5	L16150-05	1/28/2010	Co-57	-6.00E-01	1.30E+00	4.50E+00
WG	W-5	L16150-05	1/28/2010	Co-58	-4.80E+00	2.00E+00	7.80E+00
WG	W-5	L16150-05	1/28/2010	Co-60	-1.10E+00	2.00E+00	7.70E+00
WG	W-5	L16150-05	1/28/2010	Cr-51	-2.20E+01	1.70E+01	6.00E+01
WG	W-5	L16150-05	1/28/2010	Cs-134	0.00E+00	1.30E+00	6.50E+00
WG	W-5	L16150-05	1/28/2010	Cs-137	-4.00E+00	1.70E+00	6.90E+00
WG	W-5	L16150-05	1/28/2010	Fe-59	1.20E+00	3.80E+00	1.40E+01
WG	W-5	L16150-05	1/28/2010	H-3	7.20E+02	4.60E+02	1.30E+03
WG	W-5	L16150-05	1/28/2010	I-131	1.00E+00	3.30E+00	1.10E+01
WG	W-5	L16150-05	1/28/2010	K-40	6.20E+01	2.50E+01	7.70E+01
WG	W-5	L16150-05	1/28/2010	La-140	-3.30E+00	3.70E+00	1.40E+01
WG	W-5	L16150-05	1/28/2010	Mn-54	-8.00E-01	2.00E+00	7.10E+00
WG	W-5	L16150-05	1/28/2010	Nb-95	-2.00E-01	3.30E+00	1.20E+01
WG	W-5	L16150-05	1/28/2010	Ru-103	0.00E+00	1.90E+00	6.80E+00
WG	W-5	L16150-05	1/28/2010	Ru-106	1.50E+01	1.40E+01	4.70E+01
WG	W-5	L16150-05	1/28/2010	Sb-124	-5.10E+00	4.20E+00	1.70E+01
WG	W-5	L16150-05	1/28/2010	Sb-125	4.80E+00	5.70E+00	1.90E+01
WG	W-5	L16150-05	1/28/2010	Se-75	8.00E-01	2.30E+00	8.00E+00
WG	W-5	L16150-05	1/28/2010	Zn-65	6.50E+00	8.90E+00	3.00E+01
WG	W-5	L16150-05	1/28/2010	Zr-95	-4.80E+00	3.20E+00	1.20E+01
WG	W-6	L16150-06	1/28/2010	AcTh-228	7.10E+00	7.80E+00	2.70E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TYPE	STATION	LSN	DATE				
WG	W-6	L16150-06	1/28/2010	Ag-108m	1.00E+00	1.80E+00	6.30E+00
WG	W-6	L16150-06	1/28/2010	Ag-110m	1.70E+00	2.50E+00	9.00E+00
WG	W-6	L16150-06	1/28/2010	Ba-140	-1.30E+00	3.00E+00	1.20E+01
WG	W-6	L16150-06	1/28/2010	Be-7	-1.60E+01	1.90E+01	7.00E+01
WG	W-6	L16150-06	1/28/2010	Ce-141	4.80E+00	3.70E+00	1.20E+01
WG	W-6	L16150-06	1/28/2010	Ce-144	9.00E+00	1.20E+01	4.10E+01
WG	W-6	L16150-06	1/28/2010	Co-57	-1.20E+00	1.40E+00	5.20E+00
WG	W-6	L16150-06	1/28/2010	Co-58	-1.20E+00	2.20E+00	8.40E+00
WG	W-6	L16150-06	1/28/2010	Co-60	0.00E+00	2.10E+00	8.20E+00
WG	W-6	L16150-06	1/28/2010	Cr-51	-4.60E+01	1.90E+01	7.40E+01
WG	W-6	L16150-06	1/28/2010	Cs-134	4.00E-01	1.50E+00	7.30E+00
WG	W-6	L16150-06	1/28/2010	Cs-137	-1.40E+00	2.10E+00	8.10E+00
WG	W-6	L16150-06	1/28/2010	Fe-59	-3.30E+00	4.40E+00	1.70E+01
WG	W-6	L16150-06	1/28/2010	H-3	9.90E+02	4.80E+02	1.30E+03
WG	W-6	L16150-06	1/28/2010	I-131	1.60E+00	3.60E+00	1.20E+01
WG	W-6	L16150-06	1/28/2010	K-40	2.00E+00	3.00E+01	1.10E+02
WG	W-6	L16150-06	1/28/2010	La-140	-1.30E+00	3.00E+00	1.20E+01
WG	W-6	L16150-06	1/28/2010	Mn-54	3.00E-01	1.70E+00	6.40E+00
WG	W-6	L16150-06	1/28/2010	Nb-95	-4.00E+00	2.30E+00	9.40E+00
WG	W-6	L16150-06	1/28/2010	Ru-103	-4.10E+00	2.20E+00	8.60E+00
WG	W-6	L16150-06	1/28/2010	Ru-106	-1.20E+01	1.70E+01	6.50E+01
WG	W-6	L16150-06	1/28/2010	Sb-124	-3.30E+00	5.00E+00	2.10E+01
WG	W-6	L16150-06	1/28/2010	Sb-125	-5.40E+00	5.90E+00	2.20E+01
WG	W-6	L16150-06	1/28/2010	Se-75	-2.00E-01	2.60E+00	9.20E+00
WG	W-6	L16150-06	1/28/2010	Zn-65	1.36E+01	8.10E+00	2.70E+01
WG	W-6	L16150-06	1/28/2010	Zr-95	3.20E+00	2.90E+00	1.00E+01
WG	W-7	L16150-07	1/26/2010	AcTh-228	3.20E+00	7.00E+00	2.50E+01
WG	W-7	L16150-07	1/26/2010	Ag-108m	6.00E-01	1.30E+00	4.60E+00
WG	W-7	L16150-07	1/26/2010	Ag-110m	0.00E+00	2.20E+00	8.10E+00
WG	W-7	L16150-07	1/26/2010	Ba-140	-2.50E+00	3.50E+00	1.40E+01
WG	W-7	L16150-07	1/26/2010	Be-7	1.70E+01	1.40E+01	4.50E+01
WG	W-7	L16150-07	1/26/2010	Ce-141	-2.60E+00	2.20E+00	7.70E+00
WG	W-7	L16150-07	1/26/2010	Ce-144	-4.20E+00	6.90E+00	2.40E+01
WG	W-7	L16150-07	1/26/2010	Co-57	-1.70E-01	8.30E-01	2.90E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WG	W-7	L16150-07	1/26/2010	Co-58	1.60E+00	1.70E+00	6.00E+00
WG	W-7	L16150-07	1/26/2010	Co-60	-1.40E+00	1.70E+00	6.90E+00
WG	W-7	L16150-07	1/26/2010	Cr-51	-2.00E+00	1.30E+01	4.60E+01
WG	W-7	L16150-07	1/26/2010	Cs-134	5.00E-01	1.40E+00	6.50E+00
WG	W-7	L16150-07	1/26/2010	Cs-137	3.00E-01	1.70E+00	6.00E+00
WG	W-7	L16150-07	1/26/2010	Fe-59	-3.10E+00	3.30E+00	1.30E+01
WG	W-7	L16150-07	1/26/2010	H-3	-1.00E+02	4.50E+02	1.30E+03
WG	W-7	L16150-07	1/26/2010	I-131	2.70E+00	3.30E+00	1.10E+01
WG	W-7	L16150-07	1/26/2010	K-40	4.10E+01	3.00E+01	1.00E+02
WG	W-7	L16150-07	1/26/2010	La-140	-2.50E+00	3.50E+00	1.40E+01
WG	W-7	L16150-07	1/26/2010	Mn-54	1.70E+00	1.60E+00	5.60E+00
WG	W-7	L16150-07	1/26/2010	Nb-95	1.30E+00	1.90E+00	6.50E+00
WG	W-7	L16150-07	1/26/2010	Ru-103	5.00E-01	1.70E+00	6.00E+00
WG	W-7	L16150-07	1/26/2010	Ru-106	-1.20E+01	1.50E+01	5.50E+01
WG	W-7	L16150-07	1/26/2010	Sb-124	2.50E+00	4.80E+00	1.70E+01
WG	W-7	L16150-07	1/26/2010	Sb-125	4.00E+00	4.30E+00	1.50E+01
WG	W-7	L16150-07	1/26/2010	Se-75	1.70E+00	1.60E+00	5.50E+00
WG	W-7	L16150-07	1/26/2010	Zn-65	-6.60E+00	4.00E+00	1.60E+01
WG	W-7	L16150-07	1/26/2010	Zr-95	-2.40E+00	3.10E+00	1.20E+01
WG	W-8	L16150-08	1/27/2010	AcTh-228	1.26E+01	7.20E+00	2.30E+01
WG	W-8	L16150-08	1/27/2010	Ag-108m	9.00E-01	1.50E+00	5.40E+00
WG	W-8	L16150-08	1/27/2010	Ag-110m	0.00E+00	2.50E+00	9.20E+00
WG	W-8	L16150-08	1/27/2010	Ba-140	-3.60E+00	3.50E+00	1.40E+01
WG	W-8	L16150-08	1/27/2010	Be-7	7.00E+00	1.80E+01	6.30E+01
WG	W-8	L16150-08	1/27/2010	Ce-141	1.10E+00	3.40E+00	1.20E+01
WG	W-8	L16150-08	1/27/2010	Ce-144	1.20E+01	1.10E+01	3.60E+01
WG	W-8	L16150-08	1/27/2010	Co-57	9.00E-01	1.40E+00	4.70E+00
WG	W-8	L16150-08	1/27/2010	Co-58	-8.00E-01	1.80E+00	7.00E+00
WG	W-8	L16150-08	1/27/2010	Co-60	0.00E+00	2.00E+00	7.40E+00
WG	W-8	L16150-08	1/27/2010	Cr-51	-4.00E+00	1.80E+01	6.40E+01
WG	W-8	L16150-08	1/27/2010	Cs-134	3.00E-01	1.30E+00	6.00E+00
WG	W-8	L16150-08	1/27/2010	Cs-137	3.90E+00	2.00E+00	6.50E+00
WG	W-8	L16150-08	1/27/2010	Fe-59	-5.20E+00	4.20E+00	1.70E+01
WG	W-8	L16150-08	1/27/2010	H-3	-4.20E+02	4.40E+02	1.30E+03

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WG	W-8	L16150-08	1/27/2010	I-131	-4.80E+00	3.70E+00	1.40E+01
WG	W-8	L16150-08	1/27/2010	K-40	-1.60E+01	2.60E+01	9.80E+01
WG	W-8	L16150-08	1/27/2010	La-140	-3.60E+00	3.50E+00	1.40E+01
WG	W-8	L16150-08	1/27/2010	Mn-54	-5.40E+00	1.70E+00	7.40E+00
WG	W-8	L16150-08	1/27/2010	Nb-95	-6.70E+00	2.50E+00	1.00E+01
WG	W-8	L16150-08	1/27/2010	Ru-103	5.20E+00	2.30E+00	7.20E+00
WG	W-8	L16150-08	1/27/2010	Ru-106	1.00E+00	1.50E+01	5.50E+01
WG	W-8	L16150-08	1/27/2010	Sb-124	4.70E+00	4.80E+00	1.70E+01
WG	W-8	L16150-08	1/27/2010	Sb-125	-4.30E+00	5.20E+00	1.90E+01
WG	W-8	L16150-08	1/27/2010	Se-75	-1.10E+00	2.30E+00	8.20E+00
WG	W-8	L16150-08	1/27/2010	Zn-65	8.80E+00	6.30E+00	2.10E+01
WG	W-8	L16150-08	1/27/2010	Zr-95	-7.10E+00	3.60E+00	1.40E+01
WG	W-9	L16150-09	1/27/2010	AcTh-228	5.30E+00	7.70E+00	2.70E+01
WG	W-9	L16150-09	1/27/2010	Ag-108m	-2.50E+00	1.90E+00	7.10E+00
WG	W-9	L16150-09	1/27/2010	Ag-110m	4.00E-01	2.20E+00	8.40E+00
WG	W-9	L16150-09	1/27/2010	Ba-140	-1.50E+00	3.50E+00	1.40E+01
WG	W-9	L16150-09	1/27/2010	Be-7	4.00E+00	1.50E+01	5.30E+01
WG	W-9	L16150-09	1/27/2010	Ce-141	-3.70E+00	2.70E+00	1.00E+01
WG	W-9	L16150-09	1/27/2010	Ce-144	3.50E+00	9.70E+00	3.40E+01
WG	W-9	L16150-09	1/27/2010	Co-57	-1.20E+00	1.30E+00	4.70E+00
WG	W-9	L16150-09	1/27/2010	Co-58	1.90E+00	1.90E+00	6.70E+00
WG	W-9	L16150-09	1/27/2010	Co-60	4.00E-01	2.20E+00	8.20E+00
WG	W-9	L16150-09	1/27/2010	Cr-51	-2.80E+01	1.80E+01	6.80E+01
WG	W-9	L16150-09	1/27/2010	Cs-134	1.60E+00	1.70E+00	7.80E+00
WG	W-9	L16150-09	1/27/2010	Cs-137	-1.00E-01	1.80E+00	6.70E+00
WG	W-9	L16150-09	1/27/2010	Fe-59	6.40E+00	4.60E+00	1.50E+01
WG	W-9	L16150-09	1/27/2010	H-3	-5.20E+02	4.40E+02	1.30E+03
WG	W-9	L16150-09	1/27/2010	I-131	1.60E+00	3.50E+00	1.20E+01
WG	W-9	L16150-09	1/27/2010	K-40	1.60E+01	3.10E+01	1.10E+02
WG	W-9	L16150-09	1/27/2010	La-140	-1.50E+00	3.50E+00	1.40E+01
WG	W-9	L16150-09	1/27/2010	Mn-54	-1.50E+00	1.70E+00	6.90E+00
WG	W-9	L16150-09	1/27/2010	Nb-95	-1.00E+00	2.00E+00	7.70E+00
WG	W-9	L16150-09	1/27/2010	Ru-103	1.20E+00	2.00E+00	7.10E+00
WG	W-9	L16150-09	1/27/2010	Ru-106	-1.10E+01	1.90E+01	7.10E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE		CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
			DATE	NUCLIDE			
WG	W-9	L16150-09	1/27/2010	Sb-124	-1.40E+00	4.70E+00	1.90E+01
WG	W-9	L16150-09	1/27/2010	Sb-125	-1.20E+00	5.30E+00	1.90E+01
WG	W-9	L16150-09	1/27/2010	Se-75	1.60E+00	2.30E+00	8.00E+00
WG	W-9	L16150-09	1/27/2010	Zn-65	-1.90E+00	3.90E+00	1.60E+01
WG	W-9	L16150-09	1/27/2010	Zr-95	-2.80E+00	3.50E+00	1.40E+01
WG	W-10	L16150-10	1/26/2010	AcTh-228	9.40E+00	8.50E+00	2.90E+01
WG	W-10	L16150-10	1/26/2010	Ag-108m	3.00E-01	1.60E+00	5.80E+00
WG	W-10	L16150-10	1/26/2010	Ag-110m	-7.00E-01	2.40E+00	9.30E+00
WG	W-10	L16150-10	1/26/2010	Ba-140	-1.70E+00	3.50E+00	1.50E+01
WG	W-10	L16150-10	1/26/2010	Be-7	-9.00E+00	1.70E+01	6.20E+01
WG	W-10	L16150-10	1/26/2010	Ce-141	6.00E-01	2.20E+00	7.70E+00
WG	W-10	L16150-10	1/26/2010	Ce-144	1.12E+01	8.40E+00	2.80E+01
WG	W-10	L16150-10	1/26/2010	Co-57	1.40E+00	1.00E+00	3.40E+00
WG	W-10	L16150-10	1/26/2010	Co-58	1.80E+00	2.30E+00	7.90E+00
WG	W-10	L16150-10	1/26/2010	Co-60	1.00E+00	2.40E+00	8.80E+00
WG	W-10	L16150-10	1/26/2010	Cr-51	3.00E+00	1.50E+01	5.20E+01
WG	W-10	L16150-10	1/26/2010	Cs-134	-1.00E-01	1.40E+00	6.80E+00
WG	W-10	L16150-10	1/26/2010	Cs-137	4.00E+00	2.50E+00	8.10E+00
WG	W-10	L16150-10	1/26/2010	Fe-59	2.80E+00	3.90E+00	1.40E+01
WG	W-10	L16150-10	1/26/2010	H-3	-2.70E+02	4.40E+02	1.30E+03
WG	W-10	L16150-10	1/26/2010	I-131	-2.20E+00	3.30E+00	1.20E+01
WG	W-10	L16150-10	1/26/2010	K-40	6.20E+01	3.10E+01	9.70E+01
WG	W-10	L16150-10	1/26/2010	La-140	-1.70E+00	3.50E+00	1.50E+01
WG	W-10	L16150-10	1/26/2010	Mn-54	1.70E+00	1.90E+00	6.70E+00
WG	W-10	L16150-10	1/26/2010	Nb-95	-4.10E+00	2.20E+00	9.00E+00
WG	W-10	L16150-10	1/26/2010	Ru-103	-2.90E+00	2.10E+00	7.90E+00
WG	W-10	L16150-10	1/26/2010	Ru-106	1.50E+01	1.70E+01	5.70E+01
WG	W-10	L16150-10	1/26/2010	Sb-124	-5.60E+00	4.30E+00	1.90E+01
WG	W-10	L16150-10	1/26/2010	Sb-125	-5.00E-01	4.60E+00	1.70E+01
WG	W-10	L16150-10	1/26/2010	Se-75	7.00E-01	2.10E+00	7.40E+00
WG	W-10	L16150-10	1/26/2010	Zn-65	-2.10E+00	3.70E+00	1.50E+01
WG	W-10	L16150-10	1/26/2010	Zr-95	6.00E-01	3.70E+00	1.30E+01
WG	W-11	L16150-11	1/26/2010	AcTh-228	8.80E+00	4.00E+00	1.30E+01
WG	W-11	L16150-11	1/26/2010	Ag-108m	5.00E-01	9.80E-01	3.30E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WG	W-11	L16150-11	1/26/2010	Ag-110m	-1.10E+00	1.50E+00	5.30E+00
WG	W-11	L16150-11	1/26/2010	Ba-140	6.00E-01	2.90E+00	1.00E+01
WG	W-11	L16150-11	1/26/2010	Be-7	1.00E+01	1.10E+01	3.60E+01
WG	W-11	L16150-11	1/26/2010	Ce-141	-3.20E+00	3.00E+00	1.00E+01
WG	W-11	L16150-11	1/26/2010	Ce-144	2.40E+00	5.90E+00	2.00E+01
WG	W-11	L16150-11	1/26/2010	Co-57	1.14E+00	7.60E-01	2.50E+00
WG	W-11	L16150-11	1/26/2010	Co-58	1.70E+00	1.20E+00	4.00E+00
WG	W-11	L16150-11	1/26/2010	Co-60	2.00E+00	1.10E+00	3.70E+00
WG	W-11	L16150-11	1/26/2010	Cr-51	5.00E+00	1.10E+01	3.80E+01
WG	W-11	L16150-11	1/26/2010	Cs-134	6.30E-01	9.50E-01	3.90E+00
WG	W-11	L16150-11	1/26/2010	Cs-137	2.00E-01	1.20E+00	4.00E+00
WG	W-11	L16150-11	1/26/2010	Fe-59	5.30E+00	2.50E+00	8.20E+00
WG	W-11	L16150-11	1/26/2010	H-3	-2.00E+02	4.50E+02	1.30E+03
WG	W-11	L16150-11	1/26/2010	I-131	1.50E+00	3.50E+00	1.20E+01
WG	W-11	L16150-11	1/26/2010	K-40	3.00E+00	1.80E+01	6.10E+01
WG	W-11	L16150-11	1/26/2010	La-140	6.00E-01	2.90E+00	1.00E+01
WG	W-11	L16150-11	1/26/2010	Mn-54	-1.20E+00	1.10E+00	3.90E+00
WG	W-11	L16150-11	1/26/2010	Nb-95	-1.50E+00	1.50E+00	5.30E+00
WG	W-11	L16150-11	1/26/2010	Ru-103	-2.80E+00	1.40E+00	5.00E+00
WG	W-11	L16150-11	1/26/2010	Ru-106	-7.00E-01	9.50E+00	3.30E+01
WG	W-11	L16150-11	1/26/2010	Sb-124	-8.80E+00	2.90E+00	1.20E+01
WG	W-11	L16150-11	1/26/2010	Sb-125	1.60E+00	3.20E+00	1.10E+01
WG	W-11	L16150-11	1/26/2010	Se-75	-1.30E+00	1.40E+00	4.70E+00
WG	W-11	L16150-11	1/26/2010	Zn-65	1.60E+00	3.30E+00	1.10E+01
WG	W-11	L16150-11	1/26/2010	Zr-95	-6.00E-01	2.10E+00	7.40E+00
WG	W-12	L16150-12	1/26/2010	AcTh-228	-2.90E+00	8.20E+00	3.00E+01
WG	W-12	L16150-12	1/26/2010	Ag-108m	1.70E+00	1.80E+00	6.10E+00
WG	W-12	L16150-12	1/26/2010	Ag-110m	-1.50E+00	2.70E+00	1.00E+01
WG	W-12	L16150-12	1/26/2010	Ba-140	1.26E+01	4.60E+00	1.30E+01
WG	W-12	L16150-12	1/26/2010	Be-7	-4.00E+00	1.80E+01	6.70E+01
WG	W-12	L16150-12	1/26/2010	Ce-141	-5.00E-01	3.20E+00	1.10E+01
WG	W-12	L16150-12	1/26/2010	Ce-144	-5.00E+00	1.20E+01	4.30E+01
WG	W-12	L16150-12	1/26/2010	Co-57	-1.00E-01	1.50E+00	5.40E+00
WG	W-12	L16150-12	1/26/2010	Co-58	3.30E+00	2.20E+00	7.10E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TYPE	STATION	LSN	DATE				
WG	W-12	L16150-12	1/26/2010	Co-60	-3.50E+00	2.30E+00	9.50E+00
WG	W-12	L16150-12	1/26/2010	Cr-51	1.70E+01	2.00E+01	7.00E+01
WG	W-12	L16150-12	1/26/2010	Cs-134	-8.00E-01	1.70E+00	7.40E+00
WG	W-12	L16150-12	1/26/2010	Cs-137	-1.00E+00	2.00E+00	7.40E+00
WG	W-12	L16150-12	1/26/2010	Fe-59	1.30E+00	3.90E+00	1.40E+01
WG	W-12	L16150-12	1/26/2010	H-3	-1.20E+02	4.40E+02	1.30E+03
WG	W-12	L16150-12	1/26/2010	I-131	4.00E-01	4.40E+00	1.50E+01
WG	W-12	L16150-12	1/26/2010	K-40	1.70E+01	2.90E+01	1.00E+02
WG	W-12	L16150-12	1/26/2010	La-140	1.26E+01	4.60E+00	1.30E+01
WG	W-12	L16150-12	1/26/2010	Mn-54	8.00E-01	2.00E+00	7.20E+00
WG	W-12	L16150-12	1/26/2010	Nb-95	-3.00E-01	2.50E+00	9.20E+00
WG	W-12	L16150-12	1/26/2010	Ru-103	-2.30E+00	2.50E+00	9.20E+00
WG	W-12	L16150-12	1/26/2010	Ru-106	1.10E+01	2.20E+01	7.50E+01
WG	W-12	L16150-12	1/26/2010	Sb-124	-9.80E+00	4.20E+00	2.00E+01
WG	W-12	L16150-12	1/26/2010	Sb-125	-4.50E+00	5.10E+00	1.90E+01
WG	W-12	L16150-12	1/26/2010	Se-75	-4.20E+00	2.60E+00	9.70E+00
WG	W-12	L16150-12	1/26/2010	Zn-65	-8.50E+00	4.60E+00	1.90E+01
WG	W-12	L16150-12	1/26/2010	Zr-95	-1.00E-01	2.90E+00	1.10E+01
WG	W-13	L16150-13	1/26/2010	AcTh-228	-5.80E+00	5.80E+00	2.20E+01
WG	W-13	L16150-13	1/26/2010	Ag-108m	4.00E-01	1.30E+00	4.60E+00
WG	W-13	L16150-13	1/26/2010	Ag-110m	1.60E+00	2.00E+00	6.90E+00
WG	W-13	L16150-13	1/26/2010	Ba-140	0.00E+00	3.90E+00	1.40E+01
WG	W-13	L16150-13	1/26/2010	Be-7	2.10E+01	1.60E+01	5.30E+01
WG	W-13	L16150-13	1/26/2010	Ce-141	-1.90E+00	2.70E+00	9.50E+00
WG	W-13	L16150-13	1/26/2010	Ce-144	-1.70E+01	9.00E+00	3.30E+01
WG	W-13	L16150-13	1/26/2010	Co-57	0.00E+00	1.20E+00	4.10E+00
WG	W-13	L16150-13	1/26/2010	Co-58	-1.40E+00	1.30E+00	5.10E+00
WG	W-13	L16150-13	1/26/2010	Co-60	-5.00E-01	1.40E+00	5.30E+00
WG	W-13	L16150-13	1/26/2010	Cr-51	2.80E+01	1.70E+01	5.70E+01
WG	W-13	L16150-13	1/26/2010	Cs-134	1.40E+00	1.40E+00	5.60E+00
WG	W-13	L16150-13	1/26/2010	Cs-137	-2.70E+00	1.70E+00	6.50E+00
WG	W-13	L16150-13	1/26/2010	Fe-59	4.50E+00	3.60E+00	1.20E+01
WG	W-13	L16150-13	1/26/2010	H-3	-8.00E+01	4.50E+02	1.30E+03
WG	W-13	L16150-13	1/26/2010	I-131	-2.00E+00	4.30E+00	1.50E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WG	W-13	L16150-13	1/26/2010	K-40	4.80E+01	1.70E+01	4.90E+01
WG	W-13	L16150-13	1/26/2010	La-140	0.00E+00	3.90E+00	1.40E+01
WG	W-13	L16150-13	1/26/2010	Mn-54	-2.90E+00	1.70E+00	6.30E+00
WG	W-13	L16150-13	1/26/2010	Nb-95	-1.20E+00	1.90E+00	6.80E+00
WG	W-13	L16150-13	1/26/2010	Ru-103	-4.60E+00	2.10E+00	7.80E+00
WG	W-13	L16150-13	1/26/2010	Ru-106	-1.20E+01	1.50E+01	5.50E+01
WG	W-13	L16150-13	1/26/2010	Sb-124	3.60E+00	3.70E+00	1.30E+01
WG	W-13	L16150-13	1/26/2010	Sb-125	2.70E+00	4.10E+00	1.40E+01
WG	W-13	L16150-13	1/26/2010	Se-75	-8.00E-01	2.00E+00	7.00E+00
WG	W-13	L16150-13	1/26/2010	Zn-65	-1.60E+00	3.50E+00	1.30E+01
WG	W-13	L16150-13	1/26/2010	Zr-95	1.40E+00	2.70E+00	9.40E+00
WG	W-14	L16150-14	1/26/2010	AcTh-228	-1.10E+00	6.50E+00	2.30E+01
WG	W-14	L16150-14	1/26/2010	Ag-108m	-2.00E-01	1.30E+00	4.60E+00
WG	W-14	L16150-14	1/26/2010	Ag-110m	1.70E+00	1.90E+00	6.50E+00
WG	W-14	L16150-14	1/26/2010	Ba-140	6.00E-01	3.90E+00	1.40E+01
WG	W-14	L16150-14	1/26/2010	Be-7	-1.10E+01	1.30E+01	4.70E+01
WG	W-14	L16150-14	1/26/2010	Ce-141	-3.20E+00	2.00E+00	7.10E+00
WG	W-14	L16150-14	1/26/2010	Ce-144	8.00E-01	6.60E+00	2.30E+01
WG	W-14	L16150-14	1/26/2010	Co-57	3.00E-02	8.10E-01	2.80E+00
WG	W-14	L16150-14	1/26/2010	Co-58	-2.00E+00	1.80E+00	6.60E+00
WG	W-14	L16150-14	1/26/2010	Co-60	-7.00E-01	1.80E+00	6.60E+00
WG	W-14	L16150-14	1/26/2010	Cr-51	-1.40E+01	1.40E+01	4.90E+01
WG	W-14	L16150-14	1/26/2010	Cs-134	1.00E-01	1.10E+00	4.80E+00
WG	W-14	L16150-14	1/26/2010	Cs-137	-5.00E-01	2.20E+00	7.60E+00
WG	W-14	L16150-14	1/26/2010	Fe-59	2.20E+00	3.30E+00	1.20E+01
WG	W-14	L16150-14	1/26/2010	H-3	-2.00E+01	4.30E+02	1.30E+03
WG	W-14	L16150-14	1/26/2010	I-131	-5.70E+00	3.70E+00	1.40E+01
WG	W-14	L16150-14	1/26/2010	K-40	-2.00E+00	2.30E+01	8.40E+01
WG	W-14	L16150-14	1/26/2010	La-140	6.00E-01	3.90E+00	1.40E+01
WG	W-14	L16150-14	1/26/2010	Mn-54	5.00E-01	1.40E+00	4.80E+00
WG	W-14	L16150-14	1/26/2010	Nb-95	-2.00E+00	1.90E+00	7.10E+00
WG	W-14	L16150-14	1/26/2010	Ru-103	-2.30E+00	1.70E+00	6.40E+00
WG	W-14	L16150-14	1/26/2010	Ru-106	1.70E+01	1.30E+01	4.20E+01
WG	W-14	L16150-14	1/26/2010	Sb-124	7.00E+00	4.00E+00	1.30E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TYPE	STATION	LSN	DATE				
WG	W-14	L16150-14	1/26/2010	Sb-125	-1.80E+00	3.80E+00	1.40E+01
WG	W-14	L16150-14	1/26/2010	Se-75	-3.50E+00	1.60E+00	5.90E+00
WG	W-14	L16150-14	1/26/2010	Zn-65	-3.80E+00	3.40E+00	1.30E+01
WG	W-14	L16150-14	1/26/2010	Zr-95	-3.00E+00	3.20E+00	1.20E+01
WG	W-15	L16150-15	1/26/2010	AcTh-228	-1.10E+00	6.30E+00	2.30E+01
WG	W-15	L16150-15	1/26/2010	Ag-108m	2.00E+00	1.40E+00	4.60E+00
WG	W-15	L16150-15	1/26/2010	Ag-110m	-3.00E-01	2.00E+00	7.40E+00
WG	W-15	L16150-15	1/26/2010	Ba-140	-4.20E+00	3.70E+00	1.50E+01
WG	W-15	L16150-15	1/26/2010	Be-7	2.10E+01	1.60E+01	5.50E+01
WG	W-15	L16150-15	1/26/2010	Ce-141	8.00E-01	2.90E+00	9.90E+00
WG	W-15	L16150-15	1/26/2010	Ce-144	-3.20E+00	9.80E+00	3.40E+01
WG	W-15	L16150-15	1/26/2010	Co-57	-1.10E+00	1.30E+00	4.70E+00
WG	W-15	L16150-15	1/26/2010	Co-58	-2.50E+00	1.50E+00	6.10E+00
WG	W-15	L16150-15	1/26/2010	Co-60	-2.10E+00	1.90E+00	7.40E+00
WG	W-15	L16150-15	1/26/2010	Cr-51	4.00E+00	1.70E+01	6.00E+01
WG	W-15	L16150-15	1/26/2010	Cs-134	2.40E+00	1.40E+00	5.20E+00
WG	W-15	L16150-15	1/26/2010	Cs-137	-4.00E-01	1.70E+00	6.10E+00
WG	W-15	L16150-15	1/26/2010	Fe-59	-1.90E+00	3.50E+00	1.30E+01
WG	W-15	L16150-15	1/26/2010	H-3	-2.90E+02	4.50E+02	1.30E+03
WG	W-15	L16150-15	1/26/2010	I-131	-3.80E+00	4.80E+00	1.70E+01
WG	W-15	L16150-15	1/26/2010	K-40	5.00E+00	2.00E+01	7.10E+01
WG	W-15	L16150-15	1/26/2010	La-140	-4.20E+00	3.70E+00	1.50E+01
WG	W-15	L16150-15	1/26/2010	Mn-54	7.00E-01	1.70E+00	6.10E+00
WG	W-15	L16150-15	1/26/2010	Nb-95	-2.30E+00	1.90E+00	7.40E+00
WG	W-15	L16150-15	1/26/2010	Ru-103	-6.00E-01	2.20E+00	7.80E+00
WG	W-15	L16150-15	1/26/2010	Ru-106	6.00E+00	1.60E+01	5.70E+01
WG	W-15	L16150-15	1/26/2010	Sb-124	-7.00E+00	3.90E+00	1.70E+01
WG	W-15	L16150-15	1/26/2010	Sb-125	-4.00E-01	4.50E+00	1.60E+01
WG	W-15	L16150-15	1/26/2010	Se-75	2.00E+00	2.20E+00	7.40E+00
WG	W-15	L16150-15	1/26/2010	Zn-65	-3.10E+00	3.30E+00	1.30E+01
WG	W-15	L16150-15	1/26/2010	Zr-95	-2.50E+00	2.60E+00	1.00E+01
WG	MW-20	L16150-16	1/27/2010	AcTh-228	9.80E+00	4.00E+00	1.30E+01
WG	MW-20	L16150-16	1/27/2010	Ag-108m	-7.00E-01	1.00E+00	3.70E+00
WG	MW-20	L16150-16	1/27/2010	Ag-110m	-1.80E+00	1.50E+00	5.70E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TYPE	STATION	LSN	DATE				
WG	MW-20	L16150-16	1/27/2010	Ba-140	-9.00E-01	2.50E+00	9.40E+00
WG	MW-20	L16150-16	1/27/2010	Be-7	-3.00E+00	1.00E+01	3.60E+01
WG	MW-20	L16150-16	1/27/2010	Ce-141	3.30E+00	2.60E+00	8.60E+00
WG	MW-20	L16150-16	1/27/2010	Ce-144	0.00E+00	6.60E+00	2.20E+01
WG	MW-20	L16150-16	1/27/2010	Co-57	7.30E-01	8.50E-01	2.80E+00
WG	MW-20	L16150-16	1/27/2010	Co-58	-2.00E+00	1.20E+00	4.40E+00
WG	MW-20	L16150-16	1/27/2010	Co-60	4.00E-01	1.20E+00	4.10E+00
WG	MW-20	L16150-16	1/27/2010	Cr-51	-1.00E+00	1.20E+01	4.00E+01
WG	MW-20	L16150-16	1/27/2010	Cs-134	7.00E-01	1.10E+00	4.30E+00
WG	MW-20	L16150-16	1/27/2010	Cs-137	-1.10E+00	1.20E+00	4.50E+00
WG	MW-20	L16150-16	1/27/2010	Fe-59	-5.10E+00	2.50E+00	9.60E+00
WG	MW-20	L16150-16	1/27/2010	H-3	2.00E+01	4.50E+02	1.30E+03
WG	MW-20	L16150-16	1/27/2010	I-131	-6.00E+00	3.00E+00	1.10E+01
WG	MW-20	L16150-16	1/27/2010	K-40	3.60E+01	1.90E+01	6.20E+01
WG	MW-20	L16150-16	1/27/2010	La-140	-9.00E-01	2.50E+00	9.40E+00
WG	MW-20	L16150-16	1/27/2010	Mn-54	-1.50E+00	1.20E+00	4.60E+00
WG	MW-20	L16150-16	1/27/2010	Nb-95	-8.00E-01	1.60E+00	5.50E+00
WG	MW-20	L16150-16	1/27/2010	Ru-103	-1.80E+00	1.40E+00	5.20E+00
WG	MW-20	L16150-16	1/27/2010	Ru-106	-3.40E+00	9.60E+00	3.40E+01
WG	MW-20	L16150-16	1/27/2010	Sb-124	-9.00E-01	2.90E+00	1.10E+01
WG	MW-20	L16150-16	1/27/2010	Sb-125	-5.90E+00	3.30E+00	1.20E+01
WG	MW-20	L16150-16	1/27/2010	Se-75	-8.00E-01	1.50E+00	5.20E+00
WG	MW-20	L16150-16	1/27/2010	Zn-65	-5.90E+00	2.70E+00	1.00E+01
WG	MW-20	L16150-16	1/27/2010	Zr-95	-6.00E-01	2.10E+00	7.60E+00
WG	MW-21	L16150-17	1/26/2010	AcTh-228	9.40E+00	7.50E+00	2.50E+01
WG	MW-21	L16150-17	1/26/2010	Ag-108m	-1.10E+00	1.20E+00	4.30E+00
WG	MW-21	L16150-17	1/26/2010	Ag-110m	2.20E+00	1.80E+00	6.00E+00
WG	MW-21	L16150-17	1/26/2010	Ba-140	2.50E+00	3.30E+00	1.20E+01
WG	MW-21	L16150-17	1/26/2010	Be-7	2.10E+01	1.10E+01	3.60E+01
WG	MW-21	L16150-17	1/26/2010	Ce-141	-9.00E-01	1.90E+00	6.40E+00
WG	MW-21	L16150-17	1/26/2010	Ce-144	1.10E+00	5.80E+00	2.00E+01
WG	MW-21	L16150-17	1/26/2010	Co-57	-1.00E-01	7.40E-01	2.60E+00
WG	MW-21	L16150-17	1/26/2010	Co-58	-5.00E-01	1.60E+00	5.70E+00
WG	MW-21	L16150-17	1/26/2010	Co-60	-2.90E+00	1.70E+00	6.70E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE		CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
			DATE	NUCLIDE			
WG	MW-21	L16150-17	1/26/2010	Cr-51	4.00E+00	1.20E+01	4.20E+01
WG	MW-21	L16150-17	1/26/2010	Cs-134	1.59E+00	9.60E-01	4.50E+00
WG	MW-21	L16150-17	1/26/2010	Cs-137	1.70E+00	1.90E+00	6.50E+00
WG	MW-21	L16150-17	1/26/2010	Fe-59	-8.00E+00	3.10E+00	1.30E+01
WG	MW-21	L16150-17	1/26/2010	H-3	7.00E+01	4.50E+02	1.30E+03
WG	MW-21	L16150-17	1/26/2010	I-131	1.50E+00	3.30E+00	1.10E+01
WG	MW-21	L16150-17	1/26/2010	K-40	3.00E+01	2.40E+01	8.20E+01
WG	MW-21	L16150-17	1/26/2010	La-140	2.50E+00	3.30E+00	1.20E+01
WG	MW-21	L16150-17	1/26/2010	Mn-54	-6.00E-01	1.40E+00	5.00E+00
WG	MW-21	L16150-17	1/26/2010	Nb-95	1.10E+00	1.80E+00	6.10E+00
WG	MW-21	L16150-17	1/26/2010	Ru-103	-7.00E-01	1.60E+00	5.60E+00
WG	MW-21	L16150-17	1/26/2010	Ru-106	1.00E+01	1.20E+01	4.10E+01
WG	MW-21	L16150-17	1/26/2010	Sb-124	-3.50E+00	3.70E+00	1.50E+01
WG	MW-21	L16150-17	1/26/2010	Sb-125	-2.50E+00	3.50E+00	1.20E+01
WG	MW-21	L16150-17	1/26/2010	Se-75	9.00E-01	1.50E+00	5.20E+00
WG	MW-21	L16150-17	1/26/2010	Zn-65	-4.50E+00	3.30E+00	1.30E+01
WG	MW-21	L16150-17	1/26/2010	Zr-95	2.20E+00	2.60E+00	8.80E+00
WG	W-1	L16473-01	4/27/2010	AcTh-228	-4.30E+00	5.60E+00	2.00E+01
WG	W-1	L16473-01	4/27/2010	Ag-108m	-3.90E-01	9.70E-01	3.50E+00
WG	W-1	L16473-01	4/27/2010	Ag-110m	2.90E+00	1.90E+00	6.20E+00
WG	W-1	L16473-01	4/27/2010	Ba-140	-2.40E+00	3.90E+00	1.50E+01
WG	W-1	L16473-01	4/27/2010	Be-7	1.40E+01	1.00E+01	3.40E+01
WG	W-1	L16473-01	4/27/2010	Ce-141	-1.90E+00	1.90E+00	6.70E+00
WG	W-1	L16473-01	4/27/2010	Ce-144	-4.70E+00	6.30E+00	2.20E+01
WG	W-1	L16473-01	4/27/2010	Co-57	4.80E-01	8.00E-01	2.70E+00
WG	W-1	L16473-01	4/27/2010	Co-58	-1.50E+00	1.30E+00	4.80E+00
WG	W-1	L16473-01	4/27/2010	Co-60	-2.00E-01	1.60E+00	5.70E+00
WG	W-1	L16473-01	4/27/2010	Cr-51	2.00E+00	1.10E+01	3.70E+01
WG	W-1	L16473-01	4/27/2010	Cs-134	-1.00E-01	1.10E+00	4.90E+00
WG	W-1	L16473-01	4/27/2010	Cs-137	7.00E-01	1.30E+00	4.50E+00
WG	W-1	L16473-01	4/27/2010	Fe-59	-2.60E+00	3.00E+00	1.10E+01
WG	W-1	L16473-01	4/27/2010	H-3	3.50E+02	4.50E+02	1.30E+03
WG	W-1	L16473-01	4/27/2010	I-131	-2.00E+00	3.20E+00	1.20E+01
WG	W-1	L16473-01	4/27/2010	K-40	-1.10E+01	2.10E+01	7.70E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE		CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
			DATE	NUCLIDE			
WG	W-1	L16473-01	4/27/2010	La-140	-2.40E+00	3.90E+00	1.50E+01
WG	W-1	L16473-01	4/27/2010	Mn-54	5.00E-01	1.20E+00	4.30E+00
WG	W-1	L16473-01	4/27/2010	Nb-95	5.00E-01	1.70E+00	5.80E+00
WG	W-1	L16473-01	4/27/2010	Ru-103	-1.80E+00	1.40E+00	5.20E+00
WG	W-1	L16473-01	4/27/2010	Ru-106	-4.00E+00	1.20E+01	4.40E+01
WG	W-1	L16473-01	4/27/2010	Sb-124	-5.40E+00	4.00E+00	1.60E+01
WG	W-1	L16473-01	4/27/2010	Sb-125	3.10E+00	3.30E+00	1.10E+01
WG	W-1	L16473-01	4/27/2010	Se-75	2.70E+00	1.30E+00	4.30E+00
WG	W-1	L16473-01	4/27/2010	Zn-65	-5.40E+00	3.00E+00	1.20E+01
WG	W-1	L16473-01	4/27/2010	Zr-95	9.00E-01	2.50E+00	8.70E+00
WG	W-2	L16473-02	4/27/2010	AcTh-228	3.80E+00	5.80E+00	2.00E+01
WG	W-2	L16473-02	4/27/2010	Ag-108m	-7.00E-01	1.00E+00	3.70E+00
WG	W-2	L16473-02	4/27/2010	Ag-110m	-1.50E+00	2.00E+00	7.50E+00
WG	W-2	L16473-02	4/27/2010	Ba-140	-2.80E+00	3.50E+00	1.40E+01
WG	W-2	L16473-02	4/27/2010	Be-7	7.00E+00	1.10E+01	3.90E+01
WG	W-2	L16473-02	4/27/2010	Ce-141	-1.00E-01	2.10E+00	7.10E+00
WG	W-2	L16473-02	4/27/2010	Ce-144	-7.50E+00	5.40E+00	1.90E+01
WG	W-2	L16473-02	4/27/2010	Co-57	1.10E-01	7.20E-01	2.50E+00
WG	W-2	L16473-02	4/27/2010	Co-58	-3.00E-01	1.30E+00	4.60E+00
WG	W-2	L16473-02	4/27/2010	Co-60	1.00E-01	1.40E+00	5.10E+00
WG	W-2	L16473-02	4/27/2010	Cr-51	1.90E+01	1.20E+01	3.80E+01
WG	W-2	L16473-02	4/27/2010	Cs-134	1.50E+00	1.30E+00	5.00E+00
WG	W-2	L16473-02	4/27/2010	Cs-137	2.20E+00	1.30E+00	4.40E+00
WG	W-2	L16473-02	4/27/2010	Fe-59	2.80E+00	3.40E+00	1.20E+01
WG	W-2	L16473-02	4/27/2010	H-3	3.10E+02	4.30E+02	1.30E+03
WG	W-2	L16473-02	4/27/2010	I-131	-3.00E-01	4.10E+00	1.40E+01
WG	W-2	L16473-02	4/27/2010	K-40	3.70E+01	2.40E+01	7.80E+01
WG	W-2	L16473-02	4/27/2010	La-140	-2.80E+00	3.50E+00	1.40E+01
WG	W-2	L16473-02	4/27/2010	Mn-54	-4.00E-01	1.20E+00	4.30E+00
WG	W-2	L16473-02	4/27/2010	Nb-95	-8.00E-01	1.60E+00	5.90E+00
WG	W-2	L16473-02	4/27/2010	Ru-103	-2.30E+00	1.50E+00	5.50E+00
WG	W-2	L16473-02	4/27/2010	Ru-106	-7.00E+00	1.10E+01	4.10E+01
WG	W-2	L16473-02	4/27/2010	Sb-124	-7.00E-01	3.10E+00	1.20E+01
WG	W-2	L16473-02	4/27/2010	Sb-125	-3.00E-01	3.30E+00	1.20E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TYPE	STATION	LSN	DATE				
WG	W-2	L16473-02	4/27/2010	Se-75	0.00E+00	1.40E+00	4.70E+00
WG	W-2	L16473-02	4/27/2010	Zn-65	-3.30E+00	2.60E+00	1.00E+01
WG	W-2	L16473-02	4/27/2010	Zr-95	1.60E+00	2.50E+00	8.70E+00
WG	W-3	L16473-03	4/26/2010	AcTh-228	6.60E+00	4.90E+00	1.60E+01
WG	W-3	L16473-03	4/26/2010	Ag-108m	5.00E-01	1.00E+00	3.40E+00
WG	W-3	L16473-03	4/26/2010	Ag-110m	1.50E+00	1.60E+00	5.40E+00
WG	W-3	L16473-03	4/26/2010	Ba-140	4.80E+00	4.00E+00	1.30E+01
WG	W-3	L16473-03	4/26/2010	Be-7	-1.60E+01	1.30E+01	4.80E+01
WG	W-3	L16473-03	4/26/2010	Ce-141	-6.00E-01	1.50E+00	5.30E+00
WG	W-3	L16473-03	4/26/2010	Ce-144	-5.80E+00	5.30E+00	1.90E+01
WG	W-3	L16473-03	4/26/2010	Co-57	-1.40E-01	6.80E-01	2.40E+00
WG	W-3	L16473-03	4/26/2010	Co-58	-5.00E-01	1.40E+00	5.00E+00
WG	W-3	L16473-03	4/26/2010	Co-60	9.00E-01	1.50E+00	5.20E+00
WG	W-3	L16473-03	4/26/2010	Cr-51	-5.00E+00	1.20E+01	4.10E+01
WG	W-3	L16473-03	4/26/2010	Cs-134	1.10E+00	1.10E+00	5.10E+00
WG	W-3	L16473-03	4/26/2010	Cs-137	1.70E+00	1.40E+00	4.60E+00
WG	W-3	L16473-03	4/26/2010	Fe-59	-6.00E-01	2.90E+00	1.10E+01
WG	W-3	L16473-03	4/26/2010	H-3	-7.00E+01	4.30E+02	1.30E+03
WG	W-3	L16473-03	4/26/2010	I-131	7.00E-01	3.60E+00	1.20E+01
WG	W-3	L16473-03	4/26/2010	K-40	-5.00E+01	2.10E+01	7.90E+01
WG	W-3	L16473-03	4/26/2010	La-140	4.80E+00	4.00E+00	1.30E+01
WG	W-3	L16473-03	4/26/2010	Mn-54	3.00E-01	1.10E+00	3.90E+00
WG	W-3	L16473-03	4/26/2010	Nb-95	1.10E+00	1.60E+00	5.60E+00
WG	W-3	L16473-03	4/26/2010	Ru-103	-1.80E+00	1.30E+00	5.00E+00
WG	W-3	L16473-03	4/26/2010	Ru-106	5.00E+00	1.50E+01	5.00E+01
WG	W-3	L16473-03	4/26/2010	Sb-124	-4.10E+00	3.40E+00	1.40E+01
WG	W-3	L16473-03	4/26/2010	Sb-125	3.90E+00	3.00E+00	1.00E+01
WG	W-3	L16473-03	4/26/2010	Se-75	1.00E+00	1.30E+00	4.40E+00
WG	W-3	L16473-03	4/26/2010	Zn-65	0.00E+00	2.70E+00	9.60E+00
WG	W-3	L16473-03	4/26/2010	Zr-95	2.60E+00	2.40E+00	8.10E+00
WG	W-4	L16473-04	4/29/2010	AcTh-228	8.00E-01	6.00E+00	2.10E+01
WG	W-4	L16473-04	4/29/2010	Ag-108m	-2.10E+00	1.40E+00	5.20E+00
WG	W-4	L16473-04	4/29/2010	Ag-110m	-2.20E+00	2.10E+00	8.00E+00
WG	W-4	L16473-04	4/29/2010	Ba-140	3.10E+00	3.70E+00	1.30E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WG	W-4	L16473-04	4/29/2010	Be-7	-2.10E+01	1.30E+01	4.90E+01
WG	W-4	L16473-04	4/29/2010	Ce-141	-2.40E+00	2.40E+00	8.60E+00
WG	W-4	L16473-04	4/29/2010	Ce-144	-1.58E+01	7.50E+00	2.80E+01
WG	W-4	L16473-04	4/29/2010	Co-57	1.50E+00	1.00E+00	3.40E+00
WG	W-4	L16473-04	4/29/2010	Co-58	-3.40E+00	1.70E+00	6.80E+00
WG	W-4	L16473-04	4/29/2010	Co-60	2.00E-01	1.50E+00	5.40E+00
WG	W-4	L16473-04	4/29/2010	Cr-51	-3.00E+00	1.50E+01	5.40E+01
WG	W-4	L16473-04	4/29/2010	Cs-134	-3.10E+00	1.10E+00	6.00E+00
WG	W-4	L16473-04	4/29/2010	Cs-137	-1.30E+00	1.60E+00	5.80E+00
WG	W-4	L16473-04	4/29/2010	Fe-59	8.00E-01	3.50E+00	1.20E+01
WG	W-4	L16473-04	4/29/2010	H-3	1.28E+03	4.60E+02	1.30E+03
WG	W-4	L16473-04	4/29/2010	I-131	-9.20E+00	3.90E+00	1.50E+01
WG	W-4	L16473-04	4/29/2010	K-40	1.20E+01	2.20E+01	7.80E+01
WG	W-4	L16473-04	4/29/2010	La-140	3.10E+00	3.70E+00	1.30E+01
WG	W-4	L16473-04	4/29/2010	Mn-54	2.00E-01	1.40E+00	5.10E+00
WG	W-4	L16473-04	4/29/2010	Nb-95	3.00E+00	2.90E+00	9.70E+00
WG	W-4	L16473-04	4/29/2010	Ru-103	-3.90E+00	1.80E+00	7.00E+00
WG	W-4	L16473-04	4/29/2010	Ru-106	-1.30E+01	1.30E+01	4.80E+01
WG	W-4	L16473-04	4/29/2010	Sb-124	4.10E+00	3.80E+00	1.30E+01
WG	W-4	L16473-04	4/29/2010	Sb-125	1.50E+00	4.30E+00	1.50E+01
WG	W-4	L16473-04	4/29/2010	Se-75	-2.50E+00	1.80E+00	6.50E+00
WG	W-4	L16473-04	4/29/2010	Zn-65	3.50E+00	6.00E+00	2.00E+01
WG	W-4	L16473-04	4/29/2010	Zr-95	-4.10E+00	3.10E+00	1.20E+01
WG	W-5	L16473-05	4/29/2010	AcTh-228	1.20E+00	6.00E+00	2.10E+01
WG	W-5	L16473-05	4/29/2010	Ag-108m	1.50E+00	1.10E+00	3.60E+00
WG	W-5	L16473-05	4/29/2010	Ag-110m	-1.50E+00	1.90E+00	7.00E+00
WG	W-5	L16473-05	4/29/2010	Ba-140	-1.10E+00	3.80E+00	1.40E+01
WG	W-5	L16473-05	4/29/2010	Be-7	-5.00E+00	1.20E+01	4.40E+01
WG	W-5	L16473-05	4/29/2010	Ce-141	1.80E+00	1.50E+00	4.80E+00
WG	W-5	L16473-05	4/29/2010	Ce-144	-8.40E+00	5.50E+00	2.00E+01
WG	W-5	L16473-05	4/29/2010	Co-57	-4.10E-01	7.20E-01	2.50E+00
WG	W-5	L16473-05	4/29/2010	Co-58	-1.50E+00	1.40E+00	5.20E+00
WG	W-5	L16473-05	4/29/2010	Co-60	4.00E-01	1.60E+00	5.70E+00
WG	W-5	L16473-05	4/29/2010	Cr-51	-1.10E+01	1.10E+01	4.00E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WG	W-5	L16473-05	4/29/2010	Cs-134	1.10E+00	1.20E+00	5.30E+00
WG	W-5	L16473-05	4/29/2010	Cs-137	1.80E+00	1.40E+00	4.60E+00
WG	W-5	L16473-05	4/29/2010	Fe-59	3.10E+00	3.00E+00	1.00E+01
WG	W-5	L16473-05	4/29/2010	H-3	3.60E+02	4.40E+02	1.30E+03
WG	W-5	L16473-05	4/29/2010	I-131	-3.10E+00	3.80E+00	1.40E+01
WG	W-5	L16473-05	4/29/2010	K-40	3.80E+01	2.50E+01	8.40E+01
WG	W-5	L16473-05	4/29/2010	La-140	-1.10E+00	3.80E+00	1.40E+01
WG	W-5	L16473-05	4/29/2010	Mn-54	-3.00E-01	1.30E+00	4.80E+00
WG	W-5	L16473-05	4/29/2010	Nb-95	-2.60E+00	1.60E+00	6.30E+00
WG	W-5	L16473-05	4/29/2010	Ru-103	1.00E+00	1.60E+00	5.40E+00
WG	W-5	L16473-05	4/29/2010	Ru-106	-9.00E+00	1.40E+01	4.90E+01
WG	W-5	L16473-05	4/29/2010	Sb-124	-3.10E+00	3.90E+00	1.50E+01
WG	W-5	L16473-05	4/29/2010	Sb-125	0.00E+00	3.30E+00	1.20E+01
WG	W-5	L16473-05	4/29/2010	Se-75	8.00E-01	1.40E+00	4.80E+00
WG	W-5	L16473-05	4/29/2010	Zn-65	-4.00E-01	3.20E+00	1.10E+01
WG	W-5	L16473-05	4/29/2010	Zr-95	-1.70E+00	2.40E+00	9.10E+00
WG	W-6	L16473-06	4/29/2010	AcTh-228	-1.10E+00	6.00E+00	2.20E+01
WG	W-6	L16473-06	4/29/2010	Ag-108m	1.80E+00	1.30E+00	4.50E+00
WG	W-6	L16473-06	4/29/2010	Ag-110m	1.30E+00	2.00E+00	7.00E+00
WG	W-6	L16473-06	4/29/2010	Ba-140	-1.80E+00	3.80E+00	1.50E+01
WG	W-6	L16473-06	4/29/2010	Be-7	-1.40E+01	1.40E+01	5.20E+01
WG	W-6	L16473-06	4/29/2010	Ce-141	-8.40E+00	4.10E+00	1.50E+01
WG	W-6	L16473-06	4/29/2010	Ce-144	-2.90E+00	8.70E+00	3.00E+01
WG	W-6	L16473-06	4/29/2010	Co-57	-1.90E+00	1.10E+00	4.10E+00
WG	W-6	L16473-06	4/29/2010	Co-58	-2.00E-01	1.50E+00	5.50E+00
WG	W-6	L16473-06	4/29/2010	Co-60	-1.20E+00	1.50E+00	5.90E+00
WG	W-6	L16473-06	4/29/2010	Cr-51	-2.20E+01	1.50E+01	5.40E+01
WG	W-6	L16473-06	4/29/2010	Cs-134	1.60E+00	1.30E+00	5.10E+00
WG	W-6	L16473-06	4/29/2010	Cs-137	-2.00E+00	1.40E+00	5.60E+00
WG	W-6	L16473-06	4/29/2010	Fe-59	6.20E+00	2.90E+00	9.20E+00
WG	W-6	L16473-06	4/29/2010	H-3	6.30E+02	4.50E+02	1.30E+03
WG	W-6	L16473-06	4/29/2010	I-131	-5.10E+00	4.30E+00	1.60E+01
WG	W-6	L16473-06	4/29/2010	K-40	9.70E+01	1.90E+01	4.40E+01 *
WG	W-6	L16473-06	4/29/2010	La-140	-1.80E+00	3.80E+00	1.50E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WG	W-6	L16473-06	4/29/2010	Mn-54	-1.40E+00	1.50E+00	5.60E+00
WG	W-6	L16473-06	4/29/2010	Nb-95	-2.20E+00	2.10E+00	7.70E+00
WG	W-6	L16473-06	4/29/2010	Ru-103	-4.00E-01	1.70E+00	6.10E+00
WG	W-6	L16473-06	4/29/2010	Ru-106	-1.80E+01	1.30E+01	5.00E+01
WG	W-6	L16473-06	4/29/2010	Sb-124	-2.30E+00	3.80E+00	1.50E+01
WG	W-6	L16473-06	4/29/2010	Sb-125	1.10E+00	4.10E+00	1.40E+01
WG	W-6	L16473-06	4/29/2010	Se-75	1.90E+00	2.00E+00	6.60E+00
WG	W-6	L16473-06	4/29/2010	Zn-65	-8.80E+00	3.20E+00	1.40E+01
WG	W-6	L16473-06	4/29/2010	Zr-95	-4.20E+00	2.90E+00	1.10E+01
WG	W-7	L16473-07	4/27/2010	AcTh-228	-1.10E+00	5.90E+00	2.10E+01
WG	W-7	L16473-07	4/27/2010	Ag-108m	0.00E+00	1.00E+00	3.50E+00
WG	W-7	L16473-07	4/27/2010	Ag-110m	-5.00E-01	1.70E+00	6.20E+00
WG	W-7	L16473-07	4/27/2010	Ba-140	-5.00E-01	3.40E+00	1.30E+01
WG	W-7	L16473-07	4/27/2010	Be-7	1.00E+00	1.00E+01	3.70E+01
WG	W-7	L16473-07	4/27/2010	Ce-141	-1.30E+00	1.90E+00	6.40E+00
WG	W-7	L16473-07	4/27/2010	Ce-144	8.40E+00	6.00E+00	2.00E+01
WG	W-7	L16473-07	4/27/2010	Co-57	1.00E-02	7.50E-01	2.60E+00
WG	W-7	L16473-07	4/27/2010	Co-58	-1.00E-01	1.10E+00	4.00E+00
WG	W-7	L16473-07	4/27/2010	Co-60	-2.00E+00	1.40E+00	5.40E+00
WG	W-7	L16473-07	4/27/2010	Cr-51	1.10E+01	1.10E+01	3.60E+01
WG	W-7	L16473-07	4/27/2010	Cs-134	2.00E-01	1.00E+00	4.70E+00
WG	W-7	L16473-07	4/27/2010	Cs-137	-1.00E+00	1.20E+00	4.50E+00
WG	W-7	L16473-07	4/27/2010	Fe-59	-1.30E+00	3.10E+00	1.10E+01
WG	W-7	L16473-07	4/27/2010	H-3	-1.50E+02	4.30E+02	1.30E+03
WG	W-7	L16473-07	4/27/2010	I-131	3.00E+00	3.40E+00	1.10E+01
WG	W-7	L16473-07	4/27/2010	K-40	1.70E+01	2.30E+01	7.70E+01
WG	W-7	L16473-07	4/27/2010	La-140	-5.00E-01	3.40E+00	1.30E+01
WG	W-7	L16473-07	4/27/2010	Mn-54	-1.00E-01	1.10E+00	4.00E+00
WG	W-7	L16473-07	4/27/2010	Nb-95	1.60E+00	1.50E+00	5.00E+00
WG	W-7	L16473-07	4/27/2010	Ru-103	-2.00E+00	1.30E+00	4.90E+00
WG	W-7	L16473-07	4/27/2010	Ru-106	-7.00E+00	1.10E+01	3.90E+01
WG	W-7	L16473-07	4/27/2010	Sb-124	8.60E+00	3.30E+00	9.80E+00
WG	W-7	L16473-07	4/27/2010	Sb-125	1.10E+00	3.10E+00	1.10E+01
WG	W-7	L16473-07	4/27/2010	Se-75	-7.00E-01	1.30E+00	4.50E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WG	W-7	L16473-07	4/27/2010	Zn-65	-6.80E+00	3.30E+00	1.30E+01
WG	W-7	L16473-07	4/27/2010	Zr-95	5.00E-01	2.30E+00	8.20E+00
WG	W-8	L16473-08	4/26/2010	AcTh-228	-4.00E+00	5.00E+00	1.80E+01
WG	W-8	L16473-08	4/26/2010	Ag-108m	-5.00E-01	1.20E+00	4.10E+00
WG	W-8	L16473-08	4/26/2010	Ag-110m	4.00E-01	2.00E+00	7.10E+00
WG	W-8	L16473-08	4/26/2010	Ba-140	-1.00E+01	3.50E+00	1.50E+01
WG	W-8	L16473-08	4/26/2010	Be-7	-1.60E+01	1.30E+01	4.90E+01
WG	W-8	L16473-08	4/26/2010	Ce-141	2.00E-01	2.60E+00	8.70E+00
WG	W-8	L16473-08	4/26/2010	Ce-144	9.00E-01	8.00E+00	2.70E+01
WG	W-8	L16473-08	4/26/2010	Co-57	1.10E+00	1.10E+00	3.50E+00
WG	W-8	L16473-08	4/26/2010	Co-58	1.00E-01	1.40E+00	5.10E+00
WG	W-8	L16473-08	4/26/2010	Co-60	1.30E+00	1.20E+00	4.10E+00
WG	W-8	L16473-08	4/26/2010	Cr-51	6.00E+00	1.60E+01	5.40E+01
WG	W-8	L16473-08	4/26/2010	Cs-134	-1.90E-01	9.30E-01	4.60E+00
WG	W-8	L16473-08	4/26/2010	Cs-137	3.00E+00	1.30E+00	4.10E+00
WG	W-8	L16473-08	4/26/2010	Fe-59	1.00E+00	3.10E+00	1.10E+01
WG	W-8	L16473-08	4/26/2010	H-3	3.80E+02	4.30E+02	1.30E+03
WG	W-8	L16473-08	4/26/2010	I-131	-4.60E+00	4.90E+00	1.70E+01
WG	W-8	L16473-08	4/26/2010	K-40	2.90E+01	2.00E+01	6.60E+01
WG	W-8	L16473-08	4/26/2010	La-140	-1.00E+01	3.50E+00	1.50E+01
WG	W-8	L16473-08	4/26/2010	Mn-54	-3.10E+00	1.40E+00	5.30E+00
WG	W-8	L16473-08	4/26/2010	Nb-95	-6.00E-01	1.60E+00	5.80E+00
WG	W-8	L16473-08	4/26/2010	Ru-103	-2.20E+00	1.70E+00	6.20E+00
WG	W-8	L16473-08	4/26/2010	Ru-106	3.10E+01	1.40E+01	4.60E+01
WG	W-8	L16473-08	4/26/2010	Sb-124	3.40E+00	3.40E+00	1.20E+01
WG	W-8	L16473-08	4/26/2010	Sb-125	2.60E+00	3.70E+00	1.30E+01
WG	W-8	L16473-08	4/26/2010	Se-75	-6.00E-01	1.80E+00	6.30E+00
WG	W-8	L16473-08	4/26/2010	Zn-65	4.30E+00	2.70E+00	8.80E+00
WG	W-8	L16473-08	4/26/2010	Zr-95	-8.00E-01	2.40E+00	8.70E+00
WG	W-9	L16473-09	4/27/2010	AcTh-228	1.10E+00	5.50E+00	2.00E+01
WG	W-9	L16473-09	4/27/2010	Ag-108m	-1.00E+00	1.30E+00	4.70E+00
WG	W-9	L16473-09	4/27/2010	Ag-110m	-1.90E+00	1.80E+00	7.00E+00
WG	W-9	L16473-09	4/27/2010	Ba-140	7.00E-01	4.00E+00	1.50E+01
WG	W-9	L16473-09	4/27/2010	Be-7	7.00E+00	1.30E+01	4.40E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TYPE	STATION	LSN	DATE				
WG	W-9	L16473-09	4/27/2010	Ce-141	1.70E+00	2.30E+00	7.80E+00
WG	W-9	L16473-09	4/27/2010	Ce-144	-2.10E+00	6.90E+00	2.40E+01
WG	W-9	L16473-09	4/27/2010	Co-57	6.20E-01	9.20E-01	3.10E+00
WG	W-9	L16473-09	4/27/2010	Co-58	-1.40E+00	1.40E+00	5.40E+00
WG	W-9	L16473-09	4/27/2010	Co-60	1.60E+00	1.60E+00	5.40E+00
WG	W-9	L16473-09	4/27/2010	Cr-51	-1.40E+01	1.40E+01	5.20E+01
WG	W-9	L16473-09	4/27/2010	Cs-134	6.00E-01	1.20E+00	5.10E+00
WG	W-9	L16473-09	4/27/2010	Cs-137	-1.20E+00	1.40E+00	5.20E+00
WG	W-9	L16473-09	4/27/2010	Fe-59	-1.40E+00	3.30E+00	1.20E+01
WG	W-9	L16473-09	4/27/2010	H-3	2.80E+02	4.30E+02	1.30E+03
WG	W-9	L16473-09	4/27/2010	I-131	-3.40E+00	4.50E+00	1.60E+01
WG	W-9	L16473-09	4/27/2010	K-40	7.60E+01	2.30E+01	6.90E+01 *
WG	W-9	L16473-09	4/27/2010	La-140	7.00E-01	4.00E+00	1.50E+01
WG	W-9	L16473-09	4/27/2010	Mn-54	-5.00E-01	1.30E+00	4.80E+00
WG	W-9	L16473-09	4/27/2010	Nb-95	1.40E+00	1.80E+00	6.10E+00
WG	W-9	L16473-09	4/27/2010	Ru-103	-2.50E+00	1.70E+00	6.50E+00
WG	W-9	L16473-09	4/27/2010	Ru-106	-1.50E+01	1.30E+01	4.80E+01
WG	W-9	L16473-09	4/27/2010	Sb-124	3.60E+00	3.90E+00	1.40E+01
WG	W-9	L16473-09	4/27/2010	Sb-125	4.00E-01	3.90E+00	1.40E+01
WG	W-9	L16473-09	4/27/2010	Se-75	-1.80E+00	1.70E+00	6.10E+00
WG	W-9	L16473-09	4/27/2010	Zn-65	-7.00E-01	3.40E+00	1.20E+01
WG	W-9	L16473-09	4/27/2010	Zr-95	3.00E-01	2.70E+00	9.60E+00
WG	W-10	L16473-10	4/26/2010	AcTh-228	-8.40E+00	5.80E+00	2.20E+01
WG	W-10	L16473-10	4/26/2010	Ag-108m	7.00E-01	1.50E+00	5.10E+00
WG	W-10	L16473-10	4/26/2010	Ag-110m	-5.00E-01	2.00E+00	7.20E+00
WG	W-10	L16473-10	4/26/2010	Ba-140	4.10E+00	4.20E+00	1.50E+01
WG	W-10	L16473-10	4/26/2010	Be-7	2.80E+01	1.50E+01	4.90E+01
WG	W-10	L16473-10	4/26/2010	Ce-141	3.80E+00	3.40E+00	1.10E+01
WG	W-10	L16473-10	4/26/2010	Ce-144	1.70E+01	9.10E+00	3.00E+01
WG	W-10	L16473-10	4/26/2010	Co-57	6.00E-01	1.20E+00	4.00E+00
WG	W-10	L16473-10	4/26/2010	Co-58	2.00E-01	1.70E+00	6.00E+00
WG	W-10	L16473-10	4/26/2010	Co-60	9.00E-01	1.70E+00	6.10E+00
WG	W-10	L16473-10	4/26/2010	Cr-51	-1.00E+01	1.70E+01	6.00E+01
WG	W-10	L16473-10	4/26/2010	Cs-134	-2.00E+00	1.60E+00	6.40E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TYPE	STATION	LSN	DATE				
WG	W-10	L16473-10	4/26/2010	Cs-137	-7.00E-01	1.60E+00	5.90E+00
WG	W-10	L16473-10	4/26/2010	Fe-59	4.00E+00	3.50E+00	1.20E+01
WG	W-10	L16473-10	4/26/2010	H-3	-1.30E+02	4.30E+02	1.30E+03
WG	W-10	L16473-10	4/26/2010	I-131	-4.60E+00	4.90E+00	1.80E+01
WG	W-10	L16473-10	4/26/2010	K-40	-2.00E+00	2.60E+01	9.10E+01
WG	W-10	L16473-10	4/26/2010	La-140	4.10E+00	4.20E+00	1.50E+01
WG	W-10	L16473-10	4/26/2010	Mn-54	-2.00E-01	1.60E+00	5.60E+00
WG	W-10	L16473-10	4/26/2010	Nb-95	-2.00E+00	2.30E+00	8.30E+00
WG	W-10	L16473-10	4/26/2010	Ru-103	1.70E+00	2.10E+00	7.30E+00
WG	W-10	L16473-10	4/26/2010	Ru-106	7.00E+00	1.40E+01	4.80E+01
WG	W-10	L16473-10	4/26/2010	Sb-124	-4.00E-01	3.40E+00	1.30E+01
WG	W-10	L16473-10	4/26/2010	Sb-125	-2.40E+00	4.50E+00	1.60E+01
WG	W-10	L16473-10	4/26/2010	Se-75	-2.30E+00	2.00E+00	7.00E+00
WG	W-10	L16473-10	4/26/2010	Zn-65	1.28E+01	6.60E+00	2.20E+01
WG	W-10	L16473-10	4/26/2010	Zr-95	4.70E+00	3.20E+00	1.10E+01
WG	W-11	L16473-11	4/27/2010	AcTh-228	3.30E+00	6.40E+00	2.20E+01
WG	W-11	L16473-11	4/27/2010	Ag-108m	-7.30E-01	9.40E-01	3.40E+00
WG	W-11	L16473-11	4/27/2010	Ag-110m	-3.00E-01	1.60E+00	5.70E+00
WG	W-11	L16473-11	4/27/2010	Ba-140	-6.70E+00	3.80E+00	1.50E+01
WG	W-11	L16473-11	4/27/2010	Be-7	-2.00E+01	1.30E+01	4.50E+01
WG	W-11	L16473-11	4/27/2010	Ce-141	-2.00E-01	1.50E+00	5.20E+00
WG	W-11	L16473-11	4/27/2010	Ce-144	-5.30E+00	5.30E+00	1.80E+01
WG	W-11	L16473-11	4/27/2010	Co-57	-4.60E-01	6.40E-01	2.20E+00
WG	W-11	L16473-11	4/27/2010	Co-58	-1.00E-01	1.30E+00	4.60E+00
WG	W-11	L16473-11	4/27/2010	Co-60	2.40E+00	1.30E+00	4.10E+00
WG	W-11	L16473-11	4/27/2010	Cr-51	0.00E+00	1.10E+01	3.80E+01
WG	W-11	L16473-11	4/27/2010	Cs-134	-2.60E-01	8.20E-01	3.60E+00
WG	W-11	L16473-11	4/27/2010	Cs-137	2.00E+00	1.40E+00	4.70E+00
WG	W-11	L16473-11	4/27/2010	Fe-59	-6.00E+00	2.70E+00	1.10E+01
WG	W-11	L16473-11	4/27/2010	H-3	-2.80E+02	4.30E+02	1.30E+03
WG	W-11	L16473-11	4/27/2010	I-131	-1.40E+00	3.60E+00	1.30E+01
WG	W-11	L16473-11	4/27/2010	K-40	-5.40E+01	2.20E+01	8.20E+01
WG	W-11	L16473-11	4/27/2010	La-140	-6.70E+00	3.80E+00	1.50E+01
WG	W-11	L16473-11	4/27/2010	Mn-54	-2.10E+00	1.20E+00	4.40E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TYPE	STATION	LSN	DATE				
WG	W-11	L16473-11	4/27/2010	Nb-95	1.00E-01	1.60E+00	5.70E+00
WG	W-11	L16473-11	4/27/2010	Ru-103	-6.00E-01	1.40E+00	4.90E+00
WG	W-11	L16473-11	4/27/2010	Ru-106	-9.00E+00	1.50E+01	5.10E+01
WG	W-11	L16473-11	4/27/2010	Sb-124	-3.30E+00	3.20E+00	1.30E+01
WG	W-11	L16473-11	4/27/2010	Sb-125	5.10E+00	3.00E+00	9.70E+00
WG	W-11	L16473-11	4/27/2010	Se-75	-9.00E-01	1.20E+00	4.40E+00
WG	W-11	L16473-11	4/27/2010	Zn-65	1.90E+00	3.10E+00	1.00E+01
WG	W-11	L16473-11	4/27/2010	Zr-95	0.00E+00	2.40E+00	8.40E+00
WG	W-12	L16473-12	4/27/2010	AcTh-228	1.50E+00	5.50E+00	1.90E+01
WG	W-12	L16473-12	4/27/2010	Ag-108m	-4.30E-01	9.70E-01	3.40E+00
WG	W-12	L16473-12	4/27/2010	Ag-110m	3.00E+00	1.90E+00	6.20E+00
WG	W-12	L16473-12	4/27/2010	Ba-140	-4.00E+00	3.40E+00	1.30E+01
WG	W-12	L16473-12	4/27/2010	Be-7	-1.20E+01	1.10E+01	3.90E+01
WG	W-12	L16473-12	4/27/2010	Ce-141	-2.40E+00	1.90E+00	6.70E+00
WG	W-12	L16473-12	4/27/2010	Ce-144	2.80E+00	5.20E+00	1.80E+01
WG	W-12	L16473-12	4/27/2010	Co-57	-6.40E-01	6.50E-01	2.30E+00
WG	W-12	L16473-12	4/27/2010	Co-58	-5.00E-01	1.30E+00	4.80E+00
WG	W-12	L16473-12	4/27/2010	Co-60	1.20E+00	1.40E+00	5.00E+00
WG	W-12	L16473-12	4/27/2010	Cr-51	-2.20E+01	1.10E+01	4.10E+01
WG	W-12	L16473-12	4/27/2010	Cs-134	3.00E-01	1.10E+00	4.70E+00
WG	W-12	L16473-12	4/27/2010	Cs-137	-1.50E+00	1.20E+00	4.60E+00
WG	W-12	L16473-12	4/27/2010	Fe-59	-7.00E-01	2.80E+00	1.00E+01
WG	W-12	L16473-12	4/27/2010	H-3	-8.00E+01	4.30E+02	1.30E+03
WG	W-12	L16473-12	4/27/2010	I-131	0.00E+00	4.20E+00	1.40E+01
WG	W-12	L16473-12	4/27/2010	K-40	-5.00E+00	1.90E+01	6.90E+01
WG	W-12	L16473-12	4/27/2010	La-140	-4.00E+00	3.40E+00	1.30E+01
WG	W-12	L16473-12	4/27/2010	Mn-54	1.50E+00	1.30E+00	4.30E+00
WG	W-12	L16473-12	4/27/2010	Nb-95	8.00E-01	1.50E+00	5.20E+00
WG	W-12	L16473-12	4/27/2010	Ru-103	-2.70E+00	1.40E+00	5.20E+00
WG	W-12	L16473-12	4/27/2010	Ru-106	-4.00E+00	1.10E+01	3.90E+01
WG	W-12	L16473-12	4/27/2010	Sb-124	2.00E-01	3.30E+00	1.20E+01
WG	W-12	L16473-12	4/27/2010	Sb-125	2.90E+00	3.20E+00	1.10E+01
WG	W-12	L16473-12	4/27/2010	Se-75	-3.00E-01	1.30E+00	4.50E+00
WG	W-12	L16473-12	4/27/2010	Zn-65	-2.20E+00	2.40E+00	9.20E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WG	W-12	L16473-12	4/27/2010	Zr-95	1.30E+00	2.00E+00	7.10E+00
WG	W-13	L16473-13	4/26/2010	AcTh-228	8.20E+00	3.30E+00	1.00E+01
WG	W-13	L16473-13	4/26/2010	Ag-108m	2.00E-01	8.10E-01	2.80E+00
WG	W-13	L16473-13	4/26/2010	Ag-110m	1.50E+00	1.20E+00	4.00E+00
WG	W-13	L16473-13	4/26/2010	Ba-140	5.70E+00	2.80E+00	9.10E+00
WG	W-13	L16473-13	4/26/2010	Be-7	7.30E+00	8.50E+00	2.90E+01
WG	W-13	L16473-13	4/26/2010	Ce-141	-9.00E-01	1.50E+00	5.30E+00
WG	W-13	L16473-13	4/26/2010	Ce-144	-3.60E+00	4.50E+00	1.50E+01
WG	W-13	L16473-13	4/26/2010	Co-57	1.80E-01	5.70E-01	1.90E+00
WG	W-13	L16473-13	4/26/2010	Co-58	1.70E+00	1.00E+00	3.40E+00
WG	W-13	L16473-13	4/26/2010	Co-60	-6.30E-01	8.80E-01	3.20E+00
WG	W-13	L16473-13	4/26/2010	Cr-51	1.00E+01	1.10E+01	3.50E+01
WG	W-13	L16473-13	4/26/2010	Cs-134	-1.80E-01	7.50E-01	3.30E+00
WG	W-13	L16473-13	4/26/2010	Cs-137	-2.50E-01	8.50E-01	3.00E+00
WG	W-13	L16473-13	4/26/2010	Fe-59	2.00E-01	2.10E+00	7.40E+00
WG	W-13	L16473-13	4/26/2010	H-3	0.00E+00	4.50E+02	1.30E+03
WG	W-13	L16473-13	4/26/2010	I-131	3.00E+00	3.80E+00	1.30E+01
WG	W-13	L16473-13	4/26/2010	K-40	1.70E+01	1.40E+01	4.80E+01
WG	W-13	L16473-13	4/26/2010	La-140	5.70E+00	2.80E+00	9.10E+00
WG	W-13	L16473-13	4/26/2010	Mn-54	-4.50E-01	8.60E-01	3.10E+00
WG	W-13	L16473-13	4/26/2010	Nb-95	-1.10E+00	1.20E+00	4.30E+00
WG	W-13	L16473-13	4/26/2010	Ru-103	4.00E-01	1.20E+00	4.10E+00
WG	W-13	L16473-13	4/26/2010	Ru-106	5.20E+00	8.00E+00	2.70E+01
WG	W-13	L16473-13	4/26/2010	Sb-124	-2.00E+00	2.30E+00	8.60E+00
WG	W-13	L16473-13	4/26/2010	Sb-125	-3.20E+00	2.50E+00	8.70E+00
WG	W-13	L16473-13	4/26/2010	Se-75	-1.20E+00	1.10E+00	3.80E+00
WG	W-13	L16473-13	4/26/2010	Zn-65	-2.70E+00	2.00E+00	7.40E+00
WG	W-13	L16473-13	4/26/2010	Zr-95	-2.90E+00	1.80E+00	6.40E+00
WG	W-14	L16473-14	4/26/2010	AcTh-228	4.10E+00	5.20E+00	1.80E+01
WG	W-14	L16473-14	4/26/2010	Ag-108m	5.50E-01	9.70E-01	3.30E+00
WG	W-14	L16473-14	4/26/2010	Ag-110m	-2.00E-01	1.60E+00	5.60E+00
WG	W-14	L16473-14	4/26/2010	Ba-140	1.50E+00	3.70E+00	1.30E+01
WG	W-14	L16473-14	4/26/2010	Be-7	-8.00E+00	1.10E+01	3.90E+01
WG	W-14	L16473-14	4/26/2010	Ce-141	-9.00E-01	2.00E+00	6.90E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE		CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
			DATE	NUCLIDE			
WG	W-14	L16473-14	4/26/2010	Ce-144	-4.60E+00	6.10E+00	2.10E+01
WG	W-14	L16473-14	4/26/2010	Co-57	9.20E-01	7.50E-01	2.50E+00
WG	W-14	L16473-14	4/26/2010	Co-58	-5.00E-01	1.10E+00	4.20E+00
WG	W-14	L16473-14	4/26/2010	Co-60	8.00E-01	1.00E+00	3.50E+00
WG	W-14	L16473-14	4/26/2010	Cr-51	-9.00E+00	1.30E+01	4.50E+01
WG	W-14	L16473-14	4/26/2010	Cs-134	8.00E-02	8.10E-01	4.00E+00
WG	W-14	L16473-14	4/26/2010	Cs-137	-5.00E-01	1.10E+00	4.00E+00
WG	W-14	L16473-14	4/26/2010	Fe-59	-7.30E+00	2.90E+00	1.20E+01
WG	W-14	L16473-14	4/26/2010	H-3	9.00E+01	4.30E+02	1.30E+03
WG	W-14	L16473-14	4/26/2010	I-131	-3.00E+00	4.20E+00	1.50E+01
WG	W-14	L16473-14	4/26/2010	K-40	-1.40E+01	1.50E+01	5.70E+01
WG	W-14	L16473-14	4/26/2010	La-140	1.50E+00	3.70E+00	1.30E+01
WG	W-14	L16473-14	4/26/2010	Mn-54	-2.00E-01	1.20E+00	4.30E+00
WG	W-14	L16473-14	4/26/2010	Nb-95	-2.00E+00	1.60E+00	5.90E+00
WG	W-14	L16473-14	4/26/2010	Ru-103	-3.10E+00	1.50E+00	5.70E+00
WG	W-14	L16473-14	4/26/2010	Ru-106	-5.80E+00	9.70E+00	3.50E+01
WG	W-14	L16473-14	4/26/2010	Sb-124	2.10E+00	2.90E+00	1.00E+01
WG	W-14	L16473-14	4/26/2010	Sb-125	-2.40E+00	3.10E+00	1.10E+01
WG	W-14	L16473-14	4/26/2010	Se-75	1.00E+00	1.40E+00	4.80E+00
WG	W-14	L16473-14	4/26/2010	Zn-65	-2.10E+00	2.50E+00	9.30E+00
WG	W-14	L16473-14	4/26/2010	Zr-95	-4.50E+00	2.40E+00	9.10E+00
WG	W-15	L16473-15	4/26/2010	AcTh-228	1.30E+00	3.20E+00	1.10E+01
WG	W-15	L16473-15	4/26/2010	Ag-108m	-5.20E-01	5.60E-01	1.90E+00
WG	W-15	L16473-15	4/26/2010	Ag-110m	-9.70E-01	8.90E-01	3.10E+00
WG	W-15	L16473-15	4/26/2010	Ba-140	2.70E+00	4.10E+00	1.40E+01
WG	W-15	L16473-15	4/26/2010	Be-7	-1.60E+00	7.50E+00	2.50E+01
WG	W-15	L16473-15	4/26/2010	Ce-141	7.00E-01	1.90E+00	6.50E+00
WG	W-15	L16473-15	4/26/2010	Ce-144	4.80E+00	3.60E+00	1.20E+01
WG	W-15	L16473-15	4/26/2010	Co-57	3.30E-01	4.60E-01	1.10E+00
WG	W-15	L16473-15	4/26/2010	Co-58	9.40E-01	8.10E-01	2.70E+00
WG	W-15	L16473-15	4/26/2010	Co-60	-1.49E+00	6.80E-01	2.50E+00
WG	W-15	L16473-15	4/26/2010	Cr-51	1.38E+01	9.80E+00	3.20E+01
WG	W-15	L16473-15	4/26/2010	Cs-134	-4.70E-01	4.50E-01	2.10E+00
WG	W-15	L16473-15	4/26/2010	Cs-137	2.00E-02	5.60E-01	1.90E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WG	W-15	L16473-15	4/26/2010	Fe-59	4.00E-01	1.80E+00	6.20E+00
WG	W-15	L16473-15	4/26/2010	H-3	3.00E+02	4.50E+02	1.30E+03
WG	W-15	L16473-15	4/26/2010	I-131	1.39E+01	8.90E+00	2.90E+01
WG	W-15	L16473-15	4/26/2010	K-40	-1.20E+01	1.10E+01	3.70E+01
WG	W-15	L16473-15	4/26/2010	La-140	2.70E+00	4.10E+00	1.40E+01
WG	W-15	L16473-15	4/26/2010	Mn-54	-7.50E-01	6.30E-01	2.20E+00
WG	W-15	L16473-15	4/26/2010	Nb-95	-1.40E+00	1.40E+00	4.70E+00
WG	W-15	L16473-15	4/26/2010	Ru-103	-9.00E-01	1.10E+00	3.60E+00
WG	W-15	L16473-15	4/26/2010	Ru-106	-5.20E+00	5.50E+00	1.90E+01
WG	W-15	L16473-15	4/26/2010	Sb-124	2.00E-01	1.90E+00	6.60E+00
WG	W-15	L16473-15	4/26/2010	Sb-125	2.40E+00	1.80E+00	5.80E+00
WG	W-15	L16473-15	4/26/2010	Se-75	4.80E-01	8.30E-01	2.80E+00
WG	W-15	L16473-15	4/26/2010	Zn-65	-1.10E+00	1.40E+00	4.80E+00
WG	W-15	L16473-15	4/26/2010	Zr-95	1.30E+00	1.50E+00	4.90E+00
WG	MW-20	L16473-16	4/29/2010	AcTh-228	8.00E+00	8.50E+00	2.90E+01
WG	MW-20	L16473-16	4/29/2010	Ag-108m	6.00E-01	1.10E+00	3.70E+00
WG	MW-20	L16473-16	4/29/2010	Ag-110m	-1.60E+00	1.90E+00	7.10E+00
WG	MW-20	L16473-16	4/29/2010	Ba-140	3.10E+00	3.20E+00	1.10E+01
WG	MW-20	L16473-16	4/29/2010	Be-7	1.10E+01	1.20E+01	3.90E+01
WG	MW-20	L16473-16	4/29/2010	Ce-141	-1.80E+00	2.10E+00	7.20E+00
WG	MW-20	L16473-16	4/29/2010	Ce-144	2.10E+00	5.60E+00	1.90E+01
WG	MW-20	L16473-16	4/29/2010	Co-57	-8.60E-01	7.10E-01	2.50E+00
WG	MW-20	L16473-16	4/29/2010	Co-58	3.00E+00	1.30E+00	4.10E+00
WG	MW-20	L16473-16	4/29/2010	Co-60	-5.00E-01	1.50E+00	5.40E+00
WG	MW-20	L16473-16	4/29/2010	Cr-51	-6.00E+00	1.20E+01	4.10E+01
WG	MW-20	L16473-16	4/29/2010	Cs-134	1.70E+00	1.40E+00	5.00E+00
WG	MW-20	L16473-16	4/29/2010	Cs-137	-3.30E+00	1.50E+00	5.60E+00
WG	MW-20	L16473-16	4/29/2010	Fe-59	4.40E+00	3.20E+00	1.10E+01
WG	MW-20	L16473-16	4/29/2010	H-3	0.00E+00	4.30E+02	1.30E+03
WG	MW-20	L16473-16	4/29/2010	I-131	4.40E+00	3.80E+00	1.30E+01
WG	MW-20	L16473-16	4/29/2010	K-40	-2.10E+01	2.00E+01	7.60E+01
WG	MW-20	L16473-16	4/29/2010	La-140	3.10E+00	3.20E+00	1.10E+01
WG	MW-20	L16473-16	4/29/2010	Mn-54	-7.00E-01	1.20E+00	4.60E+00
WG	MW-20	L16473-16	4/29/2010	Nb-95	6.00E-01	1.60E+00	5.70E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WG	MW-20	L16473-16	4/29/2010	Ru-103	-9.00E-01	1.50E+00	5.50E+00
WG	MW-20	L16473-16	4/29/2010	Ru-106	-1.00E+01	1.30E+01	4.70E+01
WG	MW-20	L16473-16	4/29/2010	Sb-124	3.60E+00	4.10E+00	1.40E+01
WG	MW-20	L16473-16	4/29/2010	Sb-125	-2.00E-01	3.10E+00	1.10E+01
WG	MW-20	L16473-16	4/29/2010	Se-75	-1.60E+00	1.40E+00	4.90E+00
WG	MW-20	L16473-16	4/29/2010	Zn-65	6.70E+00	5.80E+00	1.90E+01
WG	MW-20	L16473-16	4/29/2010	Zr-95	-1.50E+00	2.30E+00	8.60E+00
WG	MW-21	L16473-17	4/27/2010	AcTh-228	2.50E+00	5.70E+00	2.00E+01
WG	MW-21	L16473-17	4/27/2010	Ag-108m	0.00E+00	1.20E+00	4.20E+00
WG	MW-21	L16473-17	4/27/2010	Ag-110m	2.70E+00	1.80E+00	5.80E+00
WG	MW-21	L16473-17	4/27/2010	Ba-140	-1.10E+00	3.80E+00	1.40E+01
WG	MW-21	L16473-17	4/27/2010	Be-7	2.50E+01	1.40E+01	4.50E+01
WG	MW-21	L16473-17	4/27/2010	Ce-141	-6.80E+00	2.80E+00	1.00E+01
WG	MW-21	L16473-17	4/27/2010	Ce-144	8.80E+00	8.60E+00	2.90E+01
WG	MW-21	L16473-17	4/27/2010	Co-57	2.00E-01	1.10E+00	3.80E+00
WG	MW-21	L16473-17	4/27/2010	Co-58	-1.30E+00	1.60E+00	6.00E+00
WG	MW-21	L16473-17	4/27/2010	Co-60	-8.00E-01	1.40E+00	5.40E+00
WG	MW-21	L16473-17	4/27/2010	Cr-51	2.30E+01	1.60E+01	5.40E+01
WG	MW-21	L16473-17	4/27/2010	Cs-134	-1.10E+00	1.00E+00	5.30E+00
WG	MW-21	L16473-17	4/27/2010	Cs-137	-2.30E+00	1.40E+00	5.30E+00
WG	MW-21	L16473-17	4/27/2010	Fe-59	8.00E-01	3.20E+00	1.10E+01
WG	MW-21	L16473-17	4/27/2010	H-3	-1.50E+02	4.30E+02	1.30E+03
WG	MW-21	L16473-17	4/27/2010	I-131	5.00E+00	5.10E+00	1.70E+01
WG	MW-21	L16473-17	4/27/2010	K-40	4.00E+00	2.10E+01	7.20E+01
WG	MW-21	L16473-17	4/27/2010	La-140	-1.10E+00	3.80E+00	1.40E+01
WG	MW-21	L16473-17	4/27/2010	Mn-54	1.30E+00	1.40E+00	4.80E+00
WG	MW-21	L16473-17	4/27/2010	Nb-95	1.00E-01	1.80E+00	6.20E+00
WG	MW-21	L16473-17	4/27/2010	Ru-103	1.40E+00	2.00E+00	6.70E+00
WG	MW-21	L16473-17	4/27/2010	Ru-106	-1.80E+01	1.40E+01	5.20E+01
WG	MW-21	L16473-17	4/27/2010	Sb-124	-2.80E+00	3.30E+00	1.30E+01
WG	MW-21	L16473-17	4/27/2010	Sb-125	-2.70E+00	3.80E+00	1.40E+01
WG	MW-21	L16473-17	4/27/2010	Se-75	3.10E+00	1.90E+00	6.10E+00
WG	MW-21	L16473-17	4/27/2010	Zn-65	-3.20E+00	2.70E+00	1.00E+01
WG	MW-21	L16473-17	4/27/2010	Zr-95	-6.00E-01	2.50E+00	8.90E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WG	W-1	258808001	8/11/2010	Ac-228	-4.58E+00	3.23E+00	7.77E+00
WG	W-1	258808001	8/11/2010	Ag-108m	2.89E-01	5.05E-01	1.71E+00
WG	W-1	258808001	8/11/2010	Ag-110m	-1.64E-02	5.37E-01	1.74E+00
WG	W-1	258808001	8/11/2010	Ba-140	7.40E-01	2.72E+00	9.01E+00
WG	W-1	258808001	8/11/2010	Be-7	-5.42E+00	4.91E+00	1.58E+01
WG	W-1	258808001	8/11/2010	Ce-141	-2.57E+00	1.43E+00	3.44E+00
WG	W-1	258808001	8/11/2010	Ce-144	-4.74E+00	3.81E+00	1.24E+01
WG	W-1	258808001	8/11/2010	Co-57	2.80E-01	4.93E-01	1.67E+00
WG	W-1	258808001	8/11/2010	Co-58	-5.78E-01	5.51E-01	1.78E+00
WG	W-1	258808001	8/11/2010	Co-60	-4.76E-02	5.41E-01	1.74E+00
WG	W-1	258808001	8/11/2010	Cr-51	-2.56E+00	5.59E+00	1.75E+01
WG	W-1	258808001	8/11/2010	Cs-134	-2.68E+00	1.03E+00	2.24E+00
WG	W-1	258808001	8/11/2010	Cs-137	9.76E-01	6.20E-01	2.11E+00
WG	W-1	258808001	8/11/2010	Fe-59	-1.33E+00	1.14E+00	3.55E+00
WG	W-1	258808001	8/11/2010	H-3	3.39E+01	1.43E+02	4.64E+02
WG	W-1	258808001	8/11/2010	I-131	2.88E-01	9.90E-01	3.37E+00
WG	W-1	258808001	8/11/2010	K-40	3.22E+01	1.51E+01	1.69E+01
WG	W-1	258808001	8/11/2010	La-140	-9.42E-01	8.76E-01	2.73E+00
WG	W-1	258808001	8/11/2010	Mn-54	3.30E-01	5.64E-01	1.93E+00
WG	W-1	258808001	8/11/2010	Nb-95	-6.30E-01	7.74E-01	1.96E+00
WG	W-1	258808001	8/11/2010	Ru-103	-1.16E+00	6.14E-01	1.91E+00
WG	W-1	258808001	8/11/2010	Ru-106	6.92E+00	5.40E+00	1.83E+01
WG	W-1	258808001	8/11/2010	Sb-124	-5.55E-01	1.38E+00	4.45E+00
WG	W-1	258808001	8/11/2010	Sb-125	-2.01E+00	1.51E+00	4.86E+00
WG	W-1	258808001	8/11/2010	Se-75	-1.69E-01	7.91E-01	2.53E+00
WG	W-1	258808001	8/11/2010	Th-228	1.47E+00	1.74E+00	4.11E+00
WG	W-1	258808001	8/11/2010	Zn-65	-5.62E+00	1.47E+00	3.29E+00
WG	W-1	258808001	8/11/2010	Zr-95	-1.31E+00	1.02E+00	3.09E+00
WG	W-2	258808002	8/10/2010	Ac-228	-3.20E+00	4.60E+00	1.18E+01
WG	W-2	258808002	8/10/2010	Ag-108m	-4.55E-01	6.22E-01	2.01E+00
WG	W-2	258808002	8/10/2010	Ag-110m	-1.32E+00	7.58E-01	2.26E+00
WG	W-2	258808002	8/10/2010	Ba-140	3.81E-01	4.11E+00	1.34E+01
WG	W-2	258808002	8/10/2010	Be-7	1.43E+01	6.54E+00	2.27E+01
WG	W-2	258808002	8/10/2010	Ce-141	-3.89E+00	1.52E+00	3.54E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WG	W-2	258808002	8/10/2010	Ce-144	-3.10E+00	3.88E+00	1.26E+01
WG	W-2	258808002	8/10/2010	Co-57	6.14E-01	4.85E-01	1.64E+00
WG	W-2	258808002	8/10/2010	Co-58	-1.26E-01	8.02E-01	2.66E+00
WG	W-2	258808002	8/10/2010	Co-60	-3.14E-01	8.16E-01	2.69E+00
WG	W-2	258808002	8/10/2010	Cr-51	-2.75E+00	6.30E+00	2.10E+01
WG	W-2	258808002	8/10/2010	Cs-134	4.62E-01	9.24E-01	3.15E+00
WG	W-2	258808002	8/10/2010	Cs-137	7.49E-01	8.54E-01	2.82E+00
WG	W-2	258808002	8/10/2010	Fe-59	2.08E+00	1.70E+00	5.85E+00
WG	W-2	258808002	8/10/2010	H-3	1.47E+02	1.48E+02	4.64E+02
WG	W-2	258808002	8/10/2010	I-131	-5.26E-01	1.31E+00	4.34E+00
WG	W-2	258808002	8/10/2010	K-40	7.10E+00	1.35E+01	3.54E+01
WG	W-2	258808002	8/10/2010	La-140	-1.32E-01	1.35E+00	4.43E+00
WG	W-2	258808002	8/10/2010	Mn-54	3.51E-01	7.52E-01	2.55E+00
WG	W-2	258808002	8/10/2010	Nb-95	1.07E+00	8.31E-01	2.90E+00
WG	W-2	258808002	8/10/2010	Ru-103	-8.17E-01	8.21E-01	2.60E+00
WG	W-2	258808002	8/10/2010	Ru-106	9.41E+00	6.70E+00	2.27E+01
WG	W-2	258808002	8/10/2010	Sb-124	2.98E+00	1.96E+00	7.01E+00
WG	W-2	258808002	8/10/2010	Sb-125	-4.94E+00	2.45E+00	6.02E+00
WG	W-2	258808002	8/10/2010	Se-75	-2.00E-01	8.85E-01	2.79E+00
WG	W-2	258808002	8/10/2010	Th-228	2.08E+00	1.89E+00	5.00E+00
WG	W-2	258808002	8/10/2010	Zn-65	-1.98E+00	1.80E+00	5.55E+00
WG	W-2	258808002	8/10/2010	Zr-95	-1.60E+00	1.44E+00	4.63E+00
WG	W-3	258808003	8/10/2010	Ac-228	6.47E+00	2.29E+00	8.10E+00
WG	W-3	258808003	8/10/2010	Ag-108m	-1.97E-01	5.33E-01	1.78E+00
WG	W-3	258808003	8/10/2010	Ag-110m	-1.76E-01	5.80E-01	1.89E+00
WG	W-3	258808003	8/10/2010	Ba-140	9.52E-01	3.22E+00	1.08E+01
WG	W-3	258808003	8/10/2010	Be-7	-3.61E-01	5.26E+00	1.76E+01
WG	W-3	258808003	8/10/2010	Ce-141	1.43E+00	1.14E+00	3.58E+00
WG	W-3	258808003	8/10/2010	Ce-144	2.52E-01	4.12E+00	1.33E+01
WG	W-3	258808003	8/10/2010	Co-57	6.25E-01	5.11E-01	1.73E+00
WG	W-3	258808003	8/10/2010	Co-58	9.59E-02	6.22E-01	2.04E+00
WG	W-3	258808003	8/10/2010	Co-60	2.21E-01	7.29E-01	2.44E+00
WG	W-3	258808003	8/10/2010	Cr-51	6.35E+00	5.98E+00	1.97E+01
WG	W-3	258808003	8/10/2010	Cs-134	4.04E-02	7.79E-01	2.54E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WG	W-3	258808003	8/10/2010	Cs-137	6.56E-01	6.46E-01	2.19E+00
WG	W-3	258808003	8/10/2010	Fe-59	2.56E-01	1.37E+00	4.60E+00
WG	W-3	258808003	8/10/2010	H-3	5.56E+01	1.43E+02	4.62E+02
WG	W-3	258808003	8/10/2010	I-131	-5.94E-01	1.31E+00	4.13E+00
WG	W-3	258808003	8/10/2010	K-40	-6.62E+00	1.03E+01	2.78E+01
WG	W-3	258808003	8/10/2010	La-140	-3.80E-01	1.25E+00	4.03E+00
WG	W-3	258808003	8/10/2010	Mn-54	-5.43E-01	9.97E-01	2.06E+00
WG	W-3	258808003	8/10/2010	Nb-95	4.34E-01	6.57E-01	2.19E+00
WG	W-3	258808003	8/10/2010	Ru-103	-3.94E-01	6.44E-01	2.11E+00
WG	W-3	258808003	8/10/2010	Ru-106	-4.68E+00	5.47E+00	1.76E+01
WG	W-3	258808003	8/10/2010	Sb-124	-1.76E+00	1.65E+00	5.06E+00
WG	W-3	258808003	8/10/2010	Sb-125	-7.18E-01	1.62E+00	5.38E+00
WG	W-3	258808003	8/10/2010	Se-75	-8.42E-01	8.02E-01	2.54E+00
WG	W-3	258808003	8/10/2010	Th-228	1.24E+00	1.55E+00	4.05E+00
WG	W-3	258808003	8/10/2010	Zn-65	-1.36E+00	1.41E+00	4.57E+00
WG	W-3	258808003	8/10/2010	Zr-95	1.10E+00	1.12E+00	3.78E+00
WG	W-4	258808004	8/11/2010	Ac-228	-5.09E-02	3.67E+00	9.36E+00
WG	W-4	258808004	8/11/2010	Ag-108m	7.68E-01	5.85E-01	2.00E+00
WG	W-4	258808004	8/11/2010	Ag-110m	8.98E-02	6.24E-01	2.04E+00
WG	W-4	258808004	8/11/2010	Ba-140	7.88E+00	3.51E+00	1.14E+01
WG	W-4	258808004	8/11/2010	Be-7	-9.30E+00	7.16E+00	1.89E+01
WG	W-4	258808004	8/11/2010	Ce-141	6.10E-01	1.26E+00	3.81E+00
WG	W-4	258808004	8/11/2010	Ce-144	1.33E+00	4.85E+00	1.46E+01
WG	W-4	258808004	8/11/2010	Co-57	-7.03E-01	5.75E-01	1.84E+00
WG	W-4	258808004	8/11/2010	Co-58	-8.47E-01	6.67E-01	2.05E+00
WG	W-4	258808004	8/11/2010	Co-60	5.83E-01	7.05E-01	2.41E+00
WG	W-4	258808004	8/11/2010	Cr-51	-1.94E+00	6.09E+00	2.03E+01
WG	W-4	258808004	8/11/2010	Cs-134	1.07E+00	7.63E-01	2.59E+00
WG	W-4	258808004	8/11/2010	Cs-137	-2.87E-01	7.08E-01	2.28E+00
WG	W-4	258808004	8/11/2010	Fe-59	-8.62E-01	1.26E+00	4.08E+00
WG	W-4	258808004	8/11/2010	H-3	8.42E+02	1.87E+02	4.50E+02 *
WG	W-4	258808004	8/11/2010	I-131	-1.49E+00	1.23E+00	3.99E+00
WG	W-4	258808004	8/11/2010	K-40	5.75E+01	1.45E+01	2.15E+01 *
WG	W-4	258808004	8/11/2010	La-140	1.27E+00	1.21E+00	4.13E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WG	W-4	258808004	8/11/2010	Mn-54	-3.35E-01	6.83E-01	2.16E+00
WG	W-4	258808004	8/11/2010	Nb-95	1.36E+00	6.59E-01	2.27E+00
WG	W-4	258808004	8/11/2010	Ru-103	-2.01E+00	6.95E-01	2.06E+00
WG	W-4	258808004	8/11/2010	Ru-106	-3.12E+00	5.93E+00	1.91E+01
WG	W-4	258808004	8/11/2010	Sb-124	2.30E+00	1.60E+00	5.59E+00
WG	W-4	258808004	8/11/2010	Sb-125	-8.71E-01	1.78E+00	5.82E+00
WG	W-4	258808004	8/11/2010	Se-75	5.03E-01	8.74E-01	2.98E+00
WG	W-4	258808004	8/11/2010	Th-228	-3.05E+00	1.96E+00	4.61E+00
WG	W-4	258808004	8/11/2010	Zn-65	-8.10E-01	1.44E+00	3.98E+00
WG	W-4	258808004	8/11/2010	Zr-95	1.98E-01	1.16E+00	3.77E+00
WG	W-5	258808005	8/11/2010	Ac-228	-6.54E+00	4.44E+00	1.10E+01
WG	W-5	258808005	8/11/2010	Ag-108m	7.54E-01	6.71E-01	2.23E+00
WG	W-5	258808005	8/11/2010	Ag-110m	-1.60E-01	6.93E-01	2.30E+00
WG	W-5	258808005	8/11/2010	Ba-140	8.11E-01	3.83E+00	1.30E+01
WG	W-5	258808005	8/11/2010	Be-7	1.98E+00	6.55E+00	2.12E+01
WG	W-5	258808005	8/11/2010	Ce-141	2.33E+00	1.47E+00	4.93E+00
WG	W-5	258808005	8/11/2010	Ce-144	-3.00E+00	5.49E+00	1.72E+01
WG	W-5	258808005	8/11/2010	Co-57	-1.54E+00	7.43E-01	2.27E+00
WG	W-5	258808005	8/11/2010	Co-58	-3.00E-01	7.22E-01	2.34E+00
WG	W-5	258808005	8/11/2010	Co-60	-6.20E-01	7.56E-01	2.42E+00
WG	W-5	258808005	8/11/2010	Cr-51	-1.89E+01	7.48E+00	2.31E+01
WG	W-5	258808005	8/11/2010	Cs-134	1.61E+00	8.52E-01	3.00E+00
WG	W-5	258808005	8/11/2010	Cs-137	-1.28E+00	7.29E-01	2.28E+00
WG	W-5	258808005	8/11/2010	Fe-59	-2.15E+00	1.62E+00	4.92E+00
WG	W-5	258808005	8/11/2010	H-3	7.13E+02	1.82E+02	4.65E+02 *
WG	W-5	258808005	8/11/2010	I-131	-2.08E+00	1.49E+00	4.69E+00
WG	W-5	258808005	8/11/2010	K-40	1.31E+01	1.53E+01	3.95E+01
WG	W-5	258808005	8/11/2010	La-140	1.96E+00	1.27E+00	4.50E+00
WG	W-5	258808005	8/11/2010	Mn-54	-1.34E+00	6.57E-01	1.97E+00
WG	W-5	258808005	8/11/2010	Nb-95	1.34E+00	7.85E-01	2.73E+00
WG	W-5	258808005	8/11/2010	Ru-103	-1.44E+00	8.38E-01	2.53E+00
WG	W-5	258808005	8/11/2010	Ru-106	1.27E+00	6.40E+00	2.16E+01
WG	W-5	258808005	8/11/2010	Sb-124	-5.96E-01	1.65E+00	5.28E+00
WG	W-5	258808005	8/11/2010	Sb-125	1.54E+00	2.18E+00	7.17E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WG	W-5	258808005	8/11/2010	Se-75	-5.97E-01	1.03E+00	3.37E+00
WG	W-5	258808005	8/11/2010	Th-228	-2.78E-01	1.98E+00	5.20E+00
WG	W-5	258808005	8/11/2010	Zn-65	-2.53E+00	1.56E+00	4.63E+00
WG	W-5	258808005	8/11/2010	Zr-95	-1.96E-02	1.32E+00	4.38E+00
WG	W-6	258808006	8/11/2010	Ac-228	-5.00E+00	4.18E+00	1.03E+01
WG	W-6	258808006	8/11/2010	Ag-108m	-1.08E+00	6.19E-01	1.92E+00
WG	W-6	258808006	8/11/2010	Ag-110m	-8.44E-01	6.65E-01	2.13E+00
WG	W-6	258808006	8/11/2010	Ba-140	7.09E-01	3.68E+00	1.25E+01
WG	W-6	258808006	8/11/2010	Be-7	2.32E+00	6.24E+00	2.04E+01
WG	W-6	258808006	8/11/2010	Ce-141	-4.38E+00	1.86E+00	4.12E+00
WG	W-6	258808006	8/11/2010	Ce-144	-1.08E+00	4.69E+00	1.54E+01
WG	W-6	258808006	8/11/2010	Co-57	6.62E-02	6.01E-01	1.99E+00
WG	W-6	258808006	8/11/2010	Co-58	-4.80E-01	6.91E-01	2.20E+00
WG	W-6	258808006	8/11/2010	Co-60	8.78E-01	7.90E-01	2.70E+00
WG	W-6	258808006	8/11/2010	Cr-51	-1.65E+01	6.63E+00	2.08E+01
WG	W-6	258808006	8/11/2010	Cs-134	1.49E+00	8.10E-01	2.81E+00
WG	W-6	258808006	8/11/2010	Cs-137	2.22E-01	7.34E-01	2.46E+00
WG	W-6	258808006	8/11/2010	Fe-59	1.36E+00	1.41E+00	4.86E+00
WG	W-6	258808006	8/11/2010	H-3	1.24E+03	2.19E+02	4.58E+02 *
WG	W-6	258808006	8/11/2010	I-131	-7.19E-01	1.33E+00	4.34E+00
WG	W-6	258808006	8/11/2010	K-40	4.33E+01	1.78E+01	2.24E+01
WG	W-6	258808006	8/11/2010	La-140	-3.61E-01	1.33E+00	4.39E+00
WG	W-6	258808006	8/11/2010	Mn-54	-1.07E+00	7.37E-01	2.28E+00
WG	W-6	258808006	8/11/2010	Nb-95	1.07E+00	7.74E-01	2.64E+00
WG	W-6	258808006	8/11/2010	Ru-103	-2.06E-01	7.85E-01	2.51E+00
WG	W-6	258808006	8/11/2010	Ru-106	-1.80E+00	6.20E+00	2.05E+01
WG	W-6	258808006	8/11/2010	Sb-124	-1.95E-01	1.68E+00	5.53E+00
WG	W-6	258808006	8/11/2010	Sb-125	6.28E+00	1.96E+00	6.82E+00 *
WG	W-6	258808006	8/11/2010	Se-75	-1.15E+00	9.08E-01	2.99E+00
WG	W-6	258808006	8/11/2010	Th-228	-1.88E+00	1.87E+00	4.65E+00
WG	W-6	258808006	8/11/2010	Zn-65	-4.23E+00	1.71E+00	5.16E+00
WG	W-6	258808006	8/11/2010	Zr-95	-1.03E+00	1.19E+00	3.77E+00
WG	W-7	258808007	8/10/2010	Ac-228	-5.85E+00	3.82E+00	9.12E+00
WG	W-7	258808007	8/10/2010	Ag-108m	-4.89E-01	6.17E-01	1.97E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WG	W-7	258808007	8/10/2010	Ag-110m	-1.66E+00	6.80E-01	2.09E+00
WG	W-7	258808007	8/10/2010	Ba-140	2.49E+00	3.69E+00	1.21E+01
WG	W-7	258808007	8/10/2010	Be-7	-1.36E+00	6.27E+00	2.02E+01
WG	W-7	258808007	8/10/2010	Ce-141	-9.12E-01	1.24E+00	3.97E+00
WG	W-7	258808007	8/10/2010	Ce-144	7.59E+00	4.51E+00	1.50E+01
WG	W-7	258808007	8/10/2010	Co-57	-7.21E-01	5.79E-01	1.85E+00
WG	W-7	258808007	8/10/2010	Co-58	7.36E-02	5.89E-01	1.96E+00
WG	W-7	258808007	8/10/2010	Co-60	3.17E-01	6.87E-01	2.34E+00
WG	W-7	258808007	8/10/2010	Cr-51	-2.83E+00	6.35E+00	2.09E+01
WG	W-7	258808007	8/10/2010	Cs-134	-5.06E-01	7.57E-01	2.43E+00
WG	W-7	258808007	8/10/2010	Cs-137	-2.73E-01	1.10E+00	3.01E+00
WG	W-7	258808007	8/10/2010	Fe-59	1.20E+00	1.31E+00	4.41E+00
WG	W-7	258808007	8/10/2010	H-3	-8.87E+01	1.36E+02	4.58E+02
WG	W-7	258808007	8/10/2010	I-131	5.00E-01	1.45E+00	4.84E+00
WG	W-7	258808007	8/10/2010	K-40	-3.59E+00	1.03E+01	2.99E+01
WG	W-7	258808007	8/10/2010	La-140	-9.23E-01	1.24E+00	3.86E+00
WG	W-7	258808007	8/10/2010	Mn-54	-6.43E-01	6.41E-01	2.03E+00
WG	W-7	258808007	8/10/2010	Nb-95	8.42E-01	6.72E-01	2.33E+00
WG	W-7	258808007	8/10/2010	Ru-103	-5.65E-01	7.39E-01	2.33E+00
WG	W-7	258808007	8/10/2010	Ru-106	-2.60E+00	5.71E+00	1.90E+01
WG	W-7	258808007	8/10/2010	Sb-124	-8.25E-01	1.66E+00	5.24E+00
WG	W-7	258808007	8/10/2010	Sb-125	3.39E-01	1.79E+00	5.87E+00
WG	W-7	258808007	8/10/2010	Se-75	-4.82E-01	9.16E-01	3.05E+00
WG	W-7	258808007	8/10/2010	Th-228	-2.82E+00	1.89E+00	4.77E+00
WG	W-7	258808007	8/10/2010	Zn-65	-1.41E-01	1.57E+00	5.05E+00
WG	W-7	258808007	8/10/2010	Zr-95	-3.27E-02	1.13E+00	3.75E+00
WG	W-8	258808008	8/11/2010	Ac-228	-4.20E+00	3.85E+00	9.37E+00
WG	W-8	258808008	8/11/2010	Ag-108m	2.48E-01	6.05E-01	1.99E+00
WG	W-8	258808008	8/11/2010	Ag-110m	-2.19E-01	5.92E-01	1.96E+00
WG	W-8	258808008	8/11/2010	Ba-140	1.95E+00	3.62E+00	1.18E+01
WG	W-8	258808008	8/11/2010	Be-7	-2.92E+00	5.74E+00	1.83E+01
WG	W-8	258808008	8/11/2010	Ce-141	-6.22E-01	1.58E+00	4.17E+00
WG	W-8	258808008	8/11/2010	Ce-144	8.10E-01	4.72E+00	1.53E+01
WG	W-8	258808008	8/11/2010	Co-57	-1.05E-01	5.93E-01	1.92E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WG	W-8	258808008	8/11/2010	Co-58	-3.56E-01	6.44E-01	2.08E+00
WG	W-8	258808008	8/11/2010	Co-60	-4.09E-01	6.32E-01	2.03E+00
WG	W-8	258808008	8/11/2010	Cr-51	-6.30E-01	6.48E+00	2.15E+01
WG	W-8	258808008	8/11/2010	Cs-134	-1.23E+00	1.17E+00	2.68E+00
WG	W-8	258808008	8/11/2010	Cs-137	3.50E-01	6.57E-01	2.23E+00
WG	W-8	258808008	8/11/2010	Fe-59	-3.12E+00	2.15E+00	4.72E+00
WG	W-8	258808008	8/11/2010	H-3	7.97E+01	1.45E+02	4.65E+02
WG	W-8	258808008	8/11/2010	I-131	-1.16E+00	1.35E+00	4.35E+00
WG	W-8	258808008	8/11/2010	K-40	6.16E+01	1.62E+01	2.02E+01 *
WG	W-8	258808008	8/11/2010	La-140	3.22E-01	1.19E+00	3.97E+00
WG	W-8	258808008	8/11/2010	Mn-54	-3.74E-01	6.29E-01	2.03E+00
WG	W-8	258808008	8/11/2010	Nb-95	-1.77E-01	7.14E-01	2.35E+00
WG	W-8	258808008	8/11/2010	Ru-103	-2.93E-01	7.16E-01	2.28E+00
WG	W-8	258808008	8/11/2010	Ru-106	-6.22E+00	5.80E+00	1.89E+01
WG	W-8	258808008	8/11/2010	Sb-124	2.94E+00	1.54E+00	5.57E+00
WG	W-8	258808008	8/11/2010	Sb-125	1.32E+00	1.75E+00	5.83E+00
WG	W-8	258808008	8/11/2010	Se-75	-1.18E+00	9.20E-01	3.01E+00
WG	W-8	258808008	8/11/2010	Th-228	1.71E+00	1.79E+00	4.92E+00
WG	W-8	258808008	8/11/2010	Zn-65	-6.32E+00	1.77E+00	4.80E+00
WG	W-8	258808008	8/11/2010	Zr-95	-1.21E+00	1.16E+00	3.69E+00
WG	W-9	258808009	8/11/2010	Ac-228	3.45E+00	4.09E+00	9.70E+00
WG	W-9	258808009	8/11/2010	Ag-108m	-4.76E-01	5.75E-01	1.81E+00
WG	W-9	258808009	8/11/2010	Ag-110m	1.50E-01	5.61E-01	1.88E+00
WG	W-9	258808009	8/11/2010	Ba-140	-4.00E+00	3.39E+00	1.08E+01
WG	W-9	258808009	8/11/2010	Be-7	4.05E+00	5.61E+00	1.84E+01
WG	W-9	258808009	8/11/2010	Ce-141	1.94E+00	1.18E+00	3.85E+00
WG	W-9	258808009	8/11/2010	Ce-144	-8.60E+00	4.26E+00	1.30E+01
WG	W-9	258808009	8/11/2010	Co-57	2.87E-01	5.39E-01	1.75E+00
WG	W-9	258808009	8/11/2010	Co-58	-3.86E-01	6.11E-01	1.95E+00
WG	W-9	258808009	8/11/2010	Co-60	6.09E-02	6.62E-01	2.19E+00
WG	W-9	258808009	8/11/2010	Cr-51	2.47E+00	6.05E+00	2.01E+01
WG	W-9	258808009	8/11/2010	Cs-134	-1.32E-01	6.87E-01	2.23E+00
WG	W-9	258808009	8/11/2010	Cs-137	-2.11E+00	9.87E-01	2.04E+00
WG	W-9	258808009	8/11/2010	Fe-59	1.43E+00	1.29E+00	4.47E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE TYPE	STATION	LSN	REFERENCE DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
WG	W-9	258808009	8/11/2010	H-3	3.35E+01	1.41E+02	4.59E+02
WG	W-9	258808009	8/11/2010	I-131	4.78E-02	1.28E+00	4.17E+00
WG	W-9	258808009	8/11/2010	K-40	8.50E+01	1.31E+01	1.86E+01 *
WG	W-9	258808009	8/11/2010	La-140	-3.44E-01	1.09E+00	3.45E+00
WG	W-9	258808009	8/11/2010	Mn-54	-2.20E-01	6.34E-01	2.04E+00
WG	W-9	258808009	8/11/2010	Nb-95	-1.29E-01	6.35E-01	2.07E+00
WG	W-9	258808009	8/11/2010	Ru-103	-2.25E+00	6.21E-01	1.82E+00
WG	W-9	258808009	8/11/2010	Ru-106	3.33E+00	5.93E+00	2.01E+01
WG	W-9	258808009	8/11/2010	Sb-124	-4.06E+00	2.53E+00	4.88E+00
WG	W-9	258808009	8/11/2010	Sb-125	7.07E-01	1.72E+00	5.62E+00
WG	W-9	258808009	8/11/2010	Se-75	8.73E-01	8.48E-01	2.87E+00
WG	W-9	258808009	8/11/2010	Th-228	-1.04E+00	1.75E+00	4.35E+00
WG	W-9	258808009	8/11/2010	Zn-65	-4.24E+00	1.42E+00	4.17E+00
WG	W-9	258808009	8/11/2010	Zr-95	9.22E-01	1.11E+00	3.75E+00
WG	W-10	258808010	8/10/2010	Ac-228	-1.20E+00	4.14E+00	9.55E+00
WG	W-10	258808010	8/10/2010	Ag-108m	4.21E-01	6.25E-01	2.05E+00
WG	W-10	258808010	8/10/2010	Ag-110m	-1.61E-01	6.81E-01	2.23E+00
WG	W-10	258808010	8/10/2010	Ba-140	-2.88E+00	3.83E+00	1.24E+01
WG	W-10	258808010	8/10/2010	Be-7	-4.23E+00	5.89E+00	1.95E+01
WG	W-10	258808010	8/10/2010	Ce-141	-5.24E-01	1.35E+00	4.29E+00
WG	W-10	258808010	8/10/2010	Ce-144	-8.14E+00	4.83E+00	1.49E+01
WG	W-10	258808010	8/10/2010	Co-57	-6.43E-01	6.26E-01	1.98E+00
WG	W-10	258808010	8/10/2010	Co-58	-1.35E+00	7.20E-01	2.15E+00
WG	W-10	258808010	8/10/2010	Co-60	-3.66E-02	6.76E-01	2.20E+00
WG	W-10	258808010	8/10/2010	Cr-51	5.42E+00	7.36E+00	2.46E+01
WG	W-10	258808010	8/10/2010	Cs-134	9.39E-02	7.71E-01	2.52E+00
WG	W-10	258808010	8/10/2010	Cs-137	4.37E-02	7.06E-01	2.34E+00
WG	W-10	258808010	8/10/2010	Fe-59	1.55E+00	1.44E+00	4.98E+00
WG	W-10	258808010	8/10/2010	H-3	-1.13E+02	1.36E+02	4.64E+02
WG	W-10	258808010	8/10/2010	I-131	3.44E-01	1.54E+00	5.05E+00
WG	W-10	258808010	8/10/2010	K-40	3.86E+01	1.35E+01	2.40E+01
WG	W-10	258808010	8/10/2010	La-140	-4.80E-01	1.31E+00	4.29E+00
WG	W-10	258808010	8/10/2010	Mn-54	2.21E+00	6.75E-01	2.44E+00 *
WG	W-10	258808010	8/10/2010	Nb-95	1.50E+00	7.01E-01	2.46E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy



## Summary of 2010 Data

SAMPLE		REFERENCE		NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TYPE	STATION	LSN	DATE				
WG	W-10	258808010	8/10/2010	Ru-103	-1.21E+00	7.60E-01	2.44E+00
WG	W-10	258808010	8/10/2010	Ru-106	3.94E+00	6.10E+00	2.06E+01
WG	W-10	258808010	8/10/2010	Sb-124	-1.45E+00	1.81E+00	5.75E+00
WG	W-10	258808010	8/10/2010	Sb-125	-1.40E+00	2.67E+00	6.34E+00
WG	W-10	258808010	8/10/2010	Se-75	-5.00E-01	1.00E+00	3.30E+00
WG	W-10	258808010	8/10/2010	Th-228	-1.54E+00	2.34E+00	5.11E+00
WG	W-10	258808010	8/10/2010	Zn-65	-5.63E+00	1.57E+00	4.32E+00
WG	W-10	258808010	8/10/2010	Zr-95	4.95E-01	1.17E+00	3.90E+00
WG	W-11	258808011	8/10/2010	Ac-228	-1.87E+00	4.22E+00	9.19E+00
WG	W-11	258808011	8/10/2010	Ag-108m	7.05E-01	6.12E-01	2.02E+00
WG	W-11	258808011	8/10/2010	Ag-110m	-9.17E-02	6.12E-01	2.01E+00
WG	W-11	258808011	8/10/2010	Ba-140	1.16E+00	3.63E+00	1.22E+01
WG	W-11	258808011	8/10/2010	Be-7	-5.81E-01	5.48E+00	1.84E+01
WG	W-11	258808011	8/10/2010	Ce-141	7.73E-01	1.30E+00	4.32E+00
WG	W-11	258808011	8/10/2010	Ce-144	-3.23E+00	4.79E+00	1.50E+01
WG	W-11	258808011	8/10/2010	Co-57	-6.82E-01	6.40E-01	2.00E+00
WG	W-11	258808011	8/10/2010	Co-58	-1.51E-01	6.24E-01	2.01E+00
WG	W-11	258808011	8/10/2010	Co-60	1.44E+00	6.53E-01	2.35E+00
WG	W-11	258808011	8/10/2010	Cr-51	4.23E+00	6.97E+00	2.31E+01
WG	W-11	258808011	8/10/2010	Cs-134	-8.77E-01	7.35E-01	2.28E+00
WG	W-11	258808011	8/10/2010	Cs-137	-1.43E-01	6.69E-01	2.19E+00
WG	W-11	258808011	8/10/2010	Fe-59	6.93E-01	1.22E+00	4.16E+00
WG	W-11	258808011	8/10/2010	H-3	-1.02E+02	1.37E+02	4.64E+02
WG	W-11	258808011	8/10/2010	I-131	2.96E-01	1.44E+00	4.69E+00
WG	W-11	258808011	8/10/2010	K-40	-1.85E+01	1.14E+01	2.93E+01
WG	W-11	258808011	8/10/2010	La-140	-4.04E-01	1.28E+00	4.07E+00
WG	W-11	258808011	8/10/2010	Mn-54	-7.13E-01	6.37E-01	1.98E+00
WG	W-11	258808011	8/10/2010	Nb-95	-2.18E+00	9.03E-01	2.12E+00
WG	W-11	258808011	8/10/2010	Ru-103	-1.00E+00	6.95E-01	2.24E+00
WG	W-11	258808011	8/10/2010	Ru-106	-9.72E+00	5.54E+00	1.73E+01
WG	W-11	258808011	8/10/2010	Sb-124	7.48E-01	1.48E+00	5.10E+00
WG	W-11	258808011	8/10/2010	Sb-125	5.28E+00	1.85E+00	6.34E+00
WG	W-11	258808011	8/10/2010	Se-75	2.58E-01	9.21E-01	3.06E+00
WG	W-11	258808011	8/10/2010	Th-228	1.93E+00	1.83E+00	4.70E+00

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy

## Summary of 2010 Data

SAMPLE		LSN	REFERENCE		CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)
TYPE	STATION		DATE	NUCLIDE			
WG	W-11	258808011	8/10/2010	Zn-65	-3.46E+00	1.39E+00	4.13E+00
WG	W-11	258808011	8/10/2010	Zr-95	-2.97E+00	1.25E+00	3.73E+00
WG	W-12	258808012	8/10/2010	Ac-228	-4.31E+00	2.92E+00	6.47E+00
WG	W-12	258808012	8/10/2010	Ag-108m	-4.95E-01	5.04E-01	1.58E+00
WG	W-12	258808012	8/10/2010	Ag-110m	-3.94E-01	4.73E-01	1.54E+00
WG	W-12	258808012	8/10/2010	Ba-140	8.81E-01	3.09E+00	9.96E+00
WG	W-12	258808012	8/10/2010	Be-7	-2.84E+00	4.47E+00	1.41E+01
WG	W-12	258808012	8/10/2010	Ce-141	9.08E-01	9.93E-01	3.39E+00
WG	W-12	258808012	8/10/2010	Ce-144	2.80E-01	3.51E+00	1.19E+01
WG	W-12	258808012	8/10/2010	Co-57	-2.84E-01	4.49E-01	1.51E+00
WG	W-12	258808012	8/10/2010	Co-58	5.68E-01	5.16E-01	1.78E+00
WG	W-12	258808012	8/10/2010	Co-60	-5.07E-01	5.34E-01	1.62E+00
WG	W-12	258808012	8/10/2010	Cr-51	-9.10E-01	5.37E+00	1.76E+01
WG	W-12	258808012	8/10/2010	Cs-134	-4.79E-01	5.94E-01	1.91E+00
WG	W-12	258808012	8/10/2010	Cs-137	3.74E-01	5.19E-01	1.78E+00
WG	W-12	258808012	8/10/2010	Fe-59	-9.18E-01	1.09E+00	3.40E+00
WG	W-12	258808012	8/10/2010	H-3	-1.14E+02	1.37E+02	4.67E+02
WG	W-12	258808012	8/10/2010	I-131	-5.19E-01	1.11E+00	3.58E+00
WG	W-12	258808012	8/10/2010	K-40	3.19E+01	1.38E+01	1.73E+01
WG	W-12	258808012	8/10/2010	La-140	1.09E+00	9.51E-01	3.35E+00
WG	W-12	258808012	8/10/2010	Mn-54	2.96E-01	4.96E-01	1.68E+00
WG	W-12	258808012	8/10/2010	Nb-95	6.00E-01	5.15E-01	1.78E+00
WG	W-12	258808012	8/10/2010	Ru-103	-3.43E-01	5.99E-01	1.89E+00
WG	W-12	258808012	8/10/2010	Ru-106	-1.04E+00	4.42E+00	1.48E+01
WG	W-12	258808012	8/10/2010	Sb-124	6.95E-01	1.29E+00	4.41E+00
WG	W-12	258808012	8/10/2010	Sb-125	2.91E-01	1.47E+00	4.80E+00
WG	W-12	258808012	8/10/2010	Se-75	-5.81E-01	7.16E-01	2.32E+00
WG	W-12	258808012	8/10/2010	Th-228	-3.71E+00	1.59E+00	3.87E+00
WG	W-12	258808012	8/10/2010	Zn-65	-1.12E+00	1.12E+00	3.48E+00
WG	W-12	258808012	8/10/2010	Zr-95	1.30E+00	8.87E-01	3.11E+00
WG	W-13	258808013	8/10/2010	Ac-228	-5.08E+00	3.75E+00	8.63E+00
WG	W-13	258808013	8/10/2010	Ag-108m	-6.07E-01	5.45E-01	1.70E+00
WG	W-13	258808013	8/10/2010	Ag-110m	-2.08E-01	5.57E-01	1.83E+00
WG	W-13	258808013	8/10/2010	Ba-140	1.61E+00	3.13E+00	1.07E+01

\* Radioactivity detected in sample (i.e., concentration > 3 X standard deviation)

+ Minimum Detectable Concentration > Lower Limit of Detection

x Uncertain identification for gamma spectroscopy