



ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT

**DUKE ENERGY CORPORATION
OCONEE NUCLEAR STATION
Units 1, 2, and 3**

2012



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LIST OF ACRONYMS USED IN THIS TEXT *(in alphabetical order)*

BW	BiWeekly
C	Control
DEHNR	Department of Environmental Health and Natural Resources
DHEC	Department of Health and Environmental Control
EPA	Environmental Protection Agency
ERA	Environmental Resource Associates
GI-LLI	Gastrointestinal – Lower Large Intestine
GPS	Global Positioning System
ISFSI	Independent Spent Fuel Storage Installation
LLD	Lower Limit of Detection
M	Monthly
MDA	Minimum Detectable Activity
MOA	Memorandum of Agreement
mrem	Millirem
NIST	National Institute of Standards and Technology
NRC	Nuclear Regulatory Commission
ODCM	Offsite Dose Calculation Manual
ONS	Oconee Nuclear Station
pCi/kg	picocurie per kilogram
pCi/l	picocurie per liter
pCi/m ³	picocurie per cubic meter
PIP	Problem Investigation Program
Q	Quarterly
REMP	Radiological Environmental Monitoring Program
SA	Semiannually
SLCs	Selected Licensee Commitments
SM	Semimonthly
TECH SPECS	Technical Specifications
TLD	Thermoluminescent Dosimeter
μCi/ml	microcurie per milliliter
UFSAR	Updated Final Safety Analysis Report
W	Weekly

1.0 EXECUTIVE SUMMARY

This Annual Radiological Environmental Operating Report describes the Oconee Nuclear Station Radiological Environmental Monitoring Program (REMP), and the program results for the calendar year 2012.

Included are the identification of sampling locations, descriptions of environmental sampling and analysis procedures, comparisons of present environmental radioactivity levels and pre-operational environmental data, comparisons of doses calculated from environmental measurements and effluent data, analysis of trends in environmental radiological data as potentially affected by station operations, and a summary of environmental radiological sampling results. Quality assurance practices and program changes are also discussed.

Sampling activities were conducted as prescribed by Selected Licensee Commitments (SLC's). Required analyses were performed and detection capabilities were met for all collected samples as required by SLC's. Nine-hundred sixty-nine samples were analyzed comprising 1,346 test results in order to compile data for the 2012 report. Based on the annual land use census, the current number of sampling sites for Oconee Nuclear Station is sufficient.

Concentrations observed in the environment in 2012 for station related radionuclides were within the ranges of concentrations observed in the past. Inspection of data showed that radioactivity concentrations in drinking water, surface water, shoreline sediment, and fish are higher than the activities reported for samples collected at control locations. All positively identified measurements attributable to station operation were within limits as specified in SLC's.

Additionally, environmental radiological monitoring data is consistent with effluents introduced into the environment by plant operations. The total body dose estimated to the maximum exposed member of the public as calculated by environmental sampling data, excluding TLD results, was 6.68E-02 mrem for 2012. Background radiation dose in the United States is approximately 620 mrem per year (approximately half from naturally occurring sources such as radon and half from man-made sources such as medical processes) (reference 6.15). It is therefore concluded that station operations has had no significant radiological impact on the health and safety of the public or the environment.

2.0 INTRODUCTION

2.1 SITE DESCRIPTION AND SAMPLE LOCATIONS

Oconee Nuclear Station (ONS) is located in Oconee County, South Carolina, approximately 8 miles northeast of Seneca, South Carolina, on the shore of Lake Keowee. This lake was formed by damming the Keowee and Little Rivers in that location. Immediately to the south is the U.S. Government Hartwell Project. The Keowee Hydroelectric Plant near the station joins Lake Keowee and the upper reaches of Lake Hartwell. To the north, the Jocassee Hydroelectric Plant joins Lake Jocassee and Lake Keowee. Jocassee is a pumped storage plant.

ONS consists of three pressurized water reactors. Each unit has an output of 846 megawatts net. Unit 1 license for operation was issued 2/6/1973. Unit 2 license for operation was issued 10/6/1973. Unit 3 license for operation was issued 7/19/1974. An independent spent fuel storage installation is also located at the site.

Figures 2.1-1 and 2.1-2 are maps depicting the Thermoluminescent Dosimeter (TLD) monitoring locations and the sampling locations. The location numbers shown on these maps correspond to those listed in Tables 2.1-A and 2.1-B. Figure 2.1-1 comprises all sample locations within a one mile radius of ONS. Figure 2.1-2 comprises all sample locations within a ten mile radius of ONS.

2.2 SCOPE AND REQUIREMENTS OF THE REMP

An environmental monitoring program has been in effect at Oconee Nuclear Station since 1969, four years prior to operation of Unit 1 in 1973. The preoperational program provides data on the existing environmental radioactivity levels for the site and vicinity which may be used to determine whether increases in environmental levels are attributable to the station. The operational program provides surveillance and backup support of detailed effluent monitoring which is necessary to evaluate the significance, if any, of the contributions to the existing environmental radioactivity levels that result from station operation.

This monitoring program is based on NRC guidance as reflected in the Selected Licensee Commitments Manual, with regard to sample media, sampling locations, sampling frequency, and analytical sensitivity requirements. Indicator and control locations were established for comparison purposes to distinguish radioactivity of station origin from natural or other “man-made” environmental radioactivity. The environmental monitoring program also verifies projected and anticipated radionuclide concentrations in the environment and related exposures from releases of radionuclides from Oconee Nuclear Station. This program satisfies the requirements of Section IV.B.2 of Appendix I to 10CFR50 and 10CFR72.44(d)(2) and provides surveillance of all appropriate critical exposure pathways to man and protects vital interests of the company, public, and state and federal agencies concerned with the environment. Reporting levels for radioactivity found in environmental samples are listed in Table 2.2-A. Table 2.2-B lists the REMP analysis and frequency schedule.

The Annual Land Use Census, required by Selected Licensee Commitments, is performed to ensure that changes in the use of areas at or beyond the site boundary are identified and that modifications to the Radiological Environmental Monitoring Program are made if required by changes in land use. This census satisfies the requirements of Section IV.B.3 of Appendix I to 10CFR50. Results are shown in Table 3.9.

Participation in an interlaboratory comparison program as required by Selected Licensee Commitments provides for independent checks on the precision and accuracy of measurements of radioactive material in REMP sample matrices. Such checks are performed as part of the quality assurance program for environmental monitoring in order to demonstrate that the results are valid for the purposes of Section IV.B.2 of Appendix I to 10CFR50. A summary of the results obtained as part of this comparison program are in Section 5 of this annual report.

2.3 STATISTICAL AND CALCULATIONAL METHODOLOGY

2.3.1 ESTIMATION OF THE MEAN VALUE

There was one (1) basic statistical calculation performed on the raw data resulting from the environmental sample analysis program. The calculation involved the determination of the mean value for the indicator and the control samples for each sample medium. The mean is a widely used statistic. This value was used in the reduction of the data generated by the sampling and analysis of the various media in the Radiological Environmental Monitoring Program. "Net activity (or concentration)" is the activity (or concentration) determined to be present in the sample. No "Minimum Detectable Activity", "Lower Limit of Detection", "Less Than Level", or negative activities or concentrations are included in the calculation of the mean. The following equation was used to estimate the mean (reference 6.8):

$$\bar{x} = \frac{\sum_{i=1}^N x_i}{N}$$

Where:

$\bar{x}$ = estimate of the mean,

i = individual sample,

N = total number of samples with a net activity (or concentration),

x_i = net activity (or concentration) for sample i.

2.3.2 LOWER LEVEL OF DETECTION AND MINIMUM DETECTABLE ACTIVITY

The Lower Level of Detection (LLD) and Minimum Detectable Activity (MDA) are used throughout the Environmental Monitoring Program.

LLD - The LLD, as defined in the Selected Licensee Commitments Manual is the smallest concentration of radioactive material in a sample that will yield a net count, above the system background, that will be detected with 95% probability with only 5% probability of falsely concluding that a blank observation represents a "real" signal. The LLD is an *a priori* lower limit of detection. The actual LLD is dependent upon the standard deviation of the background counting rate, the counting efficiency, the sample size (mass or volume), the radiochemical yield, and the radioactive decay of the sample between sample collection and counting. The "required" LLD's for each sample medium and selected radionuclides are given in the Selected Licensee Commitments and are listed in Table 2.2-C.

MDA - The MDA is the net counting rate (sample after subtraction of background) that must be surpassed before a sample is considered to contain a scientifically measurable amount of a radioactive material exceeding background amounts. The MDA is calculated using a sample background and may be thought of as an "actual" LLD for a particular sample measurement.

2.3.3 TREND IDENTIFICATION

One of the purposes of an environmental monitoring program is to determine if there is a buildup of radionuclides in the environment due to the operation of the nuclear station. Visual inspection of tabular or graphical presentations of data (including preoperational) is used to determine if a trend exists. A decrease in a particular radionuclide's concentration in an environmental medium does not indicate that reactor operations are removing radioactivity from the environment but that reactor operations are not adding that radionuclide to the environment in quantities exceeding the preoperational level and that the normal removal processes (radioactive decay, deposition, resuspension, etc.) are influencing the concentration.

Substantial increases or decreases in the amount of a particular radionuclide's release from the nuclear plant will greatly affect the resulting environmental levels; therefore, a knowledge of the release of a radionuclide from the nuclear plant is necessary to completely interpret the trends, or lack of trends, determined from the environmental data. Some factors that may affect environmental levels of radionuclides include prevailing weather conditions (periods of drought, solar cycles or heavier than normal precipitation), construction in or around either the nuclear plant or the sampling location, and addition or deletion of other sources of radioactive materials (such as the Chernobyl accident). Some of these factors may be obvious while others are sometimes unknown. Therefore, how trends are identified will include some judgment by plant personnel.

Figure 2.1-1

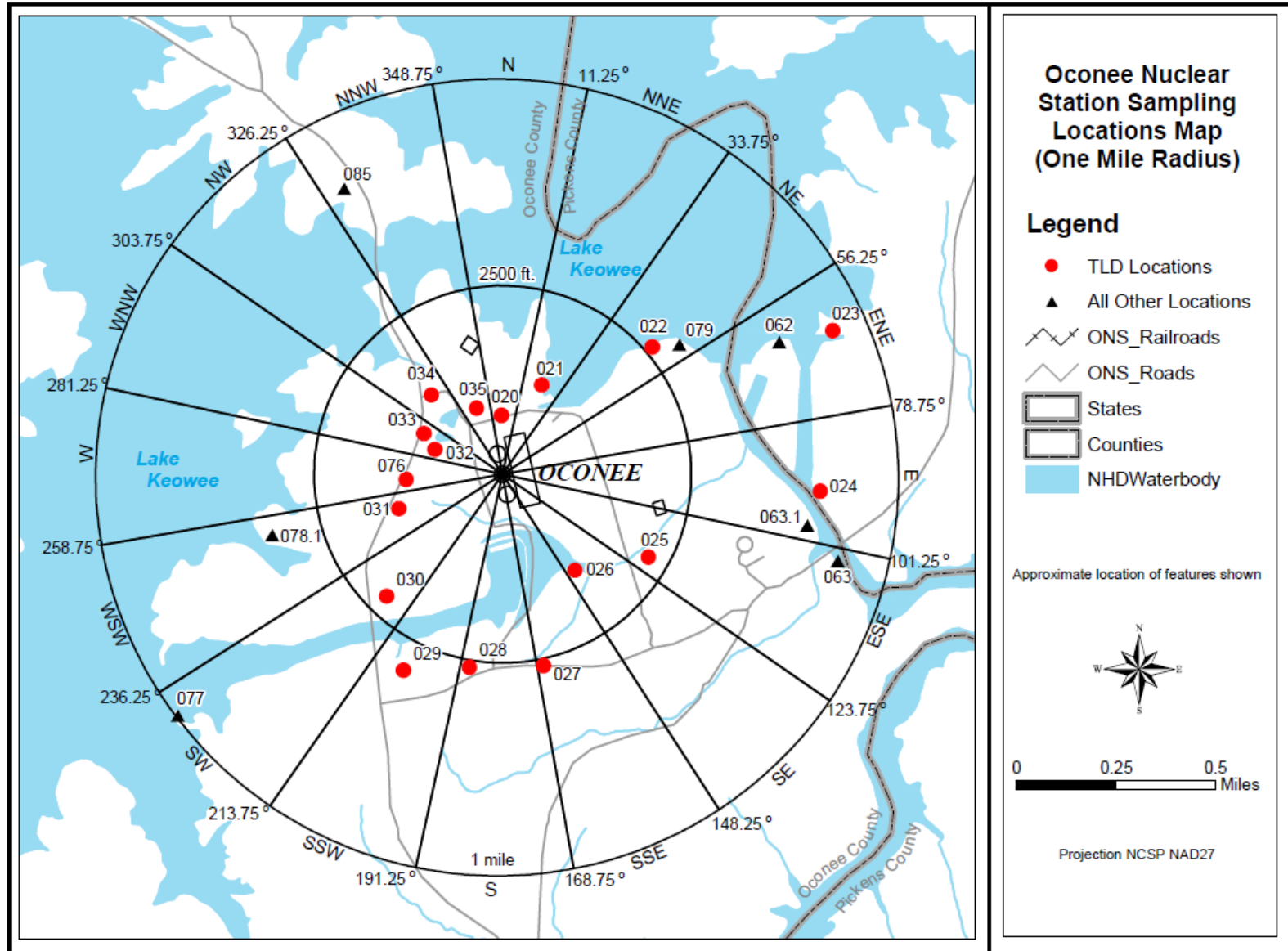


Figure 2.1-2

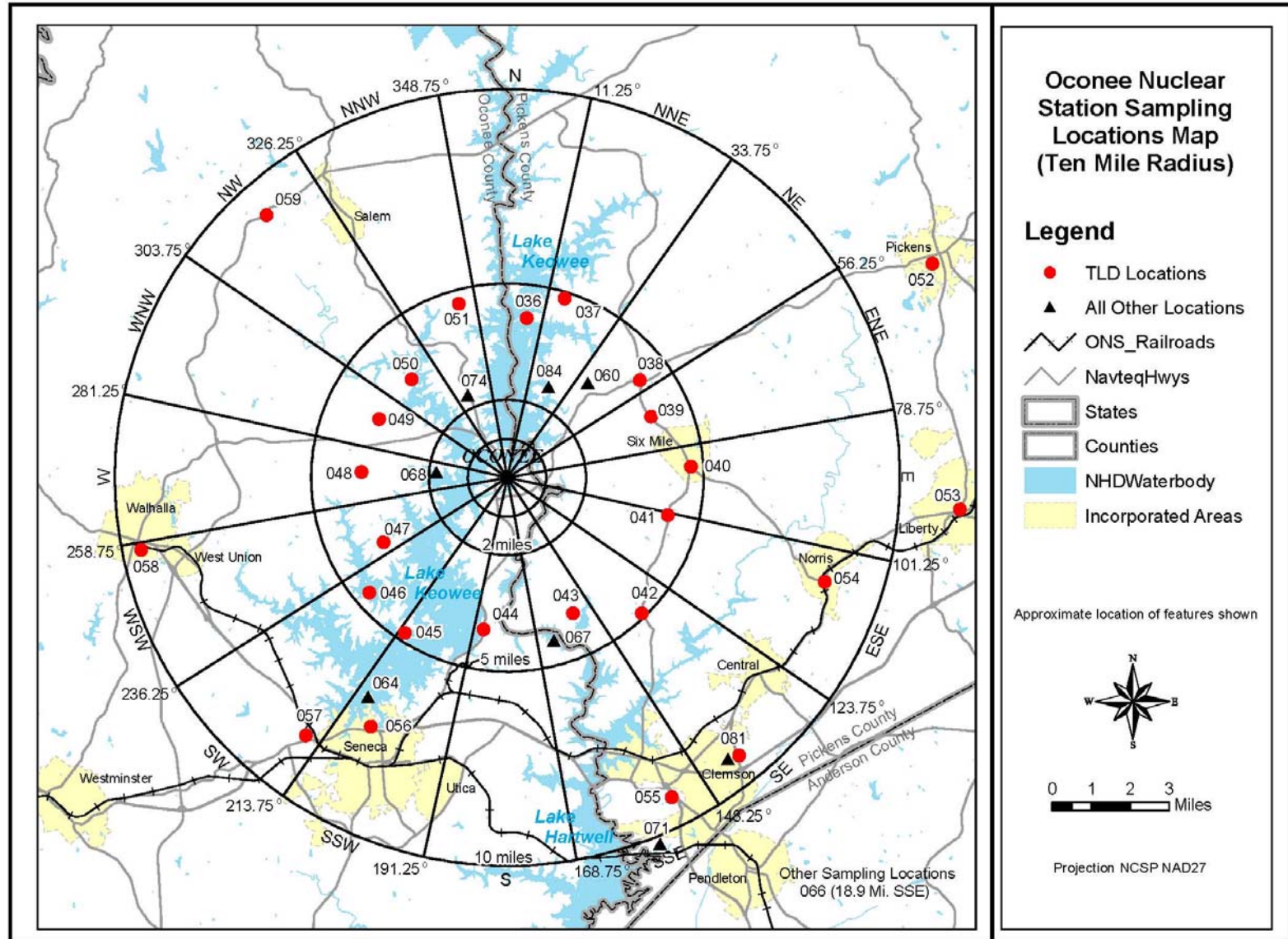


TABLE 2.1-A

**OCONEE RADIOLOGICAL MONITORING PROGRAM
SAMPLING LOCATIONS**

Table 2.1-A Codes			
W	Weekly	SM	Semimonthly
BW	BiWeekly	Q	Quarterly
M	Monthly	SA	Semiannually
C	Control	I	Indicator

Site #	Measure Type	Location Description*	Air Rad. & Particulate	Surface Water	Drinking Water	Shoreline Sediment	Fish	Milk	Broadleaf Vegetation
060	I	Greenville Water Intake Road (3.23 NE)			M				
060	C**	Greenville Water Intake Road (2.28 NE)					SA		
062	C	Lake Keowee Hydro Intake (0.85 mi ENE)		M					
063	I	Lake Hartwell Hwy 183 Bridge (0.80 mi ESE) [000.7]				SA	SA		
063.1	I	Lake Hartwell Hwy 183 (0.79 mi E)		M					
064	C	Seneca (6.67 mi SSW) [004.1]			M				
066	I	Anderson (18.9 mi SSE) [012]			M				
067	I	Lawrence Ramsey Bridge Hwy 27 (4.34 mi SSE) [005.2]				SA	SA		
068	C	High Falls County Park (1.82 mi W)				SA			
071	C	Clemson Dairy (10.2 mi SSE) [006.3]						SM	
074	I	Keowee Key Resort (2.36 mi NNW)	W						
077	I	Skimmer Wall (1.00 mi SW)	W						M
078.1	I	Recreation Site (0.53 mi WSW)	W						
079	I	Keowee Dam (0.56 mi NE)	W						M
081	C	Clemson Operations Center (9.33 mi SE)	W						M
084	I	Sue Craig Road (2.58 mi NNE)	W						M
085	I	Lake Services / Building B9125 (0.88 mi NNW)	W						

* GPS data reflect approximate accuracy to within 2-5 meters. GPS field measurements were taken as close as possible to the item of interest.

** Control for Fish Only

[] Location Numbers prior to 1984

TABLE 2.1-B

**OCONEE RADIOLOGICAL MONITORING PROGRAM
SAMPLING LOCATIONS (TLD SITES)**

Table 2.1-B Codes			
IR	Inner Ring	OR	Outer Ring
C	Control	SI	Special Interest

Site #	Measure Type	Location*	Distance (miles)	Sector	Site #	Measure Type	Location*	Distance (miles)	Sector
020	IR	SITE BOUNDARY	0.16	N	040	OR	MICROWAVE TOWER, SIX MILE	4.74	E
021	IR	SITE BOUNDARY	0.25	NNE	041	OR	JCT HWY 101 & 133	4.25	ESE
022	IR	SITE BOUNDARY	0.53	NE	042	OR	LAWRENCE CHAPEL CHURCH, HWY 133	4.93	SE
023	IR	SITE BOUNDARY	0.93	ENE	043	OR	HWY 291 AT ISSAQUEENA PARK	4.09	SSE
024	IR	SITE BOUNDARY	0.79	E	044	OR	HWY 130 AT LITTLE RIVER DAM	3.96	S
025	IR	SITE BOUNDARY	0.42	ESE	045	OR	TERMINUS OF HWY 588 AT CROOKED CREEK	4.78	SSW
026	IR	SITE BOUNDARY	0.34	SE	046	OR	HWY 188 AT CROOKED CREEK	4.61	SW
027	IR	SITE BOUNDARY	0.49	SSE	047	OR	NEW HOPE CHURCH, HWY 188	3.58	WSW
028	IR	SITE BOUNDARY	0.46	S	048	OR	JCT HWY 175 & 188	3.64	W
029	IR	SITE BOUNDARY	0.56	SSW	049	OR	JCT HWY 201 & 92	3.60	WNW
030	IR	SITE BOUNDARY	0.42	SW	050	OR	STAMP CREEK LANDING, END OF HWY 92	3.53	NW
031	IR	SITE BOUNDARY	0.27	WSW	051	OR	HWY 128, 1 MILE N OF HWY 130	4.64	NNW
076	IR	SITE BOUNDARY	0.19	W	052	SI	DPC BRANCH OFFICE SITE - PICKENS	12.4	ENE
032	IR	SITE BOUNDARY	0.19	WNW	053	SI	DPC BRANCH OFFICE SITE - LIBERTY	11.7	E
033	IR	SITE BOUNDARY	0.21	WNW	054	SI	POST OFFICE - HWY 93 NORRIS	8.60	ESE
034	IR	SITE BOUNDARY	0.22	NW	055	SI	CLEMSON METEOROLOGY PLOT	9.27	SSE
035	IR	SITE BOUNDARY	0.17	NNW	056	SI	WATER TOWER - SENECA	7.30	SSW
036	OR	MILE CREEK LANDING	4.18	N	057	SI	OCONEE MEMORIAL HOSPITAL	8.42	SW
037	OR	KEOWEE CHURCH, HWY 327	4.85	NNE	058	C	BRANCH RD SUBSTATION, WALHALLA	9.39	WSW
038	OR	CONVENIENCE MART, JCT HWY 183 & 133	4.24	NE	059	SI	TAMASSEE DAR SCHOOL	9.20	NW
039	OR	HWY 133, 1 MILE EAST OF JCT HWY 183 & 133	4.02	ENE	081	C	CLEMSON OPERATIONS CENTER	9.33	SE

* GPS data reflect approximate accuracy to within 2-5 meters. GPS field measurements were taken as close as possible to the item of interest.

TABLE 2.2-A

**REPORTING LEVELS FOR RADIOACTIVITY
CONCENTRATIONS IN ENVIRONMENTAL SAMPLES**

Analysis	Water (pCi/liter)	Air Particulates or Gases (pCi/m ³)	Fish (pCi/kg-wet)	Milk (pCi/liter)	Broadleaf Vegetation (pCi/kg-wet)
H-3	20,000 ^(a)				
Mn-54	1,000		30,000		
Fe-59	400		10,000		
Co-58	1,000		30,000		
Co-60	300		10,000		
Zn-65	300		20,000		
Zr-Nb-95	400				
I-131	2 ^(b)	0.9		3	100
Cs-134	30	10	1,000	60	1,000
Cs-137	50	20	2,000	70	2,000
Ba-La-140	200			300	

(a) For drinking water samples only. This is 40CFR Part 141 value.

(b) If low-level I-131 analyses are performed.

TABLE 2.2-B

REMP ANALYSIS FREQUENCY

Sample Medium	Analysis Schedule	Gamma Isotopic	Tritium	Low Level I-131	Gross Beta	TLD
Air Radioiodine	Weekly	X				
Air Particulate	Weekly	X			X	
Direct Radiation	Quarterly					X
Surface Water	Monthly	X				
	Quarterly Composite		X			
Drinking Water	Monthly	X		(a)	X	
	Quarterly Composite		X			
Shoreline Sediment	Semiannually	X				
Milk	Semimonthly	X		X		
Fish	Semiannually	X				
Broadleaf Vegetation	Monthly	X				

(a) Low level I-131 analysis will be performed if abnormal releases occur which could reasonably result in > 1 pCi/liter of I-131 in drinking water. An LLD of 1 pCi/liter will be required for this analysis.

TABLE 2.2-C**MAXIMUM VALUES FOR THE LOWER LIMITS OF DETECTION**

Analysis	Water (pCi/liter)	Air Particulates or Gases (pCi/m ³)	Fish (pCi/kg-wet)	Milk (pCi/liter)	Broadleaf Vegetation (pCi/kg-wet)	Sediment (pCi/kg-dry)
Gross Beta	4	0.01				
H-3	2000					
Mn-54	15		130			
Fe-59	30		260			
Co-58, 60	15		130			
Zn-65	30		260			
Zr-95	15					
Nb-95	15					
I-131	15 ^(a)	0.07		1	60	
Cs-134	15	0.05	130	15	60	150
Cs-137	18	0.06	150	18	80	180
Ba-La-140	15			15		

(a) LLD for low-level I-131 analyses is 1 pCi/liter if performed

3.0 INTERPRETATION OF RESULTS

Review of 2012 REMP analysis results was performed to identify changes in environmental levels as a result of station operations. The review is summarized in this section. Data from 2012 was compared to preoperational and historical data. Sample data for some media is not directly comparable to preoperational and earlier operational sample results because of either significant changes in the analysis methods or changes in the reporting of the results.

Evaluation for significant trends was performed for the radionuclides that have required LLDs listed in Selected Licensee Commitment 16.11.6. These radionuclides are collectively referred to as "Selected Licensee Commitments radionuclides" and include H-3, Mn-54, Fe-59, Co-58, Co-60, Zn-65, Zr-95, Nb-95, I-131, Cs-134, Cs-137, Ba-140, and La-140. Drinking water gross beta results are routinely trended. Trending of air particulate gross beta results was initiated in 1996 when the analysis was resumed. Trending is also performed for other radionuclides that are detected and could have been the result of station effluents. Only Selected Licensee Commitment radionuclides were detected in 2012.

Trending was performed by comparing annual mean concentrations of any effluent related detected radionuclide to historical results. Factors evaluated include the frequency of detection and the concentration in terms of the percent of the radionuclide's SLC reporting level (Table 2.2-A). All maximum percent of reporting level values were well below the 100% action level. The highest value reached during 2012 due to ONS operation was 4.33% for Co-58, Co-60, and Cs-137 in a fish sample collected at location 063.

Changes in sample location, analytical technique, and presentation of results must be considered when reviewing for trends. Calculation of the annual mean concentrations has been performed differently over the history of the REMP. During 1979-1986, all net results (sample minus background), positive and negative, were included in the calculation of the mean. Only positive net activity results were used to calculate the mean for the other years. A change in gamma spectroscopy analysis systems in 1987 ended a period when many measurements yielded detectable low-level activity for both indicator and control location samples. It is thought that the method the previous system used to estimate net activity may have been vulnerable to false-positive results.

Data presented in Sections 3.1 - 3.8 support the conclusion that there were no significant increases in radionuclides in the environment around ONS due to station operations in 2012.

3.1 AIRBORNE RADIOIODINE AND PARTICULATES

In 2012, 312 radioiodine and particulate samples were analyzed, 260 from five indicator locations and 52 from the control location. Particulate samples were analyzed weekly for gamma and gross beta. Radioiodine samples received a weekly gamma analysis.

Indicator location 074 was replaced by indicator location 085 in 2012. Location 074 was determined to be located too close to a municipal waste treatment facility (reference 6.16). Location 085 was the highest indicator location during 2012. The data from this location is slightly higher than typical and was effective 9/17/2012 through 12/31/2012.

There was no detectable I-131 in air samples in 2012. Table 3.1-A gives the highest indicator location annual mean and control location annual mean for I-131 since the preoperational period. The table shows similar historical concentrations for both the indicator and control locations and the activities decreasing from early in the operational history of the plant. No I-131 activity due to ONS plant operations has been detected since 1994.

There were no detectable gamma emitting radionuclides detected in air particulate samples in 2012 due to ONS plant operations. No gamma emitting particulates due to ONS plant operations have been detected in indicator location samples since the change in gamma spectroscopy analysis systems in 1987.

Beta analysis of particulate filters was initiated in March of 1996 and became required by Selected Licensee Commitments in 1998. Gross beta analysis was performed on particulate filters during the preoperational and early operational history of the plant but had not been required since 1984. Figure 3.1 summarizes gross beta results for the indicator location with the highest annual mean and the control location samples. Both the indicator and control location results are similar in concentration and are near the lower range of preoperational gross beta results.

K-40 and Be-7 are the naturally occurring radionuclides that were observed in air samples.

Table 3.1-A Mean Concentration of Air Radioiodine (I-131)

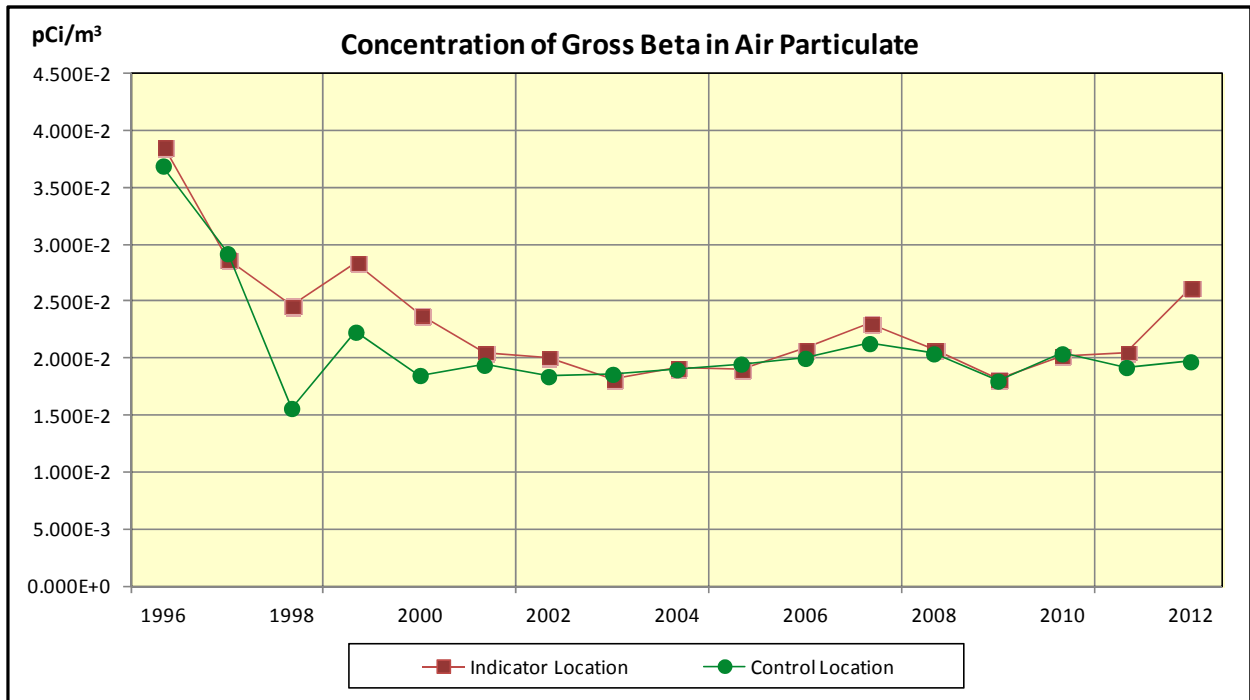
Year	Indicator Location (pCi/m ³)	Control Location (pCi/m ³)
Preoperational 1969-1972	0.00E0	0.00E0
Feb. 1973 - June 1973	0.00E0	0.00E0
July 1973 - Dec. 1973	0.00E0	0.00E0
Jan. 1974 - June 1974	0.00E0	0.00E0
July 1974 - Dec. 1974	2.60E-2	8.00E-3
Jan. 1975 - June 1975	8.65E-2	3.12E-2
July 1975 - Dec. 1975	1.13E-2	9.52E-3
1976	2.76E-2	2.18E-2
1977	3.60E-2	3.60E-2
1978	2.19E-1	1.15E-1
1979	7.54E-3	4.75E-4
1980	3.07E-3	9.67E-4
1981	6.31E-3	5.39E-4
1982	2.87E-3	8.10E-4
1983	1.48E-3	3.05E-4
1984	8.11E-4	-2.30E-5
1985	7.71E-4	4.54E-4
1986	5.02E-3	7.86E-3
1987	4.29E-3	5.19E-3
1988	0.00E0	0.00E0
1989	4.99E-4	0.00E0
1990	0.00E0	0.00E0
1991	0.00E0	0.00E0
1992	0.00E0	0.00E0
1993	0.00E0	0.00E0
1994	1.03E-2	0.00E0
1995	0.00E0	0.00E0
1996	0.00E0	0.00E0
1997	0.00E0	0.00E0
1998	0.00E0	0.00E0
1999	0.00E0	0.00E0
2000	0.00E0	0.00E0
2001	0.00E0	0.00E0
2002	0.00E0	0.00E0
2003	0.00E0	0.00E0
2004	0.00E0	0.00E0
2005	0.00E0	0.00E0
2006	0.00E0	0.00E0
2007	0.00E0	0.00E0
2008	0.00E0	0.00E0
2009	0.00E0	0.00E0
2010	0.00E0	0.00E0
2011	5.05E-2	4.13E-2
2012	0.00E0	0.00E0

0.00E0 = no detectable measurements

1979 - 1986 mean based on all net activity results

2011 concentration affected by Fukushima Daiichi

Figure 3.1



Pre-operational sample results ranged from 0.04 to 1.46 pCi/m³

There is no reporting level for gross beta in air particulate

Table 3.1-B Mean Concentration of Gross Beta in Air Particulate

Monitoring Period	Indicator Location (pCi/m³)	Control Location (pCi/m³)
1996	3.87E-2	3.69E-2
1997	2.87E-2	2.92E-2
1998	2.47E-2	1.56E-2
1999	2.85E-2	2.23E-2
2000	2.38E-2	1.85E-2
2001	2.05E-2	1.94E-2
2002	2.01E-2	1.84E-2
2003	1.86E-2	1.82E-2
2004	1.92E-2	1.90E-2
2005	1.95E-2	1.91E-2
2006	2.09E-2	2.00E-2
2007	2.31E-2	2.13E-2
2008	2.08E-2	2.04E-2
2009	1.82E-2	1.80E-2
2010	2.02E-2	2.04E-2
2011	2.06E-2	1.92E-2
Average (2002 - 2011)	2.01E-2	1.94E-2
2012	2.63E-2	1.97E-2

3.2 DRINKING WATER

Gross beta analysis and gamma spectroscopy were performed on 39 monthly drinking water samples. These samples were composited to form 12 quarterly period samples for Tritium analysis. Two indicator locations and a control location were sampled; however, only one of the indicator locations is downstream of the effluent release point.

Table 3.2 lists the highest indicator location annual mean and control location annual mean for gross beta results since the preoperational period. The indicator location had an average concentration of 1.40 pCi/liter in 2012, and the control location had a concentration of 0.92 pCi/liter. The 2011 indicator mean was 1.18 pCi/liter. The table shows that 2012 gross beta levels in drinking water are lower than preoperational concentrations. The dose for consumption of water was less than one mrem per year, historically and for 2012; therefore low-level iodine analysis is not required.

Tritium was detected in four of the twelve composite samples during 2012. The 2012 mean indicator location 066 concentration was 322 pCi/liter, which is 1.61% of the reporting level. Table 3.2 and Figure 3.2 show the highest indicator and control location annual means for Tritium since analysis was initiated early in the operational period. Tritium concentrations have decreased at both the indicator and control locations. The closure of the Clemson water plant in 1989 is one reason for the decrease shown in the table and graph. The Clemson site was typically the high mean location when the plant was in operation.

There were no gamma emitting radionuclides identified in drinking water samples in 2012. Gamma spectroscopy analysis has not detected any activity in the water supplies since 1988. K-40 is the naturally occurring radionuclide that was observed in drinking water samples.

Figure 3.2 *Current reporting level implemented 1984*

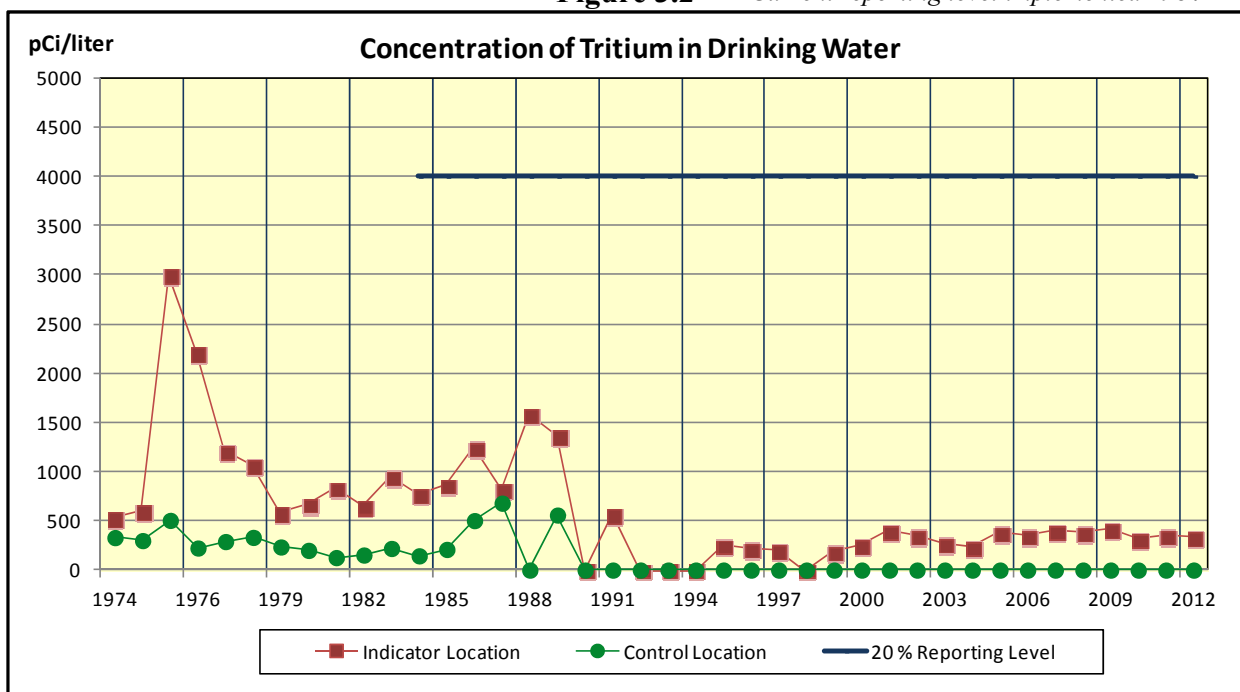


Table 3.2 Mean Concentrations of Radionuclides in Drinking Water

Year	Gross Beta (pCi/l)		Tritium (pCi/l)	
	Indicator Location	Control Location	Indicator Location	Control Location
Preoperational ending Jan. 1971	3.03	5.90	Analysis not required	
Preoperational ending Jan. 1973	3.58	4.94	Analysis not required	
Feb. 1973 - June 1973	Qualitative results reported		Analysis not required	
June 1973 - Dec. 1973	7.15	21.78	Analysis not required	
Jan. 1974 - June 1974	3.13	6.98	Analysis not required	
July 1974 - Dec. 1974	2.24	2.02	525	330
Jan. 1975 - June 1975	1.98	1.59	600	300
July 1975 - Dec. 1975	2.01	1.22	2990	505
1976	2.38	2.00	2196	224
1977	2.70	2.30	1200	290
1978	2.56	2.17	1050	333
1979	1.83	1.36	576	235
1980	1.86	1.63	660	200
1981	1.98	1.88	830	127
1982	2.04	1.45	643	153
1983	1.85	1.54	937	220
1984	1.87	1.08	765	145
1985	2.14	1.16	856	210
1986	1.91	1.04	1240	503
1987	2.00	1.20	815	680
1988	2.00	1.40	1570	0.00
1989	2.30	1.80	1350	559
1990	3.00	2.70	0.00	0.00
1991	1.80	1.40	558	0.00
1992	3.20	1.60	0.00	0.00
1993	2.10	1.90	0.00	0.00
1994	1.90	2.10	0.00	0.00
1995	5.10	2.90	248	0.00
1996	2.07	1.77	214	0.00
1997	2.52	2.23	194	0.00
1998	2.48	1.70	0.00	0.00
1999	1.73	1.49	185	0.00
2000	2.07	1.68	251	0.00
2001	1.75	1.29	390	0.00
2002	1.61	1.21	338	0.00
2003	1.51	1.05	266	0.00
2004	1.58	1.25	225	0.00
2005	1.28	1.37	377	0.00
2006	1.54	1.75	340	0.00
2007	1.58	1.08	402	0.00
2008	1.82	1.25	372	0.00
2009	1.37	1.19	415	0.00
2010	1.10	0.97	308	0.00
2011	1.18	1.00	339	0.00
2012	1.40	0.92	322	0.00

0.00 = no detectable measurements

1989 - Clemson water plant closes; nearest downstream plant is Anderson.

1979 - 1986 mean based on all net activity results

3.3 SURFACE WATER

Gamma spectroscopy was performed on 26 monthly surface water samples. These samples were composited to form eight quarterly samples for Tritium analysis. One indicator and one control location were sampled. The indicator location is near the liquid effluent release point.

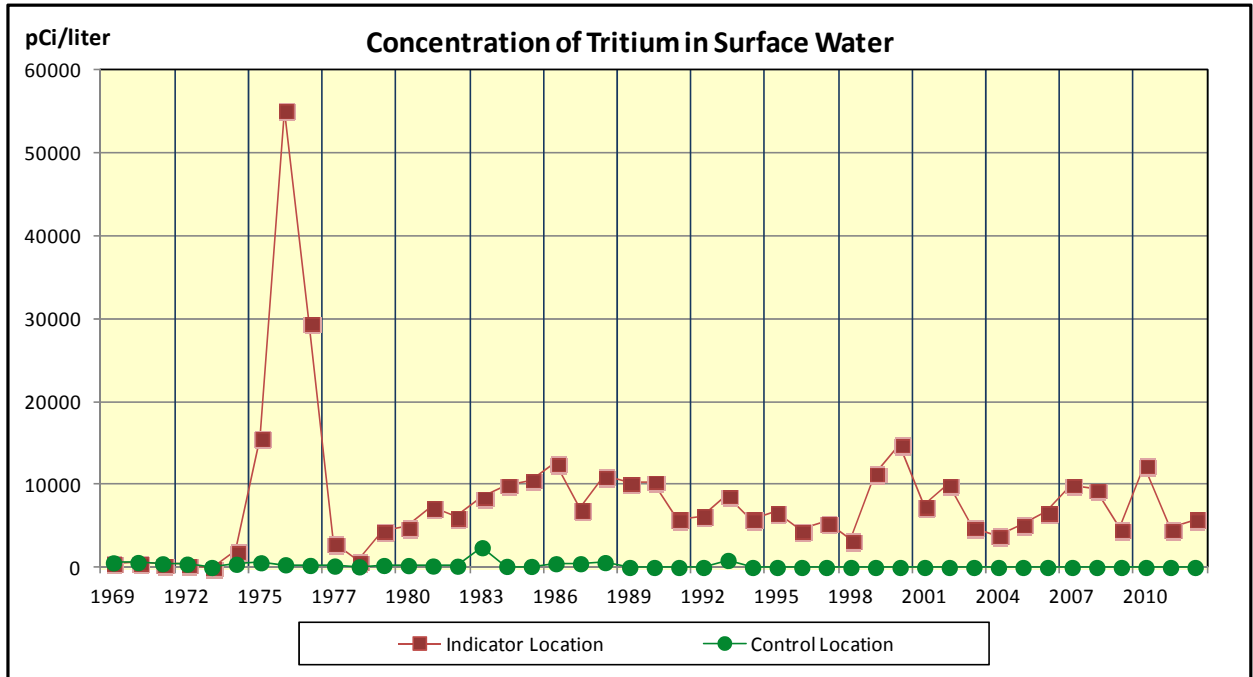
Tritium was detected in the four indicator location samples. The 2012 average concentration was 5,755 pCi/liter. The individual samples ranged from 3,960 pCi/liter to 7,640 pCi/liter. The 2011 mean concentration was 4,750 pCi/liter. Tritium was not detected in any control surface water samples.

Figure 3.3 shows the indicator and control annual means for Tritium since the preoperational period. Table 3.3 lists the indicator annual means.

Gamma spectroscopy analysis did not detect any station related activity during 2012. No gamma emitting radionuclides attributable to station operation have been detected in surface water samples since 1999. Table 3.3 summarizes the indicator annual means of radionuclides detected since the change in the gamma spectroscopy analysis system in 1987. Visual inspection of the gamma spectroscopy tabular data covering the early operational period through 2012 did not reveal any increasing trends.

K-40 and Be-7 are the naturally occurring radionuclide observed in surface water samples in 2012.

Figure 3.3



There is no reporting level for Tritium in surface water

Table 3.3 Mean Concentrations of Radionuclides in Surface Water

Year	Co-58 (pCi/l)	Co-60 (pCi/l)	Nb-95 (pCi/l)	Cs-137 (pCi/l)	H-3 pCi/l)
Preoperational 1969		Qualitative results reported			4.86E2
Preoperational 1970		Qualitative results reported			5.94E2
Preoperational 1971		Qualitative results reported			4.01E2
Preoperational 1972		Qualitative results reported			3.62E2
1973		Qualitative results reported			0.00E0
1974	0.00E0	1.32E1	0.00E0	1.60E1	1.99E3
Jan. 1975 – June 1975	0.00E0	0.00E0	0.00E0	0.00E0	1.56E4
July 1975 – Dec. 1975	0.00E0	1.34E1	0.00E0	0.00E0	5.52E4
1976	1.08E2	3.30E1	0.00E0	3.50E1	2.95E4
1977	2.60E1	1.80E1	0.00E0	3.10E1	2.90E3
1978	2.96E2	0.00E0	0.00E0	2.22E1	8.00E2
1979	1.33E0	2.60E0	1.78E0	2.82E0	4.37E3
1980	1.56E0	2.30E0	1.22E0	5.40E0	4.93E3
1981	1.10E0	6.10E-1	1.70E0	3.90E0	7.21E3
1982	6.14E-1	1.99E0	2.29E0	4.85E0	6.13E3
1983	6.99E-1	3.02E0	3.91E-1	6.83E-1	8.40E3
1984	9.40E-1	6.30E-1	7.90E-1	4.83E-1	9.90E3
1985	2.15E-1	6.27E-1	4.95E-1	9.90E-1	1.05E4
1986	3.28E0	1.23E0	1.14E0	3.07E-1	1.26E4
1987	5.10E1	3.40E0	4.00E0	0.00E0	7.08E3
1988	6.20E0	5.00E0	2.50E0	3.50E0	1.10E4
1989	5.30E0	3.00E0	0.00E0	3.40E0	1.02E4
1990	1.70E0	1.60E0	0.00E0	0.00E0	1.03E4
1991	5.40E0	0.00E0	0.00E0	0.00E0	5.76E3
1992	2.50E0	0.00E0	0.00E0	0.00E0	6.22E3
1993	0.00E0	0.00E0	0.00E0	0.00E0	8.62E3
1994	0.00E0	0.00E0	0.00E0	0.00E0	5.75E3
1995	0.00E0	0.00E0	0.00E0	0.00E0	6.65E3
1996	0.00E0	0.00E0	0.00E0	0.00E0	4.54E3
1997	0.00E0	0.00E0	0.00E0	0.00E0	5.50E3
1998	0.00E0	0.00E0	0.00E0	0.00E0	3.35E3
1999	2.73E1	0.00E0	0.00E0	0.00E0	1.13E4
2000	0.00E0	0.00E0	0.00E0	0.00E0	1.48E4
2001	0.00E0	0.00E0	0.00E0	0.00E0	7.43E3
2002	0.00E0	0.00E0	0.00E0	0.00E0	1.00E4
2003	0.00E0	0.00E0	0.00E0	0.00E0	4.77E3
2004	0.00E0	0.00E0	0.00E0	0.00E0	3.86E3
2005	0.00E0	0.00E0	0.00E0	0.00E0	5.15E3
2006	0.00E0	0.00E0	0.00E0	0.00E0	6.72E3
2007	0.00E0	0.00E0	0.00E0	0.00E0	9.91E3
2008	0.00E0	0.00E0	0.00E0	0.00E0	9.43E3
2009	0.00E0	0.00E0	0.00E0	0.00E0	4.68E3
2010	0.00E0	0.00E0	0.00E0	0.00E0	1.23E4
2011	0.00E0	0.00E0	0.00E0	0.00E0	4.75E3
2012	0.00E0	0.00E0	0.00E0	0.00E0	5.76E3

0.00E0 = no detectable measurements

1979-1986 mean based on all net activity results

3.4 MILK

Gamma spectroscopy and low level iodine analysis was performed on 26 milk samples collected in 2012. One control location was sampled. No indicator dairies were identified by the 2012 land use census.

There were no gamma emitting radionuclides due to ONS plant operations identified in milk samples in 2012. Cs-137 is the only radionuclide, other than naturally occurring, reported in milk samples since 1988 (excluding Fukushima Daiichi). Cs-137 in milk is not unusual. It is a constituent of nuclear weapons test fallout and has been observed in samples from indicator and control locations in previous years.

Table 3.4 lists the highest indicator location annual mean and control location annual mean for Cs-137 since the preoperational period. The table shows similar concentrations for both indicator and control locations.

K-40 is a naturally occurring radionuclide observed in milk samples in 2012.

Table 3.4 Mean Concentration of Radionuclides in Milk

Year	Cs-137 Indicator (pCi/l)	Cs-137 Control (pCi/l)
Preoperational	1.57E1	1.46E1
Feb. 1973 – June 1973	Qualitative results reported	Qualitative results reported
July 1973 – Dec. 1973	5.80E0	Qualitative results reported
Jan. 1974 – June 1974	5.30E0	0.00E0
July 1974 – Dec. 1974	1.11E1	0.00E0
Jan. 1975 – June 1975	1.51E1	9.45E0
July 1975 – Dec. 1975	0.00E0	0.00E0
1976	1.80E1	7.47E0
1977	0.00E0	0.00E0
1978	1.33E1	1.33E1
1979	7.25E0	2.52E0
1980	3.58E0	2.63E0
1981	5.52E0	5.51E0
1982	2.71E0	3.25E0
1983	5.04E0	-4.27E-1
1984	2.30E0	2.58E0
1985	2.38E0	1.31E0
1986	2.92E0	2.97E0
1987	4.90E0	4.90E0
1988	3.90E0	3.20E0
1989	4.70E0	2.90E0
1990	6.40E0	0.00E0
1991	5.00E0	0.00E0
1992	6.60E0	0.00E0
1993	0.00E0	0.00E0
1994	0.00E0	1.80E0
1995	2.30E0	2.00E0
1996	0.00E0	4.10E0
1997	0.00E0	0.00E0
1998	0.00E0	0.00E0
1999	0.00E0	0.00E0
2000	0.00E0	0.00E0
2001	0.00E0	0.00E0
2002	0.00E0	0.00E0
2003	0.00E0	0.00E0
2004	0.00E0	0.00E0
2005	0.00E0	0.00E0
2006	NO INDICATOR LOCATION	0.00E0
2007	NO INDICATOR LOCATION	0.00E0
2008	NO INDICATOR LOCATION	0.00E0
2009	NO INDICATOR LOCATION	0.00E0
2010	NO INDICATOR LOCATION	0.00E0
2011	NO INDICATOR LOCATION	0.00E0
2012	NO INDICATOR LOCATION	0.00E0

0.00E0 = no detectable measurements

1979 - 1986 mean based on all net activity results

The Oconee milk program was updated to align with NUREG-1301 during 2005 and documented in PIP O-04-01179. Location 071 was designated as the new control site effective with the 7/12/2005 sampling. No indicator dairies were identified by the 2012 land use census.

3.5 BROADLEAF VEGETATION

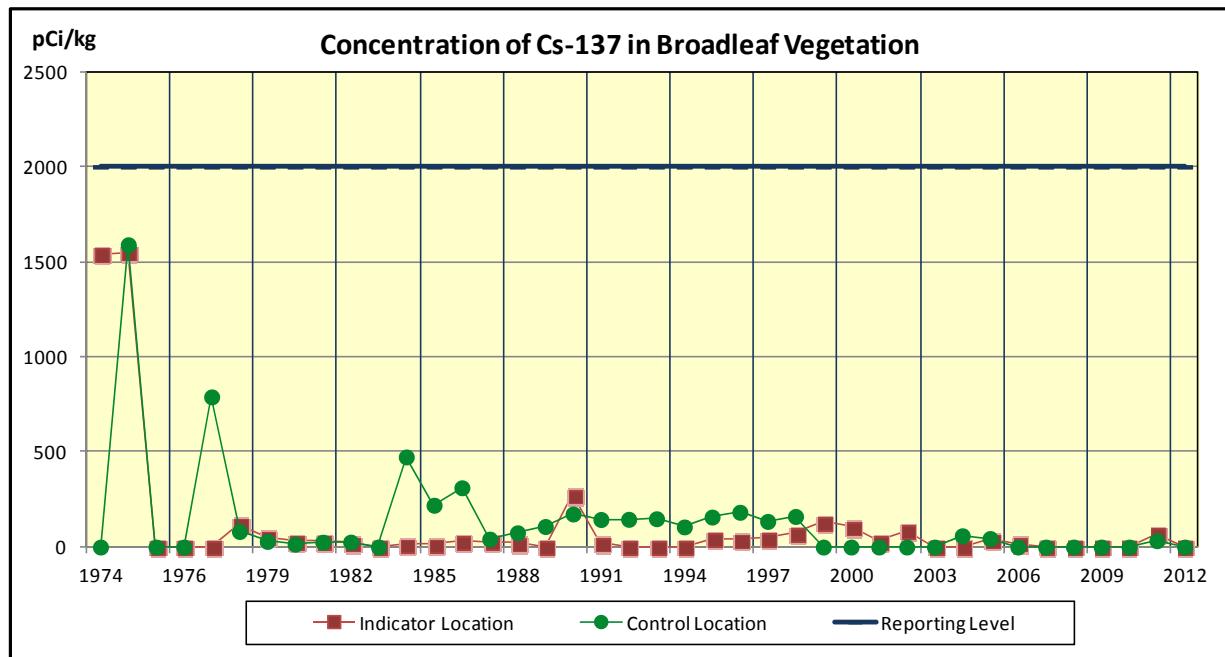
Gamma spectroscopy was performed on 48 broadleaf vegetation samples during 2012. Three indicator locations and one control location were sampled. There were no gamma emitting radionuclides attributable to ONS station operation identified in vegetation samples in 2012.

Cs-137 is the only radionuclide, other than naturally occurring, reported in vegetation samples since the change in gamma spectroscopy analysis systems in 1987. Table 3.5 shows historical concentrations of Cs-137.

It is not unusual for Cs-137 to be present in vegetation. It is a constituent of nuclear weapons test fallout and has been observed in samples from indicator and control locations in previous years. Table 3.5 lists the highest indicator location annual mean and control location annual mean for Cs-137 since early in the station's operational history. Visual inspection of the tabular data did not reveal any increasing trends.

K-40 and Be-7 are naturally occurring radionuclides that were observed in broadleaf vegetation samples in 2012.

Figure 3.5



2011 concentration affected by Fukushima Daiichi

Table 3.5 Mean Concentration of Radionuclides in Vegetation

Year	Cs-137 Indicator (pCi/kg)	Cs-137 Control (pCi/kg)
July 1974 - Dec. 1974	1.54E3	0.00E0
Jan. 1975 - June 1975	1.55E3	1.59E3
July 1975 - Dec. 1975	0.00E0	0.00E0
1976	0.00E0	0.00E0
1977	0.00E0	7.90E2
1978	1.19E2	8.19E1
1979	5.04E1	2.96E1
1980	2.80E1	1.55E1
1981	2.99E1	2.60E1
1982	2.42E1	2.62E1
1983	7.44E0	5.35E-1
1984	1.37E1	4.74E2
1985	1.62E1	2.20E2
1986	3.28E1	3.12E2
1987	2.70E1	4.20E1
1988	2.40E1	7.50E1
1989	0.00E0	1.08E2
1990	2.73E2	1.74E2
1991	2.20E1	1.45E2
1992	0.00E0	1.46E2
1993	0.00E0	1.49E2
1994	0.00E0	1.06E2
1995	4.30E1	1.58E2
1996	3.79E1	1.83E2
1997	4.73E1	1.35E2
1998	7.28E1	1.61E2
1999	1.34E2	0.00E0
2000	1.06E2	0.00E0
2001	3.19E1	0.00E0
2002	8.44E1	0.00E0
2003	0.00E0	0.00E0
2004	0.00E0	5.96E1
2005	4.51E1	4.11E1
2006	1.77E1	0.00E0
2007	0.00E0	0.00E0
2008	0.00E0	0.00E0
2009	0.00E0	0.00E0
2010	0.00E0	0.00E0
2011	6.68E1	3.35E1
2012	0.00E0	0.00E0

0.00E0 = no detectable measurements

Only qualitative results reported prior to 1974

Control location changed to 073 in 1984

Control location 081 added in 1998

Control location 073 was removed in 1999

1979 - 1986 mean based on all net activity results

2011 concentration affected by Fukushima Daiichi

3.6 FISH

In 2012, gamma spectroscopy was performed on 12 fish samples. Two downstream indicator and one control location were sampled. Cs-137 was identified in seven of the eight indicator location samples. Cs-137 was detected in three of the four control location samples at a mean concentration of 28.0 pCi/kg. The highest average indicator concentration for Cs-137 was 43.2 pCi/kg (2.16% of reporting level).

Co-58 and Co-60 were detected in one of the four indicator samples. Co-58 was identified at location 063 with an annual mean concentration of 123 pCi/kg (0.41% of reporting level). Co-60 was identified at location 063 with an annual mean concentration of 36.1 pCi/kg (0.36% of reporting level). An evaluation of these results was performed to document the review of sample collection and analysis methods and the review of effluent releases (reference 6.14). Additional fish sampling was performed at location 063 in January 2013 which produced analytical results similar to other fish from previous sampling events.

Figures 3.6-1 and 3.6-2 are graphs displaying the annual means for Cs-137 and Cs-134. Historically, both are contributors to the calculated dose from liquid effluents from ingestion of fish. Radioactivity concentrations in downstream fish samples are higher than those reported in preoperational fish samples, however, concentrations in fish have decreased over time with decreases in radioactive material releases from the plant.

One factor affecting the trend analysis is a change in sampling locations. In 1984, a second downstream fish location was added. Location 063 is closer to the liquid effluent discharge point and has been the highest mean indicator since it was added.

Table 3.6 lists the highest indicator location annual means since the preoperational period for radionuclides detected in 2012. Also included in the table are radionuclides that have been identified in this media since the change in analysis systems in 1987. Comparison of data to previous years does not indicate any increases in concentrations.

K-40 was observed in fish samples in addition to the radionuclides discussed above.

Figure 3.6-1

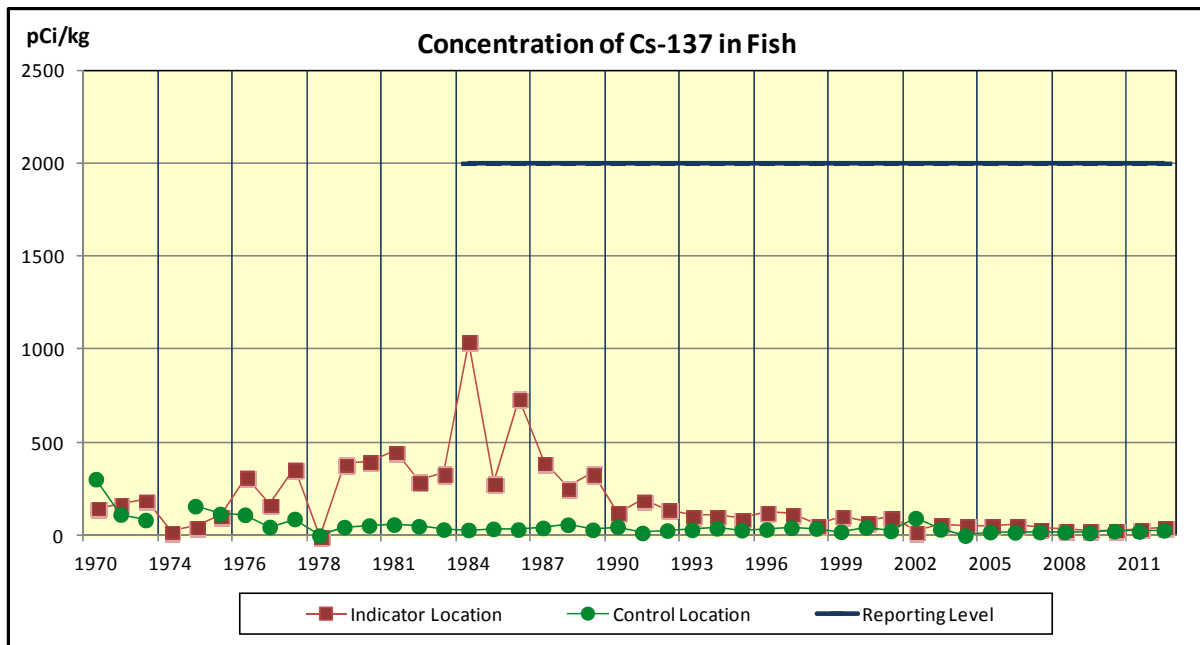
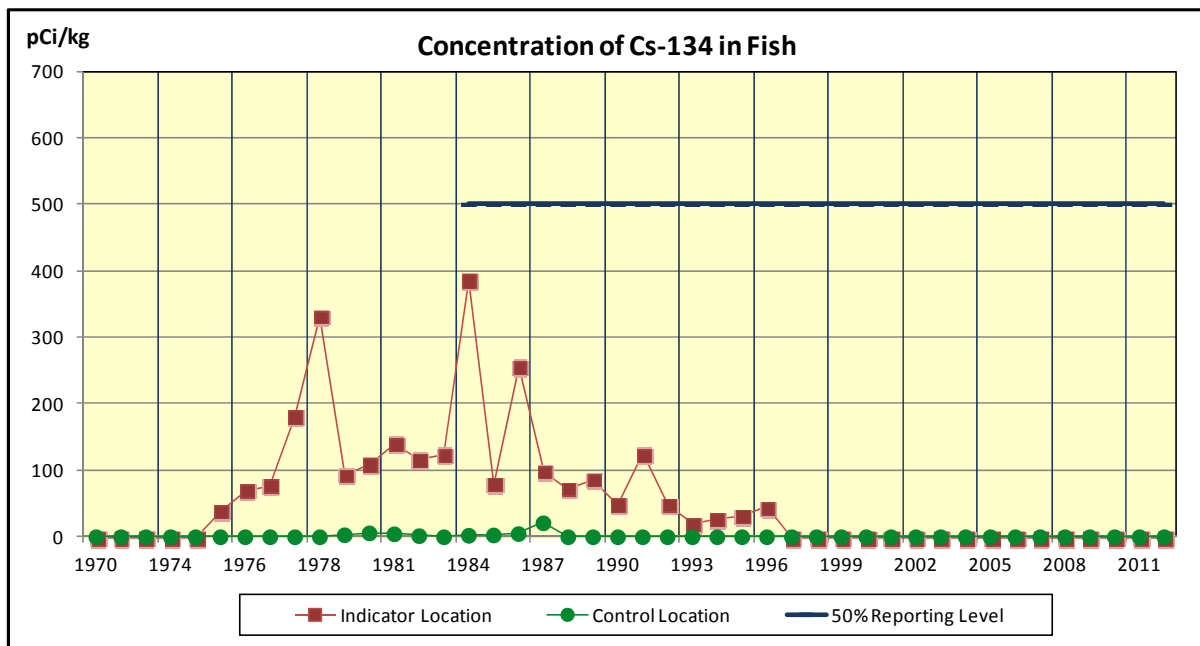


Figure 3.6-2



Current reporting levels implemented 1984

Table 3.6 Mean Concentrations of Radionuclides in Fish

Year	Co-58 (pCi/kg)	Co-60 (pCi/kg)	Cs-134 (pCi/kg)	Cs-137 (pCi/kg)
Preop ending Jan.1971	0.00E0	0.00E0	0.00E0	1.46E2
Preop ending Jan.1973	0.00E0	0.00E0	0.00E0	1.66E2
Feb. 1973 - June 1973	Qualitative results reported-no significant measurements above background			
July 1973 - Dec. 1973	0.00E0	0.00E0	0.00E0	1.89E2
Jan. 1974 - June 1974	0.00E0	0.00E0	0.00E0	2.47E1
July 1974 - Dec. 1974	0.00E0	0.00E0	0.00E0	4.85E1
Jan. 1975 - June 1975	0.00E0	0.00E0	3.81E1	1.05E2
July 1975 - Dec. 1975	8.50E1	0.00E0	7.00E1	3.13E2
1976	5.70E1	1.14E2	7.73E1	1.66E2
1977	0.00E0	0.00E0	1.80E2	3.60E2
1978	3.27E2	0.00E0	3.31E2	0.00E0
1979	1.91E0	1.56E1	9.26E1	3.88E2
1980	1.45E1	1.90E1	1.10E2	3.99E2
1981	2.25E1	1.49E1	1.40E2	4.51E2
1982	9.83E-1	8.03E0	1.17E2	2.94E2
1983	3.35E1	4.53E0	1.24E2	3.32E2
1984	1.21E2	6.23E1	3.87E2	1.04E3
1985	1.62E1	1.10E1	7.93E1	2.85E2
1986	9.56E1	2.59E1	2.57E2	7.36E2
1987	1.63E2	6.30E1	9.80E1	3.93E2
1988	9.60E1	0.00E0	7.20E1	2.60E2
1989	4.30E1	1.50E1	8.60E1	3.36E2
1990	1.50E1	0.00E0	4.80E1	1.19E2
1991	4.59E1	0.00E0	1.25E2	1.94E2
1992	6.10E1	0.00E0	4.80E1	1.36E2
1993	0.00E0	0.00E0	2.10E1	1.10E2
1994	0.00E0	0.00E0	2.80E1	1.05E2
1995	0.00E0	0.00E0	3.10E1	9.20E1
1996	0.00E0	0.00E0	4.49E1	1.25E2
1997	0.00E0	0.00E0	0.00E0	1.18E2
1998	0.00E0	0.00E0	0.00E0	5.79E1
1999	0.00E0	0.00E0	0.00E0	1.04E2
2000	0.00E0	0.00E0	0.00E0	7.54E1
2001	1.72E1	0.00E0	0.00E0	9.92E1
2002	0.00E0	0.00E0	0.00E0	9.37E1
2003	5.02E1	0.00E0	0.00E0	6.04E1
2004	0.00E0	0.00E0	0.00E0	5.29E1
2005	0.00E0	0.00E0	0.00E0	5.14E1
2006	0.00E0	0.00E0	0.00E0	5.58E1
2007	0.00E0	0.00E0	0.00E0	4.10E1
2008	0.00E0	0.00E0	0.00E0	3.13E1
2009	9.01E0	0.00E0	0.00E0	2.68E1
2010	0.00E0	0.00E0	0.00E0	2.69E1
2011	0.00E0	0.00E0	0.00E0	3.53E1
2012	1.23E2	3.61E1	0.00E0	4.32E1

0.00E0 = no detectable measurements

1979 - 1986 mean based on all net activity results

3.7 SHORELINE SEDIMENT

Gamma spectroscopy was performed on six sediment samples. Two downstream indicator locations and one control location were sampled. Four samples were taken from indicator locations and two from the control location.

Cs-137 was identified in the four indicator location samples. Cs-137 was not identified in the control location samples. The highest 2012 individual sample Cs-137 concentration was 80.6 pCi/kg. The highest 2011 individual sample Cs-137 concentration was 81.1 pCi/kg. Table 3.7 lists the highest indicator location annual means since shoreline sediment was initiated in 1984. Included in the table are radionuclides that have been identified in this media since the change in analysis systems in 1987.

Visual inspection of the tabular data did not reveal any trends. Figure 3.7-1 is a graph of the Cs-137 annual means. Figure 3.7-2 is a graph of the Co-60 annual means. Historically, both are contributors to the calculated dose from liquid effluents from shoreline sediment. No trends are apparent.

K-40 and Be-7 are naturally occurring radionuclides observed in shoreline sediment samples in 2012.

Figure 3.7-1

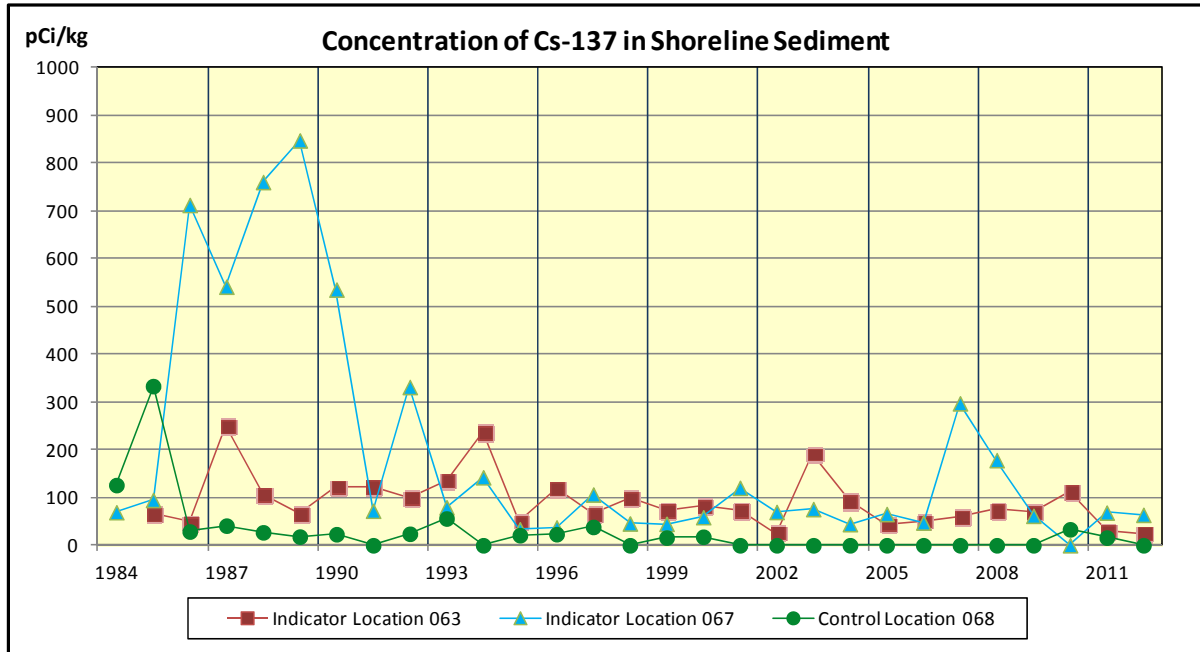
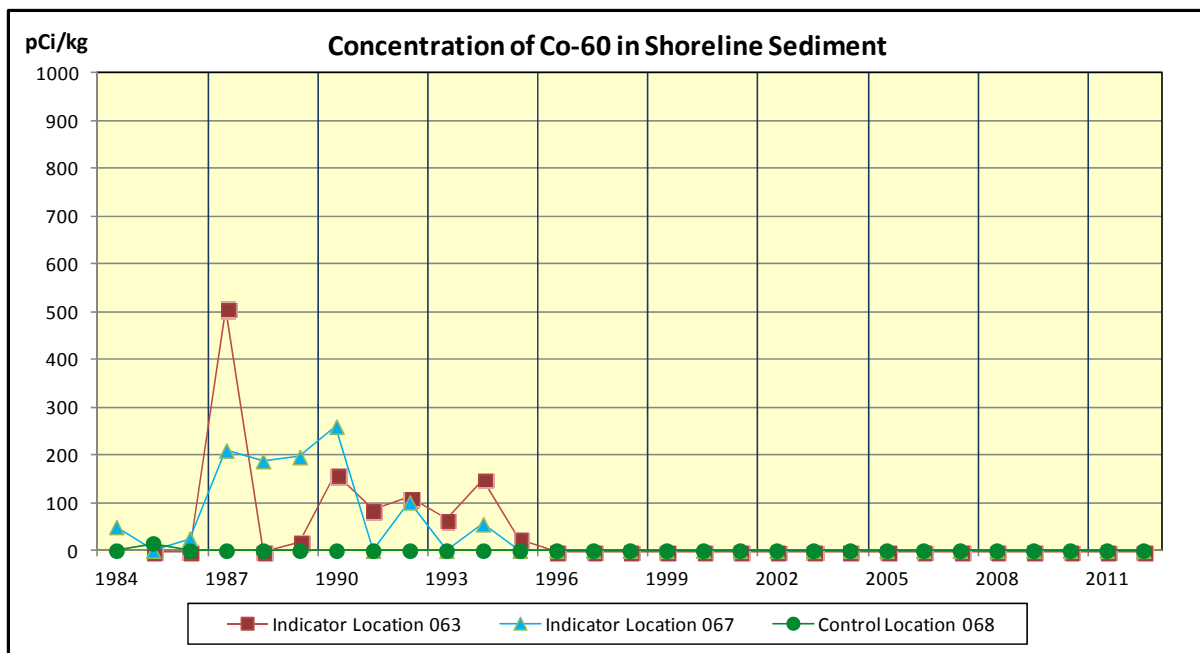


Figure 3.7-2



There are no reporting levels for shoreline sediment

Table 3.7 Mean Concentrations of Radionuclides in Shoreline Sediment (pCi/kg)

Year	Mn-54	Co-58	Co-60	Zn-65	Cs-134	Cs-137	Ag-110m	Sb-125
1984	1.10E1	1.09E1	1.19E1	0.00E0	7.77E1	5.16E1	0.00E0	0.00E0
1985	9.39E0	1.27E0	4.79E0	0.00E0	7.63E1	9.47E1	0.00E0	0.00E0
1986	2.24E1	1.62E1	2.50E1	0.00E0	1.41E2	7.12E2	0.00E0	0.00E0
1987	5.40E1	4.70E2	5.07E2	0.00E0	1.01E2	6.22E2	3.46E2	0.00E0
1988	3.30E1	1.20E2	1.87E2	6.70E1	6.60E1	7.59E2	1.62E2	3.67E2
1989	2.30E1	1.24E2	1.96E2	0.00E0	5.40E1	8.48E2	5.50E1	1.86E2
1990	3.40E1	8.00E1	2.59E2	0.00E0	4.50E1	5.36E2	1.71E2	9.00E1
1991	3.26E1	5.60E1	8.57E1	0.00E0	6.91E1	1.24E2	1.10E2	1.78E2
1992	8.79E1	1.79E2	1.12E2	0.00E0	5.60E1	3.31E2	1.69E2	2.08E2
1993	8.20E1	8.20E1	6.50E1	0.00E0	3.20E1	1.36E2	5.63E1	1.11E2
1994	5.30E1	7.00E1	1.49E2	0.00E0	6.70E1	2.38E2	1.04E2	1.29E2
1995	1.43E2	3.90E1	2.40E1	0.00E0	1.10E1	5.20E1	0.00E0	0.00E0
1996	0.00E0	5.10E1	0.00E0	0.00E0	1.98E1	1.19E2	0.00E0	0.00E0
1997	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	1.06E2	0.00E0	0.00E0
1998	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	1.01E2	0.00E0	0.00E0
1999	6.96E1	0.00E0	0.00E0	0.00E0	0.00E0	7.38E1	0.00E0	0.00E0
2000	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	8.54E1	0.00E0	0.00E0
2001	0.00E0	2.10E1	0.00E0	0.00E0	0.00E0	1.20E2	0.00E0	0.00E0
2002	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	6.96E1	0.00E0	0.00E0
2003	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	1.93E2	0.00E0	0.00E0
2004	8.54E1	0.00E0	0.00E0	0.00E0	0.00E0	9.56E1	0.00E0	0.00E0
2005	2.00E2	0.00E0	0.00E0	0.00E0	0.00E0	6.53E1	0.00E0	0.00E0
2006	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	5.01E1	0.00E0	0.00E0
2007	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	2.97E2	0.00E0	0.00E0
2008	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	1.78E2	0.00E0	0.00E0
2009	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	6.97E1	0.00E0	0.00E0
2010	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	1.15E2	0.00E0	0.00E0
2011	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	6.83E1	0.00E0	0.00E0
2012	0.00E0	0.00E0	0.00E0	0.00E0	0.00E0	6.35E1	0.00E0	0.00E0

0.00E0 = no detectable measurements

1984-1986 mean based on all net activity results

3.8 DIRECT GAMMA RADIATION

3.8.1 ENVIRONMENTAL TLD

In 2012, 168 Thermoluminescent Dosimeters (TLD) were analyzed, 160 at indicator locations, 8 at the two control locations. TLDs are collected and analyzed quarterly. A transit background for environmental TLDs is determined based on ANSI N545. The highest annual mean exposure for an indicator location was 107 milliroentgen. TLDs at three locations produced the same average (location 036 at 4.18 miles from site; location 040 at 4.74 miles from site; and location 042 at 4.93 miles from site). The highest quarterly result was 31 milliroentgen at location 042. The annual mean exposure for the control locations was 111 milliroentgen.

Figure 3.8-1 and Table 3.8-A show TLD inner ring (site boundary), outer ring (4-5 miles), and control location annual averages in milliroentgen per year. Data is provided from 1984 when TLD locations were added and arranged in an inner ring and outer ring configuration. Preoperational data is also provided in the table. As shown in the graph, inner and outer ring averages historically compare closely, with control data somewhat higher. Inner and outer ring averages comprise a number of data points with control averages representing only two locations. The control locations have historically been higher than indicator locations. This is most likely an artifact of the underlying geologic structures at the control locations. The control locations are 9.39 miles WSW and 9.33 miles SE, well beyond the influence of the plant.

Figures 3.8-2 and 3.8-3 show the TLD mean for each inner and outer ring TLD location from 1984 through 2012. Data prior to 1984 was not included due to programmatic changes implemented in 1984.

The calculated total body dose (from gaseous effluents) for 2012 was 1.22E-1 mrem, which is 0.15% of the average inner ring TLD values. Therefore, it can be concluded that discharges from the plant had very little impact upon the measured TLD values.

A TLD intercomparison program is conducted as part of the quality assurance program. Results of this program are included in section 5.10.

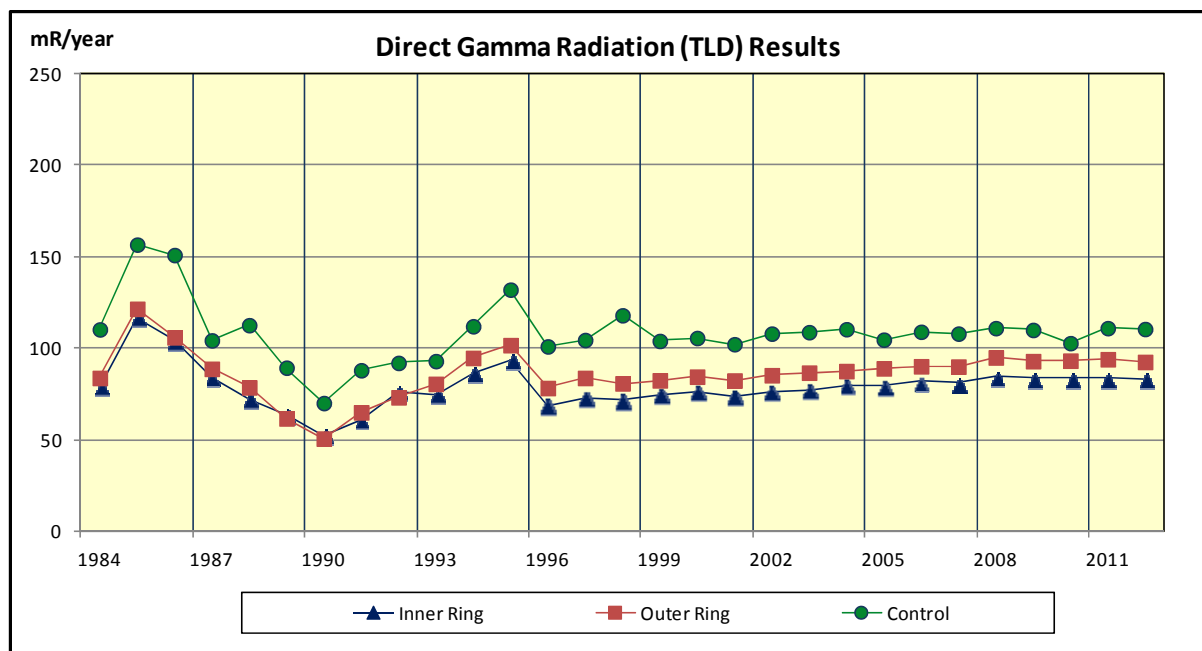
3.8.2 ISFSI

The Oconee Independent Spent Fuel Storage Installation (ISFSI) is a fenced, secured area constructed to provide dry storage for spent nuclear fuel. The principal components of the ISFSI are concrete horizontal storage modules that hold stainless steel dry storage canisters containing irradiated fuel assemblies. Oconee began storage of spent fuel at the ISFSI in 1990.

The ISFSI is located in the southwest end of the plant, approximately 400 meters from Unit 2 reactor building. The radiological environmental monitoring program for Oconee also serves as the operational program for the ISFSI. No liquid or airborne effluents are anticipated from the passive storage provided by the ISFSI. Therefore any dose to offsite points would be from direct and scattered gamma radiation. Several environmental TLD locations are presently located at the Oconee site boundary fence near the ISFSI. The closest of these is 0.3 miles from the ISFSI, well within the 1-mile exclusion boundary. In addition, dose rates at the ISFSI restricted area fence are monitored with TLDs and used in monitoring occupational exposure controls.

The maximum measurement from TLDs at the Independent Spent Fuel Storage Installation fence (which is not accessible to the public) was 622 milliroentgen per standard quarter. This is consistent with previous measurements.

Figure 3.8-1



There is no reporting level for Direct Radiation (TLD)

Table 3.8-A Direct Gamma Radiation (TLD) Results

Year	Inner Ring Average (mR/yr)	Outer Ring Average (mR/yr)	Control (mR/yr)
Preoperational	113	124	149
1984	79.4	83.8	110
1985	117	122	157
1986	104	106	151
1987	84.3	88.8	104
1988	72.3	78.6	113
1989	63.7	61.7	89.4
1990	52.2	50.7	70.1
1991	61.2	65.0	88.0
1992	76.2	73.2	92.0
1993	74.8	80.6	93.0
1994	86.8	94.7	112
1995	93.6	102	132
1996	68.5	78.3	101
1997	72.8	83.8	104
1998	71.7	80.8	118
1999	74.5	82.5	104
2000	76.2	84.5	106
2001	73.6	82.4	102
2002	76.6	85.3	108
2003	77.4	86.6	109
2004	80.1	87.5	110
2005	79.3	89.0	105
2006	82.0	90.2	109
2007	81.0	90.0	108
2008	84.6	95.0	111
2009	83.7	93.0	110
2010	83.6	93.2	103
2011	83.7	94.0	111
Average (2002 - 2011)	81.2	90.4	108
2012	83.1	92.6	111

Figure 3.8-2

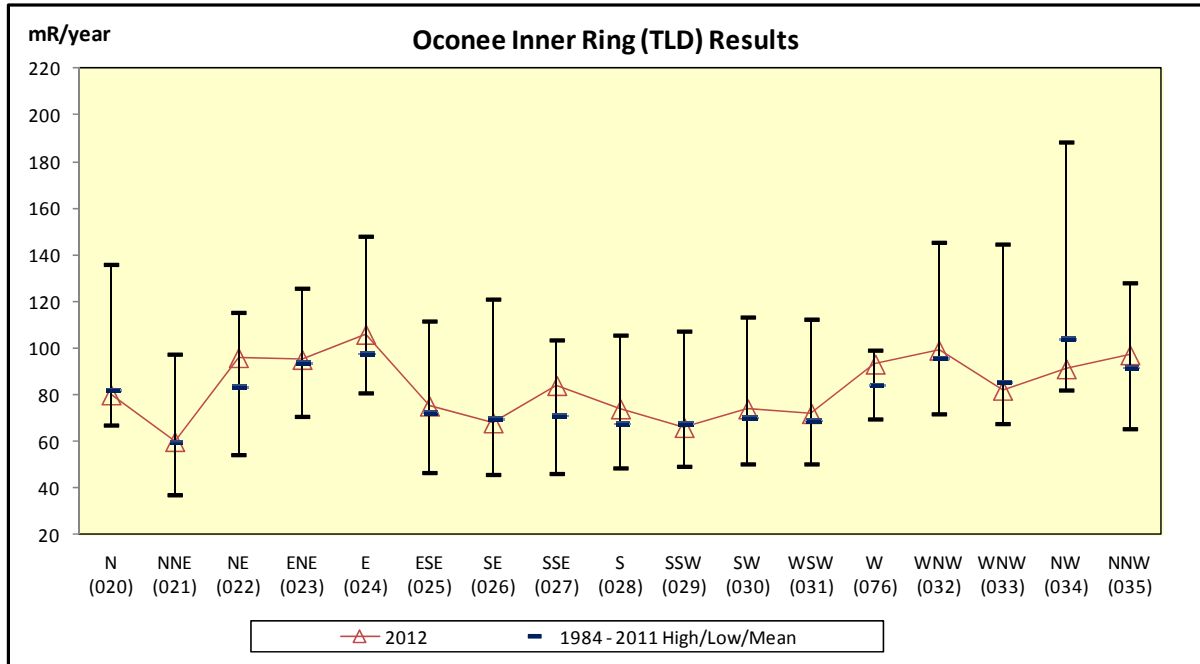


Table 3.8-B Direct Gamma Radiation (TLD) Results Inner Ring (mR/year)

Sector	Location	1984 – 2011 Mean	1984 – 2011 Low	1984 – 2011 High	2012
N	020	8.31E+01	6.71E+01	1.36E+02	8.00E+01
NNE	021	6.06E+01	3.72E+01	9.75E+01	6.00E+01
NE	022	8.45E+01	5.44E+01	1.15E+02	9.60E+01
ENE	023	9.45E+01	7.08E+01	1.26E+02	9.52E+01
E	024	9.86E+01	8.09E+01	1.48E+02	1.06E+02
ESE	025	7.32E+01	4.67E+01	1.12E+02	7.52E+01
SE	026	7.02E+01	4.59E+01	1.21E+02	6.80E+01
SSE	027	7.18E+01	4.63E+01	1.04E+02	8.40E+01
S	028	6.86E+01	4.87E+01	1.06E+02	7.40E+01
SSW	029	6.83E+01	4.94E+01	1.07E+02	6.60E+01
SW	030	7.09E+01	5.04E+01	1.13E+02	7.40E+01
WSW	031	6.99E+01	5.04E+01	1.13E+02	7.20E+01
W	076	8.49E+01	6.97E+01	9.92E+01	9.32E+01
WNW	032	9.63E+01	7.19E+01	1.46E+02	9.92E+01
WNW	033	8.64E+01	6.77E+01	1.45E+02	8.20E+01
NW	034	1.05E+02	8.21E+01	1.89E+02	9.12E+01
NNW	035	9.24E+01	6.55E+01	1.28E+02	9.72E+01

Figure 3.8-3

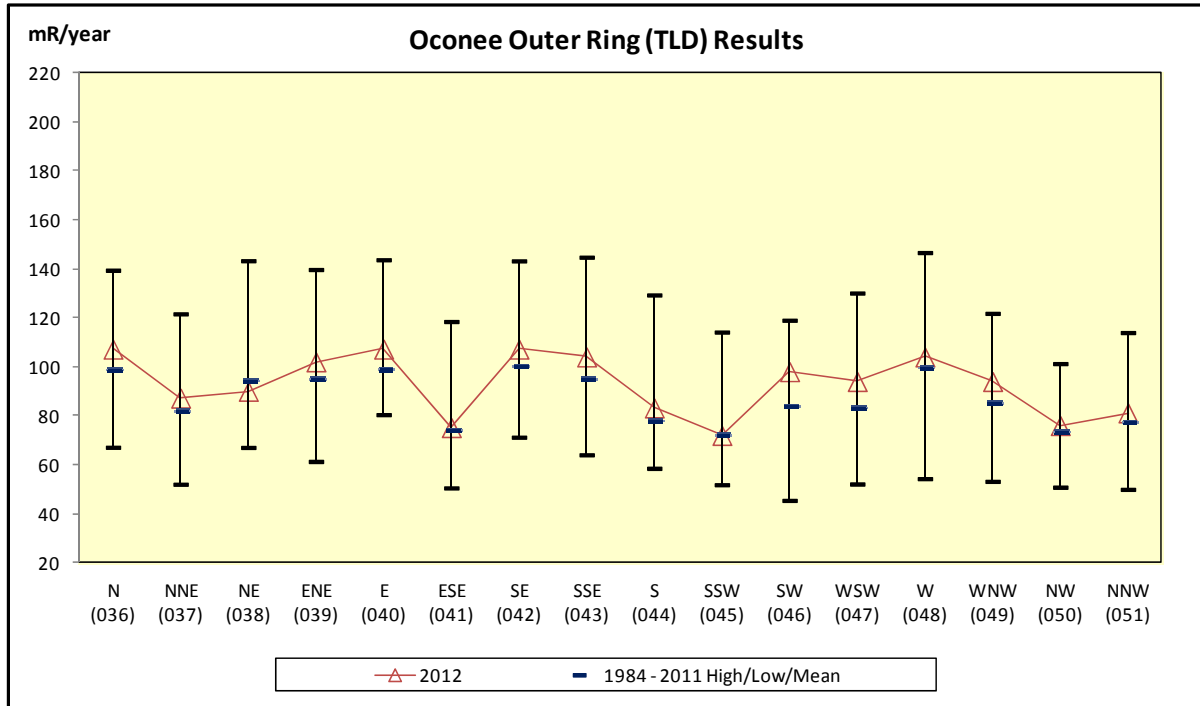


Table 3.8-C Direct Gamma Radiation (TLD) Results Outer Ring (mR/year)

Sector	Location	1984 – 2011 Mean	1984 – 2011 Low	1984 – 2011 High	2012
N	036	9.97E+01	6.72E+01	1.39E+02	1.07E+02
NNE	037	8.22E+01	5.21E+01	1.22E+02	8.72E+01
NE	038	9.54E+01	6.71E+01	1.43E+02	9.00E+01
ENE	039	9.60E+01	6.14E+01	1.40E+02	1.02E+02
E	040	9.97E+01	8.05E+01	1.44E+02	1.07E+02
ESE	041	7.50E+01	5.06E+01	1.19E+02	7.52E+01
SE	042	1.01E+02	7.13E+01	1.43E+02	1.07E+02
SSE	043	9.56E+01	6.41E+01	1.45E+02	1.04E+02
S	044	7.84E+01	5.86E+01	1.29E+02	8.32E+01
SSW	045	7.29E+01	5.19E+01	1.14E+02	7.20E+01
SW	046	8.45E+01	4.55E+01	1.19E+02	9.80E+01
WSW	047	8.36E+01	5.22E+01	1.30E+02	9.40E+01
W	048	1.00E+02	5.44E+01	1.47E+02	1.04E+02
WNW	049	8.59E+01	5.33E+01	1.22E+02	9.40E+01
NW	050	7.40E+01	5.09E+01	1.01E+02	7.60E+01
NNW	051	7.81E+01	5.00E+01	1.14E+02	8.12E+01

3.9 LAND USE CENSUS

The Land Use Census was conducted during the growing season (6/13/2012) as required by SLC 16.11.6. Table 3.9 summarizes census results. A map indicating identified locations is shown in Figure 3.9. The nearest residence is located in the NNW sector at 1.03 miles. No program changes were required based on the results of the census.

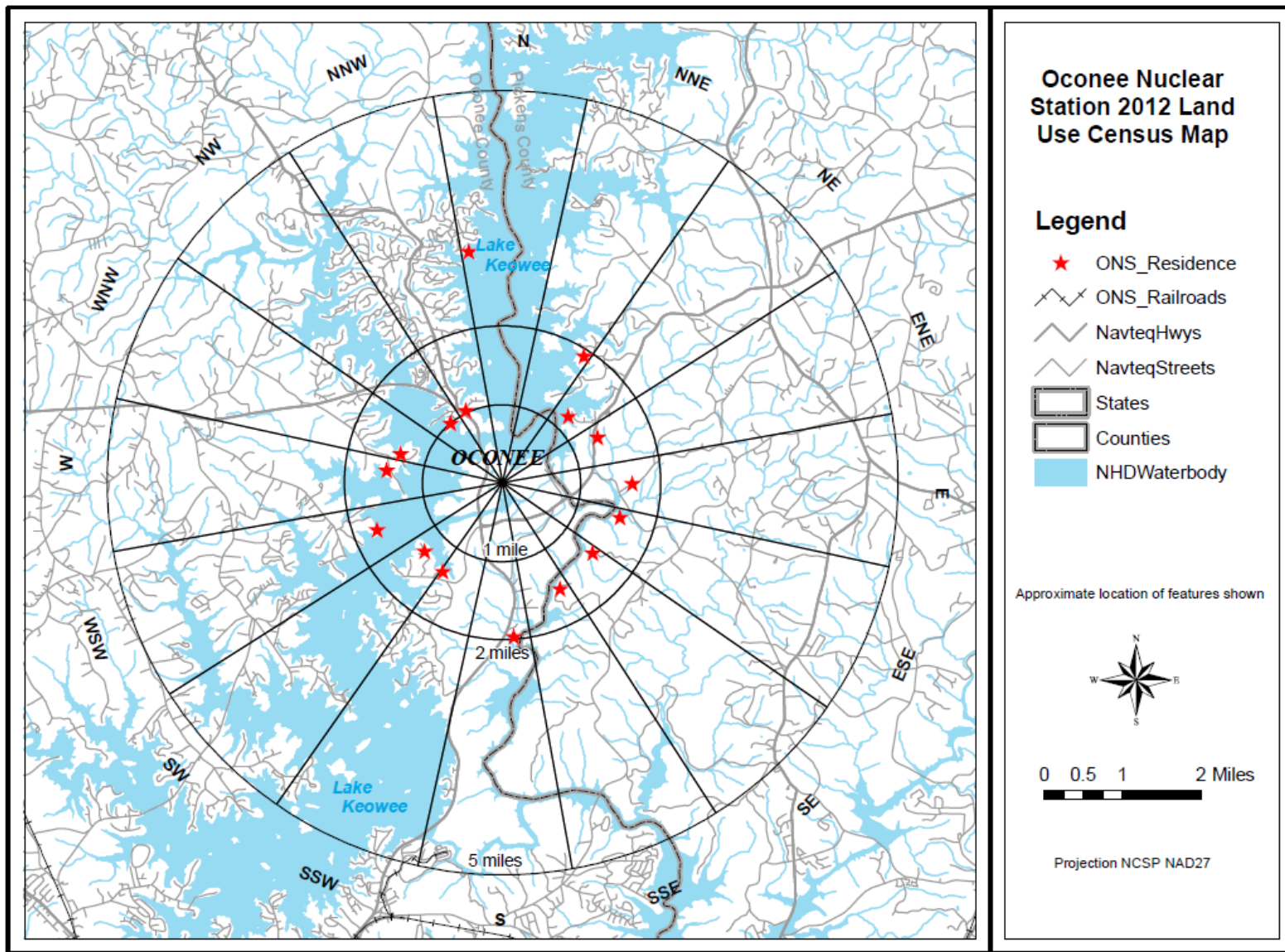
Table 3.9 Oconee 2012 Land Use Census Results

Sector		Distance (Miles)	Sector		Distance (Miles)
N	Nearest Residence	2.98	S	Nearest Residence	1.96
	Nearest Milk Animal	-		Nearest Milk Animal	-
NNE	Nearest Residence	1.84	SSW	Nearest Residence	1.36
	Nearest Milk Animal	-		Nearest Milk Animal	-
NE	Nearest Residence	1.20	SW	Nearest Residence	1.31
	Nearest Milk Animal	-		Nearest Milk Animal	-
ENE	Nearest Residence	1.34	WSW	Nearest Residence	1.76
	Nearest Milk Animal	-		Nearest Milk Animal	-
E	Nearest Residence	1.64	W	Nearest Residence	1.58
	Nearest Milk Animal	-		Nearest Milk Animal	-
ESE	Nearest Residence	1.57	WNW	Nearest Residence	1.35
	Nearest Milk Animal	-		Nearest Milk Animal	-
SE	Nearest Residence	1.46	NW	Nearest Residence	1.04
	Nearest Milk Animal	-		Nearest Milk Animal	-
SSE	Nearest Residence	1.54	NNW	Nearest Residence	1.03
	Nearest Milk Animal	-		Nearest Milk Animal	-

“-“ indicates no occurrences within the 5 mile radius

* GPS data reflect approximate accuracy to within 2-5 meters. GPS field measurements were taken as close as possible to the item of interest.

Figure 3.9



4.0 EVALUATION OF DOSE

4.1 DOSE FROM ENVIRONMENTAL MEASUREMENTS

Annual doses to maximum exposed individuals were estimated based on measured concentrations of radionuclides in 2012 ONS REMP samples. The primary purpose of estimating doses based on sample results is to allow comparison to effluent program dose estimates. Doses based on sample results were conservatively calculated in a manner as equivalent as possible to effluent-based dose estimates.

Doses based on REMP sample results were calculated using the methodology and data presented in NRC Regulatory Guide 1.109. Measured radionuclide concentrations, averaged over the entire year for a specific radionuclide, indicator location, and sample type, were used to calculate REMP-based doses, after subtracting the applicable average background concentration (as measured at the corresponding control location). Regulatory Guide 1.109 consumption rates for the maximum exposed individual were used in the calculations. A dose factor of zero was assumed when the guide listed “NO DATA” as the dose factor for a given radionuclide and organ.

Maximum dose estimates calculated using drinking water, fish and shoreline sediment results are reported in Table 4.1-A. The individual critical population and pathway dose calculations are contained in Table 4.1-B.

No radionuclides were detected in broadleaf vegetation, milk, airborne radioiodine or airborne particulate samples. Naturally occurring K-40 and Be-7 were detected in some samples but were not included in any REMP-based dose estimates. Dose estimates were not calculated for surface water samples because surface water is not considered a potable drinking water source although surface water tritium concentrations are used in calculating doses from fish. REMP TLD exposure results are discussed in Section 3.8.

The maximum environmental organ dose estimate for any single sample type (excluding TLD results) collected during 2012 was 8.16E-2 mrem to the adult GI-LLI from consuming fish.

4.2 ESTIMATED DOSE FROM RELEASES

Throughout the year, dose estimates were calculated based on actual 2012 liquid and gaseous effluent release data. Effluent-based dose estimates were calculated using the RETDAS computer program which employs methodology and data presented in NRC Regulatory Guide 1.109. These doses are shown in Table 4.1-A along with the corresponding REMP-based dose estimates. Summaries of RETDAS dose calculations are reported in the Annual Radioactive Effluent Release Report (reference 6.6).

The effluent-based liquid release doses are summations of the dose contributions of the drinking water, fish and shoreline pathways. For iodine, particulate, and tritium exposure the

effluent-based gaseous release doses are summations of the dose contributors from ground/plane, milk, inhalation and vegetation pathways.

4.3 COMPARISON OF DOSES

The liquid environmental and release data doses given in Table 4.1-A agree reasonably well. The similarity of the doses indicate that the radioactivity levels in the environment do not differ significantly from those expected based on effluent measurements and modeling of the environmental exposure pathways.

There are some differences in how effluent and environmental doses are calculated that affect the comparison. Doses calculated from environmental data are conservative because they are based on a mean that includes only samples with a net positive activity versus a mean that includes all sample results (i.e. zero results are not included in the mean). Also, airborne tritium is not measured in environmental samples but is used to calculate effluent doses.

Additionally, in 2010 Oconee began reporting estimated dose from effluent Carbon 14 (C-14). This change came about with the issuing of Regulatory Guide 1.21, Revision 2, Measuring, Evaluating and Reporting Radioactive Material in Liquid and Gaseous Effluents and Solid Waste. A description of this change is found in the 2010 Annual Radiological Effluent Release Report. C-14 is not measured in the environment and therefore, environmental and effluent doses from C-14 cannot be compared directly.

In calculations based on liquid release effluent pathways, fish and drinking water were the predominant dose pathways based on environmental and effluent samples. The maximum total organ dose based on 2012 environmental sample results was 1.06E-1 mrem to the adult GI-LLI. The maximum total organ dose of 6.61E-1 mrem for liquid effluent-based estimates was to the adult GI-LLI.

In calculations based on gaseous release pathways, vegetation was the predominant dose pathway for effluent samples. The gaseous effluent dose is due to C-14 and tritium in broadleaf vegetation. The maximum total organ dose for gaseous effluent estimates was 3.30E-1 mrem to the child bone. No radioactivity was detected from gaseous pathways in environmental samples; therefore, there is no calculated dose.

The doses calculated do not exceed 40CFR190 or 10CFR50 dose commitment limits for members of the public. Doses to members of the public attributable to the operation of ONS are being maintained well within regulatory limits.

TABLE 4.1-A

**OCONEE NUCLEAR STATION
2012 ENVIRONMENTAL AND EFFLUENT DOSE COMPARISON**

LIQUID RELEASE PATHWAY

Organ	Environmental or Effluent Data	Critical Age ⁽¹⁾	Critical Pathway ⁽²⁾	Location	Maximum Dose ⁽³⁾ (mrem)
Skin	Environmental	Teen	Shoreline Sediment	067 (4.34 mi SSE)	1.67E-04
Skin	Effluent	Teen	Shoreline Sediment	Discharge Pt.	3.51E-03
Bone	Environmental	Child	Fish	063 (0.80 mi ESE)	3.43E-02
Bone	Effluent	Child	Fish	Discharge Pt.	1.46E-02
Liver	Environmental	Child	Fish	063 (0.80 mi ESE)	7.62E-02
Liver	Effluent	Child	Drinking Water	Discharge Pt.	1.22E-01
T. Body	Environmental	Adult	Fish	063 (0.80 mi ESE)	6.68E-02
T. Body	Effluent	Adult	Fish	Discharge Pt.	1.15E-01
Thyroid	Environmental	Child	Drinking Water	066 (18.9 mi SSE)	4.06E-02
Thyroid	Effluent	Child	Drinking Water	18.9 mi SSE	1.06E-01
Kidney	Environmental	Child	Drinking Water	066 (18.9 mi SSE)	5.13E-02
Kidney	Effluent	Child	Drinking Water	18.9 mi SSE	1.11E-01
Lung	Environmental	Child	Drinking Water	066 (18.9 mi SSE)	4.44E-02
Lung	Effluent	Child	Drinking Water	18.9 mi SSE	1.08E-01
GI-LLI	Environmental	Adult	Fish	063 (0.80 mi ESE)	1.06E-01
GI-LLI	Effluent	Adult	Fish	Discharge Pt.	6.61E-01

(1) Critical Age is the highest total dose (all pathways) to an age group.

(2) Critical Pathway is the highest individual dose within the identified Critical Age group.

(3) Maximum dose is a summation of the fish, drinking water and shoreline sediment pathways.

GASEOUS RELEASE PATHWAY

IODINE, PARTICULATE, and TRITIUM

Organ	Environmental or Effluent Data	Critical Age ⁽¹⁾	Critical Pathway ⁽²⁾	Location	Maximum Dose ⁽³⁾ (mrem)
Skin	Environmental	-	-	-	0.00E+00
Skin	Effluent	All	Ground Plane	1.0 mi. SW	9.07E-10
Bone	Environmental	-	-	-	0.00E+00
Bone	Effluent	Child	Vegetation	1.0 mi. SW	3.30E-01
Liver	Environmental	-	-	-	0.00E+00
Liver	Effluent	Child	Vegetation	1.0 mi. SW	1.22E-01
T. Body	Environmental	-	-	-	0.00E+00
T. Body	Effluent	Child	Vegetation	1.0 mi. SW	1.22E-01
Thyroid	Environmental	-	-	-	0.00E+00
Thyroid	Effluent	Child	Vegetation	1.0 mi. SW	1.22E-01
Kidney	Environmental	-	-	-	0.00E+00
Kidney	Effluent	Child	Vegetation	1.0 mi. SW	1.22E-01
Lung	Environmental	-	-	-	0.00E+00
Lung	Effluent	Child	Vegetation	1.0 mi. SW	1.22E-01
GI-LLI	Environmental	-	-	-	0.00E+00
GI-LLI	Effluent	Child	Vegetation	1.0 mi. SW	1.22E-01

(1) Critical Age is the highest total dose (all pathways) to an age group.

(2) Critical Pathway is the highest individual dose within the identified Critical Age group.

(3) Maximum dose is a summation of the ground/plane, inhalation, milk and vegetation pathways.

TABLE 4.1-B*Maximum Individual Dose for 2012 based on Environmental Measurements (mrem) for Oconee Nuclear Station*

Age	Sample Medium	Bone	Liver	T. Body	Thyroid	Kidney	Lung	GI-LLI	Skin
Infant	Airborne	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Drinking Water	0.00E+00	3.27E-02	3.27E-02	3.27E-02	3.27E-02	3.27E-02	3.27E-02	0.00E+00
	Milk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	TOTAL	0.00E+00	3.27E-02	3.27E-02	3.27E-02	3.27E-02	3.27E-02	3.27E-02	0.00E+00
Child	Airborne	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Drinking Water	0.00E+00	3.33E-02	3.33E-02	3.33E-02	3.33E-02	3.33E-02	3.33E-02	0.00E+00
	Milk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Broadleaf Vegetation	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Fish	3.43E-02	4.29E-02	2.07E-02	7.26E-03	1.80E-02	1.11E-02	2.37E-02	0.00E+00
	Shoreline Sediment	0.00E+00	0.00E+00	2.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-05
	TOTAL	3.43E-02	7.62E-02	5.40E-02	4.06E-02	5.13E-02	4.44E-02	5.70E-02	3.48E-05
Teen	Airborne	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Drinking Water	0.00E+00	1.74E-02	1.74E-02	1.74E-02	1.74E-02	1.74E-02	1.74E-02	0.00E+00
	Milk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Broadleaf Vegetation	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Fish	2.72E-02	4.86E-02	2.95E-02	8.79E-03	2.11E-02	1.36E-02	5.68E-02	0.00E+00
	Shoreline Sediment	0.00E+00	0.00E+00	1.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-04
	TOTAL	2.72E-02	6.60E-02	4.70E-02	2.62E-02	3.85E-02	3.10E-02	7.42E-02	1.67E-04
Adult	Airborne	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Drinking Water	0.00E+00	2.47E-02	2.47E-02	2.47E-02	2.47E-02	2.47E-02	2.47E-02	0.00E+00
	Milk	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Broadleaf Vegetation	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Fish	2.54E-02	4.98E-02	4.21E-02	1.14E-02	2.32E-02	1.53E-02	8.16E-02	0.00E+00
	Shoreline Sediment	0.00E+00	0.00E+00	2.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-05
	TOTAL	2.54E-02	7.45E-02	6.68E-02	3.61E-02	4.79E-02	4.00E-02	1.06E-01	2.99E-05

Note: Dose tables are provided for sample media displaying positive nuclide occurrence.

Oconee Nuclear Station
Dose from Drinking Water Pathway for 2012 Data
Maximum Exposed Infant

Infant Dose from Drinking Water Pathway (mrem) = Usage (l) x Dose Factor (mrem/pCi ingested) x Concentration (pCi/l)

Usage (intake in one year) = 330 l

Radionuclide	<u>Ingestion Dose Factor</u>							<u>Highest Annual Net Mean Concentration</u>		<u>Dose (mrem)</u>						
	Bone	Liver	T. Body	Thyroid	Kidney	Lung	GI-LLI	Indicator Location	Water (pCi/l)	Bone	Liver	T. Body	Thyroid	Kidney	Lung	GI-LLI
Mn-54	NO DATA	1.99E-05	4.51E-06	NO DATA	4.41E-06	NO DATA	7.31E-06	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-58	NO DATA	3.60E-06	8.98E-06	NO DATA	NO DATA	NO DATA	8.97E-06	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Fe-59	3.08E-05	5.38E-05	2.12E-05	NO DATA	NO DATA	1.59E-05	2.57E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-60	NO DATA	1.08E-05	2.55E-05	NO DATA	NO DATA	NO DATA	2.57E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Zn-65	1.84E-05	6.31E-05	2.91E-05	NO DATA	3.06E-05	NO DATA	5.33E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nb-95	4.20E-08	1.73E-08	1.00E-08	NO DATA	1.24E-08	NO DATA	1.46E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Zr-95	2.06E-07	5.02E-08	3.56E-08	NO DATA	5.41E-08	NO DATA	2.50E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
I-131	3.59E-05	4.23E-05	1.86E-05	1.39E-02	4.94E-05	NO DATA	1.51E-06	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cs-134	3.77E-04	7.03E-04	7.10E-05	NO DATA	1.81E-04	7.42E-05	1.91E-06	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cs-137	5.22E-04	6.11E-04	4.33E-05	NO DATA	1.64E-04	6.64E-05	1.91E-06	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BaLa-140	1.71E-04	1.71E-07	8.81E-06	NO DATA	4.06E-08	1.05E-07	4.20E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
H-3	NO DATA	3.08E-07	3.08E-07	3.08E-07	3.08E-07	3.08E-07	3.08E-07	066	322	0.00E+00	3.27E-02	3.27E-02	3.27E-02	3.27E-02	3.27E-02	3.27E-02
Dose Commitment (mrem) =										0.00E+00	3.27E-02	3.27E-02	3.27E-02	3.27E-02	3.27E-02	3.27E-02

Oconee Nuclear Station
Dose from Drinking Water Pathway for 2012 Data
Maximum Exposed Child

Child Dose from Drinking Water Pathway (mrem) = Usage (l) x Dose Factor (mrem/pCi ingested) x Concentration (pCi/l)

Usage (intake in one year)= 510 l

Radionuclide	<u>Ingestion Dose Factor</u>							<u>Highest Annual Net Mean Concentration</u>		<u>Dose (mrem)</u>						
	Bone	Liver	T. Body	Thyroid	Kidney	Lung	GI-LLI	Indicator Location	Water (pCi/l)	Bone	Liver	T. Body	Thyroid	Kidney	Lung	GI-LLI
Mn-54	NO DATA	1.07E-05	2.85E-06	NO DATA	3.00E-06	NO DATA	8.98E-06	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-58	NO DATA	1.80E-06	5.51E-06	NO DATA	NO DATA	NO DATA	1.05E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Fe-59	1.65E-05	2.67E-05	1.33E-05	NO DATA	NO DATA	7.74E-06	2.78E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
C0-60	NO DATA	5.29E-06	1.56E-05	NO DATA	NO DATA	NO DATA	2.93E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Zn-65	1.37E-05	3.65E-05	2.27E-05	NO DATA	2.30E-05	NO DATA	6.41E-06	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nb-95	2.25E-08	8.76E-09	6.26E-09	NO DATA	8.23E-09	NO DATA	1.62E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Zr-95	1.16E-07	2.55E-08	2.27E-08	NO DATA	3.65E-08	NO DATA	2.66E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
I-131	1.72E-05	1.73E-05	9.83E-06	5.72E-03	2.84E-05	NO DATA	1.54E-06	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cs-134	2.34E-04	3.84E-04	8.10E-05	NO DATA	1.19E-04	4.27E-05	2.07E-06	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cs-137	3.27E-04	3.13E-04	4.62E-05	NO DATA	1.02E-04	3.67E-05	1.96E-06	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BaLa-140	8.31E-05	7.28E-08	4.85E-06	NO DATA	2.37E-08	4.34E-08	4.21E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
H-3	NO DATA	2.03E-07	2.03E-07	2.03E-07	2.03E-07	2.03E-07	2.03E-07	066	322	0.00E+00	3.33E-02	3.33E-02	3.33E-02	3.33E-02	3.33E-02	3.33E-02
Dose Commitment (mrem) =										0.00E+00	3.33E-02	3.33E-02	3.33E-02	3.33E-02	3.33E-02	3.33E-02

Oconee Nuclear Station
Dose from Fish Pathway for 2012 Data
Maximum Exposed Child

Child Dose from Fish Pathway (mrem) = Usage (kg) x Dose Factor (mrem/pCi ingested) x Concentration (pCi/kg)

H-3 Concentration in Fish = Surface Water pCi/l x Bioaccumulation Factor 0.9 pCi/kg per pCi/l = 5755 pCi/l x 0.9 = 5180 pCi/kg

Usage (intake in one year) = 6.9 kg

Radionuclide	<u>Ingestion Dose Factor</u>							<u>Highest Annual Net Mean Concentration</u>		<u>Dose (mrem)</u>						
	Bone	Liver	T. Body	Thyroid	Kidney	Lung	GI-LLI	Indicator Location	Fish (pCi/kg)	Bone	Liver	T. Body	Thyroid	Kidney	Lung	GI-LLI
Mn-54	NO DATA	1.07E-05	2.85E-06	NO DATA	3.00E-06	NO DATA	8.98E-06	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-58	NO DATA	1.80E-06	5.51E-06	NO DATA	NO DATA	NO DATA	1.05E-05	063	123	0.00E+00	1.53E-03	4.68E-03	0.00E+00	0.00E+00	0.00E+00	8.91E-03
Fe-59	1.65E-05	2.67E-05	1.33E-05	NO DATA	NO DATA	7.74E-06	2.78E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
C0-60	NO DATA	5.29E-06	1.56E-05	NO DATA	NO DATA	NO DATA	2.93E-05	063	36.1	0.00E+00	1.32E-03	3.89E-03	0.00E+00	0.00E+00	0.00E+00	7.30E-03
Zn-65	1.37E-05	3.65E-05	2.27E-05	NO DATA	2.30E-05	NO DATA	6.41E-06	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cs-134	2.34E-04	3.84E-04	8.10E-05	NO DATA	1.19E-04	4.27E-05	2.07E-06	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cs-137	3.27E-04	3.13E-04	4.62E-05	NO DATA	1.02E-04	3.67E-05	1.96E-06	063	15.2	3.43E-02	3.28E-02	4.85E-03	0.00E+00	1.07E-02	3.85E-03	2.06E-04
H-3	NO DATA	2.03E-07	2.03E-07	2.03E-07	2.03E-07	2.03E-07	2.03E-07	063	5180	0.00E+00	7.26E-03	7.26E-03	7.26E-03	7.26E-03	7.26E-03	7.26E-03
Dose Commitment (mrem) =										3.43E-02	4.29E-02	2.07E-02	7.26E-03	1.80E-02	1.11E-02	2.37E-02

Oconee Nuclear Station
Dose from Shoreline Sediment Pathway for 2012 Data
Maximum Exposed Child

Shoreline Recreation = 14 hr (in one year)
 Shore Width Factor = 0.2
 Sediment Surface Mass = 40 kg/m²

Child Dose from Shoreline Sediment Pathway (mrem) = Shoreline Recreation (hr) x External Dose Factor (mrem/hr per pCi/m²) x Shore Width Factor x Sediment Surface Mass (kg/m²) x Sediment Concentration (pCi/kg)

External Dose Factor Standing on Contaminated Ground			Highest Annual Net Mean Concentration		<u>Dose</u>	
Radionuclide	(mrem/hr per pCi/m ²)		Indicator Location	Sediment (pCi/kg)	(mrem)	
	T. Body	Skin			T. Body	Skin
Cs-134	1.20E-08	1.40E-08	ALL	0.00	0.00E+00	0.00E+00
Cs-137	4.20E-09	4.90E-09	067	63.5	2.99E-05	3.48E-05
Dose Commitment (mrem) =					2.99E-05	3.48E-05

Oconee Nuclear Station
Dose from Drinking Water Pathway for 2012 Data
Maximum Exposed Teen

Teen Dose from Drinking Water Pathway (mrem) = Usage (l) x Dose Factor (mrem/pCi ingested) x Concentration (pCi/l)

Usage (intake in one year)= 510 l

Radionuclide	<u>Ingestion Dose Factor</u>							<u>Highest Annual Net Mean Concentration</u>		<u>Dose (mrem)</u>						
	Bone	Liver	T. Body	Thyroid	Kidney	Lung	GI-LLI	Indicator Location	Water (pCi/l)	Bone	Liver	T. Body	Thyroid	Kidney	Lung	GI-LLI
Mn-54	NO DATA	5.90E-06	1.17E-06	NO DATA	1.76E-06	NO DATA	1.21E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-58	NO DATA	9.72E-07	2.24E-06	NO DATA	NO DATA	NO DATA	1.34E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Fe-59	5.87E-06	1.37E-05	5.29E-06	NO DATA	NO DATA	4.32E-06	3.24E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-60	NO DATA	2.81E-06	6.33E-06	NO DATA	NO DATA	NO DATA	3.66E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Zn-65	5.76E-06	2.00E-05	9.33E-06	NO DATA	1.28E-05	NO DATA	8.47E-06	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nb-95	8.22E-09	4.56E-09	2.51E-09	NO DATA	4.42E-09	NO DATA	1.95E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Zr-95	4.12E-08	1.30E-08	8.94E-09	NO DATA	1.91E-08	NO DATA	3.00E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
I-131	5.85E-06	8.19E-06	4.40E-06	2.39E-03	1.41E-05	NO DATA	1.62E-06	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cs-134	8.37E-05	1.97E-04	9.14E-05	NO DATA	6.26E-05	2.39E-05	2.45E-06	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cs-137	1.12E-04	1.49E-04	5.19E-05	NO DATA	5.07E-05	1.97E-05	2.12E-06	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BaLa-140	2.84E-05	3.48E-08	1.83E-06	NO DATA	1.18E-08	2.34E-08	4.38E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
H-3	NO DATA	1.06E-07	1.06E-07	1.06E-07	1.06E-07	1.06E-07	1.06E-07	066	322	0.00E+00	1.74E-02	1.74E-02	1.74E-02	1.74E-02	1.74E-02	1.74E-02
Dose Commitment (mrem)=										0.00E+00	1.74E-02	1.74E-02	1.74E-02	1.74E-02	1.74E-02	1.74E-02

Oconee Nuclear Station
Dose from Fish Pathway for 2012 Data
Maximum Exposed Teen

Teen Dose from Fish Pathway (mrem) = Usage (kg) x Dose Factor (mrem/pCi ingested) x Concentration (pCi/kg)

H-3 Concentration in Fish = Surface Water pCi/l x Bioaccumulation Factor 0.9 pCi/kg per pCi/l = 5755 pCi/l x 0.9 = 5180 pCi/kg

Usage (intake in one year) = 16 kg

Radionuclide	<u>Ingestion Dose Factor</u>							<u>Highest Annual Net Mean Concentration</u>		<u>Dose (mrem)</u>						
	Bone	Liver	T. Body	Thyroid	Kidney	Lung	GI-LLI	Location	(pCi/kg)	Bone	Liver	T. Body	Thyroid	Kidney	Lung	GI-LLI
Mn-54	NO DATA	5.90E-06	1.17E-06	NO DATA	1.76E-06	NO DATA	1.21E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-58	NO DATA	9.72E-07	2.24E-06	NO DATA	NO DATA	NO DATA	1.34E-05	063	123	0.00E+00	1.91E-03	4.41E-03	0.00E+00	0.00E+00	0.00E+00	2.64E-02
Fe-59	5.87E-06	1.37E-05	5.29E-06	NO DATA	NO DATA	4.32E-06	3.24E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-60	NO DATA	2.81E-06	6.33E-06	NO DATA	NO DATA	NO DATA	3.66E-05	063	36.1	0.00E+00	1.62E-03	3.66E-03	0.00E+00	0.00E+00	0.00E+00	2.11E-02
Zn-65	5.76E-06	2.00E-05	9.33E-06	NO DATA	1.28E-05	NO DATA	8.47E-06	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cs-134	8.37E-05	1.97E-04	9.14E-05	NO DATA	6.26E-05	2.39E-05	2.45E-06	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cs-137	1.12E-04	1.49E-04	5.19E-05	NO DATA	5.07E-05	1.97E-05	2.12E-06	063	15.2	2.72E-02	3.62E-02	1.26E-02	0.00E+00	1.23E-02	4.79E-03	5.16E-04
H-3	NO DATA	1.06E-07	1.06E-07	1.06E-07	1.06E-07	1.06E-07	1.06E-07	063	5180	0.00E+00	8.79E-03	8.79E-03	8.79E-03	8.79E-03	8.79E-03	8.79E-03
Dose Commitment (mrem) =										2.72E-02	4.86E-02	2.95E-02	8.79E-03	2.11E-02	1.36E-02	5.68E-02

Oconee Nuclear Station
Dose from Shoreline Sediment Pathway for 2012 Data
Maximum Exposed Teen

Shoreline Recreation = 67 hr (in one year)
 Shore Width Factor = 0.2
 Sediment Surface Mass = 40 kg/m²

Teen Dose from Shoreline Sediment Pathway (mrem) = Shoreline Recreation (hr) x External
 Dose Factor (mrem/hr per pCi/m²) x Shore Width Factor x Sediment Surface Mass (kg/m²) x
 Sediment Concentration (pCi/kg)

External Dose Factor Standing on Contaminated Ground			Highest Annual Net Mean Concentration		Dose	
Radionuclide	(mrem/hr per pCi/m ²)		Indicator Location	Sediment (pCi/kg)	(mrem)	
	T. Body	Skin			T. Body	Skin
Cs-134	1.20E-08	1.40E-08	ALL	0.00	0.00E+00	0.00E+00
Cs-137	4.20E-09	4.90E-09	067	63.5	1.43E-04	1.67E-04
Dose Commitment (mrem) =					1.43E-04	1.67E-04

Oconee Nuclear Station
Dose from Drinking Water Pathway for 2012 Data
Maximum Exposed Adult

Adult Dose from Drinking Water Pathway (mrem) = Usage (l) x Dose Factor (mrem/pCi ingested) x Concentration (pCi/l)

Usage (intake in one year) = 730 l

Radionuclide	<u>Ingestion Dose Factor</u>							Highest Annual Net Mean <u>Concentration</u>		<u>Dose (mrem)</u>						
	Bone	Liver	T. Body	Thyroid	Kidney	Lung	GI-LLI	Indicator Location	Water (pCi/l)	Bone	Liver	T. Body	Thyroid	Kidney	Lung	GI-LLI
Mn-54	NO DATA	4.57E-06	8.72E-07	NO DATA	1.36E-06	NO DATA	1.40E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-58	NO DATA	7.45E-07	1.67E-06	NO DATA	NO DATA	NO DATA	1.51E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Fe-59	4.34E-06	1.02E-05	3.91E-06	NO DATA	NO DATA	2.85E-06	3.40E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-60	NO DATA	2.14E-06	4.72E-06	NO DATA	NO DATA	NO DATA	4.02E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Zn-65	4.84E-06	1.54E-05	6.96E-06	NO DATA	1.03E-05	NO DATA	9.70E-06	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nb-95	6.22E-09	3.46E-09	1.86E-09	NO DATA	3.42E-09	NO DATA	2.10E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Zr-95	3.04E-08	9.75E-09	6.60E-09	NO DATA	1.53E-08	NO DATA	3.09E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
I-131	4.16E-06	5.95E-06	3.41E-06	1.95E-03	1.02E-05	NO DATA	1.57E-06	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cs-134	6.22E-05	1.48E-04	1.21E-04	NO DATA	4.79E-05	1.59E-05	2.59E-06	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cs-137	7.97E-05	1.09E-04	7.14E-05	NO DATA	3.70E-05	1.23E-05	2.11E-06	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BaLa-140	2.03E-05	2.55E-08	1.33E-06	NO DATA	8.67E-09	1.46E-08	4.18E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
H-3	NO DATA	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07	066	322	0.00E+00	2.47E-02	2.47E-02	2.47E-02	2.47E-02	2.47E-02	2.47E-02
Dose Commitment (mrem) =										0.00E+00	2.47E-02	2.47E-02	2.47E-02	2.47E-02	2.47E-02	2.47E-02

Oconee Nuclear Station
Dose from Fish Pathway for 2012 Data
Maximum Exposed Adult

Adult Dose from Fish Pathway (mrem) = Usage (kg) x Dose Factor (mrem/pCi ingested) x Concentration (pCi/kg)

H-3 Concentration in Fish = Surface Water pCi/l x Bioaccumulation Factor 0.9 pCi/kg per pCi/l = 5755 pCi/l x 0.9 = 5180 pCi/kg

Usage (intake in one year) = 21 kg

Radionuclide	<u>Ingestion Dose Factor</u>							<u>Highest Annual Net Mean Concentration</u>		<u>Dose (mrem)</u>						
	Bone	Liver	T. Body	Thyroid	Kidney	Lung	GI-LLI	Location	(pCi/kg)	Bone	Liver	T. Body	Thyroid	Kidney	Lung	GI-LLI
Mn-54	NO DATA	4.57E-06	8.72E-07	NO DATA	1.36E-06	NO DATA	1.40E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-58	NO DATA	7.45E-07	1.67E-06	NO DATA	NO DATA	NO DATA	1.51E-05	063	123	0.00E+00	1.92E-03	4.31E-03	0.00E+00	0.00E+00	0.00E+00	3.90E-02
Fe-59	4.34E-06	1.02E-05	3.91E-06	NO DATA	NO DATA	2.85E-06	3.40E-05	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-60	NO DATA	2.14E-06	4.72E-06	NO DATA	NO DATA	NO DATA	4.02E-05	063	36.1	0.00E+00	1.62E-03	3.58E-03	0.00E+00	0.00E+00	0.00E+00	3.05E-02
Zn-65	4.84E-06	1.54E-05	6.96E-06	NO DATA	1.03E-05	NO DATA	9.70E-06	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cs-134	6.22E-05	1.48E-04	1.21E-04	NO DATA	4.79E-05	1.59E-05	2.59E-06	ALL	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cs-137	7.97E-05	1.09E-04	7.14E-05	NO DATA	3.70E-05	1.23E-05	2.11E-06	063	15.2	2.54E-02	3.48E-02	2.28E-02	0.00E+00	1.18E-02	3.93E-03	6.74E-04
H-3	NO DATA	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07	063	5180	0.00E+00	1.14E-02	1.14E-02	1.14E-02	1.14E-02	1.14E-02	1.14E-02
Dose Commitment (mrem) =										2.54E-02	4.98E-02	4.21E-02	1.14E-02	2.32E-02	1.53E-02	8.16E-02

Oconee Nuclear Station
Dose from Shoreline Sediment Pathway for 2012 Data
Maximum Exposed Adult

Shoreline Recreation = 12 hr (in one year)
 Shore Width Factor = 0.2
 Sediment Surface Mass = 40 kg/m²

Adult Dose from Shoreline Sediment Pathway (mrem) = Shoreline Recreation (hr) x External
 Dose Factor (mrem/hr per pCi/m²) x Shore Width Factor x Sediment Surface Mass (kg/m²) x
 Sediment Concentration (pCi/kg)

External Dose Factor Standing on Contaminated Ground			Highest Annual Net Mean Concentration		<u>Dose</u>	
(mrem/hr per pCi/m ²)					(mrem)	
Radionuclide	T. Body	Skin	Indicator Location	Sediment (pCi/kg)	T. Body	Skin
Cs-134	1.20E-08	1.40E-08	ALL	0.00	0.00E+00	0.00E+00
Cs-137	4.20E-09	4.90E-09	067	63.5	2.56E-05	2.99E-05
Dose Commitment (mrem) =					2.56E-05	2.99E-05

5.0 QUALITY ASSURANCE

5.1 SAMPLE COLLECTION

EnRad Laboratories, Fisheries, and Aquatic Ecology performed the environmental sample collections as specified by approved sample collection procedures.

5.2 SAMPLE ANALYSIS

EnRad Laboratories performed the environmental sample analyses as specified by approved analysis procedures. EnRad Laboratories is located in Huntersville, North Carolina, at Duke Energy Corporation's Environmental Center.

5.3 DOSIMETRY ANALYSIS

The Radiation Dosimetry and Records group performed environmental dosimetry measurements as specified by approved dosimetry analysis procedures.

5.4 LABORATORY EQUIPMENT QUALITY ASSURANCE

5.4.1 DAILY QUALITY CONTROL

EnRad Laboratories has an internal quality assurance program which monitors each type of instrumentation for reliability and accuracy. Daily quality control checks ensure that instruments are in proper working order and these checks are used to monitor instrument performance.

5.4.2 CALIBRATION VERIFICATION

National Institute of Standards and Technology (NIST) standards that represent counting geometries are analyzed as unknowns at various frequencies ranging from weekly to annually to verify that efficiency calibrations are valid. The frequency is dependent upon instrument use and performance. Investigations are performed and documented should calibration verification data fall out of limits.

5.4.3 BATCH PROCESSING

Method quality control samples are analyzed with sample analyses that are processed in batches. These include gross beta in drinking water and all tritium analyses.

5.5 DUKE ENERGY INTERCOMPARISON PROGRAM

EnRad Laboratories participated in the Duke Energy Nuclear Generation Department Intercomparison Program during 2012. Interlaboratory cross-check standards, including Marinelli beakers, air filters, air cartridges, gross beta in water, and tritium in

water samples were analyzed at various times of the year. A summary of the EnRad Laboratory program results for 2012 is documented in Table 5.0-A.

5.6 ECKERT & ZIEGLER ANALYTICS CROSS CHECK PROGRAM

EnRad Laboratories participated in the Eckert & Ziegler Analytics Cross Check Program during 2012. Cross-check standards including, Marinelli beakers, air filters, tritium in water, and Iodine in milk samples were analyzed at various times of the year. A summary of the EnRad Laboratory program results for 2012 is documented in Table 5.0-B.

5.7 ERA PROFICIENCY TESTING

EnRad Laboratories performed method proficiency testing through a program administered by Environmental Resource Associates (ERA) of Arvada, CO. ERA supplied requested method proficiency samples for analysis and nuclide concentration determination. ERA reported proficiency test results to the North Carolina Department of Health and Human Services, North Carolina Public Health Drinking Water Laboratory Certification Program. A summary of these proficiency test data for 2012 is documented in Table 5.0-C.

5.8 DUKE ENERGY AUDITS

The Oconee Nuclear Station Radiological Environmental Monitoring Program was audited by the Quality Assurance Group in 2012 (reference 6.13). Audits at Catawba, McGuire, Oconee, and EnRad Laboratories identified procedure and report enhancements (references 6.13, 6.17, 6.18, 6.19). No environmental monitoring issues were identified.

5.9 U.S. NUCLEAR REGULATORY COMMISSION INSPECTIONS

The Oconee Nuclear Station Radiological Environmental Monitoring Program was audited by the NRC in 2012 (reference 6.12). No issues were identified.

5.10 STATE OF SOUTH CAROLINA INTERCOMPARISON PROGRAM

Oconee Nuclear Station routinely participates with the Bureau of Radiological Health of the State's Department of Health and Environmental Control (DHEC) in an intercomparison program. The Memorandum of Agreement (MOA) between SC DHEC and Duke Energy describes the sampling frequency and analysis parameters for drinking water, surface water, milk, fish, vegetation, and shoreline sediment samples collected by EnRad Laboratories. Samples are routinely split with DHEC for intercomparison analysis. DHEC collects air samples near two of the locations sampled for air by ONS. Results of the analyses performed on split and duplicate samples are sent to DHEC.

5.11 TLD INTERCOMPARISON PROGRAM

5.11.1 NUCLEAR TECHNOLOGY SERVICES INTERCOMPARISON PROGRAM

Radiation Dosimetry and Records participates in a quarterly TLD intercomparison program administered by Nuclear Technology Services, Inc. of Roswell, GA. Nuclear Technology Services irradiates environmental dosimeters quarterly and sends them to the Radiation Dosimetry and Records group for analysis of the unknown estimated delivered exposure. A summary of the Nuclear Technology Services Intercomparison Report is documented in Table 5.0-D.

5.11.2 INTERNAL CROSSCHECK (DUKE ENERGY)

Radiation Dosimetry and Records participates in a quarterly TLD intracomparison program administered internally by the Dosimetry Lab. The Dosimetry Lab Staff irradiates environmental dosimeters quarterly and submits them for analysis of the unknown estimated delivered exposure. A summary of the Internal Cross Check (Duke Energy) Result is documented in Table 5.0-D.

TABLE 5.0-A

DUKE ENERGY

INTERLABORATORY COMPARISON PROGRAM

2012 CROSS-CHECK RESULTS FOR ENRAD LABORATORIES

Cross-Check samples are normally analyzed a minimum of three times. A status of "3 Pass" indicates that all three analyses yielded results within the designated acceptance range. A status of "2 Pass" indicates that two analyses of the cross check was performed and both analyses yielded results within the designated acceptance range. A status of "1 Pass" indicates that one analysis of the cross-check was performed and yielded results within the designated acceptance range. If applicable, footnote explanations are included following this table.

Gamma in Water 3.5 liters

Reference Date	Sample I.D.	Nuclide	Acceptance Range pCi/l	Reference Value pCi/l	Mean Reported Value pCi/l	Cross Check Status
2/28/2012	Q121GWR	Cr-51	6.92 - 12.27 E3	9.23 E3	9.10 E3	3 Pass
		Mn-54	2.15 - 3.81 E3	2.87 E3	3.01 E3	3 Pass
		Co-58	1.64 - 2.90 E3	2.18 E3	2.18 E3	3 Pass
		Fe-59	2.29 - 4.06 E3	3.05 E3	3.19 E3	3 Pass
		Co-60	2.98 - 5.28 E3	3.97 E3	4.12 E3	3 Pass
		Zn-65	3.69 - 6.55 E3	4.93 E3	5.09 E3	3 Pass
		Cs-134	1.62 - 2.86 E3	2.15 E3	1.95 E3	3 Pass
		Cs-137	1.69 - 3.00 E3	2.25 E3	2.18 E3	3 Pass
		Ce-141	3.89 - 6.90 E3	5.19 E3	5.17 E3	3 Pass
5/31/2012	Q122GWR	Cr-51	2.66 - 4.72 E3	3.55 E3	3.76 E3	3 Pass
		Mn-54	6.35 - 11.26 E2	8.46 E2	9.00 E2	3 Pass
		Co-58	4.96 - 8.80 E2	6.62 E2	6.78 E2	3 Pass
		Fe-59	7.41 - 13.13 E2	9.87 E2	10.73 E2	3 Pass
		Co-60	1.67 - 2.96 E3	2.22 E3	2.31 E3	3 Pass
		Zn-65	0.97 - 1.71 E3	1.29 E3	1.40 E3	3 Pass
		Cs-134	0.83 - 1.47 E3	1.10 E3	1.06 E3	3 Pass
		Cs-137	0.99 - 1.76 E3	1.32 E3	1.30 E3	3 Pass
		Ce-141	5.19 - 9.20 E2	6.92 E2	7.20 E2	3 Pass
8/23/2012	Q123GWSL	Cr-51	1.76 - 3.12 E5	2.34 E5	2.24 E5	3 Pass
		Mn-54	0.84 - 1.49 E5	1.12 E5	1.12 E5	3 Pass
		Co-58	5.08 - 9.01 E4	6.77 E4	6.54 E4	3 Pass
		Fe-59	0.87 - 1.55 E5	1.17 E5	1.19 E5	3 Pass
		Co-60	6.27 - 11.12 E4	8.36 E4	8.52 E4	3 Pass
		Zn-65	0.84 - 1.48 E5	1.11 E5	1.14 E5	3 Pass
		Cs-134	4.50 - 7.99 E4	6.00 E4	5.57 E4	3 Pass
		Cs-137	7.12 - 12.63 E4	9.50 E4	8.71 E4	3 Pass
		Ce-141	1.07 - 1.89 E5	1.42 E5	1.37 E5	3 Pass

Gamma in Water 3.5 liters, continued

Reference Date	Sample I.D.	Nuclide	Acceptance Range pCi/l	Reference Value pCi/l	Mean Reported Value pCi/l	Cross Check Status
12/3/2012	Q124GWR	Cr-51	6.84 - 12.10 E3	9.12 E3	9.19 E3	2 Pass
		Mn-54	2.12 - 3.75 E3	2.82 E3	2.92 E3	2 Pass
		Co-58	1.86 - 3.30 E3	2.48 E3	2.48 E3	2 Pass
		Fe-59	2.21 - 3.92 E3	2.95 E3	3.09 E3	2 Pass
		Co-60	3.11 - 5.51 E3	4.14 E3	4.36 E3	2 Pass
		Zn-65	3.42 - 6.06 E3	4.56 E3	4.74 E3	2 Pass
		Cs-134	3.04 - 5.39 E3	4.05 E3	3.98 E3	2 Pass
		Cs-137	2.13 - 3.78 E3	2.84 E3	2.72 E3	2 Pass
		Ce-141	0.99 - 1.76 E3	1.32 E3	1.36 E3	2 Pass

Gamma in Water 1.0 liter

Reference Date	Sample I.D.	Nuclide	Acceptance Range pCi/l	Reference Value pCi/l	Mean Reported Value pCi/l	Cross Check Status
2/28/2012	Q121GWR	Cr-51	6.92 - 12.27 E3	9.23 E3	8.95 E3	3 Pass
		Mn-54	2.15 - 3.81 E3	2.87 E3	2.87 E3	3 Pass
		Co-58	1.64 - 2.90 E3	2.18 E3	2.07 E3	3 Pass
		Fe-59	2.29 - 4.06 E3	3.05 E3	3.05 E3	3 Pass
		Co-60	2.98 - 5.28 E3	3.97 E3	3.93 E3	3 Pass
		Zn-65	3.69 - 6.55 E3	4.93 E3	4.85 E3	3 Pass
		Cs-134	1.62 - 2.86 E3	2.15 E3	1.86 E3	3 Pass
		Cs-137	1.69 - 3.00 E3	2.25 E3	2.08 E3	3 Pass
		Ce-141	3.89 - 6.90 E3	5.19 E3	4.85 E3	3 Pass
5/31/2012	Q122GWR	Cr-51	2.66 - 4.72 E3	3.55 E3	3.69 E3	3 Pass
		Mn-54	6.35 - 11.26 E2	8.46 E2	8.96 E2	3 Pass
		Co-58	4.96 - 8.80 E2	6.62 E2	6.64 E2	3 Pass
		Fe-59	7.41 - 13.13 E2	9.87 E2	10.53 E2	3 Pass
		Co-60	1.67 - 2.96 E3	2.22 E3	2.27 E3	3 Pass
		Zn-65	0.97 - 1.71 E3	1.29 E3	1.39 E3	3 Pass
		Cs-134	0.83 - 1.47 E3	1.10 E3	1.04 E3	3 Pass
		Cs-137	0.99 - 1.76 E3	1.32 E3	1.29 E3	3 Pass
		Ce-141	5.19 - 9.20 E2	6.92 E2	6.86 E2	3 Pass
8/23/2012	Q123GWSL	Cr-51	1.76 - 3.12 E5	2.34 E5	2.23 E5	3 Pass
		Mn-54	0.84 - 1.49 E5	1.12 E5	1.12 E5	3 Pass
		Co-58	5.08 - 9.01 E4	6.77 E4	6.64 E4	3 Pass
		Fe-59	0.87 - 1.55 E5	1.17 E5	1.19 E5	3 Pass
		Co-60	6.27 - 11.12 E4	8.36 E4	8.42 E4	3 Pass
		Zn-65	0.84 - 1.48 E5	1.11 E5	1.13 E5	3 Pass
		Cs-134	4.50 - 7.99 E4	6.00 E4	5.62 E4	3 Pass
		Cs-137	7.12 - 12.63 E4	9.50 E4	8.84 E4	3 Pass
		Ce-141	1.07 - 1.89 E5	1.42 E5	1.36 E5	3 Pass

Gamma in Water 1.0 liter, continued

Reference Date	Sample I.D.	Nuclide	Acceptance Range pCi/l	Reference Value pCi/l	Mean Reported Value pCi/l	Cross Check Status
12/3/2012	Q124GWR	Cr-51	6.84 - 12.10 E3	9.12 E3	9.55 E3	1 Pass
		Mn-54	2.12 - 3.75 E3	2.82 E3	3.07 E3	1 Pass
		Co-58	1.86 - 3.30 E3	2.48 E3	2.60 E3	1 Pass
		Fe-59	2.21 - 3.92 E3	2.95 E3	3.24 E3	1 Pass
		Co-60	3.11 - 5.51 E3	4.14 E3	4.49 E3	1 Pass
		Zn-65	3.42 - 6.06 E3	4.56 E3	5.08 E3	1 Pass
		Cs-134	3.04 - 5.39 E3	4.05 E3	3.98 E3	1 Pass
		Cs-137	2.13 - 3.78 E3	2.84 E3	2.84 E3	1 Pass
		Ce-141	0.99 - 1.76 E3	1.32 E3	1.38 E3	1 Pass

Gamma in Water 0.5 liter

Reference Date	Sample I.D.	Nuclide	Acceptance Range pCi/l	Reference Value pCi/l	Mean Reported Value pCi/l	Cross Check Status
2/28/2012	Q121GWR	Cr-51	6.92 - 12.27 E3	9.23 E3	8.85 E3	3 Pass
		Mn-54	2.15 - 3.81 E3	2.87 E3	2.90 E3	3 Pass
		Co-58	1.64 - 2.90 E3	2.18 E3	2.07 E3	3 Pass
		Fe-59	2.29 - 4.06 E3	3.05 E3	3.11 E3	3 Pass
		Co-60	2.98 - 5.28 E3	3.97 E3	3.96 E3	3 Pass
		Zn-65	3.69 - 6.55 E3	4.93 E3	4.93 E3	3 Pass
		Cs-134	1.62 - 2.86 E3	2.15 E3	1.81 E3	3 Pass
		Cs-137	1.69 - 3.00 E3	2.25 E3	2.08 E3	3 Pass
		Ce-141	3.89 - 6.90 E3	5.19 E3	4.91 E3	3 Pass
5/31/2012	Q122GWR	Cr-51	2.66 - 4.72 E3	3.55 E3	3.65 E3	3 Pass
		Mn-54	6.35 - 11.26 E2	8.46 E2	8.84 E2	3 Pass
		Co-58	4.96 - 8.80 E2	6.62 E2	6.50 E2	3 Pass
		Fe-59	7.41 - 13.13 E2	9.87 E2	10.73 E2	3 Pass
		Co-60	1.67 - 2.96 E3	2.22 E3	2.23 E3	3 Pass
		Zn-65	0.97 - 1.71 E3	1.29 E3	1.38 E3	3 Pass
		Cs-134	0.83 - 1.47 E3	1.10 E3	0.97 E3	3 Pass
		Cs-137	0.99 - 1.76 E3	1.32 E3	1.26 E3	3 Pass
		Ce-141	5.19 - 9.20 E2	6.92 E2	6.77 E2	3 Pass
8/23/2012	Q123GWSL	Cr-51	1.76 - 3.12 E5	2.34 E5	2.28 E5	3 Pass
		Mn-54	0.84 - 1.49 E5	1.12 E5	1.15 E5	3 Pass
		Co-58	5.08 - 9.01 E4	6.77 E4	6.68 E4	3 Pass
		Fe-59	0.87 - 1.55 E5	1.17 E5	1.22 E5	3 Pass
		Co-60	6.27 - 11.12 E4	8.36 E4	8.61 E4	3 Pass
		Zn-65	0.84 - 1.48 E5	1.11 E5	1.17 E5	3 Pass
		Cs-134	4.50 - 7.99 E4	6.00 E4	5.56 E4	3 Pass
		Cs-137	7.12 - 12.63 E4	9.50 E4	8.97 E4	3 Pass
		Ce-141	1.07 - 1.89 E5	1.42 E5	1.38 E5	3 Pass

Gamma in Water 0.5 liter, continued

Reference Date	Sample I.D.	Nuclide	Acceptance Range pCi/l	Reference Value pCi/l	Mean Reported Value pCi/l	Cross Check Status
12/3/2012	Q124GWR	Cr-51	6.84 - 12.10 E3	9.12 E3	9.30 E3	1 Pass
		Mn-54	2.12 - 3.75 E3	2.82 E3	2.88 E3	1 Pass
		Co-58	1.86 - 3.30 E3	2.48 E3	2.44 E3	1 Pass
		Fe-59	2.21 - 3.92 E3	2.95 E3	3.13 E3	1 Pass
		Co-60	3.11 - 5.51 E3	4.14 E3	4.26 E3	1 Pass
		Zn-65	3.42 - 6.06 E3	4.56 E3	4.74 E3	1 Pass
		Cs-134	3.04 - 5.39 E3	4.05 E3	3.84 E3	1 Pass
		Cs-137	2.13 - 3.78 E3	2.84 E3	2.69 E3	1 Pass
		Ce-141	0.99 - 1.76 E3	1.32 E3	1.33 E3	1 Pass

Gamma in Water 0.25 liter

Reference Date	Sample I.D.	Nuclide	Acceptance Range pCi/l	Reference Value pCi/l	Mean Reported Value pCi/l	Cross Check Status
2/28/2012	Q121GWR	Cr-51	6.92 - 12.27 E3	9.23 E3	8.90 E3	3 Pass
		Mn-54	2.15 - 3.81 E3	2.87 E3	2.95 E3	3 Pass
		Co-58	1.64 - 2.90 E3	2.18 E3	2.11 E3	3 Pass
		Fe-59	2.29 - 4.06 E3	3.05 E3	3.10 E3	3 Pass
		Co-60	2.98 - 5.28 E3	3.97 E3	3.93 E3	3 Pass
		Zn-65	3.69 - 6.55 E3	4.93 E3	4.96 E3	3 Pass
		Cs-134	1.62 - 2.86 E3	2.15 E3	1.82 E3	3 Pass
		Cs-137	1.69 - 3.00 E3	2.25 E3	2.11 E3	3 Pass
		Ce-141	3.89 - 6.90 E3	5.19 E3	4.91 E3	3 Pass

Gamma in Filter

Reference Date	Sample I.D.	Nuclide	Acceptance Range pCi	Reference Value pCi	Mean Reported Value pCi	Cross Check Status
9/13/2012	E10237	Cr-51	1.61 - 2.85 E2	2.14 E2	2.04 E2	1 Pass
		Mn-54	1.27 - 2.25 E2	1.69 E2	1.68 E2	1 Pass
		Co-58	6.50 - 11.53 E1	8.67 E1	8.43 E1	1 Pass
		Fe-59	0.96 - 1.79 E2	1.31 E2	1.31 E2	1 Pass
		Co-60	0.98 - 1.74 E2	1.31 E2	1.36 E2	1 Pass
		Zn-65	1.25 - 2.21 E2	1.66 E2	1.70 E2	1 Pass
		Cs-134	7.01 - 12.42 E1	9.34 E1	9.12 E1	1 Pass
		Cs-137	1.13 - 2.00 E2	1.50 E2	1.37 E2	1 Pass
		Ce-141	1.06 - 1.88 E2	1.41 E2	1.34 E2	1 Pass
12/6/2012	E10318	Cr-51	2.81 - 4.99 E2	3.75 E2	3.14 E2	1 Pass
		Mn-54	0.94 - 1.66 E2	1.25 E2	1.20 E2	1 Pass
		Co-58	0.80 - 1.41 E1	1.06 E2	1.05 E2	1 Pass
		Fe-59	0.94 - 1.66 E2	1.25 E2	1.29 E2	1 Pass
		Co-60	1.38 - 2.45 E2	1.84 E2	1.95 E2	1 Pass
		Zn-65	1.51 - 2.67 E2	2.01 E2	1.84 E2	1 Pass
		Cs-134	1.34 - 2.38 E1	1.79 E2	1.71 E2	1 Pass
		Cs-137	0.95 - 1.68 E2	1.26 E2	1.19 E2	1 Pass
		Ce-141	4.13 - 7.33 E1	5.51 E1	4.60 E1	1 Pass

Iodine in Milk

Reference Date	Sample I.D.	Nuclide	Acceptance Range pCi/l	Reference Value pCi/l	Mean Reported Value pCi/l	Cross Check Status
7/17/2012	Q123LIM1	I-131	1.44 - 2.55 E2	1.92 E2	1.95 E2	3 Pass
7/17/2012	Q123LIM2	I-131	1.52 - 2.70 E3	2.03 E3	2.09 E3	3 Pass
7/17/2012	Q123LIM3	I-131	4.28 - 7.58 E2	5.70 E2	5.90 E2	3 Pass

Iodine on Cartridge

Reference Date	Sample I.D.	Nuclide	Acceptance Range pCi	Reference Value pCi	Mean Reported Value pCi	Cross Check Status
9/13/2012	E10238	I-131	7.29 - 12.93 E1	9.72 E1	10.02 E1	2 Pass
12/6/2012	E10319	I-131	5.45 - 9.67 E1	7.27 E1	7.50 E1	3 Pass

Beta in Water

Reference Date	Sample I.D.	Nuclide	Acceptance Range pCi/l	Reference Value pCi/l	Mean Reported Value pCi/l	Cross Check Status
6/6/2012	Q122ABW1	Cs-137	6.89 - 12.21 E1	9.18 E1	9.22 E1	3 Pass
6/6/2012	Q122ABW2	Cs-137	2.89 - 5.12 E2	3.85 E2	3.99 E2	3 Pass
6/6/2012	Q122ABW3	Cs-137	1.71 - 3.03 E2	2.28 E2	2.34 E2	3 Pass

Beta Air Particulate

Reference Date	Sample I.D.	Nuclide	Acceptance Range pCi	Reference Value pCi	Mean Reported Value pCi	Cross Check Status
5/11/2012	A27290A	Cs-137	6.40 - 11.34 E2	8.53 E2	8.51 E2	3 Pass
8/17/2012	A27829	Cs-137	6.05 - 10.72 E2	8.06 E2	7.76 E2	3 Pass

Tritium in Water

Reference Date	Sample I.D.	Nuclide	Acceptance Range pCi/l	Reference Value pCi/l	Mean Reported Value pCi/l	Cross Check Status
2/28/2012	Q121TWR1	H-3	1.45 - 2.57 E6	1.93 E6	1.94 E6	3 Pass
2/28/2012	Q121TWR2	H-3	3.22 - 5.70 E5	4.29 E5	4.33 E5	3 Pass
2/28/2012	Q121TWR3	H-3	4.83 - 8.57 E3	6.44 E3	6.43 E3	3 Pass
5/31/2012	Q122TWR1	H-3	7.49 - 13.28 E3	9.98 E3	10.07 E3	3 Pass
5/31/2012	Q122TWR2	H-3	5.35 - 9.49 E2	7.14 E2	7.17 E2	3 Pass
5/31/2012	Q122TWR3	H-3	1.85 - 3.28 E3	2.47 E3	2.46 E3	3 Pass
8/23/2012	Q123TWR1	H-3	5.05 - 8.96 E5	6.74 E5	6.81 E5	3 Pass
8/23/2012	Q123TWR2	H-3	2.17 - 3.85 E6	2.89 E6	2.89 E6	3 Pass
8/23/2012	Q123TWR3	H-3	4.96 - 8.80 E2	6.61 E2	7.26 E2	3 Pass

TABLE 5.0-B

ECKERT & ZIEGLER ANALYTICS

CROSS CHECK PROGRAM

2012 CROSS-CHECK RESULTS FOR ENRAD LABORATORIES

Cross-Check samples are received, prepared, and analyzed. Results are reported directly to Eckert & Ziegler Analytic.
If applicable, footnote explanations are included following this table

Gamma in Water 3.5 liters

Reference Date	Sample I.D.	Nuclide	Acceptance Range Ratio	Reference Value pCi/l	Reported Value pCi/l	Ratio	Cross Check Status
3/15/2012	E10049	I-131	0.80 - 1.20	9.38E+01	9.78E+01	1.04	Pass
		Ce-141	0.80 - 1.20	1.84E+02	1.90E+02	1.03	Pass
		Cr-51	0.80 - 1.20	3.09E+02	3.14E+02	1.02	Pass
		Cs-134	0.80 - 1.20	1.06E+02	9.65E+01	0.91	Pass
		Cs-137	0.80 - 1.20	1.13E+02	1.12E+02	1.00	Pass
		Co-58	0.80 - 1.20	9.34E+01	9.33E+01	1.00	Pass
		Mn-54	0.80 - 1.20	1.38E+02	1.45E+02	1.05	Pass
		Fe-59	0.80 - 1.20	1.19E+02	1.31E+02	1.10	Pass
		Zn-65	0.80 - 1.20	2.35E+02	2.42E+02	1.03	Pass
		Co-60	0.80 - 1.20	1.97E+02	2.10E+02	1.07	Pass
9/13/2012	E10242	I-131	0.80 - 1.20	9.99E+01	1.05E+02	1.05	Pass
		Ce-141	0.80 - 1.20	2.51E+02	2.56E+02	1.02	Pass
		Cr-51	0.80 - 1.20	3.80E+02	4.08E+02	1.07	Pass
		Cs-134	0.80 - 1.20	1.66E+02	1.52E+02	0.92	Pass
		Cs-137	0.80 - 1.20	2.67E+02	2.58E+02	0.97	Pass
		Co-58	0.80 - 1.20	1.54E+02	1.50E+02	0.97	Pass
		Mn-54	0.80 - 1.20	3.00E+02	3.06E+02	1.02	Pass
		Fe-59	0.80 - 1.20	2.33E+02	2.45E+02	1.05	Pass
		Zn-65	0.80 - 1.20	2.95E+02	3.16E+02	1.07	Pass
		Co-60	0.80 - 1.20	2.33E+02	2.43E+02	1.04	Pass

Gamma in Milk

Reference Date	Sample I.D.	Nuclide	Acceptance Range Ratio	Reference Value pCi/l	Reported Value pCi/l	Ratio	Cross Check Status
6/14/2012	E10142	I-131	0.80 - 1.20	9.97E+01	9.84E+01	0.99	Pass
		Ce-141	0.80 - 1.20	8.22E+01	8.25E+01	1.00	Pass
		Cr-51	0.80 - 1.20	4.02E+02	4.20E+02	1.05	Pass
		Cs-134	0.80 - 1.20	1.74E+02	1.59E+02	0.91	Pass
		Cs-137	0.80 - 1.20	2.12E+02	2.11E+02	1.00	Pass
		Co-58	0.80 - 1.20	9.23E+01	9.37E+01	1.01	Pass
		Mn-54	0.80 - 1.20	1.32E+02	1.35E+02	1.02	Pass
		Fe-59	0.80 - 1.20	1.28E+02	1.37E+02	1.07	Pass
		Zn-65	0.80 - 1.20	1.99E+02	2.05E+02	1.03	Pass
		Co-60	0.80 - 1.20	3.55E+02	3.64E+02	1.02	Pass

Gamma in Filter

Reference Date	Sample I.D.	Nuclide	Acceptance Range Ratio	Reference Value pCi	Reported Value pCi	Ratio	Cross Check Status
6/14/2012	E10138	Ce-141	0.80 - 1.20	7.50E+01	8.35E+01	1.11	Pass
		Cr-51	0.80 - 1.20	3.66E+02	3.71E+02	1.01	Pass
		Cs-134	0.80 - 1.20	1.59E+02	1.64E+02	1.03	Pass
		Cs-137	0.80 - 1.20	1.93E+02	1.89E+02	0.98	Pass
		Co-58	0.80 - 1.20	8.42E+01	8.93E+01	1.06	Pass
		Mn-54	0.80 - 1.20	1.21E+02	1.24E+02	1.03	Pass
		Fe-59	0.80 - 1.20	1.17E+02	1.32E+02	1.13	Pass
		Zn-65	0.80 - 1.20	1.82E+02	2.02E+02	1.11	Pass
		Co-60	0.80 - 1.20	3.24E+02	3.42E+02	1.05	Pass
9/13/2012	E10244	Ce-141	0.80 - 1.20	1.29E+02	1.32E+02	1.03	Pass
		Cr-51	0.80 - 1.20	1.95E+02	2.04E+02	1.05	Pass
		Cs-134	0.80 - 1.20	8.51E+01	8.90E+01	1.05	Pass
		Cs-137	0.80 - 1.20	1.37E+02	1.40E+02	1.02	Pass
		Co-58	0.80 - 1.20	7.89E+01	8.59E+01	1.09	Pass
		Mn-54	0.80 - 1.20	1.54E+02	1.63E+02	1.06	Pass
		Fe-59	0.80 - 1.20	1.19E+02	1.36E+02	1.14	Pass
		Zn-65	0.80 - 1.20	1.51E+02	1.67E+02	1.10	Pass
		Co-60	0.80 - 1.20	1.19E+02	1.30E+02	1.09	Pass

Iodine in Milk

Reference Date	Sample I.D.	Nuclide	Acceptance Range Ratio	Reference Value pCi/l	Reported Value pCi/l	Ratio	Cross Check Status
9/13/2012	E10239	I-131	0.80 - 1.20	9.98E+01	1.00E+02	1.00	Pass

I-131 in Charcoal Cartridge

Reference Date	Sample I.D.	Nuclide	Acceptance Range Ratio	Reference Value pCi	Reported Value pCi	Ratio	Cross Check Status
6/14/2012	E10139	I-131	0.80 - 1.20	9.73E+01	9.24E+01	0.95	Pass

Beta in Water

Reference Date	Sample I.D.	Nuclide	Acceptance Range Ratio	Reference Value pCi/l	Reported Value pCi/l	Ratio	Cross Check Status
6/14/2012	E10140	Cs-137	0.80 - 1.20	1.48E+02	1.63E+02	1.10	Pass

Beta in Air Filter

Reference Date	Sample I.D.	Nuclide	Acceptance Range Ratio	Reference Value pCi	Reported Value pCi	Ratio	Cross Check Status
3/15/2012	E10050A	Cs-137	0.80 - 1.20	1.61E+02	1.62E+02	1.01	Pass
9/13/2012	E10240	Cs-137	0.80 - 1.20	1.67E+02	1.52E+02	0.91	Pass
9/13/2012	E10241	Cs-137	0.80 - 1.20	9.10E+01	8.46E+01	0.93	Pass

Tritium in Water

Reference Date	Sample I.D.	Nuclide	Acceptance Range Ratio	Reference Value pCi/l	Reported Value pCi/l	Ratio	Cross Check Status
3/15/2012	E10052	H-3	0.80 - 1.20	4.47E+03	4.28E+03	0.96	Pass
6/14/2012	E10141	H-3	0.80 - 1.20	4.97E+03	4.70E+03	0.95	Pass
9/13/2012	E10243	H-3	0.80 - 1.20	1.30E+04	1.31E+04	1.01	Pass

TABLE 5.0-C

ENVIRONMENTAL RESOURCE ASSOCIATES (ERA) PROFICIENCY TESTING

2012 PROFICIENCY TEST RESULTS FOR ENRAD LABORATORIES

**North Carolina Department of Health and Human Services Laboratory Certification
EnRad Laboratories, Laboratory Number 37817**

Proficiency test samples are received, prepared, analyzed, and reported to Environmental Resource Associates as described in the instruction package within the study period. Proficiency test data are reported to ERA for evaluation. ERA reports proficiency test results to the North Carolina Department of Health and Human Services, North Carolina Public Drinking Water Laboratory Certification Program.

If applicable, footnote explanations are included following this data table.

Gamma Emitters in Water

Reference Date	Sample I.D.	Nuclide	Acceptance Range pCi/l	Reference Value pCi/l	Reported Value pCi/l	Proficiency Check Status
4/9/2012	RAD-89*	Ba-133	69.1 - 90.5	8.23E+01	8.21E+01	Pass
		Cs-134	60.6 - 81.6	7.42E+01	6.86E+01	Pass
		Cs-137	140 - 172	1.55E+02	1.45E+02	Pass
		Co-60	65.6 - 82.6	7.29E+01	7.78E+01	Pass
		Zn-65	94.5 - 125	1.05E+02	1.14E+02	Pass
10/5/2012	RAD-91**	Ba-133	71.3 - 93.3	8.48E+01	8.60E+01	Pass
		Cs-134	62.6 - 84.3	7.66E+01	6.41E+01	Pass
		Cs-137	165 - 203	1.83E+02	1.68E+02	Pass
		Co-60	70.5 - 88.5	7.83E+01	7.88E+01	Pass
		Zn-65	184 - 240	2.04E+02	2.09E+02	Pass

Tritium in Water

Reference Date	Sample I.D.	Nuclide	Acceptance Range pCi/l	Reference Value pCi/l	Reported Value pCi/l	Proficiency Check Status
4/9/2012	RAD-89*	H-3	13800 - 17400	1.58E+04	1.52E+04	Pass
10/5/2012	RAD-91**	H-3	4190 - 5380	4.89E+03	4.80E+03	Pass

* ERA study period 4/9/2012 - 5/24/2012, ERA data report issue date 6/4/2012

** ERA study period 10/5/2012 - 11/19/2012, ERA data report issue date 11/28/2012

I-131 in Water

Reference Date	Sample I.D.	Nuclide	Acceptance Range pCi/l	Reference Value pCi/l	Reported Value pCi/l	Proficiency Check Status
10/5/2012	RAD-91**	I-131	20.6 - 29.4	2.48E+01	2.47E+01	Pass

* ERA study period 4/9/2012 - 5/24/2012, ERA data report issue date 6/4/2012

** ERA study period 10/5/2012 - 11/19/2012, ERA data report issue date 11/28/2012

TABLE 5.0-D

2012 ENVIRONMENTAL DOSIMETER CROSS-CHECK RESULTS

Nuclear Technology Services

1st Quarter 2012						2nd Quarter 2012					
TLD Number	Reported (mR)	Delivered (mR)	Bias (% diff)	Pass/Fail Criteria	Pass/Fail	TLD Number	Reported (mR)	Delivered (mR)	Bias (% diff)	Pass/Fail Criteria	Pass/Fail
102442	78.8	77.4	1.81	<+/-15%	Pass	102414	17.4	17.0	2.29	<+/-15%	Pass
102257	83.0	77.4	7.22	<+/-15%	Pass	102430	17.9	17.0	5.00	<+/-15%	Pass
102337	77.7	77.4	0.40	<+/-15%	Pass	102462	18.0	17.0	5.94	<+/-15%	Pass
102221	78.3	77.4	1.15	<+/-15%	Pass	102490	16.9	17.0	-0.65	<+/-15%	Pass
102483	82.3	77.4	6.37	<+/-15%	Pass	102523	18.4	17.0	8.35	<+/-15%	Pass
Average Bias (B)			3.39			Average Bias (B)			4.19		
Standard Deviation (S)			3.16			Standard Deviation (S)			3.47		
Measure Performance B +S			6.55	<15%	Pass	Measure Performance B +S			7.65	<15%	Pass
3rd Quarter 2012						4th Quarter 2012					
TLD Number	Reported (mR)	Delivered (mR)	Bias (% diff)	Pass/Fail Criteria	Pass/Fail	TLD Number	Reported (mR)	Delivered (mR)	Bias (% diff)	Pass/Fail Criteria	Pass/Fail
102508	76.2	74.7	2.02	<+/-15%	Pass	102432	94.0	90.4	3.94	<+/-15%	Pass
102393	75.3	74.7	0.87	<+/-15%	Pass	102452	95.9	90.4	6.07	<+/-15%	Pass
102281	77.2	74.7	3.29	<+/-15%	Pass	102453	94.1	90.4	4.09	<+/-15%	Pass
102373	77.6	74.7	3.84	<+/-15%	Pass	102455	99.6	90.4	10.10	<+/-15%	Pass
102311	78.0	74.7	4.47	<+/-15%	Pass	102473	91.8	90.4	1.56	<+/-15%	Pass
Average Bias (B)			2.90			Average Bias (B)			5.15		
Standard Deviation (S)			1.45			Standard Deviation (S)			3.19		
Measure Performance B +S			4.35	<15%	Pass	Measure Performance B +S			8.34	<15%	Pass

Internal Crosscheck (Duke Energy)

1st Quarter 2012						2nd Quarter 2012					
TLD Number	Reported (mR)	Delivered (mR)	Bias (% diff)	Pass/Fail Criteria	Pass/Fail	TLD Number	Reported (mR)	Delivered (mR)	Bias (% diff)	Pass/Fail Criteria	Pass/Fail
102046	32.6	33.0	-1.27	<+/-15%	Pass	102468	34.2	35.0	-2.26	<+/-15%	Pass
102017	32.1	33.0	-2.82	<+/-15%	Pass	102437	35.4	35.0	1.00	<+/-15%	Pass
102250	32.2	33.0	-2.42	<+/-15%	Pass	102371	34.0	35.0	-2.77	<+/-15%	Pass
102082	32.0	33.0	-3.12	<+/-15%	Pass	102402	34.2	35.0	-2.40	<+/-15%	Pass
102339	32.0	33.0	-3.15	<+/-15%	Pass	102406	35.6	35.0	1.66	<+/-15%	Pass
102332	31.9	33.0	-3.48	<+/-15%	Pass	102012	34.3	35.0	-2.14	<+/-15%	Pass
102436	32.0	33.0	-3.18	<+/-15%	Pass	102496	32.1	35.0	-8.29	<+/-15%	Pass
102255	32.4	33.0	-1.97	<+/-15%	Pass	102391	34.2	35.0	-2.34	<+/-15%	Pass
102238	32.6	33.0	-1.36	<+/-15%	Pass	102407	34.8	35.0	-0.63	<+/-15%	Pass
101256	31.1	33.0	-5.88	<+/-15%	Pass	102336	35.2	35.0	0.51	<+/-15%	Pass
Average Bias (B)			-2.87			Average Bias (B)			-1.77		
Standard Deviation (S)			1.31			Standard Deviation (S)			2.80		
Measure Performance B +S			4.18	<15%	Pass	Measure Performance B +S			4.56	<15%	Pass
3rd Quarter 2012						4th Quarter 2012					
TLD Number	Reported (mR)	Delivered (mR)	Bias (% diff)	Pass/Fail Criteria	Pass/Fail	TLD Number	Reported (mR)	Delivered (mR)	Bias (% diff)	Pass/Fail Criteria	Pass/Fail
102149	39.1	40.0	-2.27	<+/-15%	Pass	102258	30.6	30.0	2.03	<+/-15%	Pass
102318	38.9	40.0	-2.78	<+/-15%	Pass	102373	29.2	30.0	-2.70	<+/-15%	Pass
102364	38.6	40.0	-3.55	<+/-15%	Pass	102001	30.0	30.0	0.07	<+/-15%	Pass
102433	39.6	40.0	-1.00	<+/-15%	Pass	102311	29.0	30.0	-3.50	<+/-15%	Pass
102434	39.7	40.0	-0.78	<+/-15%	Pass	102296	28.9	30.0	-3.60	<+/-15%	Pass
102083	38.3	40.0	-4.20	<+/-15%	Pass	102281	29.1	30.0	-2.97	<+/-15%	Pass
102019	38.4	40.0	-4.13	<+/-15%	Pass	102227	30.5	30.0	1.53	<+/-15%	Pass
102280	38.0	40.0	-5.03	<+/-15%	Pass	102393	29.0	30.0	-3.30	<+/-15%	Pass
102154	39.1	40.0	-2.20	<+/-15%	Pass	102163	28.9	30.0	-3.70	<+/-15%	Pass
102286	37.9	40.0	-5.28	<+/-15%	Pass	102248	30.0	30.0	0.00	<+/-15%	Pass
Average Bias (B)			-3.12			Average Bias (B)			-1.61		
Standard Deviation (S)			1.57			Standard Deviation (S)			2.27		
Measure Performance B +S			4.69	<15%	Pass	Measure Performance B +S			3.88	<15%	Pass

6.0 REFERENCES

- 6.1 Oconee Selected License Commitment Manual
- 6.2 Oconee Technical Specifications
- 6.3 Oconee Updated Final Safety Analysis Report
- 6.4 Oconee Offsite Dose Calculation Manual
- 6.5 Oconee Annual Radiological Environmental Operating Report 1969-2011
- 6.6 Oconee Annual Radioactive Effluent Release Report 2012
- 6.7 Probability and Statistics in Engineering and Management Science, Hines and Montgomery, 1969, pages 287-293.
- 6.8 Practical Statistics for the Physical Sciences, Havilcek and Crain, 1988, pages 83-93.
- 6.9 Nuclear Regulatory Commission Regulatory Guide 1.109, Calculation of Annual Doses to Man from Routine Releases of Reactor Effluents for the Purposes of Evaluating Compliance with 10CFR50, Appendix I.
- 6.10 EnRad Laboratories Operating Procedures
- 6.11 RETDAS, Radiological Effluent Tracking and Dose Assessment Software, Canberra Version 3.5.1, DPC Revision #4.0
- 6.12 NRC Integrated Inspection Report 05000269/2012004, 05000270/2012004, 05000287/2012004
- 6.13 Radiological Effluent Controls Audit 12-19 (NOS)(REC)(ONS)
- 6.14 Problem Investigation Program Database, V 3.4.3, Duke Energy Company, O-12-14486
- 6.15 NCRP (2009). National Council on Radiation Protection and Measurements. *Ionizing Radiation Exposure of the Population of the United States*, NCRP Report No. 160 (National Council on Radiation Protection and Measurements, Bethesda, Maryland).
- 6.16 Problem Investigation Program Database, V 3.4.3, Duke Energy Company, G-10-01378
- 6.17 Radiological Effluent Controls Audit 12-18 (NOS)(REC)(CNS)
- 6.18 Radiological Effluent Controls Audit 12-20 (NOS)(REC)(MNS)
- 6.19 Radiological Effluent Controls Audit 12-21 (NOS)(REC)(NGO)

APPENDIX A

**ENVIRONMENTAL SAMPLING
&
ANALYSIS PROCEDURES**

APPENDIX A

ENVIRONMENTAL SAMPLING AND ANALYSIS PROCEDURES

Adherence to established procedures for sampling and analysis of all environmental media at Oconee Nuclear Station is required to ensure compliance with Station Selected Licensee Commitments. Analytical procedures were employed to ensure that Selected Licensee Commitments detection capabilities were achieved.

Environmental sampling and analyses were performed by EnRad Laboratories, Dosimetry and Records, and Fisheries and Aquatic Ecology.

Section IV of this appendix describes the environmental sampling frequencies and analysis procedures by media type.

I. CHANGE OF SAMPLING PROCEDURES

Indicator location 085 (Air Radioiodine, Air Particulate) was added as a replacement for indicator location 074 (Air Radioiodine, Air Particulate), which was removed from the program (reference 6.16) since the location was determined to be located too close to a municipal waste treatment facility.

II. DESCRIPTION OF ANALYSIS PROCEDURES

Gamma spectroscopy analyses are performed using high purity germanium gamma detectors and Canberra analytical software. Designated sample volumes are transferred to appropriate counting geometries and analyzed by gamma spectroscopy. Perishable samples such as fish and broadleaf vegetation are ground to achieve a homogeneous mixture. Soils and sediments are dried, sifted to remove foreign objects (rocks, clams, glass, etc.) then transferred to appropriate counting geometry.

Low-level iodine analyses are performed by passing a designated sample aliquot through a pre-weighed amount of ion exchange resin to remove and concentrate any iodine in the aqueous sample (milk). The resin is then dried, mixed thoroughly, and a net resin weight determined before being transferred to appropriate counting geometry and analyzed by gamma spectroscopy.

Tritium analyses are performed quarterly by using low-level environmental liquid scintillation analysis technique on a Packard 2550 liquid scintillation system or Perkin-Elmer 2900TR liquid scintillation system. Tritium samples are distilled and batch processed with a tritium spike and blank to verify instrument performance and sample preparation technique are acceptable.

Gross beta analysis is performed by concentrating a designated aliquot of sample precipitate and analyzing by Tennelec XLB Series 5 gas-flow proportional counters. Samples are batch processed with a blank to ensure sample contamination has not occurred.

III. CHANGE OF ANALYSIS PROCEDURES

No analysis procedures were changed during 2012.

IV. SAMPLING AND ANALYSIS PROCEDURES

A.1 AIRBORNE PARTICULATE AND RADIOIODINE

Airborne particulate and radioiodine samples at each of six locations were composited continuously by means of continuous air samplers. Air particulates were collected on a particulate filter and radioiodines were collected in a charcoal cartridge positioned behind the filter in the sampler. The samplers are designed to operate at a constant flow rate (in order to compensate for any filter loading) and are set to sample approximately 2 cubic feet per minute. Filters and cartridges were collected weekly. A separate weekly gamma analysis was performed on each charcoal cartridge and air particulate. A weekly gross beta analysis was performed on each filter. The continuous composite samples were collected from the locations listed below.

Location 074	=	Keowee Key Resort (2.36 mi. NNW)
<i>Programmatic sampling terminated 9/17/2012, reference 6.16</i>		
Location 077	=	Skimmer Wall (1.00 mi. SW)
Location 078.1	=	Recreation Site (0.53 mi. WSW)
Location 079	=	Keowee Dam (0.56 mi. NE)
Location 081	=	Clemson Operations Center (9.33 mi. SE)
Location 084	=	Sue Craig Road (2.58 mi. NNE)
Location 085	=	Lake Services / Building B9125 (0.88 mi. NNW)
<i>Programmatic sampling initiated 9/17/2012, reference 6.16</i>		

A.2 DRINKING WATER

Monthly composite samplers were operated to collect an aliquot at least every two hours. Gross beta and gamma analysis was performed on the monthly composites. Tritium analysis was performed on the quarterly composites. The composites were collected monthly from the locations listed below.

Location 060	=	Greenville Water Intake Rd. (3.23 mi. NE)
Location 064	=	Seneca (6.67 mi. SSW)
Location 066	=	Anderson (18.9 mi SSE)

A.3 SURFACE WATER

Monthly composite samplers were operated to collect an aliquot at least every two hours. Gamma analysis was performed on the monthly composites. Tritium analysis was performed on the quarterly composites sample. The composites were collected monthly from the locations listed below.

Location 062 = Lake Keowee Hydro Intake (0.85 mi. ENE)
Location 063.1 = Lake Hartwell Hwy 183 Bridge (0.79 mi. E)

A.4 MILK

Semimonthly grab samples were collected at one location. A gamma and low-level Iodine-131 analysis was performed on each sample. The semimonthly grab samples were collected from the location listed below.

Location 071 = Clemson Dairy (10.2 mi. SSE)

A.5 BROADLEAF VEGETATION

Monthly samples were collected and a gamma analysis was performed on each sample. The samples were collected from the locations listed below.

Location 077 = Skimmer Wall (1.00 mi. SW)
Location 079 = Keowee Dam (0.56 mi. NE)
Location 081 = Clemson Operations Center (9.33 mi. SE)
Location 084 = Sue Craig Road (2.58 mi. NNE)

A.6 FISH

Semiannual samples were collected and a gamma analysis was performed on the edible portions of each sample. The samples were collected from the locations listed below.

Location 060 = Greenville Water Intake Rd. (2.28 mi. NE)
Location 063 = Lake Hartwell Hwy 183 Bridge (0.80 mi. ESE)
Location 067 = Lawrence Ramsey Bridge Hwy 27 (4.34 mi. SSE)

A.7 SHORELINE SEDIMENT

Semiannual samples were collected and a gamma analysis was performed on each sample following the drying and removal of rocks and clams. The samples were collected from the locations listed below.

Location 063 = Lake Hartwell Hwy 183 Bridge (0.80 mi. ESE)
Location 067 = Lawrence Ramsey Bridge Hwy 27 (4.34 mi. SSE)
Location 068 = High Falls County Park (1.82 mi. W)

A.8 DIRECT GAMMA RADIATION (TLD)

Thermoluminescent dosimeters (TLD) were collected quarterly at forty-two locations. A gamma exposure rate was determined for each TLD. The TLDs were placed as indicated below.

- * An inner ring of 17 TLDs, one in each meteorological sector in the general area of the site boundary.
- * An outer ring of 16 TLDs, one in each meteorological sector in the 6 to 8 kilometer range.
- * The remaining TLDs were placed in special interest areas such as population centers, residential areas, schools, and control locations.

TLD Locations are listed in Table 2.1-B.

A.9 ANNUAL LAND USE CENSUS

An annual Land Use Census was conducted to identify within a distance of 8 kilometers (5.0 miles) from the station, the following locations in each of the sixteen meteorological sectors:

- * The Nearest Residence
- * The Nearest Milk-giving Animal (cow, goat, etc.) where milk is used for human consumption

The census was conducted during the growing season 6/13/2012. Results are shown in Table 3.9. No changes were made to the sampling procedures during 2012 as a result of the 2012 census.

V. GLOBAL POSITIONING SYSTEM (GPS) ANALYSIS

The Oconee site centerline used for GPS measurements was referenced from the Oconee Nuclear Station Updated Final Safety Analysis Report (UFSAR), section 2.1.1.1, Specification of Location. Waypoint coordinates used for ONS GPS measurements were latitude 34°-47'-38.2"N and longitude 82°-53'-55.4"W. Maps and tables were generated using North American Datum (NAD) 27. Data normally reflect accuracy to within 2 to 5 meters from point of measurement. GPS field measurements were taken as close as possible to the item of interest. Distances for the locations are displayed using three significant figures.

APPENDIX B

**RADIOLOGICAL
ENVIRONMENTAL MONITORING
PROGRAM**

SUMMARY OF RESULTS

2012

Environmental Radiological Monitoring Program Summary

Facility: Oconee Nuclear Station

Docket No. 50-269,270,287

Location: Oconee County, South Carolina

Report Period: 01-JAN-2012 to 31-DEC-2012

Medium or Pathway Sampled	Type and Total Number of		Lower Limit of Detection	All Indicator Locations	Location with Highest Annual Mean Name, Distance, Direction		Control Location	No. of Non-Routine Report Meas.
Unit of Measurement	Analyses Performed		(LLD)	Mean (Fraction) Range	Location Code	Mean (Fraction) Range	Mean (Fraction) Range	
Air Particulate (pCi/m3)	081 (9.33 mi SE)							
	BETA	312	1.00E-02	2.09E-2 (260/260)	085	2.63E-2 (15/15)	1.97E-2 (52/52)	0
				7.49E-3 - 3.90E-2	(0.88 mi NNW)	1.43E-2 - 3.63E-2	1.04E-2 - 3.28E-2	
	CS-134	312	5.00E-02	0.00 (0/260)		0.00 (0/15)	0.00 (0/52)	0
				0.00 - 0.00		0.00 - 0.00	0.00 - 0.00	
	CS-137	312	6.00E-02	0.00 (0/260)		0.00 (0/15)	0.00 (0/52)	0
				0.00 - 0.00		0.00 - 0.00	0.00 - 0.00	
	I-131	312	7.00E-02	0.00 (0/260)		0.00 (0/15)	0.00 (0/52)	0
				0.00 - 0.00		0.00 - 0.00	0.00 - 0.00	

Mean and range based upon detectable measurements only

Fraction of detectable measurements at specified locations is indicated in parentheses, (Fraction)

Zero range indicates no detectable activity measurements

Environmental Radiological Monitoring Program Summary

Facility: Oconee Nuclear Station

Docket No. 50-269,270,287

Location: Oconee County, South Carolina

Report Period: 01-JAN-2012 to 31-DEC-2012

Medium or Pathway Sampled	Type and Total Number of		Lower Limit of Detection	All Indicator Locations	Location with Highest Annual Mean Name, Distance, Direction		Control Location	No. of Non-Routine Report Meas.
Unit of Measurement	Analyses Performed		(LLD)	Mean (Fraction) Range	Location Code	Mean (Fraction) Range	Mean (Fraction) Range	
Air Radioiodine (pCi/m3)								
							081 (9.33 mi SE)	
	CS-134	312	5.00E-02	0.00 (0/260)		0.00 (0/52)	0.00 (0/52)	0
				0.00 - 0.00		0.00 - 0.00	0.00 - 0.00	
	CS-137	312	6.00E-02	0.00 (0/260)		0.00 (0/52)	0.00 (0/52)	0
				0.00 - 0.00		0.00 - 0.00	0.00 - 0.00	
	I-131	312	7.00E-02	0.00 (0/260)		0.00 (0/52)	0.00 (0/52)	0
				0.00 - 0.00		0.00 - 0.00	0.00 - 0.00	

Mean and range based upon detectable measurements only

Fraction of detectable measurements at specified locations is indicated in parentheses, (Fraction)

Zero range indicates no detectable activity measurements

Environmental Radiological Monitoring Program Summary

Facility: Oconee Nuclear Station

Docket No. 50-269,270,287

Location: Oconee County, South Carolina

Report Period: 01-JAN-2012 to 31-DEC-2012

Medium or Pathway Sampled	Type and Total Number of	Lower Limit of Detection	All Indicator Locations	Location with Highest Annual Mean Name, Distance, Direction		Control Location	No. of Non-Routine Report Meas.
Unit of Measurement	Analyses Performed	(LLD)	Mean (Fraction) Range	Location Code	Mean (Fraction) Range	Mean (Fraction) Range	
Drinking Water (pCi/liter)						064 (6.67 mi SSW)	
	BALA-140	39	15		0.00 (0/26)	0.00 (0/13)	0
					0.00 - 0.00	0.00 - 0.00	
	BETA	39	4		1.30 (19/26)	0.92 (11/13)	0
				066 (18.9 mi SSE)	0.83 - 2.03	0.63 - 1.46	
	CO-58	39	15		0.00 (0/26)	0.00 (0/13)	0
					0.00 - 0.00	0.00 - 0.00	
	CO-60	39	15		0.00 (0/26)	0.00 (0/13)	0
					0.00 - 0.00	0.00 - 0.00	
	CS-134	39	15		0.00 (0/26)	0.00 (0/13)	0
					0.00 - 0.00	0.00 - 0.00	
	CS-137	39	18		0.00 (0/26)	0.00 (0/13)	0
					0.00 - 0.00	0.00 - 0.00	
	FE-59	39	30		0.00 (0/26)	0.00 (0/13)	0
					0.00 - 0.00	0.00 - 0.00	
	H-3	12	2000		322 (4/8)	0.00 (0/4)	0
				066 (18.9 mi SSE)	293 - 360	0.00 - 0.00	
	I-131	39	15		0.00 (0/26)	0.00 (0/13)	0
					0.00 - 0.00	0.00 - 0.00	
	MN-54	39	15		0.00 (0/26)	0.00 (0/13)	0
					0.00 - 0.00	0.00 - 0.00	
	NB-95	39	15		0.00 (0/26)	0.00 (0/13)	0
					0.00 - 0.00	0.00 - 0.00	
	ZN-65	39	30		0.00 (0/26)	0.00 (0/13)	0
					0.00 - 0.00	0.00 - 0.00	
	ZR-95	39	15		0.00 (0/26)	0.00 (0/13)	0
					0.00 - 0.00	0.00 - 0.00	

Mean and range based upon detectable measurements only

Fraction of detectable measurements at specified locations is indicated in parentheses, (Fraction)

Zero range indicates no detectable activity measurements

Environmental Radiological Monitoring Program Summary

Facility: Oconee Nuclear Station

Docket No. 50-269,270,287

Location: Oconee County, South Carolina

Report Period: 01-JAN-2012 to 31-DEC-2012

Medium or Pathway Sampled	Type and Total Number of	Lower Limit of Detection	All Indicator Locations	Location with Highest Annual Mean Name, Distance, Direction		Control Location	No. of Non-Routine Report Meas.
Unit of Measurement	Analyses Performed	(LLD)	Mean (Fraction) Range	Location Code	Mean (Fraction) Range	Mean (Fraction) Range	
Surface Water (pCi/liter)						062 (0.85 mi ENE)	
	BALA-140	26	15		0.00 (0/13)	0.00 (0/13)	0
					0.00 - 0.00	0.00 - 0.00	
	CO-58	26	15		0.00 (0/13)	0.00 (0/13)	0
					0.00 - 0.00	0.00 - 0.00	
	CO-60	26	15		0.00 (0/13)	0.00 (0/13)	0
					0.00 - 0.00	0.00 - 0.00	
	CS-134	26	15		0.00 (0/13)	0.00 (0/13)	0
					0.00 - 0.00	0.00 - 0.00	
	CS-137	26	18		0.00 (0/13)	0.00 (0/13)	0
					0.00 - 0.00	0.00 - 0.00	
	FE-59	26	30		0.00 (0/13)	0.00 (0/13)	0
					0.00 - 0.00	0.00 - 0.00	
	H-3	8	2000		5755 (4/4)	0.00 (0/4)	0
				063.1 (0.79 mi E)	3960 - 7640	0.00 - 0.00	
	I-131	26	15		0.00 (0/13)	0.00 (0/13)	0
					0.00 - 0.00	0.00 - 0.00	
	MN-54	26	15		0.00 (0/13)	0.00 (0/13)	0
					0.00 - 0.00	0.00 - 0.00	
	NB-95	26	15		0.00 (0/13)	0.00 (0/13)	0
					0.00 - 0.00	0.00 - 0.00	
	ZN-65	26	30		0.00 (0/13)	0.00 (0/13)	0
					0.00 - 0.00	0.00 - 0.00	
	ZR-95	26	15		0.00 (0/13)	0.00 (0/13)	0
					0.00 - 0.00	0.00 - 0.00	

Mean and range based upon detectable measurements only

Fraction of detectable measurements at specified locations is indicated in parentheses, (Fraction)

Zero range indicates no detectable activity measurements

Environmental Radiological Monitoring Program Summary

Facility: Oconee Nuclear Station

Docket No. 50-269, 270, 287

Location: Oconee County, South Carolina

Report Period: 01-JAN-2012 to 31-DEC-2012

Medium or Pathway Sampled	Type and Total Number of	Lower Limit of Detection	All Indicator Locations	Location with Highest Annual Mean Name, Distance, Direction		Control Location	No. of Non-Routine Report Meas.
Unit of Measurement	Analyses Performed	(LLD)	Mean (Fraction) Range	Location Code	Mean (Fraction) Range	Mean (Fraction) Range	
Milk (pCi/liter)	NO INDICATOR LOCATION			071 (10.2 mi SSE)			
	BALA-140	26	15	0.00 (0/0)	0.00 (0/0)	0.00 (0/26)	0
				0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	
	CS-134	26	15	0.00 (0/0)	0.00 (0/0)	0.00 (0/26)	0
				0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	
	CS-137	26	18	0.00 (0/0)	0.00 (0/0)	0.00 (0/26)	0
				0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	
	I-131	26	15	0.00 (0/0)	0.00 (0/0)	0.00 (0/26)	0
				0.00 - 0.00	0.00 - 0.00	0.00 - 0.00	
	LLI-131	26	1	0.00 (0/0)	0.00 (0/0)	0.00 (0/26)	0
			0.00 - 0.00	0.00 - 0.00	0.00 - 0.00		

Mean and range based upon detectable measurements only

Fraction of detectable measurements at specified locations is indicated in parentheses, (Fraction)

Zero range indicates no detectable activity measurements

Environmental Radiological Monitoring Program Summary

Facility: Oconee Nuclear Station

Docket No. 50-269,270,287

Location: Oconee County, South Carolina

Report Period: 01-JAN-2012 to 31-DEC-2012

Medium or Pathway Sampled	Type and Total Number of	Lower Limit of Detection	All Indicator Locations	Location with Highest Annual Mean Name, Distance, Direction		Control Location	No. of Non-Routine Report Meas.
Unit of Measurement	Analyses Performed	(LLD)	Mean (Fraction) Range	Location Code	Mean (Fraction) Range	Mean (Fraction) Range	
Broadleaf Vegetation (pCi/kg-wet)						081 (9.33 mi SE)	
	CS-134	48	60		0.00 (0/36)	0.00 (0/12)	0
					0.00 - 0.00	0.00 - 0.00	
	CS-137	48	80		0.00 (0/36)	0.00 (0/12)	0
					0.00 - 0.00	0.00 - 0.00	
	I-131	48	60		0.00 (0/36)	0.00 (0/12)	0
					0.00 - 0.00	0.00 - 0.00	

Mean and range based upon detectable measurements only

Fraction of detectable measurements at specified locations is indicated in parentheses, (Fraction)

Zero range indicates no detectable activity measurements

Environmental Radiological Monitoring Program Summary

Facility: Oconee Nuclear Station

Docket No. 50-269,270,287

Location: Oconee County, South Carolina

Report Period: 01-JAN-2012 to 31-DEC-2012

Medium or Pathway Sampled Unit of Measurement	Type and Total Number of Analyses Performed	Lower Limit of Detection (LLD)	All Indicator Locations Mean (Fraction) Range	Location with Highest Annual Mean Name, Distance, Direction		Control Location Mean (Fraction) Range	No. of Non-Routine Report Meas.
				Location Code	Mean (Fraction) Range		
Fish (pCi/kg-wet)						060 (2.28 mi NE)	
	CO-58	12	130	123 (1/8)	063	123 (1/4)	0
				123 - 123	(0.80 mi ESE)	123 - 123	0
	CO-60	12	130	36.1 (1/8)	063	36.1 (1/4)	0
				36.1 - 36.1	(0.80 mi ESE)	36.1 - 36.1	0
	CS-134	12	130	0.00 (0/8)		0.00 (0/4)	0
				0.00 - 0.00		0.00 - 0.00	0
	CS-137	12	150	37.6 (7/8)	063	43.2 (4/4)	0
				17.2 - 71.2	(0.80 mi ESE)	20.3 - 71.2	0
	FE-59	12	260	0.00 (0/8)		0.00 (0/4)	0
				0.00 - 0.00		0.00 - 0.00	0
	MN-54	12	130	0.00 (0/8)		0.00 (0/4)	0
				0.00 - 0.00		0.00 - 0.00	0
	ZN-65	12	260	0.00 (0/8)		0.00 (0/4)	0
				0.00 - 0.00		0.00 - 0.00	0

Mean and range based upon detectable measurements only

Fraction of detectable measurements at specified locations is indicated in parentheses, (Fraction)

Zero range indicates no detectable activity measurements

Environmental Radiological Monitoring Program Summary

Facility: Oconee Nuclear Station

Docket No. 50-269,270,287

Location: Oconee County, South Carolina

Report Period: 01-JAN-2012 to 31-DEC-2012

Medium or Pathway Sampled	Type and Total Number of	Lower Limit of Detection	All Indicator Locations	Location with Highest Annual Mean Name, Distance, Direction		Control Location	No. of Non-Routine Report Meas.
Unit of Measurement	Analyses Performed	(LLD)	Mean (Fraction) Range	Location Code	Mean (Fraction) Range	Mean (Fraction) Range	
Shoreline Sediment (pCi/kg-dry)						068 (1.82 mi W)	
	CS-134	6	150		0.00 (0/4)	0.00 (0/2)	0
					0.00 - 0.00	0.00 - 0.00	
	CS-137	6	180		43.7 (4/4)	0.00 (0/2)	0
				067 (4.34 mi SSE)	63.5 (2/2)	0.00 - 0.00	
					21.5 - 80.6	46.4 - 80.6	

Mean and range based upon detectable measurements only

Fraction of detectable measurements at specified locations is indicated in parentheses, (Fraction)

Zero range indicates no detectable activity measurements

Environmental Radiological Monitoring Program Summary

Facility: Oconee Nuclear Station

Docket No. 50-269,270,287

Location: Oconee County, South Carolina

Report Period: 01-JAN-2012 to 31-DEC-2012

Medium or Pathway Sampled	Type and Total Number of	Lower Limit of Detection	All Indicator Locations	Locations with Highest Annual Mean Name, Distance, Direction		Control Location	No. of Non-Routine Report Meas.
Unit of Measurement	Analyses Performed	(LLD)	Mean (Fraction) Range	Location Code	Mean (Fraction) Range	Mean (Fraction) Range	
Direct Radiation TLD (mR/standard quarter)						058 (9.39 mi WSW) 081 (9.33 mi SE)	
	168	0.00E+00	22.2 (160/160)	036	26.8 (4/4)	27.6 (8/8)	0
			13.0 - 31.0	(4.18 mi N)	22.0 - 30.0	21.0 - 36.0	
				040	26.8 (4/4)		
				(4.74 mi E)	24.0 - 29.0		
				042	26.8 (4/4)		
				(4.93 mi SE)	24.0 - 31.0		

Mean and range based upon detectable measurements only

Fraction of detectable measurements at specified locations is indicated in parentheses, (Fraction)

Zero range indicates no detectable activity measurements

APPENDIX C

**SAMPLING DEVIATIONS
&
UNAVAILABLE ANALYSES**

APPENDIX C

OCONEE NUCLEAR STATION SAMPLING DEVIATIONS & UNAVAILABLE ANALYSES

DEVIATION & UNAVAILABLE REASON CODES			
BF	Blown Fuse	PO	Power Outage
FZ	Sample Frozen	PS	Pump out of service / Undergoing Repair
IW	Inclement Weather	SL	Sample Loss/Lost due to Lab Accident
LC	Line Clog to Sampler	SM	Motor / Rotor Seized
OT	Other	TF	Torn Filter
PI	Power Interrupt	VN	Vandalism
PM	Preventive Maintenance	CN	Construction

C.1 SAMPLING DEVIATIONS

Air Particulate and Air Radioiodines

Location	Scheduled Collection Dates	Actual Collection Dates	Code	Description & Action to Prevent Recurrence	Corrective Action Identity
077	7/9 – 7/16/2012	7/9 – 7/16/2012	PI	Power to sampling equipment interrupted for about 2.5 hours, possibly attributable to thunderstorm. No work request/repair was necessary.	G-12-01153
078.1	7/9 – 7/16/2012	7/9 – 7/16/2012	PI	Power to sampling equipment interrupted for about 2.4 hours, possibly attributable to thunderstorm. No work request/repair was necessary.	G-12-01154
085	10/22 – 10/29/2012	10/22 – 10/29/2012	PI	Power to sampling equipment interrupted for about 1 hour due to tree limb falling on power line, likely attributable to windy conditions from Hurricane Sandy. Work request 105236 written.	G-12-01813

Drinking Water

Location	Scheduled Collection Dates	Actual Collection Dates	Code	Description & Action to Prevent Recurrence	Corrective Action Identity
066	4/30 – 5/29/2012	5/29 – 5/29/2012	OT	Sampler did not collect sufficient volume, grab sample taken. Tubing was replaced and sampler was recalibrated to prevent recurrence.	G-12-00977

Surface Water

Location	Scheduled Collection Dates	Actual Collection Dates	Code	Description & Action to Prevent Recurrence	Corrective Action Identity
062	3/5 – 4/2/2012	3/5 – 4/2/2012	PS	Reservoir pump found inoperative, work request 98322 written. Maintenance determined the reservoir pump foot valve clogged.	G-12-00809

C.2 UNAVAILABLE ANALYSES

There were no unavailable samples for 2012.

APPENDIX D

ANALYTICAL DEVIATIONS

No Analytical deviations were incurred for the
2012 Radiological Environmental Monitoring Program

APPENDIX E

RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM RESULTS

2012

This appendix includes sample analysis report summaries and supportive data generated from each sample medium for 2012.

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 074 [INDICATOR - NNW @ 2.36 miles]

Sample ID: 227183	Sample Dates: 1/3/2012 - 1/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.10E-02	1.67E-03	3.72E-03
		I-131	<2.21E-02	0.00E+00	2.21E-02
		Cs-134	<1.16E-02	0.00E+00	1.16E-02
		Cs-137	<2.79E-02	0.00E+00	2.79E-02
		Be-7	<2.55E-01	0.00E+00	2.55E-01
Sample ID: 227317	Sample Dates: 1/9/2012 - 1/16/2012	K-40	<4.83E-01	0.00E+00	4.83E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.03E-02	1.47E-03	3.09E-03
		I-131	<6.00E-03	0.00E+00	6.00E-03
		Cs-134	<7.09E-03	0.00E+00	7.09E-03
		Cs-137	<8.02E-03	0.00E+00	8.02E-03
Sample ID: 227531	Sample Dates: 1/16/2012 - 1/23/2012	Be-7	9.41E-02	3.11E-02	6.15E-02
		K-40	2.96E-01	5.50E-02	9.21E-02
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.45E-02	1.34E-03	3.14E-03
		I-131	<5.61E-03	0.00E+00	5.61E-03
		Cs-134	<8.02E-03	0.00E+00	8.02E-03
Sample ID: 227853	Sample Dates: 1/23/2012 - 1/30/2012	Cs-137	<8.22E-03	0.00E+00	8.22E-03
		Be-7	5.60E-02	2.83E-02	5.75E-02
		K-40	2.90E-01	5.92E-02	1.07E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.41E-02	1.40E-03	3.52E-03
		I-131	<5.54E-03	0.00E+00	5.54E-03
Sample ID: 228120	Sample Dates: 1/30/2012 - 2/6/2012	Cs-134	<4.23E-03	0.00E+00	4.23E-03
		Cs-137	<5.60E-03	0.00E+00	5.60E-03
		Be-7	1.27E-01	2.51E-02	4.32E-02
		K-40	<1.73E-01	0.00E+00	1.73E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.16E-02	1.53E-03	3.38E-03
Sample ID: 229431	Sample Dates: 2/6/2012 - 2/13/2012	I-131	<8.30E-03	0.00E+00	8.30E-03
		Cs-134	<9.43E-03	0.00E+00	9.43E-03
		Cs-137	<1.24E-02	0.00E+00	1.24E-02
		Be-7	1.92E-01	3.44E-02	6.64E-02
		K-40	<2.45E-01	0.00E+00	2.45E-01
		Nuclide	Activity	1 Sigma Error	LLD
Sample ID: 230057	Sample Dates: 2/13/2012 - 2/20/2012	Beta	1.94E-02	1.50E-03	3.38E-03
		I-131	<5.73E-03	0.00E+00	5.73E-03
		Cs-134	<7.62E-03	0.00E+00	7.62E-03
		Cs-137	<8.18E-03	0.00E+00	8.18E-03
		Be-7	7.21E-02	3.10E-02	5.32E-02
		K-40	2.70E-01	5.01E-02	6.79E-02
Sample ID: 230732	Sample Dates: 2/20/2012 - 2/27/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.77E-02	1.40E-03	3.07E-03
		I-131	<5.57E-03	0.00E+00	5.57E-03
		Cs-134	<6.04E-03	0.00E+00	6.04E-03
		Cs-137	<7.44E-03	0.00E+00	7.44E-03
		Be-7	9.97E-02	3.59E-02	6.00E-02
Sample ID: 230941	Sample Dates: 2/27/2012 - 3/5/2012	K-40	2.75E-01	5.02E-02	9.50E-02
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.78E-02	1.39E-03	3.01E-03
		I-131	<6.66E-03	0.00E+00	6.66E-03
		Cs-134	<8.72E-03	0.00E+00	8.72E-03
		Cs-137	<7.11E-03	0.00E+00	7.11E-03
		Be-7	1.42E-01	3.01E-02	5.25E-02
		K-40	2.65E-01	6.50E-02	1.45E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	7.49E-03	1.23E-03	3.50E-03
		I-131	<7.58E-03	0.00E+00	7.58E-03
		Cs-134	<5.39E-03	0.00E+00	5.39E-03
		Cs-137	<4.81E-03	0.00E+00	4.81E-03
		Be-7	1.11E-01	3.39E-02	5.69E-02
		K-40	1.64E-01	5.54E-02	2.69E-02
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	7.49E-03	1.23E-03	3.50E-03
		I-131	<7.58E-03	0.00E+00	7.58E-03
		Cs-134	<5.39E-03	0.00E+00	5.39E-03
		Cs-137	<4.81E-03	0.00E+00	4.81E-03
		Be-7	1.11E-01	3.39E-02	5.69E-02
		K-40	1.64E-01	5.54E-02	2.69E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m³

Sample Point 074 [INDICATOR - NNW @ 2.36 miles]

Sample ID: 231651	Sample Dates: 3/5/2012 - 3/12/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.32E-02	1.37E-03	3.43E-03
		I-131	<1.66E-02	0.00E+00	1.66E-02
		Cs-134	<1.70E-02	0.00E+00	1.70E-02
		Cs-137	<2.24E-02	0.00E+00	2.24E-02
		Be-7	2.43E-01	6.94E-02	1.47E-01
Sample ID: 232465	Sample Dates: 3/12/2012 - 3/19/2012	K-40	<4.28E-01	0.00E+00	4.28E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.67E-02	1.43E-03	3.36E-03
		I-131	<7.24E-03	0.00E+00	7.24E-03
		Cs-134	<8.41E-03	0.00E+00	8.41E-03
		Cs-137	<9.30E-03	0.00E+00	9.30E-03
Sample ID: 233305	Sample Dates: 3/19/2012 - 3/26/2012	Be-7	1.78E-01	3.30E-02	5.18E-02
		K-40	1.60E-01	5.17E-02	1.16E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	9.50E-03	1.24E-03	3.32E-03
		I-131	<6.09E-03	0.00E+00	6.09E-03
		Cs-134	<7.49E-03	0.00E+00	7.49E-03
Sample ID: 233546	Sample Dates: 3/26/2012 - 4/2/2012	Cs-137	<6.76E-03	0.00E+00	6.76E-03
		Be-7	1.34E-01	2.72E-02	4.89E-02
		K-40	2.42E-01	6.69E-02	1.09E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.14E-02	1.46E-03	3.00E-03
		I-131	<1.69E-02	0.00E+00	1.69E-02
Sample ID: 234464	Sample Dates: 4/2/2012 - 4/9/2012	Cs-134	<2.21E-02	0.00E+00	2.21E-02
		Cs-137	<1.33E-02	0.00E+00	1.33E-02
		Be-7	2.08E-01	6.00E-02	1.59E-01
		K-40	<3.82E-01	0.00E+00	3.82E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.01E-02	1.55E-03	3.53E-03
Sample ID: 234892	Sample Dates: 4/9/2012 - 4/16/2012	I-131	<9.05E-03	0.00E+00	9.05E-03
		Cs-134	<6.39E-03	0.00E+00	6.39E-03
		Cs-137	<7.72E-03	0.00E+00	7.72E-03
		Be-7	2.35E-01	3.50E-02	6.33E-02
		K-40	1.20E-01	5.74E-02	9.98E-02
		Nuclide	Activity	1 Sigma Error	LLD
Sample ID: 235214	Sample Dates: 4/16/2012 - 4/23/2012	Beta	1.53E-02	1.46E-03	3.63E-03
		I-131	<1.35E-02	0.00E+00	1.35E-02
		Cs-134	<1.88E-02	0.00E+00	1.88E-02
		Cs-137	<2.14E-02	0.00E+00	2.14E-02
		Be-7	1.17E-01	5.56E-02	1.70E-01
		K-40	<4.45E-01	0.00E+00	4.45E-01
Sample ID: 235399	Sample Dates: 4/23/2012 - 4/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.63E-02	1.36E-03	3.07E-03
		I-131	<1.79E-02	0.00E+00	1.79E-02
		Cs-134	<1.66E-02	0.00E+00	1.66E-02
		Cs-137	<1.53E-02	0.00E+00	1.53E-02
		Be-7	1.46E-01	5.29E-02	9.52E-02
Sample ID: 235737	Sample Dates: 4/30/2012 - 5/7/2012	K-40	<3.91E-01	0.00E+00	3.91E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.27E-02	1.55E-03	3.32E-03
		I-131	<1.74E-02	0.00E+00	1.74E-02
		Cs-134	<1.63E-02	0.00E+00	1.63E-02
		Cs-137	<2.34E-02	0.00E+00	2.34E-02
		Be-7	2.33E-01	4.87E-02	1.32E-01
		K-40	<5.21E-01	0.00E+00	5.21E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	9.00E-03	1.23E-03	3.30E-03
		I-131	<6.60E-03	0.00E+00	6.60E-03
		Cs-134	<8.78E-03	0.00E+00	8.78E-03
		Cs-137	<7.96E-03	0.00E+00	7.96E-03
		Be-7	9.17E-02	2.45E-02	5.33E-02
		K-40	2.47E-01	6.41E-02	1.16E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.67E-02	1.43E-03	3.36E-03
		I-131	<7.24E-03	0.00E+00	7.24E-03
		Cs-134	<8.41E-03	0.00E+00	8.41E-03
		Cs-137	<9.30E-03	0.00E+00	9.30E-03
		Be-7	1.78E-01	3.30E-02	5.18E-02
		K-40	1.60E-01	5.17E-02	1.16E-01



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 074 [INDICATOR - NNW @ 2.36 miles]

Sample ID: 235983	Sample Dates: 5/7/2012 - 5/14/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.55E-02	1.36E-03	3.13E-03
		I-131	<1.66E-02	0.00E+00	1.66E-02
		Cs-134	<1.56E-02	0.00E+00	1.56E-02
		Cs-137	<2.05E-02	0.00E+00	2.05E-02
		Be-7	<2.26E-01	0.00E+00	2.26E-01
		K-40	<4.20E-01	0.00E+00	4.20E-01
Sample ID: 236193	Sample Dates: 5/14/2012 - 5/21/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.78E-02	1.50E-03	3.60E-03
		I-131	<2.20E-02	0.00E+00	2.20E-02
		Cs-134	<1.93E-02	0.00E+00	1.93E-02
		Cs-137	<2.32E-02	0.00E+00	2.32E-02
		Be-7	1.71E-01	5.22E-02	1.23E-01
		K-40	<2.77E-01	0.00E+00	2.77E-01
Sample ID: 236506	Sample Dates: 5/21/2012 - 5/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.33E-02	1.13E-03	2.54E-03
		I-131	<1.48E-02	0.00E+00	1.48E-02
		Cs-134	<1.56E-02	0.00E+00	1.56E-02
		Cs-137	<1.44E-02	0.00E+00	1.44E-02
		Be-7	8.02E-02	2.67E-02	1.24E-01
		K-40	<4.06E-01	0.00E+00	4.06E-01
Sample ID: 236805	Sample Dates: 5/29/2012 - 6/4/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.15E-02	1.49E-03	3.95E-03
		I-131	<5.11E-03	0.00E+00	5.11E-03
		Cs-134	<5.54E-03	0.00E+00	5.54E-03
		Cs-137	<5.18E-03	0.00E+00	5.18E-03
		Be-7	1.04E-01	2.48E-02	3.63E-02
		K-40	3.60E-01	4.84E-02	3.98E-02
Sample ID: 237131	Sample Dates: 6/4/2012 - 6/11/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.86E-02	1.45E-03	3.24E-03
		I-131	<1.20E-02	0.00E+00	1.20E-02
		Cs-134	<1.48E-02	0.00E+00	1.48E-02
		Cs-137	<2.18E-02	0.00E+00	2.18E-02
		Be-7	1.52E-01	7.30E-02	1.84E-01
		K-40	<4.92E-01	0.00E+00	4.92E-01
Sample ID: 237306	Sample Dates: 6/11/2012 - 6/18/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.97E-02	1.45E-03	3.08E-03
		I-131	<1.65E-02	0.00E+00	1.65E-02
		Cs-134	<1.43E-02	0.00E+00	1.43E-02
		Cs-137	<1.53E-02	0.00E+00	1.53E-02
		Be-7	1.16E-01	4.30E-02	1.71E-01
		K-40	<3.92E-01	0.00E+00	3.92E-01
Sample ID: 237982	Sample Dates: 6/18/2012 - 6/25/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.05E-02	1.43E-03	2.97E-03
		I-131	<1.66E-02	0.00E+00	1.66E-02
		Cs-134	<2.09E-02	0.00E+00	2.09E-02
		Cs-137	<1.88E-02	0.00E+00	1.88E-02
		Be-7	1.51E-01	3.91E-02	1.19E-01
		K-40	<3.81E-01	0.00E+00	3.81E-01
Sample ID: 238734	Sample Dates: 6/25/2012 - 7/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.21E-02	1.60E-03	3.52E-03
		I-131	<1.72E-02	0.00E+00	1.72E-02
		Cs-134	<1.75E-02	0.00E+00	1.75E-02
		Cs-137	<1.98E-02	0.00E+00	1.98E-02
		Be-7	2.85E-01	6.63E-02	1.13E-01
		K-40	<4.12E-01	0.00E+00	4.12E-01
Sample ID: 239111	Sample Dates: 7/2/2012 - 7/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.84E-02	1.44E-03	3.21E-03
		I-131	<6.58E-03	0.00E+00	6.58E-03
		Cs-134	<7.29E-03	0.00E+00	7.29E-03
		Cs-137	<8.72E-03	0.00E+00	8.72E-03
		Be-7	9.47E-02	3.51E-02	5.81E-02
		K-40	3.22E-01	5.44E-02	2.48E-02

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 074 [INDICATOR - NNW @ 2.36 miles]

Sample ID: 239883	Sample Dates: 7/9/2012 - 7/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.05E-02	1.20E-03	3.01E-03
		I-131	<1.99E-02	0.00E+00	1.99E-02
		Cs-134	<1.84E-02	0.00E+00	1.84E-02
		Cs-137	<2.14E-02	0.00E+00	2.14E-02
		Be-7	1.01E-01	5.46E-02	1.63E-01
		K-40	<4.18E-01	0.00E+00	4.18E-01
Sample ID: 240007	Sample Dates: 7/16/2012 - 7/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.07E-02	1.27E-03	3.32E-03
		I-131	<6.07E-03	0.00E+00	6.07E-03
		Cs-134	<6.78E-03	0.00E+00	6.78E-03
		Cs-137	<9.60E-03	0.00E+00	9.60E-03
		Be-7	8.80E-02	2.65E-02	4.29E-02
		K-40	2.83E-01	6.23E-02	6.55E-02
Sample ID: 240329	Sample Dates: 7/23/2012 - 7/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.44E-02	1.35E-03	3.19E-03
		I-131	<1.70E-02	0.00E+00	1.70E-02
		Cs-134	<2.35E-02	0.00E+00	2.35E-02
		Cs-137	<2.19E-02	0.00E+00	2.19E-02
		Be-7	<1.97E-01	0.00E+00	1.97E-01
		K-40	<3.64E-01	0.00E+00	3.64E-01
Sample ID: 240964	Sample Dates: 7/30/2012 - 8/6/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.08E-02	1.46E-03	3.04E-03
		I-131	<1.49E-02	0.00E+00	1.49E-02
		Cs-134	<1.86E-02	0.00E+00	1.86E-02
		Cs-137	<2.64E-02	0.00E+00	2.64E-02
		Be-7	<1.94E-01	0.00E+00	1.94E-01
		K-40	<3.55E-01	0.00E+00	3.55E-01
Sample ID: 241235	Sample Dates: 8/6/2012 - 8/13/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.55E-02	1.37E-03	3.22E-03
		I-131	<2.10E-02	0.00E+00	2.10E-02
		Cs-134	<2.35E-02	0.00E+00	2.35E-02
		Cs-137	<1.50E-02	0.00E+00	1.50E-02
		Be-7	<2.29E-01	0.00E+00	2.29E-01
		K-40	<4.03E-01	0.00E+00	4.03E-01
Sample ID: 241542	Sample Dates: 8/13/2012 - 8/20/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.39E-02	1.53E-03	3.10E-03
		I-131	<5.24E-03	0.00E+00	5.24E-03
		Cs-134	<7.38E-03	0.00E+00	7.38E-03
		Cs-137	<8.25E-03	0.00E+00	8.25E-03
		Be-7	1.51E-01	3.22E-02	5.47E-02
		K-40	2.78E-01	5.85E-02	6.84E-02
Sample ID: 242131	Sample Dates: 8/20/2012 - 8/27/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	3.19E-02	1.76E-03	3.37E-03
		I-131	<1.52E-02	0.00E+00	1.52E-02
		Cs-134	<2.43E-02	0.00E+00	2.43E-02
		Cs-137	<2.01E-02	0.00E+00	2.01E-02
		Be-7	2.04E-01	6.10E-02	1.76E-01
		K-40	<3.94E-01	0.00E+00	3.94E-01
Sample ID: 242460	Sample Dates: 8/27/2012 - 9/4/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.19E-02	1.21E-03	3.04E-03
		I-131	<7.18E-03	0.00E+00	7.18E-03
		Cs-134	<3.95E-03	0.00E+00	3.95E-03
		Cs-137	<6.73E-03	0.00E+00	6.73E-03
		Be-7	5.04E-02	1.99E-02	5.04E-02
		K-40	1.43E-01	4.30E-02	7.80E-02
Sample ID: 242987	Sample Dates: 9/4/2012 - 9/10/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.37E-02	1.53E-03	3.95E-03
		I-131	<6.91E-03	0.00E+00	6.91E-03
		Cs-134	<7.47E-03	0.00E+00	7.47E-03
		Cs-137	<1.17E-02	0.00E+00	1.17E-02
		Be-7	2.02E-01	4.26E-02	7.61E-02
		K-40	<5.52E-02	0.00E+00	5.52E-02

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 074 [INDICATOR - NNW @ 2.36 miles]

Sample ID:	243745	Sample Dates:	9/10/2012 - 9/17/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.39E-02	1.59E-03	3.39E-03
				I-131	<1.29E-02	0.00E+00	1.29E-02
				Cs-134	<1.68E-02	0.00E+00	1.68E-02
				Cs-137	<1.72E-02	0.00E+00	1.72E-02
				Be-7	2.42E-01	4.95E-02	1.76E-01
				K-40	4.37E-01	1.13E-01	7.87E-02

Sample Point 077 [INDICATOR - SW @ 1 miles]

Sample ID:	227184	Sample Dates:	1/3/2012 - 1/9/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.81E-02	1.59E-03	3.71E-03
				I-131	<1.03E-02	0.00E+00	1.03E-02
				Cs-134	<8.59E-03	0.00E+00	8.59E-03
				Cs-137	<1.18E-02	0.00E+00	1.18E-02
				Be-7	1.74E-01	3.81E-02	8.42E-02
				K-40	<2.91E-01	0.00E+00	2.91E-01

Sample ID:	227318	Sample Dates:	1/9/2012 - 1/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.78E-02	1.41E-03	3.09E-03
				I-131	<4.85E-03	0.00E+00	4.85E-03
				Cs-134	<3.72E-03	0.00E+00	3.72E-03
				Cs-137	<7.83E-03	0.00E+00	7.83E-03
				Be-7	1.64E-01	2.34E-02	4.78E-02
				K-40	<1.82E-01	0.00E+00	1.82E-01

Sample ID:	227532	Sample Dates:	1/16/2012 - 1/23/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.36E-02	1.54E-03	3.14E-03
				I-131	<7.44E-03	0.00E+00	7.44E-03
				Cs-134	<7.89E-03	0.00E+00	7.89E-03
				Cs-137	<7.90E-03	0.00E+00	7.90E-03
				Be-7	1.14E-01	2.73E-02	5.83E-02
				K-40	<2.32E-01	0.00E+00	2.32E-01

Sample ID:	227854	Sample Dates:	1/23/2012 - 1/30/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.24E-02	1.36E-03	3.52E-03
				I-131	<7.23E-03	0.00E+00	7.23E-03
				Cs-134	<5.75E-03	0.00E+00	5.75E-03
				Cs-137	<9.16E-03	0.00E+00	9.16E-03
				Be-7	1.59E-01	2.75E-02	5.16E-02
				K-40	1.04E-01	3.31E-02	9.05E-02

Sample ID:	228121	Sample Dates:	1/30/2012 - 2/6/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.82E-02	1.46E-03	3.39E-03
				I-131	<7.88E-03	0.00E+00	7.88E-03
				Cs-134	<7.60E-03	0.00E+00	7.60E-03
				Cs-137	<1.05E-02	0.00E+00	1.05E-02
				Be-7	1.04E-01	3.26E-02	6.02E-02
				K-40	<1.52E-01	0.00E+00	1.52E-01

Sample ID:	229432	Sample Dates:	2/6/2012 - 2/13/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.20E-02	1.54E-03	3.33E-03
				I-131	<7.68E-03	0.00E+00	7.68E-03
				Cs-134	<7.16E-03	0.00E+00	7.16E-03
				Cs-137	<8.11E-03	0.00E+00	8.11E-03
				Be-7	1.06E-01	2.50E-02	6.10E-02
				K-40	1.08E-01	4.30E-02	1.06E-01

Sample ID:	230058	Sample Dates:	2/13/2012 - 2/20/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.82E-02	1.41E-03	3.06E-03
				I-131	<6.80E-03	0.00E+00	6.80E-03
				Cs-134	<5.96E-03	0.00E+00	5.96E-03
				Cs-137	<6.69E-03	0.00E+00	6.69E-03
				Be-7	1.28E-01	3.39E-02	5.22E-02
				K-40	3.02E-01	5.51E-02	1.47E-01

Sample ID:	230733	Sample Dates:	2/20/2012 - 2/27/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.64E-02	1.35E-03	3.01E-03
				I-131	<8.85E-03	0.00E+00	8.85E-03
				Cs-134	<8.05E-03	0.00E+00	8.05E-03
				Cs-137	<9.13E-03	0.00E+00	9.13E-03
				Be-7	1.30E-01	2.60E-02	7.50E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 077 [INDICATOR - SW @ 1 miles]

Sample ID:	230733	Sample Dates:	2/20/2012 - 2/27/2012	Nuclide	Activity	1 Sigma Error	LLD
				K-40	<1.18E-01	0.00E+00	1.18E-01
Sample ID:	230942	Sample Dates:	2/27/2012 - 3/5/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.48E-02	1.41E-03	3.50E-03
				I-131	<6.75E-03	0.00E+00	6.75E-03
				Cs-134	<6.39E-03	0.00E+00	6.39E-03
				Cs-137	<1.02E-02	0.00E+00	1.02E-02
				Be-7	1.71E-01	3.33E-02	5.30E-02
				K-40	<1.33E-01	0.00E+00	1.33E-01
Sample ID:	231652	Sample Dates:	3/5/2012 - 3/12/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.47E-02	1.41E-03	3.43E-03
				I-131	<8.50E-03	0.00E+00	8.50E-03
				Cs-134	<8.82E-03	0.00E+00	8.82E-03
				Cs-137	<9.14E-03	0.00E+00	9.14E-03
				Be-7	2.06E-01	3.33E-02	5.74E-02
				K-40	<1.37E-01	0.00E+00	1.37E-01
Sample ID:	232466	Sample Dates:	3/12/2012 - 3/19/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.48E-02	1.38E-03	3.35E-03
				I-131	<5.34E-03	0.00E+00	5.34E-03
				Cs-134	<2.88E-03	0.00E+00	2.88E-03
				Cs-137	<7.66E-03	0.00E+00	7.66E-03
				Be-7	1.61E-01	2.55E-02	4.98E-02
				K-40	2.55E-01	4.82E-02	6.86E-02
Sample ID:	233306	Sample Dates:	3/19/2012 - 3/26/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.80E-02	1.45E-03	3.33E-03
				I-131	<5.83E-03	0.00E+00	5.83E-03
				Cs-134	<9.69E-03	0.00E+00	9.69E-03
				Cs-137	<7.70E-03	0.00E+00	7.70E-03
				Be-7	1.52E-01	3.26E-02	4.54E-02
				K-40	<2.53E-01	0.00E+00	2.53E-01
Sample ID:	233547	Sample Dates:	3/26/2012 - 4/2/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.08E-02	1.45E-03	3.00E-03
				I-131	<1.80E-02	0.00E+00	1.80E-02
				Cs-134	<1.26E-02	0.00E+00	1.26E-02
				Cs-137	<1.18E-02	0.00E+00	1.18E-02
				Be-7	2.13E-01	5.57E-02	1.59E-01
				K-40	<3.14E-01	0.00E+00	3.14E-01
Sample ID:	234465	Sample Dates:	4/2/2012 - 4/9/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.67E-02	1.48E-03	3.53E-03
				I-131	<6.33E-03	0.00E+00	6.33E-03
				Cs-134	<4.51E-03	0.00E+00	4.51E-03
				Cs-137	<8.04E-03	0.00E+00	8.04E-03
				Be-7	1.59E-01	2.68E-02	4.95E-02
				K-40	<2.20E-01	0.00E+00	2.20E-01
Sample ID:	234893	Sample Dates:	4/9/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.79E-02	1.51E-03	3.61E-03
				I-131	<2.15E-02	0.00E+00	2.15E-02
				Cs-134	<2.00E-02	0.00E+00	2.00E-02
				Cs-137	<1.51E-02	0.00E+00	1.51E-02
				Be-7	1.59E-01	6.37E-02	1.23E-01
				K-40	<4.17E-01	0.00E+00	4.17E-01
Sample ID:	235215	Sample Dates:	4/16/2012 - 4/23/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.77E-02	1.40E-03	3.06E-03
				I-131	<1.45E-02	0.00E+00	1.45E-02
				Cs-134	<1.49E-02	0.00E+00	1.49E-02
				Cs-137	<1.24E-02	0.00E+00	1.24E-02
				Be-7	1.39E-01	5.74E-02	1.32E-01
				K-40	<3.91E-01	0.00E+00	3.91E-01
Sample ID:	235400	Sample Dates:	4/23/2012 - 4/30/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.30E-02	1.56E-03	3.34E-03
				I-131	<5.25E-03	0.00E+00	5.25E-03
				Cs-134	<6.01E-03	0.00E+00	6.01E-03
				Cs-137	<7.50E-03	0.00E+00	7.50E-03
				Be-7	2.10E-01	3.64E-02	5.75E-02

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 077 [INDICATOR - SW @ 1 miles]

Sample ID:	235400	Sample Dates:	4/23/2012 - 4/30/2012	Nuclide	Activity	1 Sigma Error	LLD
				K-40	2.98E-01	5.20E-02	2.44E-02
Sample ID:	235738	Sample Dates:	4/30/2012 - 5/7/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.75E-02	1.44E-03	3.28E-03
				I-131	<5.24E-03	0.00E+00	5.24E-03
				Cs-134	<8.30E-03	0.00E+00	8.30E-03
				Cs-137	<5.57E-03	0.00E+00	5.57E-03
				Be-7	1.93E-01	2.90E-02	6.34E-02
				K-40	2.65E-01	5.20E-02	7.32E-02
Sample ID:	235984	Sample Dates:	5/7/2012 - 5/14/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.56E-02	1.36E-03	3.14E-03
				I-131	<8.15E-03	0.00E+00	8.15E-03
				Cs-134	<8.17E-03	0.00E+00	8.17E-03
				Cs-137	<7.55E-03	0.00E+00	7.55E-03
				Be-7	1.60E-01	2.72E-02	4.95E-02
				K-40	1.96E-01	5.50E-02	9.13E-02
Sample ID:	236194	Sample Dates:	5/14/2012 - 5/21/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.83E-02	1.51E-03	3.59E-03
				I-131	<8.33E-03	0.00E+00	8.33E-03
				Cs-134	<9.90E-03	0.00E+00	9.90E-03
				Cs-137	<7.90E-03	0.00E+00	7.90E-03
				Be-7	1.64E-01	3.78E-02	7.75E-02
				K-40	<2.62E-01	0.00E+00	2.62E-01
Sample ID:	236507	Sample Dates:	5/21/2012 - 5/29/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.08E-02	1.31E-03	2.55E-03
				I-131	<4.75E-03	0.00E+00	4.75E-03
				Cs-134	<5.88E-03	0.00E+00	5.88E-03
				Cs-137	<1.13E-02	0.00E+00	1.13E-02
				Be-7	1.73E-01	3.71E-02	5.39E-02
				K-40	<2.09E-01	0.00E+00	2.09E-01
Sample ID:	236806	Sample Dates:	5/29/2012 - 6/4/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.59E-02	1.60E-03	3.97E-03
				I-131	<1.28E-02	0.00E+00	1.28E-02
				Cs-134	<6.49E-03	0.00E+00	6.49E-03
				Cs-137	<1.14E-02	0.00E+00	1.14E-02
				Be-7	<1.86E-01	0.00E+00	1.86E-01
				K-40	<2.91E-01	0.00E+00	2.91E-01
Sample ID:	237132	Sample Dates:	6/4/2012 - 6/11/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.62E-02	1.39E-03	3.24E-03
				I-131	<7.70E-03	0.00E+00	7.70E-03
				Cs-134	<8.42E-03	0.00E+00	8.42E-03
				Cs-137	<9.37E-03	0.00E+00	9.37E-03
				Be-7	9.88E-02	3.29E-02	7.25E-02
				K-40	<1.84E-01	0.00E+00	1.84E-01
Sample ID:	237307	Sample Dates:	6/11/2012 - 6/18/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.70E-02	1.38E-03	3.07E-03
				I-131	<7.70E-03	0.00E+00	7.70E-03
				Cs-134	<9.65E-03	0.00E+00	9.65E-03
				Cs-137	<1.22E-02	0.00E+00	1.22E-02
				Be-7	1.87E-01	3.47E-02	6.38E-02
				K-40	<2.57E-01	0.00E+00	2.57E-01
Sample ID:	237983	Sample Dates:	6/18/2012 - 6/25/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.52E-02	1.54E-03	2.97E-03
				I-131	<6.58E-03	0.00E+00	6.58E-03
				Cs-134	<7.73E-03	0.00E+00	7.73E-03
				Cs-137	<1.50E-02	0.00E+00	1.50E-02
				Be-7	2.55E-01	4.51E-02	7.60E-02
				K-40	<2.21E-01	0.00E+00	2.21E-01
Sample ID:	238735	Sample Dates:	6/25/2012 - 7/2/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	3.06E-02	1.78E-03	3.52E-03
				I-131	<1.36E-02	0.00E+00	1.36E-02
				Cs-134	<1.32E-02	0.00E+00	1.32E-02
				Cs-137	<1.47E-02	0.00E+00	1.47E-02
				Be-7	<2.48E-01	0.00E+00	2.48E-01



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 077 [INDICATOR - SW @ 1 miles]

Sample ID:	238735	Sample Dates:	6/25/2012 - 7/2/2012	Nuclide	Activity	1 Sigma Error	LLD
				K-40	<4.00E-01	0.00E+00	4.00E-01
Sample ID:	239112	Sample Dates:	7/2/2012 - 7/9/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.82E-02	1.66E-03	3.22E-03
				I-131	<7.60E-03	0.00E+00	7.60E-03
				Cs-134	<7.44E-03	0.00E+00	7.44E-03
				Cs-137	<9.47E-03	0.00E+00	9.47E-03
				Be-7	2.25E-01	3.32E-02	5.18E-02
				K-40	2.53E-01	5.06E-02	7.69E-02
Sample ID:	239884	Sample Dates:	7/9/2012 - 7/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.12E-02	1.23E-03	3.06E-03
				I-131	<1.37E-02	0.00E+00	1.37E-02
				Cs-134	<2.19E-02	0.00E+00	2.19E-02
				Cs-137	<1.97E-02	0.00E+00	1.97E-02
				Be-7	1.10E-01	5.27E-02	1.51E-01
				K-40	<4.25E-01	0.00E+00	4.25E-01
Sample ID:	240008	Sample Dates:	7/16/2012 - 7/23/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.31E-02	1.33E-03	3.32E-03
				I-131	<8.31E-03	0.00E+00	8.31E-03
				Cs-134	<7.50E-03	0.00E+00	7.50E-03
				Cs-137	<7.34E-03	0.00E+00	7.34E-03
				Be-7	6.44E-02	3.02E-02	5.36E-02
				K-40	<2.33E-01	0.00E+00	2.33E-01
Sample ID:	240330	Sample Dates:	7/23/2012 - 7/30/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.12E-02	1.51E-03	3.20E-03
				I-131	<2.22E-02	0.00E+00	2.22E-02
				Cs-134	<2.13E-02	0.00E+00	2.13E-02
				Cs-137	<1.85E-02	0.00E+00	1.85E-02
				Be-7	8.97E-02	4.49E-02	1.83E-01
				K-40	<4.93E-01	0.00E+00	4.93E-01
Sample ID:	240965	Sample Dates:	7/30/2012 - 8/6/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.47E-02	1.55E-03	3.05E-03
				I-131	<1.69E-02	0.00E+00	1.69E-02
				Cs-134	<1.02E-02	0.00E+00	1.02E-02
				Cs-137	<1.85E-02	0.00E+00	1.85E-02
				Be-7	1.87E-01	5.07E-02	1.71E-01
				K-40	<4.19E-01	0.00E+00	4.19E-01
Sample ID:	241236	Sample Dates:	8/6/2012 - 8/13/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.48E-02	1.35E-03	3.21E-03
				I-131	<7.24E-03	0.00E+00	7.24E-03
				Cs-134	<7.10E-03	0.00E+00	7.10E-03
				Cs-137	<8.58E-03	0.00E+00	8.58E-03
				Be-7	1.48E-01	3.39E-02	5.65E-02
				K-40	<2.01E-01	0.00E+00	2.01E-01
Sample ID:	241543	Sample Dates:	8/13/2012 - 8/20/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.56E-02	1.56E-03	3.10E-03
				I-131	<8.87E-03	0.00E+00	8.87E-03
				Cs-134	<8.09E-03	0.00E+00	8.09E-03
				Cs-137	<1.19E-02	0.00E+00	1.19E-02
				Be-7	1.75E-01	3.45E-02	6.17E-02
				K-40	<2.68E-01	0.00E+00	2.68E-01
Sample ID:	242132	Sample Dates:	8/20/2012 - 8/27/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	3.49E-02	1.82E-03	3.38E-03
				I-131	<6.78E-03	0.00E+00	6.78E-03
				Cs-134	<6.32E-03	0.00E+00	6.32E-03
				Cs-137	<1.06E-02	0.00E+00	1.06E-02
				Be-7	1.39E-01	3.62E-02	5.74E-02
				K-40	<2.40E-01	0.00E+00	2.40E-01
Sample ID:	242461	Sample Dates:	8/27/2012 - 9/4/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.12E-02	1.19E-03	3.03E-03
				I-131	<1.54E-02	0.00E+00	1.54E-02
				Cs-134	<1.53E-02	0.00E+00	1.53E-02
				Cs-137	<1.86E-02	0.00E+00	1.86E-02
				Be-7	1.28E-01	3.41E-02	9.83E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 077 [INDICATOR - SW @ 1 miles]

Sample ID:	242461	Sample Dates:	8/27/2012 - 9/4/2012	Nuclide	Activity	1 Sigma Error	LLD
				K-40	<3.89E-01	0.00E+00	3.89E-01
Sample ID:	242988	Sample Dates:	9/4/2012 - 9/10/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.79E-02	1.64E-03	3.96E-03
				I-131	<7.78E-03	0.00E+00	7.78E-03
				Cs-134	<8.68E-03	0.00E+00	8.68E-03
				Cs-137	<9.42E-03	0.00E+00	9.42E-03
				Be-7	1.64E-01	3.41E-02	5.85E-02
				K-40	<2.73E-01	0.00E+00	2.73E-01
Sample ID:	243746	Sample Dates:	9/10/2012 - 9/17/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.59E-02	1.63E-03	3.39E-03
				I-131	<4.67E-03	0.00E+00	4.67E-03
				Cs-134	<6.41E-03	0.00E+00	6.41E-03
				Cs-137	<2.20E-03	0.00E+00	2.20E-03
				Be-7	2.12E-01	3.52E-02	4.87E-02
				K-40	<1.91E-01	0.00E+00	1.91E-01
Sample ID:	244151	Sample Dates:	9/17/2012 - 9/24/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.51E-02	1.57E-03	3.10E-03
				I-131	<2.23E-02	0.00E+00	2.23E-02
				Cs-134	<1.54E-02	0.00E+00	1.54E-02
				Cs-137	<3.32E-02	0.00E+00	3.32E-02
				Be-7	1.15E-01	4.27E-02	9.55E-02
				K-40	<4.48E-01	0.00E+00	4.48E-01
Sample ID:	245022	Sample Dates:	9/24/2012 - 10/1/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.89E-02	1.69E-03	3.34E-03
				I-131	<2.02E-02	0.00E+00	2.02E-02
				Cs-134	<1.63E-02	0.00E+00	1.63E-02
				Cs-137	<1.40E-02	0.00E+00	1.40E-02
				Be-7	1.97E-01	5.28E-02	1.78E-01
				K-40	<3.84E-01	0.00E+00	3.84E-01
Sample ID:	245842	Sample Dates:	10/1/2012 - 10/8/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.54E-02	1.61E-03	3.26E-03
				I-131	<2.10E-02	0.00E+00	2.10E-02
				Cs-134	<2.11E-02	0.00E+00	2.11E-02
				Cs-137	<2.09E-02	0.00E+00	2.09E-02
				Be-7	1.57E-01	5.06E-02	8.87E-02
				K-40	<5.36E-01	0.00E+00	5.36E-01
Sample ID:	246697	Sample Dates:	10/8/2012 - 10/15/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.83E-02	1.65E-03	3.20E-03
				I-131	<1.87E-02	0.00E+00	1.87E-02
				Cs-134	<2.35E-02	0.00E+00	2.35E-02
				Cs-137	<2.11E-02	0.00E+00	2.11E-02
				Be-7	1.40E-01	6.82E-02	1.47E-01
				K-40	<3.53E-01	0.00E+00	3.53E-01
Sample ID:	247105	Sample Dates:	10/15/2012 - 10/22/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.66E-02	1.68E-03	3.56E-03
				I-131	<1.60E-02	0.00E+00	1.60E-02
				Cs-134	<1.72E-02	0.00E+00	1.72E-02
				Cs-137	<1.59E-02	0.00E+00	1.59E-02
				Be-7	1.72E-01	5.27E-02	1.70E-01
				K-40	<4.18E-01	0.00E+00	4.18E-01
Sample ID:	247421	Sample Dates:	10/22/2012 - 10/29/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.95E-02	1.73E-03	3.53E-03
				I-131	<1.63E-02	0.00E+00	1.63E-02
				Cs-134	<1.79E-02	0.00E+00	1.79E-02
				Cs-137	<1.56E-02	0.00E+00	1.56E-02
				Be-7	2.10E-01	6.07E-02	2.77E-02
				K-40	<4.68E-01	0.00E+00	4.68E-01
Sample ID:	247759	Sample Dates:	10/29/2012 - 11/5/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	3.12E-02	1.73E-03	3.31E-03
				I-131	<1.45E-02	0.00E+00	1.45E-02
				Cs-134	<2.54E-02	0.00E+00	2.54E-02
				Cs-137	<2.18E-02	0.00E+00	2.18E-02
				Be-7	1.49E-01	6.92E-02	1.51E-01



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 077 [INDICATOR - SW @ 1 miles]

Sample ID:	247759	Sample Dates:	10/29/2012 - 11/5/2012	Nuclide	Activity	1 Sigma Error	LLD
				K-40	<4.16E-01	0.00E+00	4.16E-01
Sample ID:	247954	Sample Dates:	11/5/2012 - 11/12/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.91E-02	1.67E-03	3.26E-03
				I-131	<1.53E-02	0.00E+00	1.53E-02
				Cs-134	<2.03E-02	0.00E+00	2.03E-02
				Cs-137	<1.61E-02	0.00E+00	1.61E-02
				Be-7	1.82E-01	4.30E-02	1.29E-01
				K-40	<3.14E-01	0.00E+00	3.14E-01
Sample ID:	248358	Sample Dates:	11/12/2012 - 11/19/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.55E-02	1.77E-03	4.13E-03
				I-131	<2.05E-02	0.00E+00	2.05E-02
				Cs-134	<1.80E-02	0.00E+00	1.80E-02
				Cs-137	<1.75E-02	0.00E+00	1.75E-02
				Be-7	<2.56E-01	0.00E+00	2.56E-01
				K-40	2.27E-01	1.15E-01	2.14E-01
Sample ID:	248637	Sample Dates:	11/19/2012 - 11/26/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.75E-02	1.68E-03	3.43E-03
				I-131	<1.20E-02	0.00E+00	1.20E-02
				Cs-134	<2.15E-02	0.00E+00	2.15E-02
				Cs-137	<2.61E-02	0.00E+00	2.61E-02
				Be-7	<1.98E-01	0.00E+00	1.98E-01
				K-40	<3.56E-01	0.00E+00	3.56E-01
Sample ID:	249010	Sample Dates:	11/26/2012 - 12/3/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	3.33E-02	1.75E-03	3.22E-03
				I-131	<1.69E-02	0.00E+00	1.69E-02
				Cs-134	<1.63E-02	0.00E+00	1.63E-02
				Cs-137	<1.33E-02	0.00E+00	1.33E-02
				Be-7	1.40E-01	7.22E-02	1.93E-01
				K-40	<4.88E-01	0.00E+00	4.88E-01
Sample ID:	249249	Sample Dates:	12/3/2012 - 12/10/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.91E-02	1.52E-03	3.56E-03
				I-131	<1.64E-02	0.00E+00	1.64E-02
				Cs-134	<1.64E-02	0.00E+00	1.64E-02
				Cs-137	<2.10E-02	0.00E+00	2.10E-02
				Be-7	1.27E-01	4.06E-02	1.57E-01
				K-40	<4.60E-01	0.00E+00	4.60E-01
Sample ID:	249447	Sample Dates:	12/10/2012 - 12/17/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	3.12E-02	1.76E-03	3.47E-03
				I-131	<1.72E-02	0.00E+00	1.72E-02
				Cs-134	<2.34E-02	0.00E+00	2.34E-02
				Cs-137	<2.16E-02	0.00E+00	2.16E-02
				Be-7	<2.07E-01	0.00E+00	2.07E-01
				K-40	<4.50E-01	0.00E+00	4.50E-01
Sample ID:	249874	Sample Dates:	12/17/2012 - 12/24/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.30E-02	1.54E-03	3.19E-03
				I-131	<2.05E-02	0.00E+00	2.05E-02
				Cs-134	<1.59E-02	0.00E+00	1.59E-02
				Cs-137	<1.89E-02	0.00E+00	1.89E-02
				Be-7	2.33E-01	7.54E-02	1.56E-01
				K-40	<4.15E-01	0.00E+00	4.15E-01
Sample ID:	250181	Sample Dates:	12/24/2012 - 12/31/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.80E-02	1.48E-03	3.47E-03
				I-131	<2.10E-02	0.00E+00	2.10E-02
				Cs-134	<1.84E-02	0.00E+00	1.84E-02
				Cs-137	<1.82E-02	0.00E+00	1.82E-02
				Be-7	<1.88E-01	0.00E+00	1.88E-01
				K-40	<4.00E-01	0.00E+00	4.00E-01

Sample Point 078.1 [INDICATOR - WSW @ 0.53 miles]

Sample ID:	227185	Sample Dates:	1/3/2012 - 1/9/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.85E-02	1.60E-03	3.72E-03
				I-131	<2.20E-02	0.00E+00	2.20E-02
				Cs-134	<1.87E-02	0.00E+00	1.87E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 078.1 [INDICATOR - WSW @ 0.53 miles]

Sample ID: 227185	Sample Dates: 1/3/2012 - 1/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		Cs-137	<2.81E-02	0.00E+00	2.81E-02
		Be-7	1.43E-01	6.94E-02	1.86E-01
		K-40	<5.92E-01	0.00E+00	5.92E-01
Sample ID: 227319	Sample Dates: 1/9/2012 - 1/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.07E-02	1.48E-03	3.09E-03
		I-131	<7.33E-03	0.00E+00	7.33E-03
		Cs-134	<5.79E-03	0.00E+00	5.79E-03
		Cs-137	<1.08E-02	0.00E+00	1.08E-02
		Be-7	1.44E-01	2.82E-02	5.61E-02
Sample ID: 227533	Sample Dates: 1/16/2012 - 1/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.90E-02	1.44E-03	3.14E-03
		I-131	<8.87E-03	0.00E+00	8.87E-03
		Cs-134	<1.05E-02	0.00E+00	1.05E-02
		Cs-137	<7.83E-03	0.00E+00	7.83E-03
		Be-7	1.36E-01	2.72E-02	1.47E-02
Sample ID: 227855	Sample Dates: 1/23/2012 - 1/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.62E-02	1.45E-03	3.52E-03
		I-131	<8.09E-03	0.00E+00	8.09E-03
		Cs-134	<1.18E-02	0.00E+00	1.18E-02
		Cs-137	<8.93E-03	0.00E+00	8.93E-03
		Be-7	1.25E-01	2.61E-02	6.57E-02
Sample ID: 228122	Sample Dates: 1/30/2012 - 2/6/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.92E-02	1.48E-03	3.39E-03
		I-131	<5.48E-03	0.00E+00	5.48E-03
		Cs-134	<8.24E-03	0.00E+00	8.24E-03
		Cs-137	<7.98E-03	0.00E+00	7.98E-03
		Be-7	2.08E-01	3.49E-02	4.70E-02
Sample ID: 229433	Sample Dates: 2/6/2012 - 2/13/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.91E-02	1.50E-03	3.39E-03
		I-131	<5.69E-03	0.00E+00	5.69E-03
		Cs-134	<6.70E-03	0.00E+00	6.70E-03
		Cs-137	<8.86E-03	0.00E+00	8.86E-03
		Be-7	1.66E-01	2.60E-02	4.56E-02
Sample ID: 230059	Sample Dates: 2/13/2012 - 2/20/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.57E-02	1.34E-03	3.06E-03
		I-131	<7.93E-03	0.00E+00	7.93E-03
		Cs-134	<9.11E-03	0.00E+00	9.11E-03
		Cs-137	<6.24E-03	0.00E+00	6.24E-03
		Be-7	9.32E-02	3.36E-02	6.99E-02
Sample ID: 230734	Sample Dates: 2/20/2012 - 2/27/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.60E-02	1.35E-03	3.02E-03
		I-131	<5.04E-03	0.00E+00	5.04E-03
		Cs-134	<5.26E-03	0.00E+00	5.26E-03
		Cs-137	<7.97E-03	0.00E+00	7.97E-03
		Be-7	1.28E-01	2.50E-02	4.34E-02
Sample ID: 230943	Sample Dates: 2/27/2012 - 3/5/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.50E-02	1.42E-03	3.50E-03
		I-131	<5.50E-03	0.00E+00	5.50E-03
		Cs-134	<6.10E-03	0.00E+00	6.10E-03
		Cs-137	<9.60E-03	0.00E+00	9.60E-03
		Be-7	1.51E-01	2.76E-02	5.63E-02
Sample ID: 231653	Sample Dates: 3/5/2012 - 3/12/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.71E-02	1.46E-03	3.43E-03
		I-131	<7.61E-03	0.00E+00	7.61E-03
		Cs-134	<8.50E-03	0.00E+00	8.50E-03



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 078.1 [INDICATOR - WSW @ 0.53 miles]

Sample ID: 231653	Sample Dates: 3/5/2012 - 3/12/2012	Nuclide	Activity	1 Sigma Error	LLD
		Cs-137	<6.17E-03	0.00E+00	6.17E-03
		Be-7	2.15E-01	5.40E-02	8.50E-02
		K-40	1.26E-01	4.80E-02	1.42E-01
Sample ID: 232467	Sample Dates: 3/12/2012 - 3/19/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.46E-02	1.38E-03	3.35E-03
		I-131	<1.60E-02	0.00E+00	1.60E-02
		Cs-134	<2.28E-02	0.00E+00	2.28E-02
		Cs-137	<1.96E-02	0.00E+00	1.96E-02
		Be-7	2.17E-01	6.41E-02	1.47E-01
		K-40	<4.69E-01	0.00E+00	4.69E-01
Sample ID: 233307	Sample Dates: 3/19/2012 - 3/26/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.53E-02	1.39E-03	3.33E-03
		I-131	<4.52E-03	0.00E+00	4.52E-03
		Cs-134	<5.76E-03	0.00E+00	5.76E-03
		Cs-137	<7.82E-03	0.00E+00	7.82E-03
		Be-7	1.68E-01	2.60E-02	3.63E-02
		K-40	<1.37E-01	0.00E+00	1.37E-01
Sample ID: 233548	Sample Dates: 3/26/2012 - 4/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.93E-02	1.42E-03	3.00E-03
		I-131	<6.58E-03	0.00E+00	6.58E-03
		Cs-134	<7.77E-03	0.00E+00	7.77E-03
		Cs-137	<7.69E-03	0.00E+00	7.69E-03
		Be-7	2.00E-01	2.82E-02	5.73E-02
		K-40	<2.19E-01	0.00E+00	2.19E-01
Sample ID: 234466	Sample Dates: 4/2/2012 - 4/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.57E-02	1.45E-03	3.53E-03
		I-131	<6.80E-03	0.00E+00	6.80E-03
		Cs-134	<9.45E-03	0.00E+00	9.45E-03
		Cs-137	<1.02E-02	0.00E+00	1.02E-02
		Be-7	2.05E-01	3.67E-02	6.15E-02
		K-40	<2.14E-01	0.00E+00	2.14E-01
Sample ID: 234894	Sample Dates: 4/9/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.96E-02	1.55E-03	3.63E-03
		I-131	<5.68E-03	0.00E+00	5.68E-03
		Cs-134	<6.26E-03	0.00E+00	6.26E-03
		Cs-137	<8.89E-03	0.00E+00	8.89E-03
		Be-7	2.33E-01	3.51E-02	6.89E-02
		K-40	<1.57E-01	0.00E+00	1.57E-01
Sample ID: 235216	Sample Dates: 4/16/2012 - 4/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.71E-02	1.38E-03	3.06E-03
		I-131	<1.33E-02	0.00E+00	1.33E-02
		Cs-134	<1.47E-02	0.00E+00	1.47E-02
		Cs-137	<1.98E-02	0.00E+00	1.98E-02
		Be-7	1.26E-01	4.41E-02	1.34E-01
		K-40	<4.97E-01	0.00E+00	4.97E-01
Sample ID: 235401	Sample Dates: 4/23/2012 - 4/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.20E-02	1.53E-03	3.32E-03
		I-131	<5.89E-03	0.00E+00	5.89E-03
		Cs-134	<7.02E-03	0.00E+00	7.02E-03
		Cs-137	<8.02E-03	0.00E+00	8.02E-03
		Be-7	2.15E-01	2.99E-02	4.01E-02
		K-40	2.88E-01	5.09E-02	2.43E-02
Sample ID: 235739	Sample Dates: 4/30/2012 - 5/7/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.79E-02	1.49E-03	3.38E-03
		I-131	<7.41E-03	0.00E+00	7.41E-03
		Cs-134	<7.06E-03	0.00E+00	7.06E-03
		Cs-137	<6.68E-03	0.00E+00	6.68E-03
		Be-7	1.91E-01	3.19E-02	4.80E-02
		K-40	<2.32E-01	0.00E+00	2.32E-01
Sample ID: 235985	Sample Dates: 5/7/2012 - 5/14/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.69E-02	1.39E-03	3.13E-03
		I-131	<1.90E-02	0.00E+00	1.90E-02
		Cs-134	<2.13E-02	0.00E+00	2.13E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 078.1 [INDICATOR - WSW @ 0.53 miles]

Sample ID: 235985	Sample Dates: 5/7/2012 - 5/14/2012	Nuclide	Activity	1 Sigma Error	LLD
		Cs-137	<2.04E-02	0.00E+00	2.04E-02
		Be-7	1.26E-01	7.29E-02	1.64E-01
		K-40	<5.40E-01	0.00E+00	5.40E-01
Sample ID: 236195	Sample Dates: 5/14/2012 - 5/21/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.49E-02	1.44E-03	3.60E-03
		I-131	<6.80E-03	0.00E+00	6.80E-03
		Cs-134	<8.67E-03	0.00E+00	8.67E-03
		Cs-137	<1.12E-02	0.00E+00	1.12E-02
		Be-7	1.58E-01	2.97E-02	4.78E-02
		K-40	<1.74E-01	0.00E+00	1.74E-01
Sample ID: 236508	Sample Dates: 5/21/2012 - 5/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.13E-02	1.32E-03	2.55E-03
		I-131	<4.58E-03	0.00E+00	4.58E-03
		Cs-134	<6.69E-03	0.00E+00	6.69E-03
		Cs-137	<9.47E-03	0.00E+00	9.47E-03
		Be-7	1.69E-01	3.16E-02	5.06E-02
		K-40	<1.18E-01	0.00E+00	1.18E-01
Sample ID: 236807	Sample Dates: 5/29/2012 - 6/4/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.61E-02	1.61E-03	3.96E-03
		I-131	<2.14E-02	0.00E+00	2.14E-02
		Cs-134	<2.49E-02	0.00E+00	2.49E-02
		Cs-137	<2.36E-02	0.00E+00	2.36E-02
		Be-7	3.10E-01	7.37E-02	1.86E-01
		K-40	<5.31E-01	0.00E+00	5.31E-01
Sample ID: 237133	Sample Dates: 6/4/2012 - 6/11/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.60E-02	1.38E-03	3.24E-03
		I-131	<6.47E-03	0.00E+00	6.47E-03
		Cs-134	<8.77E-03	0.00E+00	8.77E-03
		Cs-137	<8.91E-03	0.00E+00	8.91E-03
		Be-7	1.52E-01	3.38E-02	5.32E-02
		K-40	<1.34E-01	0.00E+00	1.34E-01
Sample ID: 237308	Sample Dates: 6/11/2012 - 6/18/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.65E-02	1.37E-03	3.07E-03
		I-131	<5.68E-03	0.00E+00	5.68E-03
		Cs-134	<7.25E-03	0.00E+00	7.25E-03
		Cs-137	<1.15E-02	0.00E+00	1.15E-02
		Be-7	1.10E-01	3.44E-02	5.84E-02
		K-40	<1.71E-01	0.00E+00	1.71E-01
Sample ID: 237984	Sample Dates: 6/18/2012 - 6/25/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.53E-02	1.54E-03	2.97E-03
		I-131	<5.89E-03	0.00E+00	5.89E-03
		Cs-134	<6.05E-03	0.00E+00	6.05E-03
		Cs-137	<8.03E-03	0.00E+00	8.03E-03
		Be-7	1.74E-01	3.46E-02	4.72E-02
		K-40	2.64E-01	5.79E-02	9.42E-02
Sample ID: 238736	Sample Dates: 6/25/2012 - 7/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.77E-02	1.71E-03	3.52E-03
		I-131	<9.58E-03	0.00E+00	9.58E-03
		Cs-134	<1.07E-02	0.00E+00	1.07E-02
		Cs-137	<9.66E-03	0.00E+00	9.66E-03
		Be-7	2.40E-01	4.56E-02	8.05E-02
		K-40	<2.48E-01	0.00E+00	2.48E-01
Sample ID: 239113	Sample Dates: 7/2/2012 - 7/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.94E-02	1.68E-03	3.22E-03
		I-131	<6.62E-03	0.00E+00	6.62E-03
		Cs-134	<8.41E-03	0.00E+00	8.41E-03
		Cs-137	<1.20E-02	0.00E+00	1.20E-02
		Be-7	1.84E-01	4.13E-02	6.59E-02
		K-40	<1.54E-01	0.00E+00	1.54E-01
Sample ID: 239885	Sample Dates: 7/9/2012 - 7/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.31E-02	1.28E-03	3.06E-03
		I-131	<6.98E-03	0.00E+00	6.98E-03
		Cs-134	<7.95E-03	0.00E+00	7.95E-03



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 078.1 [INDICATOR - WSW @ 0.53 miles]

Sample ID: 239885	Sample Dates: 7/9/2012 - 7/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		Cs-137	<1.06E-02	0.00E+00	1.06E-02
		Be-7	1.03E-01	4.25E-02	8.47E-02
		K-40	<3.20E-01	0.00E+00	3.20E-01
Sample ID: 240009	Sample Dates: 7/16/2012 - 7/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.32E-02	1.33E-03	3.32E-03
		I-131	<8.16E-03	0.00E+00	8.16E-03
		Cs-134	<4.37E-03	0.00E+00	4.37E-03
		Cs-137	<1.32E-02	0.00E+00	1.32E-02
		Be-7	1.36E-01	3.06E-02	5.86E-02
		K-40	<2.14E-01	0.00E+00	2.14E-01
Sample ID: 240331	Sample Dates: 7/23/2012 - 7/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.94E-02	1.47E-03	3.20E-03
		I-131	<7.81E-03	0.00E+00	7.81E-03
		Cs-134	<6.53E-03	0.00E+00	6.53E-03
		Cs-137	<1.16E-02	0.00E+00	1.16E-02
		Be-7	1.34E-01	3.03E-02	5.81E-02
		K-40	1.84E-01	6.10E-02	1.19E-01
Sample ID: 240966	Sample Dates: 7/30/2012 - 8/6/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.47E-02	1.55E-03	3.05E-03
		I-131	<1.47E-02	0.00E+00	1.47E-02
		Cs-134	<2.07E-02	0.00E+00	2.07E-02
		Cs-137	<1.92E-02	0.00E+00	1.92E-02
		Be-7	2.07E-01	4.62E-02	7.55E-02
		K-40	<3.89E-01	0.00E+00	3.89E-01
Sample ID: 241237	Sample Dates: 8/6/2012 - 8/13/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.36E-02	1.32E-03	3.22E-03
		I-131	<6.74E-03	0.00E+00	6.74E-03
		Cs-134	<9.33E-03	0.00E+00	9.33E-03
		Cs-137	<1.04E-02	0.00E+00	1.04E-02
		Be-7	<9.79E-02	0.00E+00	9.79E-02
		K-40	<2.14E-01	0.00E+00	2.14E-01
Sample ID: 241544	Sample Dates: 8/13/2012 - 8/20/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.96E-02	1.65E-03	3.10E-03
		I-131	<5.44E-03	0.00E+00	5.44E-03
		Cs-134	<6.54E-03	0.00E+00	6.54E-03
		Cs-137	<6.87E-03	0.00E+00	6.87E-03
		Be-7	1.94E-01	2.86E-02	4.79E-02
		K-40	<1.84E-01	0.00E+00	1.84E-01
Sample ID: 242133	Sample Dates: 8/20/2012 - 8/27/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	3.19E-02	1.76E-03	3.37E-03
		I-131	<7.26E-03	0.00E+00	7.26E-03
		Cs-134	<9.32E-03	0.00E+00	9.32E-03
		Cs-137	<1.08E-02	0.00E+00	1.08E-02
		Be-7	2.27E-01	3.96E-02	5.33E-02
		K-40	1.25E-01	5.10E-02	1.05E-01
Sample ID: 242462	Sample Dates: 8/27/2012 - 9/4/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.05E-02	1.18E-03	3.03E-03
		I-131	<6.87E-03	0.00E+00	6.87E-03
		Cs-134	<5.04E-03	0.00E+00	5.04E-03
		Cs-137	<8.02E-03	0.00E+00	8.02E-03
		Be-7	1.08E-01	2.40E-02	4.83E-02
		K-40	1.17E-01	3.38E-02	2.63E-02
Sample ID: 242989	Sample Dates: 9/4/2012 - 9/10/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.66E-02	1.61E-03	3.96E-03
		I-131	<1.99E-02	0.00E+00	1.99E-02
		Cs-134	<1.77E-02	0.00E+00	1.77E-02
		Cs-137	<2.67E-02	0.00E+00	2.67E-02
		Be-7	1.44E-01	4.15E-02	1.27E-01
		K-40	<5.18E-01	0.00E+00	5.18E-01
Sample ID: 243747	Sample Dates: 9/10/2012 - 9/17/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.54E-02	1.62E-03	3.39E-03
		I-131	<8.40E-03	0.00E+00	8.40E-03
		Cs-134	<3.71E-03	0.00E+00	3.71E-03



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 078.1 [INDICATOR - WSW @ 0.53 miles]

Sample ID: 243747	Sample Dates: 9/10/2012 - 9/17/2012	Nuclide	Activity	1 Sigma Error	LLD
		Cs-137	<6.62E-03	0.00E+00	6.62E-03
		Be-7	1.85E-01	3.00E-02	6.00E-02
		K-40	<1.75E-01	0.00E+00	1.75E-01
Sample ID: 244152	Sample Dates: 9/17/2012 - 9/24/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.19E-02	1.50E-03	3.09E-03
		I-131	<4.99E-03	0.00E+00	4.99E-03
		Cs-134	<6.96E-03	0.00E+00	6.96E-03
		Cs-137	<5.15E-03	0.00E+00	5.15E-03
		Be-7	1.61E-01	4.36E-02	6.45E-02
		K-40	<2.13E-01	0.00E+00	2.13E-01
Sample ID: 245023	Sample Dates: 9/24/2012 - 10/1/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	3.11E-02	1.72E-03	3.32E-03
		I-131	<1.76E-02	0.00E+00	1.76E-02
		Cs-134	<9.93E-03	0.00E+00	9.93E-03
		Cs-137	<1.67E-02	0.00E+00	1.67E-02
		Be-7	1.91E-01	6.50E-02	1.08E-01
		K-40	<4.11E-01	0.00E+00	4.11E-01
Sample ID: 245843	Sample Dates: 10/1/2012 - 10/8/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.80E-02	1.67E-03	3.29E-03
		I-131	<4.96E-03	0.00E+00	4.96E-03
		Cs-134	<7.64E-03	0.00E+00	7.64E-03
		Cs-137	<2.26E-03	0.00E+00	2.26E-03
		Be-7	1.47E-01	3.02E-02	6.55E-02
		K-40	<1.64E-01	0.00E+00	1.64E-01
Sample ID: 246698	Sample Dates: 10/8/2012 - 10/15/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.93E-02	1.67E-03	3.19E-03
		I-131	<1.84E-02	0.00E+00	1.84E-02
		Cs-134	<1.91E-02	0.00E+00	1.91E-02
		Cs-137	<1.95E-02	0.00E+00	1.95E-02
		Be-7	1.22E-01	6.53E-02	1.47E-01
		K-40	<4.13E-01	0.00E+00	4.13E-01
Sample ID: 247106	Sample Dates: 10/15/2012 - 10/22/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.37E-02	1.63E-03	3.56E-03
		I-131	<1.83E-02	0.00E+00	1.83E-02
		Cs-134	<1.95E-02	0.00E+00	1.95E-02
		Cs-137	<1.34E-02	0.00E+00	1.34E-02
		Be-7	1.65E-01	4.12E-02	1.13E-01
		K-40	<4.45E-01	0.00E+00	4.45E-01
Sample ID: 247422	Sample Dates: 10/22/2012 - 10/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	3.18E-02	1.77E-03	3.53E-03
		I-131	<1.64E-02	0.00E+00	1.64E-02
		Cs-134	<1.48E-02	0.00E+00	1.48E-02
		Cs-137	<1.79E-02	0.00E+00	1.79E-02
		Be-7	<2.17E-01	0.00E+00	2.17E-01
		K-40	<3.87E-01	0.00E+00	3.87E-01
Sample ID: 247760	Sample Dates: 10/29/2012 - 11/5/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	3.39E-02	1.78E-03	3.31E-03
		I-131	<1.88E-02	0.00E+00	1.88E-02
		Cs-134	<2.22E-02	0.00E+00	2.22E-02
		Cs-137	<2.40E-02	0.00E+00	2.40E-02
		Be-7	2.00E-01	5.32E-02	8.68E-02
		K-40	<4.16E-01	0.00E+00	4.16E-01
Sample ID: 247955	Sample Dates: 11/5/2012 - 11/12/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.92E-02	1.68E-03	3.27E-03
		I-131	<1.55E-02	0.00E+00	1.55E-02
		Cs-134	<1.68E-02	0.00E+00	1.68E-02
		Cs-137	<2.68E-02	0.00E+00	2.68E-02
		Be-7	1.41E-01	4.54E-02	1.45E-01
		K-40	<5.70E-01	0.00E+00	5.70E-01
Sample ID: 248359	Sample Dates: 11/12/2012 - 11/19/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.57E-02	1.77E-03	4.13E-03
		I-131	<1.78E-02	0.00E+00	1.78E-02
		Cs-134	<1.29E-02	0.00E+00	1.29E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 078.1 [INDICATOR - WSW @ 0.53 miles]

Sample ID: 248359	Sample Dates: 11/12/2012 - 11/19/2012	Nuclide	Activity	1 Sigma Error	LLD
		Cs-137	<1.96E-02	0.00E+00	1.96E-02
		Be-7	1.75E-01	4.25E-02	8.76E-02
		K-40	<3.19E-01	0.00E+00	3.19E-01
Sample ID: 248638	Sample Dates: 11/19/2012 - 11/26/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	3.17E-02	1.76E-03	3.44E-03
		I-131	<1.33E-02	0.00E+00	1.33E-02
		Cs-134	<1.84E-02	0.00E+00	1.84E-02
		Cs-137	<1.96E-02	0.00E+00	1.96E-02
		Be-7	1.04E-01	6.52E-02	1.12E-01
Sample ID: 249011	Sample Dates: 11/26/2012 - 12/3/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	3.90E-02	1.85E-03	3.22E-03
		I-131	<1.74E-02	0.00E+00	1.74E-02
		Cs-134	<1.80E-02	0.00E+00	1.80E-02
		Cs-137	<1.77E-02	0.00E+00	1.77E-02
		Be-7	1.21E-01	6.24E-02	1.58E-01
Sample ID: 249250	Sample Dates: 12/3/2012 - 12/10/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.94E-02	1.52E-03	3.56E-03
		I-131	<1.34E-02	0.00E+00	1.34E-02
		Cs-134	<1.91E-02	0.00E+00	1.91E-02
		Cs-137	<1.48E-02	0.00E+00	1.48E-02
		Be-7	8.25E-02	5.53E-02	1.06E-01
Sample ID: 249448	Sample Dates: 12/10/2012 - 12/17/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.78E-02	1.69E-03	3.47E-03
		I-131	<1.76E-02	0.00E+00	1.76E-02
		Cs-134	<1.58E-02	0.00E+00	1.58E-02
		Cs-137	<1.99E-02	0.00E+00	1.99E-02
		Be-7	<1.99E-01	0.00E+00	1.99E-01
Sample ID: 249875	Sample Dates: 12/17/2012 - 12/24/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.61E-02	1.60E-03	3.19E-03
		I-131	<1.54E-02	0.00E+00	1.54E-02
		Cs-134	<2.09E-02	0.00E+00	2.09E-02
		Cs-137	<2.00E-02	0.00E+00	2.00E-02
		Be-7	1.36E-01	3.78E-02	1.50E-01
Sample ID: 250182	Sample Dates: 12/24/2012 - 12/31/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.74E-02	1.47E-03	3.47E-03
		I-131	<1.74E-02	0.00E+00	1.74E-02
		Cs-134	<2.21E-02	0.00E+00	2.21E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.63E-01	0.00E+00	1.63E-01

Sample Point 079 [INDICATOR - NE @ 0.56 miles]

Sample ID: 227186	Sample Dates: 1/3/2012 - 1/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.03E-02	1.65E-03	3.70E-03
		I-131	<8.62E-03	0.00E+00	8.62E-03
		Cs-134	<1.18E-02	0.00E+00	1.18E-02
		Cs-137	<1.27E-02	0.00E+00	1.27E-02
		Be-7	1.30E-01	4.47E-02	7.32E-02
Sample ID: 227320	Sample Dates: 1/9/2012 - 1/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.83E-02	1.43E-03	3.11E-03
		I-131	<1.86E-02	0.00E+00	1.86E-02
		Cs-134	<1.72E-02	0.00E+00	1.72E-02
		Cs-137	<1.52E-02	0.00E+00	1.52E-02
		Be-7	2.37E-01	5.71E-02	1.33E-01
Sample ID: 227534	Sample Dates: 1/16/2012 - 1/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.99E-02	1.46E-03	3.13E-03



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 079 [INDICATOR - NE @ 0.56 miles]

Sample ID: 227534	Sample Dates: 1/16/2012 - 1/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.31E-02	0.00E+00	1.31E-02
		Cs-134	<1.63E-02	0.00E+00	1.63E-02
		Cs-137	<2.27E-02	0.00E+00	2.27E-02
		Be-7	1.13E-01	5.79E-02	2.76E-02
		K-40	<5.12E-01	0.00E+00	5.12E-01
Sample ID: 227856	Sample Dates: 1/23/2012 - 1/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.26E-02	1.37E-03	3.53E-03
		I-131	<1.51E-02	0.00E+00	1.51E-02
		Cs-134	<1.63E-02	0.00E+00	1.63E-02
		Cs-137	<2.15E-02	0.00E+00	2.15E-02
		Be-7	1.63E-01	7.69E-02	1.32E-01
Sample ID: 228123	Sample Dates: 1/30/2012 - 2/6/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.00E-02	1.49E-03	3.37E-03
		I-131	<4.04E-03	0.00E+00	4.04E-03
		Cs-134	<5.84E-03	0.00E+00	5.84E-03
		Cs-137	<6.94E-03	0.00E+00	6.94E-03
		Be-7	1.21E-01	2.26E-02	3.81E-02
Sample ID: 229434	Sample Dates: 2/6/2012 - 2/13/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.10E-02	1.54E-03	3.37E-03
		I-131	<6.83E-03	0.00E+00	6.83E-03
		Cs-134	<6.68E-03	0.00E+00	6.68E-03
		Cs-137	<9.92E-03	0.00E+00	9.92E-03
		Be-7	1.27E-01	2.50E-02	5.57E-02
Sample ID: 230060	Sample Dates: 2/13/2012 - 2/20/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.70E-02	1.39E-03	3.10E-03
		I-131	<4.84E-03	0.00E+00	4.84E-03
		Cs-134	<5.34E-03	0.00E+00	5.34E-03
		Cs-137	<6.13E-03	0.00E+00	6.13E-03
		Be-7	1.33E-01	2.94E-02	5.02E-02
Sample ID: 230735	Sample Dates: 2/20/2012 - 2/27/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.48E-02	1.32E-03	3.02E-03
		I-131	<7.19E-03	0.00E+00	7.19E-03
		Cs-134	<7.54E-03	0.00E+00	7.54E-03
		Cs-137	<9.92E-03	0.00E+00	9.92E-03
		Be-7	1.36E-01	2.49E-02	6.50E-02
Sample ID: 230944	Sample Dates: 2/27/2012 - 3/5/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.37E-02	1.38E-03	3.49E-03
		I-131	<6.07E-03	0.00E+00	6.07E-03
		Cs-134	<5.01E-03	0.00E+00	5.01E-03
		Cs-137	<8.66E-03	0.00E+00	8.66E-03
		Be-7	1.51E-01	3.76E-02	5.40E-02
Sample ID: 231654	Sample Dates: 3/5/2012 - 3/12/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.52E-02	1.43E-03	3.47E-03
		I-131	<6.79E-03	0.00E+00	6.79E-03
		Cs-134	<8.06E-03	0.00E+00	8.06E-03
		Cs-137	<6.14E-03	0.00E+00	6.14E-03
		Be-7	1.93E-01	3.32E-02	4.33E-02
Sample ID: 232468	Sample Dates: 3/12/2012 - 3/19/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.45E-02	1.38E-03	3.35E-03
		I-131	<9.61E-03	0.00E+00	9.61E-03
		Cs-134	<7.65E-03	0.00E+00	7.65E-03
		Cs-137	<1.17E-02	0.00E+00	1.17E-02
		Be-7	1.20E-01	3.61E-02	7.77E-02
Sample ID: 233308	Sample Dates: 3/19/2012 - 3/26/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.51E-02	1.38E-03	3.33E-03



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 079 [INDICATOR - NE @ 0.56 miles]

Sample ID: 233308	Sample Dates: 3/19/2012 - 3/26/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.84E-03	0.00E+00	7.84E-03
		Cs-134	<8.62E-03	0.00E+00	8.62E-03
		Cs-137	<7.69E-03	0.00E+00	7.69E-03
		Be-7	<1.16E-01	0.00E+00	1.16E-01
		K-40	<2.33E-01	0.00E+00	2.33E-01
Sample ID: 233549	Sample Dates: 3/26/2012 - 4/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.20E-02	1.48E-03	3.00E-03
		I-131	<5.09E-03	0.00E+00	5.09E-03
		Cs-134	<6.52E-03	0.00E+00	6.52E-03
		Cs-137	<7.84E-03	0.00E+00	7.84E-03
		Be-7	1.83E-01	3.27E-02	4.61E-02
Sample ID: 234467	Sample Dates: 4/2/2012 - 4/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.46E-02	1.42E-03	3.53E-03
		I-131	<1.58E-02	0.00E+00	1.58E-02
		Cs-134	<1.48E-02	0.00E+00	1.48E-02
		Cs-137	<1.71E-02	0.00E+00	1.71E-02
		Be-7	2.13E-01	4.76E-02	1.16E-01
Sample ID: 234895	Sample Dates: 4/9/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.71E-02	1.50E-03	3.63E-03
		I-131	<9.23E-03	0.00E+00	9.23E-03
		Cs-134	<8.36E-03	0.00E+00	8.36E-03
		Cs-137	<1.09E-02	0.00E+00	1.09E-02
		Be-7	2.10E-01	3.59E-02	7.08E-02
Sample ID: 235217	Sample Dates: 4/16/2012 - 4/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.38E-02	1.30E-03	3.07E-03
		I-131	<1.84E-02	0.00E+00	1.84E-02
		Cs-134	<1.29E-02	0.00E+00	1.29E-02
		Cs-137	<2.32E-02	0.00E+00	2.32E-02
		Be-7	1.01E-01	4.16E-02	1.49E-01
Sample ID: 235402	Sample Dates: 4/23/2012 - 4/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.18E-02	1.53E-03	3.31E-03
		I-131	<8.09E-03	0.00E+00	8.09E-03
		Cs-134	<1.00E-02	0.00E+00	1.00E-02
		Cs-137	<1.16E-02	0.00E+00	1.16E-02
		Be-7	1.64E-01	4.06E-02	7.00E-02
Sample ID: 235740	Sample Dates: 4/30/2012 - 5/7/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.53E-02	1.40E-03	3.31E-03
		I-131	<7.68E-03	0.00E+00	7.68E-03
		Cs-134	<8.02E-03	0.00E+00	8.02E-03
		Cs-137	<9.65E-03	0.00E+00	9.65E-03
		Be-7	1.42E-01	3.49E-02	7.35E-02
Sample ID: 235986	Sample Dates: 5/7/2012 - 5/14/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.60E-02	1.37E-03	3.13E-03
		I-131	<8.63E-03	0.00E+00	8.63E-03
		Cs-134	<1.16E-02	0.00E+00	1.16E-02
		Cs-137	<1.06E-02	0.00E+00	1.06E-02
		Be-7	1.77E-01	3.80E-02	6.38E-02
Sample ID: 236196	Sample Dates: 5/14/2012 - 5/21/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.65E-02	1.47E-03	3.60E-03
		I-131	<5.96E-03	0.00E+00	5.96E-03
		Cs-134	<7.86E-03	0.00E+00	7.86E-03
		Cs-137	<7.93E-03	0.00E+00	7.93E-03
		Be-7	1.38E-01	3.41E-02	6.38E-02
Sample ID: 236509	Sample Dates: 5/21/2012 - 5/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.26E-02	1.35E-03	2.55E-03



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 079 [INDICATOR - NE @ 0.56 miles]

Sample ID: 236509	Sample Dates: 5/21/2012 - 5/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<5.76E-03	0.00E+00	5.76E-03
		Cs-134	<7.19E-03	0.00E+00	7.19E-03
		Cs-137	<6.00E-03	0.00E+00	6.00E-03
		Be-7	1.51E-01	2.82E-02	4.99E-02
		K-40	<1.80E-01	0.00E+00	1.80E-01
Sample ID: 236808	Sample Dates: 5/29/2012 - 6/4/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.70E-02	1.63E-03	3.97E-03
		I-131	<1.62E-02	0.00E+00	1.62E-02
		Cs-134	<2.66E-02	0.00E+00	2.66E-02
		Cs-137	<2.12E-02	0.00E+00	2.12E-02
		Be-7	1.31E-01	4.88E-02	2.34E-01
Sample ID: 237134	Sample Dates: 6/4/2012 - 6/11/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.72E-02	1.41E-03	3.24E-03
		I-131	<5.98E-03	0.00E+00	5.98E-03
		Cs-134	<7.65E-03	0.00E+00	7.65E-03
		Cs-137	<7.83E-03	0.00E+00	7.83E-03
		Be-7	1.45E-01	2.50E-02	4.35E-02
Sample ID: 237309	Sample Dates: 6/11/2012 - 6/18/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.69E-02	1.38E-03	3.08E-03
		I-131	<9.01E-03	0.00E+00	9.01E-03
		Cs-134	<7.31E-03	0.00E+00	7.31E-03
		Cs-137	<8.17E-03	0.00E+00	8.17E-03
		Be-7	1.77E-01	3.36E-02	5.62E-02
Sample ID: 237985	Sample Dates: 6/18/2012 - 6/25/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.76E-02	1.58E-03	2.97E-03
		I-131	<8.18E-03	0.00E+00	8.18E-03
		Cs-134	<8.60E-03	0.00E+00	8.60E-03
		Cs-137	<6.29E-03	0.00E+00	6.29E-03
		Be-7	1.96E-01	3.82E-02	8.39E-02
Sample ID: 238737	Sample Dates: 6/25/2012 - 7/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.75E-02	1.72E-03	3.54E-03
		I-131	<5.94E-03	0.00E+00	5.94E-03
		Cs-134	<6.87E-03	0.00E+00	6.87E-03
		Cs-137	<1.01E-02	0.00E+00	1.01E-02
		Be-7	2.60E-01	3.81E-02	5.41E-02
Sample ID: 239114	Sample Dates: 7/2/2012 - 7/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.63E-02	1.61E-03	3.22E-03
		I-131	<5.22E-03	0.00E+00	5.22E-03
		Cs-134	<5.22E-03	0.00E+00	5.22E-03
		Cs-137	<9.08E-03	0.00E+00	9.08E-03
		Be-7	2.27E-01	2.73E-02	4.76E-02
Sample ID: 239886	Sample Dates: 7/9/2012 - 7/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.53E-02	1.33E-03	3.02E-03
		I-131	<1.76E-02	0.00E+00	1.76E-02
		Cs-134	<2.01E-02	0.00E+00	2.01E-02
		Cs-137	<2.09E-02	0.00E+00	2.09E-02
		Be-7	1.57E-01	4.74E-02	1.33E-01
Sample ID: 240010	Sample Dates: 7/16/2012 - 7/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.28E-02	1.32E-03	3.30E-03
		I-131	<6.21E-03	0.00E+00	6.21E-03
		Cs-134	<5.51E-03	0.00E+00	5.51E-03
		Cs-137	<9.21E-03	0.00E+00	9.21E-03
		Be-7	1.03E-01	2.66E-02	5.13E-02
Sample ID: 240332	Sample Dates: 7/23/2012 - 7/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.99E-02	1.49E-03	3.22E-03



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 079 [INDICATOR - NE @ 0.56 miles]

Sample ID: 240332	Sample Dates: 7/23/2012 - 7/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.02E-02	0.00E+00	1.02E-02
		Cs-134	<5.25E-03	0.00E+00	5.25E-03
		Cs-137	<1.02E-02	0.00E+00	1.02E-02
		Be-7	2.16E-01	4.06E-02	4.81E-02
		K-40	<1.96E-01	0.00E+00	1.96E-01
Sample ID: 240967	Sample Dates: 7/30/2012 - 8/6/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.15E-02	1.47E-03	3.04E-03
		I-131	<1.81E-02	0.00E+00	1.81E-02
		Cs-134	<2.02E-02	0.00E+00	2.02E-02
		Cs-137	<1.13E-02	0.00E+00	1.13E-02
		Be-7	<1.90E-01	0.00E+00	1.90E-01
Sample ID: 241238	Sample Dates: 8/6/2012 - 8/13/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.11E-02	1.26E-03	3.22E-03
		I-131	<5.13E-03	0.00E+00	5.13E-03
		Cs-134	<4.93E-03	0.00E+00	4.93E-03
		Cs-137	<8.95E-03	0.00E+00	8.95E-03
		Be-7	1.45E-01	2.61E-02	4.71E-02
Sample ID: 241545	Sample Dates: 8/13/2012 - 8/20/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.75E-02	1.61E-03	3.10E-03
		I-131	<6.92E-03	0.00E+00	6.92E-03
		Cs-134	<7.54E-03	0.00E+00	7.54E-03
		Cs-137	<1.06E-02	0.00E+00	1.06E-02
		Be-7	1.50E-01	3.42E-02	6.44E-02
Sample ID: 242134	Sample Dates: 8/20/2012 - 8/27/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	3.37E-02	1.80E-03	3.37E-03
		I-131	<7.65E-03	0.00E+00	7.65E-03
		Cs-134	<7.30E-03	0.00E+00	7.30E-03
		Cs-137	<8.98E-03	0.00E+00	8.98E-03
		Be-7	1.45E-01	3.44E-02	5.29E-02
Sample ID: 242463	Sample Dates: 8/27/2012 - 9/4/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	8.73E-03	1.13E-03	3.04E-03
		I-131	<7.49E-03	0.00E+00	7.49E-03
		Cs-134	<8.41E-03	0.00E+00	8.41E-03
		Cs-137	<7.56E-03	0.00E+00	7.56E-03
		Be-7	1.26E-01	2.10E-02	3.33E-02
Sample ID: 242990	Sample Dates: 9/4/2012 - 9/10/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.40E-02	1.54E-03	3.95E-03
		I-131	<6.13E-03	0.00E+00	6.13E-03
		Cs-134	<8.98E-03	0.00E+00	8.98E-03
		Cs-137	<1.01E-02	0.00E+00	1.01E-02
		Be-7	9.60E-02	3.68E-02	9.52E-02
Sample ID: 243748	Sample Dates: 9/10/2012 - 9/17/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.43E-02	1.60E-03	3.39E-03
		I-131	<7.70E-03	0.00E+00	7.70E-03
		Cs-134	<1.03E-02	0.00E+00	1.03E-02
		Cs-137	<8.30E-03	0.00E+00	8.30E-03
		Be-7	1.66E-01	4.10E-02	6.46E-02
Sample ID: 244153	Sample Dates: 9/17/2012 - 9/24/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.27E-02	1.52E-03	3.10E-03
		I-131	<6.18E-03	0.00E+00	6.18E-03
		Cs-134	<9.03E-03	0.00E+00	9.03E-03
		Cs-137	<8.72E-03	0.00E+00	8.72E-03
		Be-7	1.25E-01	2.78E-02	5.72E-02
Sample ID: 245024	Sample Dates: 9/24/2012 - 10/1/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.94E-02	1.69E-03	3.33E-03



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 079 [INDICATOR - NE @ 0.56 miles]

Sample ID: 245024	Sample Dates: 9/24/2012 - 10/1/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.62E-02	0.00E+00	1.62E-02
		Cs-134	<1.82E-02	0.00E+00	1.82E-02
		Cs-137	<1.73E-02	0.00E+00	1.73E-02
		Be-7	2.00E-01	5.28E-02	1.68E-01
		K-40	<3.84E-01	0.00E+00	3.84E-01
Sample ID: 245844	Sample Dates: 10/1/2012 - 10/8/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.73E-02	1.64E-03	3.26E-03
		I-131	<5.72E-03	0.00E+00	5.72E-03
		Cs-134	<6.23E-03	0.00E+00	6.23E-03
		Cs-137	<7.90E-03	0.00E+00	7.90E-03
		Be-7	1.24E-01	3.56E-02	3.99E-02
Sample ID: 246699	Sample Dates: 10/8/2012 - 10/15/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.60E-02	1.62E-03	3.25E-03
		I-131	<7.89E-03	0.00E+00	7.89E-03
		Cs-134	<7.50E-03	0.00E+00	7.50E-03
		Cs-137	<1.12E-02	0.00E+00	1.12E-02
		Be-7	1.56E-01	3.43E-02	5.82E-02
Sample ID: 247107	Sample Dates: 10/15/2012 - 10/22/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.44E-02	1.63E-03	3.52E-03
		I-131	<1.43E-02	0.00E+00	1.43E-02
		Cs-134	<1.69E-02	0.00E+00	1.69E-02
		Cs-137	<1.79E-02	0.00E+00	1.79E-02
		Be-7	6.22E-02	3.96E-02	2.75E-02
Sample ID: 247423	Sample Dates: 10/22/2012 - 10/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.98E-02	1.73E-03	3.51E-03
		I-131	<1.67E-02	0.00E+00	1.67E-02
		Cs-134	<1.92E-02	0.00E+00	1.92E-02
		Cs-137	<2.41E-02	0.00E+00	2.41E-02
		Be-7	<1.64E-01	0.00E+00	1.64E-01
Sample ID: 247761	Sample Dates: 10/29/2012 - 11/5/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	3.03E-02	1.72E-03	3.33E-03
		I-131	<1.98E-02	0.00E+00	1.98E-02
		Cs-134	<1.87E-02	0.00E+00	1.87E-02
		Cs-137	<1.75E-02	0.00E+00	1.75E-02
		Be-7	1.34E-01	5.14E-02	1.61E-01
Sample ID: 247956	Sample Dates: 11/5/2012 - 11/12/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.99E-02	1.48E-03	3.26E-03
		I-131	<1.56E-02	0.00E+00	1.56E-02
		Cs-134	<1.26E-02	0.00E+00	1.26E-02
		Cs-137	<2.12E-02	0.00E+00	2.12E-02
		Be-7	1.79E-01	6.71E-02	1.59E-01
Sample ID: 248360	Sample Dates: 11/12/2012 - 11/19/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.41E-02	1.74E-03	4.13E-03
		I-131	<1.33E-02	0.00E+00	1.33E-02
		Cs-134	<2.07E-02	0.00E+00	2.07E-02
		Cs-137	<2.39E-02	0.00E+00	2.39E-02
		Be-7	1.91E-01	6.68E-02	1.34E-01
Sample ID: 248639	Sample Dates: 11/19/2012 - 11/26/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	3.46E-02	1.82E-03	3.44E-03
		I-131	<2.32E-02	0.00E+00	2.32E-02
		Cs-134	<1.94E-02	0.00E+00	1.94E-02
		Cs-137	<1.96E-02	0.00E+00	1.96E-02
		Be-7	1.29E-01	6.03E-02	1.69E-01
Sample ID: 249012	Sample Dates: 11/26/2012 - 12/3/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	3.53E-02	1.79E-03	3.22E-03



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 079 [INDICATOR - NE @ 0.56 miles]

Sample ID:	249012	Sample Dates:	11/26/2012 - 12/3/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.71E-02	0.00E+00	1.71E-02
				Cs-134	<1.78E-02	0.00E+00	1.78E-02
				Cs-137	<1.54E-02	0.00E+00	1.54E-02
				Be-7	<2.28E-01	0.00E+00	2.28E-01
				K-40	<4.64E-01	0.00E+00	4.64E-01

Sample ID:	249251	Sample Dates:	12/3/2012 - 12/10/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.02E-02	1.54E-03	3.55E-03
				I-131	<1.82E-02	0.00E+00	1.82E-02
				Cs-134	<2.04E-02	0.00E+00	2.04E-02
				Cs-137	<2.24E-02	0.00E+00	2.24E-02
				Be-7	1.84E-01	4.91E-02	1.18E-01
				K-40	<3.11E-01	0.00E+00	3.11E-01

Sample ID:	249449	Sample Dates:	12/10/2012 - 12/17/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	3.18E-02	1.78E-03	3.48E-03
				I-131	<2.02E-02	0.00E+00	2.02E-02
				Cs-134	<2.07E-02	0.00E+00	2.07E-02
				Cs-137	<1.98E-02	0.00E+00	1.98E-02
				Be-7	1.67E-01	4.17E-02	9.57E-02
				K-40	<2.96E-01	0.00E+00	2.96E-01

Sample ID:	249876	Sample Dates:	12/17/2012 - 12/24/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.41E-02	1.56E-03	3.19E-03
				I-131	<2.06E-02	0.00E+00	2.06E-02
				Cs-134	<1.79E-02	0.00E+00	1.79E-02
				Cs-137	<2.09E-02	0.00E+00	2.09E-02
				Be-7	1.55E-01	4.80E-02	9.64E-02
				K-40	<3.86E-01	0.00E+00	3.86E-01

Sample ID:	250183	Sample Dates:	12/24/2012 - 12/31/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.48E-02	1.41E-03	3.47E-03
				I-131	<1.49E-02	0.00E+00	1.49E-02
				Cs-134	<1.84E-02	0.00E+00	1.84E-02
				Cs-137	<2.18E-02	0.00E+00	2.18E-02
				Be-7	1.46E-01	4.67E-02	1.24E-01
				K-40	<4.18E-01	0.00E+00	4.18E-01

Sample Point 081 [CONTROL - SE @ 9.33 miles]

Sample ID:	227187	Sample Dates:	1/3/2012 - 1/9/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.63E-02	1.55E-03	3.71E-03
				I-131	<6.88E-03	0.00E+00	6.88E-03
				Cs-134	<3.78E-03	0.00E+00	3.78E-03
				Cs-137	<6.69E-03	0.00E+00	6.69E-03
				Be-7	1.53E-01	3.21E-02	5.53E-02
				K-40	<1.83E-01	0.00E+00	1.83E-01

Sample ID:	227321	Sample Dates:	1/9/2012 - 1/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.82E-02	1.41E-03	3.07E-03
				I-131	<1.81E-02	0.00E+00	1.81E-02
				Cs-134	<2.37E-02	0.00E+00	2.37E-02
				Cs-137	<1.65E-02	0.00E+00	1.65E-02
				Be-7	1.35E-01	5.44E-02	1.12E-01
				K-40	<4.70E-01	0.00E+00	4.70E-01

Sample ID:	227535	Sample Dates:	1/16/2012 - 1/23/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.91E-02	1.44E-03	3.14E-03
				I-131	<6.23E-03	0.00E+00	6.23E-03
				Cs-134	<7.67E-03	0.00E+00	7.67E-03
				Cs-137	<8.25E-03	0.00E+00	8.25E-03
				Be-7	8.53E-02	3.21E-02	7.30E-02
				K-40	1.31E-01	4.36E-02	3.93E-02

Sample ID:	227857	Sample Dates:	1/23/2012 - 1/30/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.44E-02	1.41E-03	3.52E-03
				I-131	<7.66E-03	0.00E+00	7.66E-03
				Cs-134	<9.56E-03	0.00E+00	9.56E-03
				Cs-137	<9.41E-03	0.00E+00	9.41E-03
				Be-7	9.23E-02	3.09E-02	5.16E-02
				K-40	9.90E-02	5.48E-02	1.25E-01



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 081 [CONTROL - SE @ 9.33 miles]

Sample ID: 228124	Sample Dates: 1/30/2012 - 2/6/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.83E-02	1.49E-03	3.46E-03
		I-131	<8.22E-03	0.00E+00	8.22E-03
		Cs-134	<8.81E-03	0.00E+00	8.81E-03
		Cs-137	<1.34E-02	0.00E+00	1.34E-02
		Be-7	1.53E-01	4.16E-02	5.67E-02
Sample ID: 229435	Sample Dates: 2/6/2012 - 2/13/2012	K-40	<2.02E-01	0.00E+00	2.02E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.04E-02	1.52E-03	3.34E-03
		I-131	<1.96E-02	0.00E+00	1.96E-02
		Cs-134	<1.82E-02	0.00E+00	1.82E-02
		Cs-137	<1.53E-02	0.00E+00	1.53E-02
Sample ID: 230061	Sample Dates: 2/13/2012 - 2/20/2012	Be-7	1.04E-01	3.30E-02	1.54E-01
		K-40	<4.22E-01	0.00E+00	4.22E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.09E-02	1.22E-03	3.07E-03
		I-131	<5.43E-03	0.00E+00	5.43E-03
		Cs-134	<6.97E-03	0.00E+00	6.97E-03
Sample ID: 230736	Sample Dates: 2/20/2012 - 2/27/2012	Cs-137	<6.75E-03	0.00E+00	6.75E-03
		Be-7	1.17E-01	2.97E-02	4.78E-02
		K-40	<1.37E-01	0.00E+00	1.37E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.42E-02	1.30E-03	3.00E-03
		I-131	<6.31E-03	0.00E+00	6.31E-03
Sample ID: 230945	Sample Dates: 2/27/2012 - 3/5/2012	Cs-134	<7.15E-03	0.00E+00	7.15E-03
		Cs-137	<8.03E-03	0.00E+00	8.03E-03
		Be-7	1.34E-01	3.53E-02	5.80E-02
		K-40	<1.56E-01	0.00E+00	1.56E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.04E-02	1.32E-03	3.55E-03
Sample ID: 231655	Sample Dates: 3/5/2012 - 3/12/2012	I-131	<1.03E-02	0.00E+00	1.03E-02
		Cs-134	<2.09E-02	0.00E+00	2.09E-02
		Cs-137	<2.31E-02	0.00E+00	2.31E-02
		Be-7	1.36E-01	6.22E-02	1.45E-01
		K-40	<3.57E-01	0.00E+00	3.57E-01
		Nuclide	Activity	1 Sigma Error	LLD
Sample ID: 232469	Sample Dates: 3/12/2012 - 3/19/2012	Beta	1.51E-02	1.40E-03	3.38E-03
		I-131	<8.98E-03	0.00E+00	8.98E-03
		Cs-134	<6.50E-03	0.00E+00	6.50E-03
		Cs-137	<1.00E-02	0.00E+00	1.00E-02
		Be-7	2.18E-01	3.66E-02	5.22E-02
		K-40	<1.33E-01	0.00E+00	1.33E-01
Sample ID: 233309	Sample Dates: 3/19/2012 - 3/26/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.13E-02	1.31E-03	3.38E-03
		I-131	<7.22E-03	0.00E+00	7.22E-03
		Cs-134	<5.82E-03	0.00E+00	5.82E-03
		Cs-137	<1.10E-02	0.00E+00	1.10E-02
		Be-7	1.54E-01	2.67E-02	4.15E-02
Sample ID: 233550	Sample Dates: 3/26/2012 - 4/2/2012	K-40	<1.62E-01	0.00E+00	1.62E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.44E-02	1.37E-03	3.32E-03
		I-131	<7.57E-03	0.00E+00	7.57E-03
		Cs-134	<6.53E-03	0.00E+00	6.53E-03
		Cs-137	<7.32E-03	0.00E+00	7.32E-03
		Be-7	1.36E-01	2.84E-02	4.10E-02
		K-40	<2.28E-01	0.00E+00	2.28E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.56E-02	1.34E-03	3.05E-03
		I-131	<9.27E-03	0.00E+00	9.27E-03
		Cs-134	<7.79E-03	0.00E+00	7.79E-03
		Cs-137	<1.09E-02	0.00E+00	1.09E-02
		Be-7	1.09E-01	5.04E-02	8.92E-02
		K-40	<1.72E-01	0.00E+00	1.72E-01



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 081 [CONTROL - SE @ 9.33 miles]

Sample ID: 234468	Sample Dates: 4/2/2012 - 4/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.43E-02	1.40E-03	3.47E-03
		I-131	<6.22E-03	0.00E+00	6.22E-03
		Cs-134	<7.12E-03	0.00E+00	7.12E-03
		Cs-137	<7.01E-03	0.00E+00	7.01E-03
		Be-7	1.90E-01	3.58E-02	6.30E-02
Sample ID: 234896	Sample Dates: 4/9/2012 - 4/16/2012	K-40	<1.92E-01	0.00E+00	1.92E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.73E-02	1.50E-03	3.62E-03
		I-131	<7.60E-03	0.00E+00	7.60E-03
		Cs-134	<7.16E-03	0.00E+00	7.16E-03
		Cs-137	<7.48E-03	0.00E+00	7.48E-03
Sample ID: 235218	Sample Dates: 4/16/2012 - 4/23/2012	Be-7	2.03E-01	3.44E-02	5.75E-02
		K-40	2.03E-01	5.67E-02	1.05E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.52E-02	1.33E-03	3.06E-03
		I-131	<1.95E-02	0.00E+00	1.95E-02
		Cs-134	<1.84E-02	0.00E+00	1.84E-02
Sample ID: 235403	Sample Dates: 4/23/2012 - 4/30/2012	Cs-137	<1.88E-02	0.00E+00	1.88E-02
		Be-7	2.91E-01	5.50E-02	1.32E-01
		K-40	<4.20E-01	0.00E+00	4.20E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.19E-02	1.55E-03	3.38E-03
		I-131	<7.00E-03	0.00E+00	7.00E-03
Sample ID: 235741	Sample Dates: 4/30/2012 - 5/7/2012	Cs-134	<8.11E-03	0.00E+00	8.11E-03
		Cs-137	<9.85E-03	0.00E+00	9.85E-03
		Be-7	1.33E-01	2.92E-02	6.37E-02
		K-40	<1.74E-01	0.00E+00	1.74E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.45E-02	1.36E-03	3.26E-03
Sample ID: 235987	Sample Dates: 5/7/2012 - 5/14/2012	I-131	<7.88E-03	0.00E+00	7.88E-03
		Cs-134	<7.58E-03	0.00E+00	7.58E-03
		Cs-137	<9.01E-03	0.00E+00	9.01E-03
		Be-7	1.36E-01	3.19E-02	6.72E-02
		K-40	<1.56E-01	0.00E+00	1.56E-01
		Nuclide	Activity	1 Sigma Error	LLD
Sample ID: 236197	Sample Dates: 5/14/2012 - 5/21/2012	Beta	1.88E-02	1.43E-03	3.12E-03
		I-131	<3.91E-03	0.00E+00	3.91E-03
		Cs-134	<4.92E-03	0.00E+00	4.92E-03
		Cs-137	<1.20E-02	0.00E+00	1.20E-02
		Be-7	1.43E-01	3.95E-02	6.25E-02
		K-40	<1.89E-01	0.00E+00	1.89E-01
Sample ID: 236510	Sample Dates: 5/21/2012 - 5/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.71E-02	1.49E-03	3.60E-03
		I-131	<9.29E-03	0.00E+00	9.29E-03
		Cs-134	<7.71E-03	0.00E+00	7.71E-03
		Cs-137	<1.39E-02	0.00E+00	1.39E-02
		Be-7	1.82E-01	3.09E-02	3.77E-02
Sample ID: 236809	Sample Dates: 5/29/2012 - 6/4/2012	K-40	<2.43E-01	0.00E+00	2.43E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.30E-02	1.37E-03	2.57E-03
		I-131	<6.16E-03	0.00E+00	6.16E-03
		Cs-134	<4.99E-03	0.00E+00	4.99E-03
		Cs-137	<7.73E-03	0.00E+00	7.73E-03
		Be-7	1.50E-01	2.86E-02	4.49E-02
		K-40	2.28E-01	4.47E-02	7.85E-02
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.64E-02	1.60E-03	3.92E-03
		I-131	<1.30E-02	0.00E+00	1.30E-02
		Cs-134	<1.25E-02	0.00E+00	1.25E-02
		Cs-137	<9.66E-03	0.00E+00	9.66E-03
		Be-7	2.16E-01	4.64E-02	8.28E-02
		K-40	<2.30E-01	0.00E+00	2.30E-01



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 081 [CONTROL - SE @ 9.33 miles]

Sample ID: 237135	Sample Dates: 6/4/2012 - 6/11/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.70E-02	1.42E-03	3.27E-03
		I-131	<5.49E-03	0.00E+00	5.49E-03
		Cs-134	<8.48E-03	0.00E+00	8.48E-03
		Cs-137	<9.99E-03	0.00E+00	9.99E-03
		Be-7	1.62E-01	3.63E-02	7.32E-02
Sample ID: 237310	Sample Dates: 6/11/2012 - 6/18/2012	K-40	<1.19E-01	0.00E+00	1.19E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.49E-02	1.32E-03	3.04E-03
		I-131	<7.11E-03	0.00E+00	7.11E-03
		Cs-134	<7.11E-03	0.00E+00	7.11E-03
		Cs-137	<1.12E-02	0.00E+00	1.12E-02
Sample ID: 237986	Sample Dates: 6/18/2012 - 6/25/2012	Be-7	1.79E-01	3.60E-02	6.24E-02
		K-40	1.44E-01	5.72E-02	9.64E-02
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.31E-02	1.51E-03	3.02E-03
		I-131	<1.81E-02	0.00E+00	1.81E-02
		Cs-134	<1.20E-02	0.00E+00	1.20E-02
Sample ID: 238738	Sample Dates: 6/25/2012 - 7/2/2012	Cs-137	<1.20E-02	0.00E+00	1.20E-02
		Be-7	1.60E-01	4.93E-02	1.46E-01
		K-40	<4.83E-01	0.00E+00	4.83E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.68E-02	1.69E-03	3.48E-03
		I-131	<6.89E-03	0.00E+00	6.89E-03
Sample ID: 239115	Sample Dates: 7/2/2012 - 7/9/2012	Cs-134	<7.90E-03	0.00E+00	7.90E-03
		Cs-137	<9.01E-03	0.00E+00	9.01E-03
		Be-7	2.41E-01	3.78E-02	5.61E-02
		K-40	<1.84E-01	0.00E+00	1.84E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.57E-02	1.60E-03	3.21E-03
Sample ID: 239887	Sample Dates: 7/9/2012 - 7/16/2012	I-131	<7.36E-03	0.00E+00	7.36E-03
		Cs-134	<6.23E-03	0.00E+00	6.23E-03
		Cs-137	<1.16E-02	0.00E+00	1.16E-02
		Be-7	1.55E-01	3.56E-02	5.49E-02
		K-40	<2.10E-01	0.00E+00	2.10E-01
		Nuclide	Activity	1 Sigma Error	LLD
Sample ID: 240011	Sample Dates: 7/16/2012 - 7/23/2012	Beta	1.20E-02	1.24E-03	3.02E-03
		I-131	<2.10E-02	0.00E+00	2.10E-02
		Cs-134	<1.91E-02	0.00E+00	1.91E-02
		Cs-137	<1.74E-02	0.00E+00	1.74E-02
		Be-7	8.53E-02	5.29E-02	1.46E-01
		K-40	<3.20E-01	0.00E+00	3.20E-01
Sample ID: 240333	Sample Dates: 7/23/2012 - 7/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.23E-02	1.32E-03	3.35E-03
		I-131	<6.63E-03	0.00E+00	6.63E-03
		Cs-134	<6.76E-03	0.00E+00	6.76E-03
		Cs-137	<8.75E-03	0.00E+00	8.75E-03
		Be-7	9.82E-02	2.73E-02	5.70E-02
Sample ID: 240968	Sample Dates: 7/30/2012 - 8/6/2012	K-40	<1.85E-01	0.00E+00	1.85E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.49E-02	1.35E-03	3.16E-03
		I-131	<5.86E-03	0.00E+00	5.86E-03
		Cs-134	<6.00E-03	0.00E+00	6.00E-03
		Cs-137	<7.69E-03	0.00E+00	7.69E-03
		Be-7	9.79E-02	2.94E-02	4.48E-02
		K-40	<1.70E-01	0.00E+00	1.70E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.99E-02	1.45E-03	3.06E-03
		I-131	<1.71E-02	0.00E+00	1.71E-02
		Cs-134	<1.53E-02	0.00E+00	1.53E-02
		Cs-137	<1.68E-02	0.00E+00	1.68E-02
		Be-7	9.19E-02	4.62E-02	1.35E-01
		K-40	<3.57E-01	0.00E+00	3.57E-01



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 081 [CONTROL - SE @ 9.33 miles]

Sample ID: 241239	Sample Dates: 8/6/2012 - 8/13/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.37E-02	1.33E-03	3.22E-03
		I-131	<8.61E-03	0.00E+00	8.61E-03
		Cs-134	<8.09E-03	0.00E+00	8.09E-03
		Cs-137	<8.71E-03	0.00E+00	8.71E-03
		Be-7	9.88E-02	3.49E-02	6.29E-02
Sample ID: 241546	Sample Dates: 8/13/2012 - 8/20/2012	K-40	2.04E-01	5.55E-02	8.28E-02
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.71E-02	1.61E-03	3.15E-03
		I-131	<1.41E-02	0.00E+00	1.41E-02
		Cs-134	<1.90E-02	0.00E+00	1.90E-02
		Cs-137	<1.77E-02	0.00E+00	1.77E-02
Sample ID: 242135	Sample Dates: 8/20/2012 - 8/27/2012	Be-7	2.30E-01	5.74E-02	1.48E-01
		K-40	<4.87E-01	0.00E+00	4.87E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.67E-02	1.64E-03	3.33E-03
		I-131	<1.65E-02	0.00E+00	1.65E-02
		Cs-134	<2.39E-02	0.00E+00	2.39E-02
Sample ID: 242464	Sample Dates: 8/27/2012 - 9/4/2012	Cs-137	<2.18E-02	0.00E+00	2.18E-02
		Be-7	1.42E-01	6.51E-02	1.43E-01
		K-40	<4.18E-01	0.00E+00	4.18E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.16E-02	1.20E-03	3.02E-03
		I-131	<5.14E-03	0.00E+00	5.14E-03
Sample ID: 242991	Sample Dates: 9/4/2012 - 9/10/2012	Cs-134	<8.81E-03	0.00E+00	8.81E-03
		Cs-137	<1.00E-02	0.00E+00	1.00E-02
		Be-7	1.18E-01	2.63E-02	3.86E-02
		K-40	<1.93E-01	0.00E+00	1.93E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.76E-02	1.63E-03	3.96E-03
Sample ID: 243749	Sample Dates: 9/10/2012 - 9/17/2012	I-131	<9.27E-03	0.00E+00	9.27E-03
		Cs-134	<7.07E-03	0.00E+00	7.07E-03
		Cs-137	<1.10E-02	0.00E+00	1.10E-02
		Be-7	1.35E-01	3.59E-02	4.78E-02
		K-40	<2.12E-01	0.00E+00	2.12E-01
		Nuclide	Activity	1 Sigma Error	LLD
Sample ID: 244154	Sample Dates: 9/17/2012 - 9/24/2012	Beta	2.46E-02	1.61E-03	3.42E-03
		I-131	<6.18E-03	0.00E+00	6.18E-03
		Cs-134	<9.71E-03	0.00E+00	9.71E-03
		Cs-137	<9.15E-03	0.00E+00	9.15E-03
		Be-7	1.06E-01	3.18E-02	1.36E-02
		K-40	<1.90E-01	0.00E+00	1.90E-01
Sample ID: 244525	Sample Dates: 9/24/2012 - 10/1/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.17E-02	1.49E-03	3.07E-03
		I-131	<7.08E-03	0.00E+00	7.08E-03
		Cs-134	<6.89E-03	0.00E+00	6.89E-03
		Cs-137	<9.84E-03	0.00E+00	9.84E-03
		Be-7	7.34E-02	3.68E-02	6.30E-02
Sample ID: 245025	Sample Dates: 9/24/2012 - 10/1/2012	K-40	<2.36E-01	0.00E+00	2.36E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	3.28E-02	1.77E-03	3.36E-03
		I-131	<4.12E-03	0.00E+00	4.12E-03
		Cs-134	<5.71E-03	0.00E+00	5.71E-03
		Cs-137	<1.83E-03	0.00E+00	1.83E-03
Sample ID: 245845	Sample Dates: 10/1/2012 - 10/8/2012	Be-7	1.68E-01	3.00E-02	3.23E-02
		K-40	<1.35E-01	0.00E+00	1.35E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.92E-02	1.68E-03	3.25E-03
		I-131	<8.42E-03	0.00E+00	8.42E-03
		Cs-134	<8.07E-03	0.00E+00	8.07E-03
		Cs-137	<1.12E-02	0.00E+00	1.12E-02
		Be-7	1.03E-01	2.32E-02	4.78E-02
		K-40	<2.28E-01	0.00E+00	2.28E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.92E-02	1.68E-03	3.25E-03
		I-131	<8.42E-03	0.00E+00	8.42E-03



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 081 [CONTROL - SE @ 9.33 miles]

Sample ID: 246700	Sample Dates: 10/8/2012 - 10/15/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	3.06E-02	1.67E-03	3.12E-03
		I-131	<1.71E-02	0.00E+00	1.71E-02
		Cs-134	<1.97E-02	0.00E+00	1.97E-02
		Cs-137	<1.41E-02	0.00E+00	1.41E-02
		Be-7	1.53E-01	4.76E-02	1.37E-01
Sample ID: 247108	Sample Dates: 10/15/2012 - 10/22/2012	K-40	<3.43E-01	0.00E+00	3.43E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.27E-02	1.64E-03	3.66E-03
		I-131	<1.82E-02	0.00E+00	1.82E-02
		Cs-134	<1.85E-02	0.00E+00	1.85E-02
		Cs-137	<4.51E-03	0.00E+00	4.51E-03
Sample ID: 247424	Sample Dates: 10/22/2012 - 10/29/2012	Be-7	1.82E-01	4.98E-02	1.48E-01
		K-40	<3.99E-01	0.00E+00	3.99E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.43E-02	1.63E-03	3.53E-03
		I-131	<1.62E-02	0.00E+00	1.62E-02
		Cs-134	<2.00E-02	0.00E+00	2.00E-02
Sample ID: 247762	Sample Dates: 10/29/2012 - 11/5/2012	Cs-137	<1.85E-02	0.00E+00	1.85E-02
		Be-7	<1.99E-01	0.00E+00	1.99E-01
		K-40	<3.81E-01	0.00E+00	3.81E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.78E-02	1.67E-03	3.33E-03
		I-131	<1.56E-02	0.00E+00	1.56E-02
Sample ID: 247957	Sample Dates: 11/5/2012 - 11/12/2012	Cs-134	<1.56E-02	0.00E+00	1.56E-02
		Cs-137	<2.02E-02	0.00E+00	2.02E-02
		Be-7	1.85E-01	5.63E-02	9.43E-02
		K-40	<4.97E-01	0.00E+00	4.97E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.63E-02	1.62E-03	3.28E-03
Sample ID: 248361	Sample Dates: 11/12/2012 - 11/19/2012	I-131	<2.04E-02	0.00E+00	2.04E-02
		Cs-134	<1.78E-02	0.00E+00	1.78E-02
		Cs-137	<1.63E-02	0.00E+00	1.63E-02
		Be-7	2.27E-01	6.30E-02	1.21E-01
		K-40	<3.84E-01	0.00E+00	3.84E-01
		Nuclide	Activity	1 Sigma Error	LLD
Sample ID: 248640	Sample Dates: 11/19/2012 - 11/26/2012	Beta	2.76E-02	1.81E-03	4.12E-03
		I-131	<1.86E-02	0.00E+00	1.86E-02
		Cs-134	<1.47E-02	0.00E+00	1.47E-02
		Cs-137	<1.79E-02	0.00E+00	1.79E-02
		Be-7	1.08E-01	4.61E-02	1.31E-01
		K-40	<2.98E-01	0.00E+00	2.98E-01
Sample ID: 249013	Sample Dates: 11/26/2012 - 12/3/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.97E-02	1.72E-03	3.42E-03
		I-131	<1.93E-02	0.00E+00	1.93E-02
		Cs-134	<2.11E-02	0.00E+00	2.11E-02
		Cs-137	<1.74E-02	0.00E+00	1.74E-02
		Be-7	1.95E-01	4.47E-02	1.09E-01
Sample ID: 249252	Sample Dates: 12/3/2012 - 12/10/2012	K-40	<6.03E-01	0.00E+00	6.03E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.56E-02	1.45E-03	3.59E-03
		I-131	<1.70E-02	0.00E+00	1.70E-02
		Cs-134	<1.26E-02	0.00E+00	1.26E-02
		Cs-137	<1.74E-02	0.00E+00	1.74E-02
		Be-7	8.34E-02	3.68E-02	1.41E-01
		K-40	<4.13E-01	0.00E+00	4.13E-01
		Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.56E-02	1.45E-03	3.59E-03
		I-131	<1.70E-02	0.00E+00	1.70E-02
		Cs-134	<1.26E-02	0.00E+00	1.26E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m³

Sample Point 081 [CONTROL - SE @ 9.33 miles]

Sample ID:	249450	Sample Dates:	12/10/2012 - 12/17/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.62E-02	1.65E-03	3.44E-03
				I-131	<1.77E-02	0.00E+00	1.77E-02
				Cs-134	<2.06E-02	0.00E+00	2.06E-02
				Cs-137	<1.77E-02	0.00E+00	1.77E-02
				Be-7	1.75E-01	4.95E-02	1.12E-01
				K-40	<4.92E-01	0.00E+00	4.92E-01

Sample ID:	249877	Sample Dates:	12/17/2012 - 12/24/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.34E-02	1.54E-03	3.18E-03
				I-131	<1.71E-02	0.00E+00	1.71E-02
				Cs-134	<1.40E-02	0.00E+00	1.40E-02
				Cs-137	<1.18E-02	0.00E+00	1.18E-02
				Be-7	1.78E-01	6.13E-02	8.89E-02
				K-40	<3.51E-01	0.00E+00	3.51E-01

Sample ID:	250184	Sample Dates:	12/24/2012 - 12/31/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.44E-02	1.40E-03	3.48E-03
				I-131	<1.90E-02	0.00E+00	1.90E-02
				Cs-134	<2.09E-02	0.00E+00	2.09E-02
				Cs-137	<2.01E-02	0.00E+00	2.01E-02
				Be-7	<1.66E-01	0.00E+00	1.66E-01
				K-40	2.08E-01	7.86E-02	3.30E-01

Sample Point 084 [INDICATOR - NNE @ 2.58 miles]

Sample ID:	227188	Sample Dates:	1/3/2012 - 1/9/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.89E-02	1.61E-03	3.71E-03
				I-131	<9.05E-03	0.00E+00	9.05E-03
				Cs-134	<8.52E-03	0.00E+00	8.52E-03
				Cs-137	<1.09E-02	0.00E+00	1.09E-02
				Be-7	1.32E-01	2.88E-02	1.70E-02
				K-40	<2.11E-01	0.00E+00	2.11E-01

Sample ID:	227322	Sample Dates:	1/9/2012 - 1/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.91E-02	1.44E-03	3.09E-03
				I-131	<1.29E-02	0.00E+00	1.29E-02
				Cs-134	<1.28E-02	0.00E+00	1.28E-02
				Cs-137	<1.62E-02	0.00E+00	1.62E-02
				Be-7	<1.90E-01	0.00E+00	1.90E-01
				K-40	<4.20E-01	0.00E+00	4.20E-01

Sample ID:	227536	Sample Dates:	1/16/2012 - 1/23/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.98E-02	1.46E-03	3.14E-03
				I-131	<8.27E-03	0.00E+00	8.27E-03
				Cs-134	<1.09E-02	0.00E+00	1.09E-02
				Cs-137	<1.04E-02	0.00E+00	1.04E-02
				Be-7	1.29E-01	3.64E-02	5.66E-02
				K-40	<2.75E-01	0.00E+00	2.75E-01

Sample ID:	227858	Sample Dates:	1/23/2012 - 1/30/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.38E-02	1.39E-03	3.52E-03
				I-131	<5.35E-03	0.00E+00	5.35E-03
				Cs-134	<6.38E-03	0.00E+00	6.38E-03
				Cs-137	<7.43E-03	0.00E+00	7.43E-03
				Be-7	1.52E-01	3.10E-02	5.09E-02
				K-40	<1.85E-01	0.00E+00	1.85E-01

Sample ID:	228125	Sample Dates:	1/30/2012 - 2/6/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.82E-02	1.46E-03	3.39E-03
				I-131	<5.32E-03	0.00E+00	5.32E-03
				Cs-134	<6.68E-03	0.00E+00	6.68E-03
				Cs-137	<7.11E-03	0.00E+00	7.11E-03
				Be-7	1.54E-01	2.85E-02	4.80E-02
				K-40	<1.89E-01	0.00E+00	1.89E-01

Sample ID:	229436	Sample Dates:	2/6/2012 - 2/13/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.48E-02	1.62E-03	3.39E-03
				I-131	<5.33E-03	0.00E+00	5.33E-03
				Cs-134	<8.35E-03	0.00E+00	8.35E-03
				Cs-137	<9.15E-03	0.00E+00	9.15E-03
				Be-7	8.36E-02	2.36E-02	6.31E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 084 [INDICATOR - NNE @ 2.58 miles]

Sample ID:	229436	Sample Dates:	2/6/2012 - 2/13/2012	Nuclide	Activity	1 Sigma Error	LLD
				K-40	<1.93E-01	0.00E+00	1.93E-01
Sample ID:	230062	Sample Dates:	2/13/2012 - 2/20/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.76E-02	1.39E-03	3.07E-03
				I-131	<4.65E-03	0.00E+00	4.65E-03
				Cs-134	<7.28E-03	0.00E+00	7.28E-03
				Cs-137	<9.68E-03	0.00E+00	9.68E-03
				Be-7	1.27E-01	3.00E-02	5.27E-02
				K-40	<2.04E-01	0.00E+00	2.04E-01
Sample ID:	230737	Sample Dates:	2/20/2012 - 2/27/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.69E-02	1.37E-03	3.02E-03
				I-131	<4.28E-03	0.00E+00	4.28E-03
				Cs-134	<1.10E-02	0.00E+00	1.10E-02
				Cs-137	<1.06E-02	0.00E+00	1.06E-02
				Be-7	1.44E-01	3.25E-02	7.75E-02
				K-40	1.56E-01	5.20E-02	1.43E-01
Sample ID:	230946	Sample Dates:	2/27/2012 - 3/5/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.12E-02	1.33E-03	3.51E-03
				I-131	<1.75E-02	0.00E+00	1.75E-02
				Cs-134	<1.47E-02	0.00E+00	1.47E-02
				Cs-137	<1.74E-02	0.00E+00	1.74E-02
				Be-7	1.71E-01	6.32E-02	1.37E-01
				K-40	<3.16E-01	0.00E+00	3.16E-01
Sample ID:	231656	Sample Dates:	3/5/2012 - 3/12/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.67E-02	1.45E-03	3.42E-03
				I-131	<9.19E-03	0.00E+00	9.19E-03
				Cs-134	<5.68E-03	0.00E+00	5.68E-03
				Cs-137	<7.51E-03	0.00E+00	7.51E-03
				Be-7	2.21E-01	3.20E-02	5.28E-02
				K-40	1.89E-01	6.94E-02	1.06E-01
Sample ID:	232470	Sample Dates:	3/12/2012 - 3/19/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.35E-02	1.35E-03	3.36E-03
				I-131	<6.66E-03	0.00E+00	6.66E-03
				Cs-134	<6.20E-03	0.00E+00	6.20E-03
				Cs-137	<8.37E-03	0.00E+00	8.37E-03
				Be-7	1.56E-01	3.03E-02	6.31E-02
				K-40	<2.36E-01	0.00E+00	2.36E-01
Sample ID:	233310	Sample Dates:	3/19/2012 - 3/26/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.59E-02	1.40E-03	3.33E-03
				I-131	<8.58E-03	0.00E+00	8.58E-03
				Cs-134	<1.07E-02	0.00E+00	1.07E-02
				Cs-137	<7.98E-03	0.00E+00	7.98E-03
				Be-7	1.68E-01	4.22E-02	8.27E-02
				K-40	<2.42E-01	0.00E+00	2.42E-01
Sample ID:	233551	Sample Dates:	3/26/2012 - 4/2/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.88E-02	1.40E-03	2.99E-03
				I-131	<1.87E-02	0.00E+00	1.87E-02
				Cs-134	<1.91E-02	0.00E+00	1.91E-02
				Cs-137	<1.60E-02	0.00E+00	1.60E-02
				Be-7	2.13E-01	4.65E-02	1.31E-01
				K-40	<5.48E-01	0.00E+00	5.48E-01
Sample ID:	234469	Sample Dates:	4/2/2012 - 4/9/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.75E-02	1.49E-03	3.53E-03
				I-131	<8.55E-03	0.00E+00	8.55E-03
				Cs-134	<8.16E-03	0.00E+00	8.16E-03
				Cs-137	<9.98E-03	0.00E+00	9.98E-03
				Be-7	2.02E-01	3.37E-02	7.49E-02
				K-40	<1.91E-01	0.00E+00	1.91E-01
Sample ID:	234897	Sample Dates:	4/9/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.03E-02	1.56E-03	3.62E-03
				I-131	<1.57E-02	0.00E+00	1.57E-02
				Cs-134	<1.01E-02	0.00E+00	1.01E-02
				Cs-137	<1.20E-02	0.00E+00	1.20E-02
				Be-7	1.91E-01	6.03E-02	1.34E-01

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 084 [INDICATOR - NNE @ 2.58 miles]

Sample ID:	234897	Sample Dates:	4/9/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				K-40	<4.68E-01	0.00E+00	4.68E-01
Sample ID:	235219	Sample Dates:	4/16/2012 - 4/23/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.42E-02	1.31E-03	3.07E-03
				I-131	<1.93E-02	0.00E+00	1.93E-02
				Cs-134	<1.80E-02	0.00E+00	1.80E-02
				Cs-137	<1.89E-02	0.00E+00	1.89E-02
				Be-7	1.88E-01	6.75E-02	1.54E-01
				K-40	<4.21E-01	0.00E+00	4.21E-01
Sample ID:	235404	Sample Dates:	4/23/2012 - 4/30/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.67E-02	1.64E-03	3.34E-03
				I-131	<5.52E-03	0.00E+00	5.52E-03
				Cs-134	<9.72E-03	0.00E+00	9.72E-03
				Cs-137	<1.04E-02	0.00E+00	1.04E-02
				Be-7	1.92E-01	2.96E-02	1.24E-02
				K-40	<1.66E-01	0.00E+00	1.66E-01
Sample ID:	235742	Sample Dates:	4/30/2012 - 5/7/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.59E-02	1.40E-03	3.28E-03
				I-131	<8.45E-03	0.00E+00	8.45E-03
				Cs-134	<8.65E-03	0.00E+00	8.65E-03
				Cs-137	<1.13E-02	0.00E+00	1.13E-02
				Be-7	2.18E-01	4.53E-02	7.36E-02
				K-40	<2.46E-01	0.00E+00	2.46E-01
Sample ID:	235988	Sample Dates:	5/7/2012 - 5/14/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.63E-02	1.38E-03	3.14E-03
				I-131	<7.06E-03	0.00E+00	7.06E-03
				Cs-134	<5.64E-03	0.00E+00	5.64E-03
				Cs-137	<5.58E-03	0.00E+00	5.58E-03
				Be-7	1.96E-01	2.62E-02	4.23E-02
				K-40	3.58E-01	5.74E-02	2.48E-02
Sample ID:	236198	Sample Dates:	5/14/2012 - 5/21/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.71E-02	1.48E-03	3.59E-03
				I-131	<7.66E-03	0.00E+00	7.66E-03
				Cs-134	<8.65E-03	0.00E+00	8.65E-03
				Cs-137	<9.73E-03	0.00E+00	9.73E-03
				Be-7	2.20E-01	2.93E-02	4.85E-02
				K-40	<2.37E-01	0.00E+00	2.37E-01
Sample ID:	236511	Sample Dates:	5/21/2012 - 5/29/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.32E-02	1.36E-03	2.55E-03
				I-131	<5.64E-03	0.00E+00	5.64E-03
				Cs-134	<5.37E-03	0.00E+00	5.37E-03
				Cs-137	<7.70E-03	0.00E+00	7.70E-03
				Be-7	1.24E-01	2.86E-02	4.83E-02
				K-40	2.01E-01	5.35E-02	8.44E-02
Sample ID:	236810	Sample Dates:	5/29/2012 - 6/4/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.55E-02	1.60E-03	3.98E-03
				I-131	<8.81E-03	0.00E+00	8.81E-03
				Cs-134	<8.67E-03	0.00E+00	8.67E-03
				Cs-137	<1.08E-02	0.00E+00	1.08E-02
				Be-7	1.25E-01	4.58E-02	8.50E-02
				K-40	<2.28E-01	0.00E+00	2.28E-01
Sample ID:	237136	Sample Dates:	6/4/2012 - 6/11/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.83E-02	1.44E-03	3.23E-03
				I-131	<1.52E-02	0.00E+00	1.52E-02
				Cs-134	<1.79E-02	0.00E+00	1.79E-02
				Cs-137	<1.88E-02	0.00E+00	1.88E-02
				Be-7	1.73E-01	4.92E-02	1.31E-01
				K-40	<3.96E-01	0.00E+00	3.96E-01
Sample ID:	237311	Sample Dates:	6/11/2012 - 6/18/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.42E-02	1.31E-03	3.07E-03
				I-131	<7.01E-03	0.00E+00	7.01E-03
				Cs-134	<7.80E-03	0.00E+00	7.80E-03
				Cs-137	<8.34E-03	0.00E+00	8.34E-03
				Be-7	1.60E-01	3.07E-02	4.67E-02

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 084 [INDICATOR - NNE @ 2.58 miles]

Sample ID:	237311	Sample Dates:	6/11/2012 - 6/18/2012	Nuclide	Activity	1 Sigma Error	LLD
				K-40	2.50E-01	5.64E-02	9.75E-02
Sample ID:	237987	Sample Dates:	6/18/2012 - 6/25/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.69E-02	1.57E-03	2.98E-03
				I-131	<1.27E-02	0.00E+00	1.27E-02
				Cs-134	<1.30E-02	0.00E+00	1.30E-02
				Cs-137	<2.26E-02	0.00E+00	2.26E-02
				Be-7	1.42E-01	5.45E-02	1.58E-01
				K-40	<5.07E-01	0.00E+00	5.07E-01
Sample ID:	238739	Sample Dates:	6/25/2012 - 7/2/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.69E-02	1.70E-03	3.52E-03
				I-131	<5.55E-03	0.00E+00	5.55E-03
				Cs-134	<7.26E-03	0.00E+00	7.26E-03
				Cs-137	<2.54E-03	0.00E+00	2.54E-03
				Be-7	4.64E-02	1.59E-02	6.30E-02
				K-40	<1.26E-01	0.00E+00	1.26E-01
Sample ID:	239116	Sample Dates:	7/2/2012 - 7/9/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.73E-02	1.63E-03	3.21E-03
				I-131	<8.41E-03	0.00E+00	8.41E-03
				Cs-134	<8.14E-03	0.00E+00	8.14E-03
				Cs-137	<9.42E-03	0.00E+00	9.42E-03
				Be-7	1.63E-01	3.28E-02	5.33E-02
				K-40	<1.56E-01	0.00E+00	1.56E-01
Sample ID:	239888	Sample Dates:	7/9/2012 - 7/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.41E-02	1.30E-03	3.02E-03
				I-131	<1.62E-02	0.00E+00	1.62E-02
				Cs-134	<1.28E-02	0.00E+00	1.28E-02
				Cs-137	<1.93E-02	0.00E+00	1.93E-02
				Be-7	1.66E-01	4.15E-02	1.14E-01
				K-40	<3.90E-01	0.00E+00	3.90E-01
Sample ID:	240012	Sample Dates:	7/16/2012 - 7/23/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.42E-02	1.36E-03	3.32E-03
				I-131	<5.68E-03	0.00E+00	5.68E-03
				Cs-134	<6.66E-03	0.00E+00	6.66E-03
				Cs-137	<7.95E-03	0.00E+00	7.95E-03
				Be-7	1.44E-01	3.52E-02	5.25E-02
				K-40	<1.88E-01	0.00E+00	1.88E-01
Sample ID:	240334	Sample Dates:	7/23/2012 - 7/30/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.16E-02	1.52E-03	3.20E-03
				I-131	<7.63E-03	0.00E+00	7.63E-03
				Cs-134	<6.33E-03	0.00E+00	6.33E-03
				Cs-137	<8.57E-03	0.00E+00	8.57E-03
				Be-7	1.68E-01	4.25E-02	5.81E-02
				K-40	<2.04E-01	0.00E+00	2.04E-01
Sample ID:	240969	Sample Dates:	7/30/2012 - 8/6/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.20E-02	1.49E-03	3.06E-03
				I-131	<1.54E-02	0.00E+00	1.54E-02
				Cs-134	<1.81E-02	0.00E+00	1.81E-02
				Cs-137	<1.92E-02	0.00E+00	1.92E-02
				Be-7	9.33E-02	4.75E-02	1.33E-01
				K-40	<3.89E-01	0.00E+00	3.89E-01
Sample ID:	241240	Sample Dates:	8/6/2012 - 8/13/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.40E-02	1.33E-03	3.21E-03
				I-131	<6.98E-03	0.00E+00	6.98E-03
				Cs-134	<7.82E-03	0.00E+00	7.82E-03
				Cs-137	<9.71E-03	0.00E+00	9.71E-03
				Be-7	9.52E-02	2.85E-02	5.37E-02
				K-40	3.14E-01	6.22E-02	8.85E-02
Sample ID:	241547	Sample Dates:	8/13/2012 - 8/20/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.56E-02	1.56E-03	3.09E-03
				I-131	<6.81E-03	0.00E+00	6.81E-03
				Cs-134	<4.78E-03	0.00E+00	4.78E-03
				Cs-137	<7.22E-03	0.00E+00	7.22E-03
				Be-7	1.91E-01	3.03E-02	5.45E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 084 [INDICATOR - NNE @ 2.58 miles]

Sample ID:	241547	Sample Dates:	8/13/2012 - 8/20/2012	Nuclide	Activity	1 Sigma Error	LLD
				K-40	<2.14E-01	0.00E+00	2.14E-01
Sample ID:	242136	Sample Dates:	8/20/2012 - 8/27/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	3.33E-02	1.80E-03	3.40E-03
				I-131	<7.76E-03	0.00E+00	7.76E-03
				Cs-134	<8.24E-03	0.00E+00	8.24E-03
				Cs-137	<1.36E-02	0.00E+00	1.36E-02
				Be-7	<1.40E-01	0.00E+00	1.40E-01
				K-40	<2.26E-01	0.00E+00	2.26E-01
Sample ID:	242465	Sample Dates:	8/27/2012 - 9/4/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.26E-02	1.22E-03	3.02E-03
				I-131	<5.18E-03	0.00E+00	5.18E-03
				Cs-134	<7.45E-03	0.00E+00	7.45E-03
				Cs-137	<9.28E-03	0.00E+00	9.28E-03
				Be-7	1.12E-01	3.05E-02	6.73E-02
				K-40	<2.31E-01	0.00E+00	2.31E-01
Sample ID:	242992	Sample Dates:	9/4/2012 - 9/10/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.59E-02	1.60E-03	3.96E-03
				I-131	<2.12E-02	0.00E+00	2.12E-02
				Cs-134	<1.17E-02	0.00E+00	1.17E-02
				Cs-137	<9.44E-03	0.00E+00	9.44E-03
				Be-7	<1.44E-01	0.00E+00	1.44E-01
				K-40	<5.18E-01	0.00E+00	5.18E-01
Sample ID:	243750	Sample Dates:	9/10/2012 - 9/17/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.48E-02	1.61E-03	3.38E-03
				I-131	<1.40E-03	0.00E+00	1.40E-03
				Cs-134	<6.41E-03	0.00E+00	6.41E-03
				Cs-137	<9.07E-03	0.00E+00	9.07E-03
				Be-7	1.69E-01	3.96E-02	6.33E-02
				K-40	<1.86E-01	0.00E+00	1.86E-01
Sample ID:	244155	Sample Dates:	9/17/2012 - 9/24/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.22E-02	1.51E-03	3.10E-03
				I-131	<4.63E-03	0.00E+00	4.63E-03
				Cs-134	<5.67E-03	0.00E+00	5.67E-03
				Cs-137	<7.03E-03	0.00E+00	7.03E-03
				Be-7	1.54E-01	3.73E-02	6.70E-02
				K-40	<1.61E-01	0.00E+00	1.61E-01
Sample ID:	245026	Sample Dates:	9/24/2012 - 10/1/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.76E-02	1.66E-03	3.35E-03
				I-131	<1.13E-02	0.00E+00	1.13E-02
				Cs-134	<1.77E-02	0.00E+00	1.77E-02
				Cs-137	<1.89E-02	0.00E+00	1.89E-02
				Be-7	1.24E-01	6.56E-02	1.56E-01
				K-40	<4.66E-01	0.00E+00	4.66E-01
Sample ID:	245846	Sample Dates:	10/1/2012 - 10/8/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.80E-02	1.66E-03	3.26E-03
				I-131	<8.33E-03	0.00E+00	8.33E-03
				Cs-134	<6.51E-03	0.00E+00	6.51E-03
				Cs-137	<9.57E-03	0.00E+00	9.57E-03
				Be-7	1.79E-01	2.88E-02	3.78E-02
				K-40	<1.80E-01	0.00E+00	1.80E-01
Sample ID:	246701	Sample Dates:	10/8/2012 - 10/15/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.97E-02	1.67E-03	3.20E-03
				I-131	<7.21E-03	0.00E+00	7.21E-03
				Cs-134	<7.60E-03	0.00E+00	7.60E-03
				Cs-137	<9.32E-03	0.00E+00	9.32E-03
				Be-7	9.80E-02	3.22E-02	6.40E-02
				K-40	<1.61E-01	0.00E+00	1.61E-01
Sample ID:	247109	Sample Dates:	10/15/2012 - 10/22/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.22E-02	1.60E-03	3.56E-03
				I-131	<1.55E-02	0.00E+00	1.55E-02
				Cs-134	<2.22E-02	0.00E+00	2.22E-02
				Cs-137	<1.92E-02	0.00E+00	1.92E-02
				Be-7	6.57E-02	4.74E-02	1.32E-01

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 084 [INDICATOR - NNE @ 2.58 miles]

Sample ID:	247109	Sample Dates:	10/15/2012 - 10/22/2012	Nuclide	Activity	1 Sigma Error	LLD
				K-40	<3.19E-01	0.00E+00	3.19E-01
Sample ID:	247425	Sample Dates:	10/22/2012 - 10/29/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.92E-02	1.72E-03	3.53E-03
				I-131	<1.55E-02	0.00E+00	1.55E-02
				Cs-134	<2.05E-02	0.00E+00	2.05E-02
				Cs-137	<1.37E-02	0.00E+00	1.37E-02
				Be-7	<2.05E-01	0.00E+00	2.05E-01
				K-40	<4.42E-01	0.00E+00	4.42E-01
Sample ID:	247763	Sample Dates:	10/29/2012 - 11/5/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.78E-02	1.66E-03	3.31E-03
				I-131	<1.66E-02	0.00E+00	1.66E-02
				Cs-134	<1.47E-02	0.00E+00	1.47E-02
				Cs-137	<2.34E-02	0.00E+00	2.34E-02
				Be-7	2.26E-01	5.52E-02	9.39E-02
				K-40	<4.42E-01	0.00E+00	4.42E-01
Sample ID:	247958	Sample Dates:	11/5/2012 - 11/12/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.84E-02	1.66E-03	3.26E-03
				I-131	<1.47E-02	0.00E+00	1.47E-02
				Cs-134	<1.84E-02	0.00E+00	1.84E-02
				Cs-137	<1.49E-02	0.00E+00	1.49E-02
				Be-7	1.90E-01	5.08E-02	1.32E-01
				K-40	<3.83E-01	0.00E+00	3.83E-01
Sample ID:	248362	Sample Dates:	11/12/2012 - 11/19/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.36E-02	1.74E-03	4.14E-03
				I-131	<1.92E-02	0.00E+00	1.92E-02
				Cs-134	<1.55E-02	0.00E+00	1.55E-02
				Cs-137	<1.82E-02	0.00E+00	1.82E-02
				Be-7	1.57E-01	5.89E-02	1.13E-01
				K-40	<4.46E-01	0.00E+00	4.46E-01
Sample ID:	248641	Sample Dates:	11/19/2012 - 11/26/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.83E-02	1.69E-03	3.43E-03
				I-131	<2.13E-02	0.00E+00	2.13E-02
				Cs-134	<2.17E-02	0.00E+00	2.17E-02
				Cs-137	<1.75E-02	0.00E+00	1.75E-02
				Be-7	3.29E-01	5.82E-02	1.22E-01
				K-40	<4.93E-01	0.00E+00	4.93E-01
Sample ID:	249014	Sample Dates:	11/26/2012 - 12/3/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	3.60E-02	1.80E-03	3.22E-03
				I-131	<1.58E-02	0.00E+00	1.58E-02
				Cs-134	<1.97E-02	0.00E+00	1.97E-02
				Cs-137	<2.58E-02	0.00E+00	2.58E-02
				Be-7	1.53E-01	3.96E-02	8.64E-02
				K-40	<5.53E-01	0.00E+00	5.53E-01
Sample ID:	249253	Sample Dates:	12/3/2012 - 12/10/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.75E-02	1.48E-03	3.56E-03
				I-131	<1.85E-02	0.00E+00	1.85E-02
				Cs-134	<1.64E-02	0.00E+00	1.64E-02
				Cs-137	<2.10E-02	0.00E+00	2.10E-02
				Be-7	<2.11E-01	0.00E+00	2.11E-01
				K-40	<4.60E-01	0.00E+00	4.60E-01
Sample ID:	249451	Sample Dates:	12/10/2012 - 12/17/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.88E-02	1.71E-03	3.46E-03
				I-131	<1.47E-02	0.00E+00	1.47E-02
				Cs-134	<1.74E-02	0.00E+00	1.74E-02
				Cs-137	<2.32E-02	0.00E+00	2.32E-02
				Be-7	1.90E-01	5.69E-02	1.44E-01
				K-40	<4.21E-01	0.00E+00	4.21E-01
Sample ID:	249878	Sample Dates:	12/17/2012 - 12/24/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	2.20E-02	1.51E-03	3.19E-03
				I-131	<1.83E-02	0.00E+00	1.83E-02
				Cs-134	<1.74E-02	0.00E+00	1.74E-02
				Cs-137	<1.50E-02	0.00E+00	1.50E-02
				Be-7	1.69E-01	6.48E-02	1.88E-01

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 084 [INDICATOR - NNE @ 2.58 miles]

Sample ID: 249878	Sample Dates: 12/17/2012 - 12/24/2012	Nuclide	Activity	1 Sigma Error	LLD
		K-40	<3.86E-01	0.00E+00	3.86E-01

Sample ID: 250185	Sample Dates: 12/24/2012 - 12/31/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.46E-02	1.40E-03	3.47E-03
		I-131	<1.57E-02	0.00E+00	1.57E-02
		Cs-134	<2.18E-02	0.00E+00	2.18E-02
		Cs-137	<2.13E-02	0.00E+00	2.13E-02
		Be-7	1.25E-01	4.43E-02	1.50E-01
		K-40	<5.04E-01	0.00E+00	5.04E-01

Sample Point 085 [INDICATOR - NNW @ 0.88 miles]

Sample ID: 227195	Sample Dates: 1/3/2012 - 1/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.54E-02	1.77E-03	3.73E-03
		I-131	<2.69E-02	0.00E+00	2.69E-02
		Cs-134	<2.38E-02	0.00E+00	2.38E-02
		Cs-137	<2.25E-02	0.00E+00	2.25E-02
		Be-7	2.16E-01	5.10E-02	1.28E-01
		K-40	<5.32E-01	0.00E+00	5.32E-01

Sample ID: 227329	Sample Dates: 1/9/2012 - 1/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.18E-02	1.50E-03	3.09E-03
		I-131	<7.78E-03	0.00E+00	7.78E-03
		Cs-134	<7.31E-03	0.00E+00	7.31E-03
		Cs-137	<8.76E-03	0.00E+00	8.76E-03
		Be-7	1.29E-01	3.29E-02	7.12E-02
		K-40	3.07E-01	6.32E-02	1.11E-01

Sample ID: 227543	Sample Dates: 1/16/2012 - 1/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.50E-02	1.58E-03	3.15E-03
		I-131	<1.53E-02	0.00E+00	1.53E-02
		Cs-134	<1.96E-02	0.00E+00	1.96E-02
		Cs-137	<1.59E-02	0.00E+00	1.59E-02
		Be-7	1.49E-01	5.53E-02	1.60E-01
		K-40	<4.37E-01	0.00E+00	4.37E-01

Sample ID: 227865	Sample Dates: 1/23/2012 - 1/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.44E-02	1.41E-03	3.52E-03
		I-131	<1.35E-02	0.00E+00	1.35E-02
		Cs-134	<1.91E-02	0.00E+00	1.91E-02
		Cs-137	<2.30E-02	0.00E+00	2.30E-02
		Be-7	1.83E-01	6.46E-02	1.60E-01
		K-40	<5.12E-01	0.00E+00	5.12E-01

Sample ID: 228132	Sample Dates: 1/30/2012 - 2/6/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.95E-02	1.49E-03	3.39E-03
		I-131	<1.10E-02	0.00E+00	1.10E-02
		Cs-134	<1.49E-02	0.00E+00	1.49E-02
		Cs-137	<1.78E-02	0.00E+00	1.78E-02
		Be-7	1.89E-01	8.15E-02	1.72E-01
		K-40	<3.45E-01	0.00E+00	3.45E-01

Sample ID: 229443	Sample Dates: 2/6/2012 - 2/13/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.58E-02	1.64E-03	3.38E-03
		I-131	<7.44E-03	0.00E+00	7.44E-03
		Cs-134	<8.79E-03	0.00E+00	8.79E-03
		Cs-137	<8.37E-03	0.00E+00	8.37E-03
		Be-7	1.23E-01	3.19E-02	3.81E-02
		K-40	<2.37E-01	0.00E+00	2.37E-01

Sample ID: 230069	Sample Dates: 2/13/2012 - 2/20/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.70E-02	1.38E-03	3.08E-03
		I-131	<8.88E-03	0.00E+00	8.88E-03
		Cs-134	<1.11E-02	0.00E+00	1.11E-02
		Cs-137	<1.19E-02	0.00E+00	1.19E-02
		Be-7	1.08E-01	2.86E-02	7.33E-02
		K-40	1.21E-01	4.57E-02	4.67E-02

Sample ID: 230744	Sample Dates: 2/20/2012 - 2/27/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.68E-02	1.36E-03	3.01E-03
		I-131	<1.64E-02	0.00E+00	1.64E-02
		Cs-134	<1.68E-02	0.00E+00	1.68E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 085 [INDICATOR - NNW @ 0.88 miles]

Sample ID: 230744	Sample Dates: 2/20/2012 - 2/27/2012	Nuclide	Activity	1 Sigma Error	LLD
		Cs-137	<1.29E-02	0.00E+00	1.29E-02
		Be-7	<1.96E-01	0.00E+00	1.96E-01
		K-40	<4.48E-01	0.00E+00	4.48E-01
Sample ID: 230953	Sample Dates: 2/27/2012 - 3/5/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.43E-02	1.40E-03	3.51E-03
		I-131	<6.60E-03	0.00E+00	6.60E-03
		Cs-134	<9.34E-03	0.00E+00	9.34E-03
		Cs-137	<9.32E-03	0.00E+00	9.32E-03
		Be-7	1.31E-01	3.16E-02	6.21E-02
		K-40	<2.40E-01	0.00E+00	2.40E-01
Sample ID: 231663	Sample Dates: 3/5/2012 - 3/12/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.63E-02	1.44E-03	3.44E-03
		I-131	<7.36E-03	0.00E+00	7.36E-03
		Cs-134	<6.27E-03	0.00E+00	6.27E-03
		Cs-137	<7.00E-03	0.00E+00	7.00E-03
		Be-7	1.85E-01	2.99E-02	5.43E-02
		K-40	2.99E-01	5.28E-02	7.87E-02
Sample ID: 232477	Sample Dates: 3/12/2012 - 3/19/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.42E-02	1.37E-03	3.36E-03
		I-131	<6.40E-03	0.00E+00	6.40E-03
		Cs-134	<7.36E-03	0.00E+00	7.36E-03
		Cs-137	<7.99E-03	0.00E+00	7.99E-03
		Be-7	1.08E-01	3.27E-02	5.06E-02
		K-40	<1.40E-01	0.00E+00	1.40E-01
Sample ID: 233317	Sample Dates: 3/19/2012 - 3/26/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.63E-02	1.41E-03	3.33E-03
		I-131	<1.96E-02	0.00E+00	1.96E-02
		Cs-134	<2.34E-02	0.00E+00	2.34E-02
		Cs-137	<1.52E-02	0.00E+00	1.52E-02
		Be-7	2.34E-01	5.67E-02	1.13E-01
		K-40	<4.67E-01	0.00E+00	4.67E-01
Sample ID: 233558	Sample Dates: 3/26/2012 - 4/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.91E-02	1.41E-03	3.00E-03
		I-131	<8.17E-03	0.00E+00	8.17E-03
		Cs-134	<1.02E-02	0.00E+00	1.02E-02
		Cs-137	<1.01E-02	0.00E+00	1.01E-02
		Be-7	1.84E-01	4.20E-02	5.51E-02
		K-40	<2.38E-01	0.00E+00	2.38E-01
Sample ID: 234476	Sample Dates: 4/2/2012 - 4/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.61E-02	1.45E-03	3.52E-03
		I-131	<1.40E-02	0.00E+00	1.40E-02
		Cs-134	<1.51E-02	0.00E+00	1.51E-02
		Cs-137	<1.81E-02	0.00E+00	1.81E-02
		Be-7	1.86E-01	5.58E-02	1.26E-01
		K-40	<3.66E-01	0.00E+00	3.66E-01
Sample ID: 234904	Sample Dates: 4/9/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.73E-02	1.50E-03	3.63E-03
		I-131	<5.95E-03	0.00E+00	5.95E-03
		Cs-134	<6.93E-03	0.00E+00	6.93E-03
		Cs-137	<6.75E-03	0.00E+00	6.75E-03
		Be-7	1.60E-01	3.14E-02	5.63E-02
		K-40	3.42E-01	6.59E-02	7.66E-02
Sample ID: 235226	Sample Dates: 4/16/2012 - 4/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.69E-02	1.38E-03	3.06E-03
		I-131	<1.60E-02	0.00E+00	1.60E-02
		Cs-134	<1.49E-02	0.00E+00	1.49E-02
		Cs-137	<2.16E-02	0.00E+00	2.16E-02
		Be-7	1.35E-01	6.17E-02	1.87E-01
		K-40	<4.51E-01	0.00E+00	4.51E-01
Sample ID: 235411	Sample Dates: 4/23/2012 - 4/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.17E-02	1.53E-03	3.32E-03
		I-131	<1.81E-02	0.00E+00	1.81E-02
		Cs-134	<1.78E-02	0.00E+00	1.78E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 085 [INDICATOR - NNW @ 0.88 miles]

Sample ID: 235411	Sample Dates: 4/23/2012 - 4/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		Cs-137	<1.98E-02	0.00E+00	1.98E-02
		Be-7	2.64E-01	5.19E-02	1.30E-01
		K-40	<3.15E-01	0.00E+00	3.15E-01
Sample ID: 235749	Sample Dates: 4/30/2012 - 5/7/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.78E-02	1.45E-03	3.30E-03
		I-131	<5.97E-03	0.00E+00	5.97E-03
		Cs-134	<6.02E-03	0.00E+00	6.02E-03
		Cs-137	<8.31E-03	0.00E+00	8.31E-03
		Be-7	1.96E-01	2.68E-02	4.16E-02
		K-40	3.98E-01	6.92E-02	9.66E-02
Sample ID: 235995	Sample Dates: 5/7/2012 - 5/14/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.67E-02	1.39E-03	3.13E-03
		I-131	<1.69E-02	0.00E+00	1.69E-02
		Cs-134	<1.61E-02	0.00E+00	1.61E-02
		Cs-137	<2.12E-02	0.00E+00	2.12E-02
		Be-7	2.74E-01	5.37E-02	1.55E-01
		K-40	<4.97E-01	0.00E+00	4.97E-01
Sample ID: 236205	Sample Dates: 5/14/2012 - 5/21/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.69E-02	1.48E-03	3.60E-03
		I-131	<2.06E-02	0.00E+00	2.06E-02
		Cs-134	<1.90E-02	0.00E+00	1.90E-02
		Cs-137	<2.40E-02	0.00E+00	2.40E-02
		Be-7	2.20E-01	5.40E-02	8.83E-02
		K-40	<3.58E-01	0.00E+00	3.58E-01
Sample ID: 236518	Sample Dates: 5/21/2012 - 5/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.39E-02	1.38E-03	2.55E-03
		I-131	<1.64E-02	0.00E+00	1.64E-02
		Cs-134	<1.37E-02	0.00E+00	1.37E-02
		Cs-137	<1.51E-02	0.00E+00	1.51E-02
		Be-7	1.78E-01	4.93E-02	1.16E-01
		K-40	2.56E-01	8.11E-02	1.84E-01
Sample ID: 236817	Sample Dates: 5/29/2012 - 6/4/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.61E-02	1.61E-03	3.98E-03
		I-131	<1.16E-02	0.00E+00	1.16E-02
		Cs-134	<1.06E-02	0.00E+00	1.06E-02
		Cs-137	<1.58E-02	0.00E+00	1.58E-02
		Be-7	1.85E-01	5.06E-02	9.56E-02
		K-40	1.86E-01	6.20E-02	5.58E-02
Sample ID: 237143	Sample Dates: 6/4/2012 - 6/11/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.67E-02	1.40E-03	3.23E-03
		I-131	<1.58E-02	0.00E+00	1.58E-02
		Cs-134	<1.99E-02	0.00E+00	1.99E-02
		Cs-137	<1.88E-02	0.00E+00	1.88E-02
		Be-7	1.75E-01	5.54E-02	1.70E-01
		K-40	<3.18E-01	0.00E+00	3.18E-01
Sample ID: 237318	Sample Dates: 6/11/2012 - 6/18/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.57E-02	1.35E-03	3.08E-03
		I-131	<1.94E-02	0.00E+00	1.94E-02
		Cs-134	<1.72E-02	0.00E+00	1.72E-02
		Cs-137	<1.71E-02	0.00E+00	1.71E-02
		Be-7	<1.84E-01	0.00E+00	1.84E-01
		K-40	<3.59E-01	0.00E+00	3.59E-01
Sample ID: 237994	Sample Dates: 6/18/2012 - 6/25/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.64E-02	1.56E-03	2.98E-03
		I-131	<8.16E-03	0.00E+00	8.16E-03
		Cs-134	<1.12E-02	0.00E+00	1.12E-02
		Cs-137	<1.35E-02	0.00E+00	1.35E-02
		Be-7	1.83E-01	3.94E-02	6.10E-02
		K-40	1.85E-01	5.59E-02	4.55E-02
Sample ID: 238746	Sample Dates: 6/25/2012 - 7/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.84E-02	1.74E-03	3.55E-03
		I-131	<7.20E-03	0.00E+00	7.20E-03
		Cs-134	<6.40E-03	0.00E+00	6.40E-03



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 085 [INDICATOR - NNW @ 0.88 miles]

Sample ID: 238746	Sample Dates: 6/25/2012 - 7/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	2.32E-01	3.85E-02	5.55E-02
		K-40	<2.14E-01	0.00E+00	2.14E-01
Sample ID: 239123	Sample Dates: 7/2/2012 - 7/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.71E-02	1.63E-03	3.22E-03
		I-131	<9.68E-03	0.00E+00	9.68E-03
		Cs-134	<8.74E-03	0.00E+00	8.74E-03
		Cs-137	<6.30E-03	0.00E+00	6.30E-03
		Be-7	2.04E-01	4.87E-02	6.83E-02
		K-40	<2.27E-01	0.00E+00	2.27E-01
Sample ID: 239895	Sample Dates: 7/9/2012 - 7/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.32E-02	1.28E-03	3.03E-03
		I-131	<1.58E-02	0.00E+00	1.58E-02
		Cs-134	<1.75E-02	0.00E+00	1.75E-02
		Cs-137	<1.76E-02	0.00E+00	1.76E-02
		Be-7	9.99E-02	5.96E-02	1.76E-01
		K-40	<3.56E-01	0.00E+00	3.56E-01
Sample ID: 240019	Sample Dates: 7/16/2012 - 7/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.40E-02	1.35E-03	3.32E-03
		I-131	<6.16E-03	0.00E+00	6.16E-03
		Cs-134	<5.41E-03	0.00E+00	5.41E-03
		Cs-137	<8.37E-03	0.00E+00	8.37E-03
		Be-7	1.16E-01	3.00E-02	7.88E-02
		K-40	2.39E-01	6.38E-02	4.61E-02
Sample ID: 240353	Sample Dates: 7/23/2012 - 7/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.41E-02	1.58E-03	3.21E-03
		I-131	<5.94E-03	0.00E+00	5.94E-03
		Cs-134	<9.98E-03	0.00E+00	9.98E-03
		Cs-137	<9.97E-03	0.00E+00	9.97E-03
		Be-7	1.32E-01	2.49E-02	4.91E-02
		K-40	<2.08E-01	0.00E+00	2.08E-01
Sample ID: 240976	Sample Dates: 7/30/2012 - 8/6/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.26E-02	1.50E-03	3.05E-03
		I-131	<1.49E-02	0.00E+00	1.49E-02
		Cs-134	<1.51E-02	0.00E+00	1.51E-02
		Cs-137	<1.71E-02	0.00E+00	1.71E-02
		Be-7	1.06E-01	4.01E-02	1.34E-01
		K-40	<4.45E-01	0.00E+00	4.45E-01
Sample ID: 241247	Sample Dates: 8/6/2012 - 8/13/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.45E-02	1.35E-03	3.22E-03
		I-131	<1.55E-02	0.00E+00	1.55E-02
		Cs-134	<2.03E-02	0.00E+00	2.03E-02
		Cs-137	<2.28E-02	0.00E+00	2.28E-02
		Be-7	2.36E-01	4.92E-02	1.43E-01
		K-40	<3.18E-01	0.00E+00	3.18E-01
Sample ID: 241554	Sample Dates: 8/13/2012 - 8/20/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.74E-02	1.60E-03	3.10E-03
		I-131	<8.69E-03	0.00E+00	8.69E-03
		Cs-134	<8.54E-03	0.00E+00	8.54E-03
		Cs-137	<8.34E-03	0.00E+00	8.34E-03
		Be-7	1.28E-01	3.93E-02	5.16E-02
		K-40	1.46E-01	5.16E-02	4.93E-02
Sample ID: 242143	Sample Dates: 8/20/2012 - 8/27/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	3.53E-02	1.84E-03	3.40E-03
		I-131	<1.80E-02	0.00E+00	1.80E-02
		Cs-134	<1.86E-02	0.00E+00	1.86E-02
		Cs-137	<2.17E-02	0.00E+00	2.17E-02
		Be-7	2.64E-01	6.37E-02	1.45E-01
		K-40	<4.42E-01	0.00E+00	4.42E-01
Sample ID: 242472	Sample Dates: 8/27/2012 - 9/4/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.33E-02	1.24E-03	3.04E-03
		I-131	<1.98E-02	0.00E+00	1.98E-02
		Cs-134	<1.54E-02	0.00E+00	1.54E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 085 [INDICATOR - NNW @ 0.88 miles]

Sample ID: 242472	Sample Dates: 8/27/2012 - 9/4/2012	Nuclide	Activity	1 Sigma Error	LLD
		Cs-137	<1.71E-02	0.00E+00	1.71E-02
		Be-7	<1.89E-01	0.00E+00	1.89E-01
		K-40	<3.40E-01	0.00E+00	3.40E-01
Sample ID: 242999	Sample Dates: 9/4/2012 - 9/10/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.75E-02	1.63E-03	3.96E-03
		I-131	<7.61E-03	0.00E+00	7.61E-03
		Cs-134	<9.76E-03	0.00E+00	9.76E-03
		Cs-137	<7.11E-03	0.00E+00	7.11E-03
		Be-7	1.36E-01	3.24E-02	7.62E-02
		K-40	<2.62E-01	0.00E+00	2.62E-01
Sample ID: 243757	Sample Dates: 9/10/2012 - 9/17/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.37E-02	1.58E-03	3.39E-03
		I-131	<5.72E-03	0.00E+00	5.72E-03
		Cs-134	<6.23E-03	0.00E+00	6.23E-03
		Cs-137	<1.08E-02	0.00E+00	1.08E-02
		Be-7	2.38E-01	3.97E-02	7.24E-02
		K-40	<1.66E-01	0.00E+00	1.66E-01
Sample ID: 244162	Sample Dates: 9/17/2012 - 9/24/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.45E-02	1.56E-03	3.09E-03
		I-131	<7.88E-03	0.00E+00	7.88E-03
		Cs-134	<8.67E-03	0.00E+00	8.67E-03
		Cs-137	<1.15E-02	0.00E+00	1.15E-02
		Be-7	1.58E-01	4.06E-02	6.63E-02
		K-40	1.85E-01	6.09E-02	9.85E-02
Sample ID: 245033	Sample Dates: 9/24/2012 - 10/1/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.91E-02	1.69E-03	3.34E-03
		I-131	<1.52E-02	0.00E+00	1.52E-02
		Cs-134	<2.10E-02	0.00E+00	2.10E-02
		Cs-137	<2.16E-02	0.00E+00	2.16E-02
		Be-7	2.34E-01	4.88E-02	1.48E-01
		K-40	<3.65E-01	0.00E+00	3.65E-01
Sample ID: 245853	Sample Dates: 10/1/2012 - 10/8/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.67E-02	1.63E-03	3.26E-03
		I-131	<8.25E-03	0.00E+00	8.25E-03
		Cs-134	<1.00E-02	0.00E+00	1.00E-02
		Cs-137	<1.19E-02	0.00E+00	1.19E-02
		Be-7	1.82E-01	3.22E-02	5.75E-02
		K-40	<2.73E-01	0.00E+00	2.73E-01
Sample ID: 246708	Sample Dates: 10/8/2012 - 10/15/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.98E-02	1.68E-03	3.22E-03
		I-131	<2.26E-02	0.00E+00	2.26E-02
		Cs-134	<1.74E-02	0.00E+00	1.74E-02
		Cs-137	<2.57E-02	0.00E+00	2.57E-02
		Be-7	<2.41E-01	0.00E+00	2.41E-01
		K-40	<4.92E-01	0.00E+00	4.92E-01
Sample ID: 247116	Sample Dates: 10/15/2012 - 10/22/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.31E-02	1.61E-03	3.55E-03
		I-131	<1.45E-02	0.00E+00	1.45E-02
		Cs-134	<1.65E-02	0.00E+00	1.65E-02
		Cs-137	<2.14E-02	0.00E+00	2.14E-02
		Be-7	<1.68E-01	0.00E+00	1.68E-01
		K-40	<2.77E-01	0.00E+00	2.77E-01
Sample ID: 247432	Sample Dates: 10/22/2012 - 10/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	3.00E-02	1.75E-03	3.54E-03
		I-131	<1.55E-02	0.00E+00	1.55E-02
		Cs-134	<1.73E-02	0.00E+00	1.73E-02
		Cs-137	<2.05E-02	0.00E+00	2.05E-02
		Be-7	1.34E-01	3.71E-02	1.33E-01
		K-40	<3.55E-01	0.00E+00	3.55E-01
Sample ID: 247770	Sample Dates: 10/29/2012 - 11/5/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.94E-02	1.70E-03	3.34E-03
		I-131	<1.84E-02	0.00E+00	1.84E-02
		Cs-134	<1.83E-02	0.00E+00	1.83E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR PARTICULATE Concentration (Activity): pCi/m3

Sample Point 085 [INDICATOR - NNW @ 0.88 miles]

Sample ID: 247770	Sample Dates: 10/29/2012 - 11/5/2012	Nuclide	Activity	1 Sigma Error	LLD
		Cs-137	<2.26E-02	0.00E+00	2.26E-02
		Be-7	<2.05E-01	0.00E+00	2.05E-01
		K-40	<4.69E-01	0.00E+00	4.69E-01
Sample ID: 247965	Sample Dates: 11/5/2012 - 11/12/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.78E-02	1.65E-03	3.28E-03
		I-131	<2.00E-02	0.00E+00	2.00E-02
		Cs-134	<2.19E-02	0.00E+00	2.19E-02
		Cs-137	<2.02E-02	0.00E+00	2.02E-02
		Be-7	1.23E-01	5.31E-02	1.11E-01
Sample ID: 248369	Sample Dates: 11/12/2012 - 11/19/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.40E-02	1.74E-03	4.13E-03
		I-131	<1.84E-02	0.00E+00	1.84E-02
		Cs-134	<2.19E-02	0.00E+00	2.19E-02
		Cs-137	<1.75E-02	0.00E+00	1.75E-02
		Be-7	<2.01E-01	0.00E+00	2.01E-01
Sample ID: 248648	Sample Dates: 11/19/2012 - 11/26/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	3.09E-02	1.75E-03	3.44E-03
		I-131	<1.70E-02	0.00E+00	1.70E-02
		Cs-134	<2.18E-02	0.00E+00	2.18E-02
		Cs-137	<2.25E-02	0.00E+00	2.25E-02
		Be-7	<2.46E-01	0.00E+00	2.46E-01
Sample ID: 249021	Sample Dates: 11/26/2012 - 12/3/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	3.63E-02	1.80E-03	3.22E-03
		I-131	<2.24E-02	0.00E+00	2.24E-02
		Cs-134	<1.89E-02	0.00E+00	1.89E-02
		Cs-137	<1.55E-02	0.00E+00	1.55E-02
		Be-7	2.74E-01	6.49E-02	1.20E-01
Sample ID: 249260	Sample Dates: 12/3/2012 - 12/10/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.87E-02	1.51E-03	3.56E-03
		I-131	<1.37E-02	0.00E+00	1.37E-02
		Cs-134	<2.15E-02	0.00E+00	2.15E-02
		Cs-137	<1.73E-02	0.00E+00	1.73E-02
		Be-7	<2.09E-01	0.00E+00	2.09E-01
Sample ID: 249458	Sample Dates: 12/10/2012 - 12/17/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.47E-02	1.63E-03	3.47E-03
		I-131	<1.74E-02	0.00E+00	1.74E-02
		Cs-134	<1.29E-02	0.00E+00	1.29E-02
		Cs-137	<1.66E-02	0.00E+00	1.66E-02
		Be-7	<1.78E-01	0.00E+00	1.78E-01
Sample ID: 249885	Sample Dates: 12/17/2012 - 12/24/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.47E-02	1.57E-03	3.19E-03
		I-131	<1.99E-02	0.00E+00	1.99E-02
		Cs-134	<1.58E-02	0.00E+00	1.58E-02
		Cs-137	<2.07E-02	0.00E+00	2.07E-02
		Be-7	<2.11E-01	0.00E+00	2.11E-01
Sample ID: 250192	Sample Dates: 12/24/2012 - 12/31/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.43E-02	1.40E-03	3.47E-03
		I-131	<1.58E-02	0.00E+00	1.58E-02
		Cs-134	<1.67E-02	0.00E+00	1.67E-02
		Cs-137	<1.88E-02	0.00E+00	1.88E-02
		Be-7	<1.97E-01	0.00E+00	1.97E-01

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 074 [INDICATOR - NNW @ 2.36 miles]

Sample ID: 227172	Sample Dates: 1/3/2012 - 1/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.38E-03	0.00E+00	9.38E-03
		Cs-134	<1.04E-02	0.00E+00	1.04E-02
		Cs-137	<1.06E-02	0.00E+00	1.06E-02
		Be-7	2.89E-02	2.21E-02	6.14E-02
		K-40	8.80E-01	1.10E-01	1.44E-01
Sample ID: 227306	Sample Dates: 1/9/2012 - 1/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.60E-03	0.00E+00	7.60E-03
		Cs-134	<9.80E-03	0.00E+00	9.80E-03
		Cs-137	<1.10E-02	0.00E+00	1.10E-02
		Be-7	<7.81E-02	0.00E+00	7.81E-02
		K-40	5.99E-01	9.03E-02	1.72E-01
Sample ID: 227520	Sample Dates: 1/16/2012 - 1/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.13E-03	0.00E+00	8.13E-03
		Cs-134	<9.08E-03	0.00E+00	9.08E-03
		Cs-137	<1.34E-02	0.00E+00	1.34E-02
		Be-7	<6.76E-02	0.00E+00	6.76E-02
		K-40	5.15E-01	1.02E-01	1.38E-01
Sample ID: 227842	Sample Dates: 1/23/2012 - 1/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.43E-03	0.00E+00	7.43E-03
		Cs-134	<8.11E-03	0.00E+00	8.11E-03
		Cs-137	<1.13E-02	0.00E+00	1.13E-02
		Be-7	<7.83E-02	0.00E+00	7.83E-02
		K-40	6.45E-01	1.08E-01	1.09E-01
Sample ID: 228109	Sample Dates: 1/30/2012 - 2/6/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.29E-02	0.00E+00	1.29E-02
		Cs-134	<1.38E-02	0.00E+00	1.38E-02
		Cs-137	<1.62E-02	0.00E+00	1.62E-02
		Be-7	<9.44E-02	0.00E+00	9.44E-02
		K-40	4.97E-01	1.06E-01	1.62E-01
Sample ID: 229420	Sample Dates: 2/6/2012 - 2/13/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.34E-03	0.00E+00	7.34E-03
		Cs-134	<8.70E-03	0.00E+00	8.70E-03
		Cs-137	<1.27E-02	0.00E+00	1.27E-02
		Be-7	<1.18E-01	0.00E+00	1.18E-01
		K-40	2.25E-01	1.05E-01	2.32E-01
Sample ID: 230046	Sample Dates: 2/13/2012 - 2/20/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.35E-02	0.00E+00	1.35E-02
		Cs-134	<9.80E-03	0.00E+00	9.80E-03
		Cs-137	<1.40E-02	0.00E+00	1.40E-02
		Be-7	<1.40E-01	0.00E+00	1.40E-01
		K-40	4.87E-01	1.06E-01	6.27E-02
Sample ID: 230721	Sample Dates: 2/20/2012 - 2/27/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.95E-03	0.00E+00	7.95E-03
		Cs-134	<8.36E-03	0.00E+00	8.36E-03
		Cs-137	<1.22E-02	0.00E+00	1.22E-02
		Be-7	<7.96E-02	0.00E+00	7.96E-02
		K-40	4.53E-01	1.08E-01	1.18E-01
Sample ID: 230930	Sample Dates: 2/27/2012 - 3/5/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.09E-03	0.00E+00	9.09E-03
		Cs-134	<9.83E-03	0.00E+00	9.83E-03
		Cs-137	<1.45E-02	0.00E+00	1.45E-02
		Be-7	<6.70E-02	0.00E+00	6.70E-02
		K-40	4.58E-01	9.75E-02	5.62E-02
Sample ID: 231640	Sample Dates: 3/5/2012 - 3/12/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.50E-02	0.00E+00	1.50E-02
		Cs-134	<1.17E-02	0.00E+00	1.17E-02
		Cs-137	<1.75E-02	0.00E+00	1.75E-02
		Be-7	<9.38E-02	0.00E+00	9.38E-02
		K-40	3.78E-01	9.45E-02	1.69E-01
Sample ID: 232454	Sample Dates: 3/12/2012 - 3/19/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.07E-02	0.00E+00	1.07E-02
		Cs-134	<1.20E-02	0.00E+00	1.20E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 074 [INDICATOR - NNW @ 2.36 miles]

Sample ID: 232454	Sample Dates: 3/12/2012 - 3/19/2012	Nuclide	Activity	1 Sigma Error	LLD
		Cs-137	<1.07E-02	0.00E+00	1.07E-02
		Be-7	<9.84E-02	0.00E+00	9.84E-02
		K-40	4.29E-01	1.16E-01	1.49E-01
Sample ID: 233294	Sample Dates: 3/19/2012 - 3/26/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.64E-03	0.00E+00	8.64E-03
		Cs-134	<1.14E-02	0.00E+00	1.14E-02
		Cs-137	<1.34E-02	0.00E+00	1.34E-02
		Be-7	<7.79E-02	0.00E+00	7.79E-02
		K-40	5.13E-01	9.59E-02	1.16E-01
Sample ID: 233535	Sample Dates: 3/26/2012 - 4/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<6.82E-03	0.00E+00	6.82E-03
		Cs-134	<1.32E-02	0.00E+00	1.32E-02
		Cs-137	<1.78E-02	0.00E+00	1.78E-02
		Be-7	<1.07E-01	0.00E+00	1.07E-01
		K-40	3.81E-01	9.24E-02	2.03E-01
Sample ID: 234453	Sample Dates: 4/2/2012 - 4/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.28E-03	0.00E+00	9.28E-03
		Cs-134	<1.08E-02	0.00E+00	1.08E-02
		Cs-137	<1.05E-02	0.00E+00	1.05E-02
		Be-7	<7.13E-02	0.00E+00	7.13E-02
		K-40	5.78E-01	9.87E-02	1.10E-01
Sample ID: 234881	Sample Dates: 4/9/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.23E-02	0.00E+00	1.23E-02
		Cs-134	<1.74E-02	0.00E+00	1.74E-02
		Cs-137	<1.76E-02	0.00E+00	1.76E-02
		Be-7	<1.57E-01	0.00E+00	1.57E-01
		K-40	2.19E-01	1.13E-01	2.43E-01
Sample ID: 235203	Sample Dates: 4/16/2012 - 4/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.47E-02	0.00E+00	1.47E-02
		Cs-134	<1.54E-02	0.00E+00	1.54E-02
		Cs-137	<2.00E-02	0.00E+00	2.00E-02
		Be-7	<1.30E-01	0.00E+00	1.30E-01
		K-40	<3.68E-01	0.00E+00	3.68E-01
Sample ID: 235388	Sample Dates: 4/23/2012 - 4/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.86E-03	0.00E+00	9.86E-03
		Cs-134	<8.74E-03	0.00E+00	8.74E-03
		Cs-137	<1.40E-02	0.00E+00	1.40E-02
		Be-7	<7.43E-02	0.00E+00	7.43E-02
		K-40	2.09E-01	6.30E-02	5.14E-02
Sample ID: 235726	Sample Dates: 4/30/2012 - 5/7/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.43E-03	0.00E+00	8.43E-03
		Cs-134	<9.68E-03	0.00E+00	9.68E-03
		Cs-137	<9.00E-03	0.00E+00	9.00E-03
		Be-7	<7.40E-02	0.00E+00	7.40E-02
		K-40	3.42E-01	6.36E-02	8.47E-02
Sample ID: 235972	Sample Dates: 5/7/2012 - 5/14/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.33E-02	0.00E+00	1.33E-02
		Cs-134	<1.23E-02	0.00E+00	1.23E-02
		Cs-137	<1.48E-02	0.00E+00	1.48E-02
		Be-7	<6.70E-02	0.00E+00	6.70E-02
		K-40	2.06E-01	1.18E-01	2.63E-01
Sample ID: 236182	Sample Dates: 5/14/2012 - 5/21/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.10E-02	0.00E+00	1.10E-02
		Cs-134	<1.59E-02	0.00E+00	1.59E-02
		Cs-137	<1.06E-02	0.00E+00	1.06E-02
		Be-7	<9.73E-02	0.00E+00	9.73E-02
		K-40	<4.82E-01	0.00E+00	4.82E-01
Sample ID: 236495	Sample Dates: 5/21/2012 - 5/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<6.86E-03	0.00E+00	6.86E-03
		Cs-134	<2.46E-03	0.00E+00	2.46E-03
		Cs-137	<1.24E-02	0.00E+00	1.24E-02
		Be-7	<1.20E-01	0.00E+00	1.20E-01

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 074 [INDICATOR - NNW @ 2.36 miles]

Sample ID: 236495	Sample Dates: 5/21/2012 - 5/29/2012	Nuclide K-40	Activity 3.12E-01	1 Sigma Error 9.82E-02	LLD 5.39E-02
Sample ID: 236794	Sample Dates: 5/29/2012 - 6/4/2012	Nuclide I-131 Cs-134 Cs-137 Be-7 K-40	Activity <1.46E-02 <1.16E-02 <2.21E-02 <9.61E-02 4.01E-01	1 Sigma Error 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.36E-01	LLD 1.46E-02 1.16E-02 2.21E-02 9.61E-02 1.99E-01
Sample ID: 237120	Sample Dates: 6/4/2012 - 6/11/2012	Nuclide I-131 Cs-134 Cs-137 Be-7 K-40	Activity <9.10E-03 <1.40E-02 <1.42E-02 <7.18E-02 3.80E-01	1 Sigma Error 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.17E-01	LLD 9.10E-03 1.40E-02 1.42E-02 7.18E-02 2.34E-01
Sample ID: 237295	Sample Dates: 6/11/2012 - 6/18/2012	Nuclide I-131 Cs-134 Cs-137 Be-7 K-40	Activity <1.28E-02 <1.24E-02 <2.17E-02 <1.10E-01 5.06E-01	1 Sigma Error 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.08E-01	LLD 1.28E-02 1.24E-02 2.17E-02 1.10E-01 6.22E-02
Sample ID: 237971	Sample Dates: 6/18/2012 - 6/25/2012	Nuclide I-131 Cs-134 Cs-137 Be-7 K-40	Activity <8.03E-03 <9.66E-03 <1.03E-02 <7.80E-02 6.66E-01	1 Sigma Error 0.00E+00 0.00E+00 0.00E+00 0.00E+00 9.66E-02	LLD 8.03E-03 9.66E-03 1.03E-02 7.80E-02 1.05E-01
Sample ID: 238723	Sample Dates: 6/25/2012 - 7/2/2012	Nuclide I-131 Cs-134 Cs-137 Be-7 K-40	Activity <1.21E-02 <7.75E-03 <1.35E-02 <1.11E-01 3.04E-01	1 Sigma Error 0.00E+00 0.00E+00 0.00E+00 0.00E+00 8.44E-02	LLD 1.21E-02 7.75E-03 1.35E-02 1.11E-01 1.98E-01
Sample ID: 239100	Sample Dates: 7/2/2012 - 7/9/2012	Nuclide I-131 Cs-134 Cs-137 Be-7 K-40	Activity <1.27E-02 <1.90E-02 <1.35E-02 <1.32E-01 <4.68E-01	1 Sigma Error 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	LLD 1.27E-02 1.90E-02 1.35E-02 1.32E-01 4.68E-01
Sample ID: 239872	Sample Dates: 7/9/2012 - 7/16/2012	Nuclide I-131 Cs-134 Cs-137 Be-7 K-40	Activity <1.10E-02 <2.78E-03 <1.31E-02 <8.89E-02 2.91E-01	1 Sigma Error 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.02E-01	LLD 1.10E-02 2.78E-03 1.31E-02 8.89E-02 2.50E-01
Sample ID: 239996	Sample Dates: 7/16/2012 - 7/23/2012	Nuclide I-131 Cs-134 Cs-137 Be-7 K-40	Activity <1.54E-02 <1.40E-02 <1.75E-02 <1.10E-01 <4.31E-01	1 Sigma Error 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00	LLD 1.54E-02 1.40E-02 1.75E-02 1.10E-01 4.31E-01
Sample ID: 240318	Sample Dates: 7/23/2012 - 7/30/2012	Nuclide I-131 Cs-134 Cs-137 Be-7 K-40	Activity <1.34E-02 <1.17E-02 <1.43E-02 <1.27E-01 5.66E-01	1 Sigma Error 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.16E-01	LLD 1.34E-02 1.17E-02 1.43E-02 1.27E-01 1.78E-01
Sample ID: 240953	Sample Dates: 7/30/2012 - 8/6/2012	Nuclide I-131 Cs-134 Cs-137 Be-7 K-40	Activity <9.29E-03 <1.02E-02 <8.43E-03 <7.47E-02 3.90E-01	1 Sigma Error 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.02E-01	LLD 9.29E-03 1.02E-02 8.43E-03 7.47E-02 1.50E-01



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 074 [INDICATOR - NNW @ 2.36 miles]

Sample ID: 241224	Sample Dates: 8/6/2012 - 8/13/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.07E-02	0.00E+00	1.07E-02
		Cs-134	<1.34E-02	0.00E+00	1.34E-02
		Cs-137	<1.52E-02	0.00E+00	1.52E-02
		Be-7	<1.00E-01	0.00E+00	1.00E-01
		K-40	2.86E-01	7.66E-02	5.53E-02
Sample ID: 241531	Sample Dates: 8/13/2012 - 8/20/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.02E-03	0.00E+00	7.02E-03
		Cs-134	<6.87E-03	0.00E+00	6.87E-03
		Cs-137	<9.55E-03	0.00E+00	9.55E-03
		Be-7	<7.46E-02	0.00E+00	7.46E-02
		K-40	6.70E-01	8.95E-02	1.09E-01
Sample ID: 242120	Sample Dates: 8/20/2012 - 8/27/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.59E-03	0.00E+00	7.59E-03
		Cs-134	<9.83E-03	0.00E+00	9.83E-03
		Cs-137	<1.20E-02	0.00E+00	1.20E-02
		Be-7	<4.18E-02	0.00E+00	4.18E-02
		K-40	4.90E-01	9.08E-02	1.15E-01
Sample ID: 242449	Sample Dates: 8/27/2012 - 9/4/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.01E-03	0.00E+00	8.01E-03
		Cs-134	<7.79E-03	0.00E+00	7.79E-03
		Cs-137	<9.26E-03	0.00E+00	9.26E-03
		Be-7	<7.49E-02	0.00E+00	7.49E-02
		K-40	4.40E-01	8.33E-02	1.12E-01
Sample ID: 242976	Sample Dates: 9/4/2012 - 9/10/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.77E-02	0.00E+00	1.77E-02
		Cs-134	<1.51E-02	0.00E+00	1.51E-02
		Cs-137	<1.85E-02	0.00E+00	1.85E-02
		Be-7	<1.06E-01	0.00E+00	1.06E-01
		K-40	3.73E-01	1.28E-01	7.31E-02
Sample ID: 243734	Sample Dates: 9/10/2012 - 9/17/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.63E-03	0.00E+00	9.63E-03
		Cs-134	<9.36E-03	0.00E+00	9.36E-03
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<7.63E-02	0.00E+00	7.63E-02
		K-40	<4.06E-01	0.00E+00	4.06E-01
Sample Point 077 [INDICATOR - SW @ 1 miles]					
Sample ID: 227173	Sample Dates: 1/3/2012 - 1/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.14E-02	0.00E+00	1.14E-02
		Cs-134	<1.50E-02	0.00E+00	1.50E-02
		Cs-137	<3.84E-03	0.00E+00	3.84E-03
		Be-7	<1.15E-01	0.00E+00	1.15E-01
		K-40	4.51E-01	1.10E-01	2.05E-01
Sample ID: 227307	Sample Dates: 1/9/2012 - 1/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.85E-03	0.00E+00	8.85E-03
		Cs-134	<6.90E-03	0.00E+00	6.90E-03
		Cs-137	<1.24E-02	0.00E+00	1.24E-02
		Be-7	<7.23E-02	0.00E+00	7.23E-02
		K-40	<3.42E-01	0.00E+00	3.42E-01
Sample ID: 227521	Sample Dates: 1/16/2012 - 1/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.17E-02	0.00E+00	1.17E-02
		Cs-134	<1.04E-02	0.00E+00	1.04E-02
		Cs-137	<1.22E-02	0.00E+00	1.22E-02
		Be-7	<8.66E-02	0.00E+00	8.66E-02
		K-40	1.42E-01	1.02E-01	1.64E-01
Sample ID: 227843	Sample Dates: 1/23/2012 - 1/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.38E-03	0.00E+00	9.38E-03
		Cs-134	<1.21E-02	0.00E+00	1.21E-02
		Cs-137	<1.07E-02	0.00E+00	1.07E-02
		Be-7	<8.00E-02	0.00E+00	8.00E-02
		K-40	1.69E-01	8.44E-02	1.76E-01

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 077 [INDICATOR - SW @ 1 miles]

Sample ID: 228110	Sample Dates: 1/30/2012 - 2/6/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.29E-02	0.00E+00	1.29E-02
		Cs-134	<1.06E-02	0.00E+00	1.06E-02
		Cs-137	<1.89E-02	0.00E+00	1.89E-02
		Be-7	<1.20E-01	0.00E+00	1.20E-01
		K-40	<4.95E-01	0.00E+00	4.95E-01
Sample ID: 229421	Sample Dates: 2/6/2012 - 2/13/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.94E-03	0.00E+00	9.94E-03
		Cs-134	<9.77E-03	0.00E+00	9.77E-03
		Cs-137	<1.31E-02	0.00E+00	1.31E-02
		Be-7	<6.38E-02	0.00E+00	6.38E-02
		K-40	4.72E-01	7.98E-02	1.60E-01
Sample ID: 230047	Sample Dates: 2/13/2012 - 2/20/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.32E-02	0.00E+00	1.32E-02
		Cs-134	<1.67E-02	0.00E+00	1.67E-02
		Cs-137	<1.50E-02	0.00E+00	1.50E-02
		Be-7	<1.18E-01	0.00E+00	1.18E-01
		K-40	4.86E-01	1.06E-01	6.25E-02
Sample ID: 230722	Sample Dates: 2/20/2012 - 2/27/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.60E-03	0.00E+00	9.60E-03
		Cs-134	<1.28E-02	0.00E+00	1.28E-02
		Cs-137	<1.25E-02	0.00E+00	1.25E-02
		Be-7	<8.19E-02	0.00E+00	8.19E-02
		K-40	3.75E-01	1.06E-01	2.34E-01
Sample ID: 230931	Sample Dates: 2/27/2012 - 3/5/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.98E-03	0.00E+00	8.98E-03
		Cs-134	<5.87E-03	0.00E+00	5.87E-03
		Cs-137	<1.07E-02	0.00E+00	1.07E-02
		Be-7	<6.93E-02	0.00E+00	6.93E-02
		K-40	5.94E-01	8.67E-02	8.97E-02
Sample ID: 231641	Sample Dates: 3/5/2012 - 3/12/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.03E-02	0.00E+00	1.03E-02
		Cs-134	<1.14E-02	0.00E+00	1.14E-02
		Cs-137	<1.36E-02	0.00E+00	1.36E-02
		Be-7	<9.29E-02	0.00E+00	9.29E-02
		K-40	5.59E-01	1.14E-01	1.93E-01
Sample ID: 232455	Sample Dates: 3/12/2012 - 3/19/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.61E-03	0.00E+00	8.61E-03
		Cs-134	<1.06E-02	0.00E+00	1.06E-02
		Cs-137	<1.13E-02	0.00E+00	1.13E-02
		Be-7	<9.23E-02	0.00E+00	9.23E-02
		K-40	3.74E-01	8.13E-02	1.49E-01
Sample ID: 233295	Sample Dates: 3/19/2012 - 3/26/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.16E-02	0.00E+00	1.16E-02
		Cs-134	<2.64E-03	0.00E+00	2.64E-03
		Cs-137	<1.55E-02	0.00E+00	1.55E-02
		Be-7	<6.79E-02	0.00E+00	6.79E-02
		K-40	<3.67E-01	0.00E+00	3.67E-01
Sample ID: 233536	Sample Dates: 3/26/2012 - 4/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.10E-02	0.00E+00	1.10E-02
		Cs-134	<1.20E-02	0.00E+00	1.20E-02
		Cs-137	<1.09E-02	0.00E+00	1.09E-02
		Be-7	<4.69E-02	0.00E+00	4.69E-02
		K-40	3.04E-01	7.60E-02	1.62E-01
Sample ID: 234454	Sample Dates: 4/2/2012 - 4/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.15E-02	0.00E+00	1.15E-02
		Cs-134	<1.02E-02	0.00E+00	1.02E-02
		Cs-137	<1.31E-02	0.00E+00	1.31E-02
		Be-7	<4.54E-02	0.00E+00	4.54E-02
		K-40	3.41E-01	9.47E-02	1.89E-01
Sample ID: 234882	Sample Dates: 4/9/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.11E-02	0.00E+00	1.11E-02
		Cs-134	<1.41E-02	0.00E+00	1.41E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 077 [INDICATOR - SW @ 1 miles]

Sample ID: 234882	Sample Dates: 4/9/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		Cs-137	<1.65E-02	0.00E+00	1.65E-02
		Be-7	<1.10E-01	0.00E+00	1.10E-01
		K-40	2.92E-01	1.09E-01	2.54E-01
Sample ID: 235204	Sample Dates: 4/16/2012 - 4/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.40E-02	0.00E+00	1.40E-02
		Cs-134	<1.49E-02	0.00E+00	1.49E-02
		Cs-137	<1.72E-02	0.00E+00	1.72E-02
		Be-7	<9.99E-02	0.00E+00	9.99E-02
		K-40	3.02E-01	8.37E-02	2.10E-01
Sample ID: 235389	Sample Dates: 4/23/2012 - 4/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.04E-03	0.00E+00	9.04E-03
		Cs-134	<7.47E-03	0.00E+00	7.47E-03
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<6.77E-02	0.00E+00	6.77E-02
		K-40	3.69E-01	6.97E-02	1.86E-01
Sample ID: 235727	Sample Dates: 4/30/2012 - 5/7/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.71E-03	0.00E+00	8.71E-03
		Cs-134	<1.06E-02	0.00E+00	1.06E-02
		Cs-137	<1.20E-02	0.00E+00	1.20E-02
		Be-7	<9.68E-02	0.00E+00	9.68E-02
		K-40	1.98E-01	8.82E-02	1.82E-01
Sample ID: 235973	Sample Dates: 5/7/2012 - 5/14/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.10E-02	0.00E+00	1.10E-02
		Cs-134	<1.19E-02	0.00E+00	1.19E-02
		Cs-137	<1.35E-02	0.00E+00	1.35E-02
		Be-7	<9.41E-02	0.00E+00	9.41E-02
		K-40	<3.94E-01	0.00E+00	3.94E-01
Sample ID: 236183	Sample Dates: 5/14/2012 - 5/21/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.35E-03	0.00E+00	9.35E-03
		Cs-134	<7.96E-03	0.00E+00	7.96E-03
		Cs-137	<8.74E-03	0.00E+00	8.74E-03
		Be-7	<4.98E-02	0.00E+00	4.98E-02
		K-40	8.99E-01	1.03E-01	1.10E-01
Sample ID: 236496	Sample Dates: 5/21/2012 - 5/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.05E-03	0.00E+00	8.05E-03
		Cs-134	<9.24E-03	0.00E+00	9.24E-03
		Cs-137	<1.02E-02	0.00E+00	1.02E-02
		Be-7	<5.10E-02	0.00E+00	5.10E-02
		K-40	2.32E-01	8.16E-02	1.48E-01
Sample ID: 236795	Sample Dates: 5/29/2012 - 6/4/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<2.05E-02	0.00E+00	2.05E-02
		Cs-134	<1.24E-02	0.00E+00	1.24E-02
		Cs-137	<1.61E-02	0.00E+00	1.61E-02
		Be-7	<1.03E-01	0.00E+00	1.03E-01
		K-40	<4.83E-01	0.00E+00	4.83E-01
Sample ID: 237121	Sample Dates: 6/4/2012 - 6/11/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<6.34E-03	0.00E+00	6.34E-03
		Cs-134	<1.09E-02	0.00E+00	1.09E-02
		Cs-137	<1.64E-02	0.00E+00	1.64E-02
		Be-7	<7.57E-02	0.00E+00	7.57E-02
		K-40	2.50E-01	6.92E-02	1.79E-01
Sample ID: 237296	Sample Dates: 6/11/2012 - 6/18/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.67E-03	0.00E+00	7.67E-03
		Cs-134	<2.37E-03	0.00E+00	2.37E-03
		Cs-137	<1.47E-02	0.00E+00	1.47E-02
		Be-7	<5.17E-02	0.00E+00	5.17E-02
		K-40	3.07E-01	1.00E-01	1.67E-01
Sample ID: 237972	Sample Dates: 6/18/2012 - 6/25/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.02E-02	0.00E+00	1.02E-02
		Cs-134	<1.17E-02	0.00E+00	1.17E-02
		Cs-137	<1.45E-02	0.00E+00	1.45E-02
		Be-7	<7.45E-02	0.00E+00	7.45E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m³

Sample Point 077 [INDICATOR - SW @ 1 miles]

Sample ID:	237972	Sample Dates:	6/18/2012 - 6/25/2012	Nuclide	Activity	1 Sigma Error	LLD
				K-40	3.15E-01	1.05E-01	1.48E-01
Sample ID:	238724	Sample Dates:	6/25/2012 - 7/2/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<7.53E-03	0.00E+00	7.53E-03
				Cs-134	<1.30E-02	0.00E+00	1.30E-02
				Cs-137	<1.36E-02	0.00E+00	1.36E-02
				Be-7	<6.18E-02	0.00E+00	6.18E-02
				K-40	3.28E-01	6.70E-02	1.49E-01
Sample ID:	239101	Sample Dates:	7/2/2012 - 7/9/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<7.08E-03	0.00E+00	7.08E-03
				Cs-134	<7.57E-03	0.00E+00	7.57E-03
				Cs-137	<1.17E-02	0.00E+00	1.17E-02
				Be-7	<7.90E-02	0.00E+00	7.90E-02
				K-40	6.29E-01	8.64E-02	8.51E-02
Sample ID:	239873	Sample Dates:	7/9/2012 - 7/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<8.84E-03	0.00E+00	8.84E-03
				Cs-134	<7.77E-03	0.00E+00	7.77E-03
				Cs-137	<1.31E-02	0.00E+00	1.31E-02
				Be-7	<7.83E-02	0.00E+00	7.83E-02
				K-40	6.58E-01	8.88E-02	1.09E-01
Sample ID:	239997	Sample Dates:	7/16/2012 - 7/23/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.30E-02	0.00E+00	1.30E-02
				Cs-134	<1.11E-02	0.00E+00	1.11E-02
				Cs-137	<1.20E-02	0.00E+00	1.20E-02
				Be-7	<1.10E-01	0.00E+00	1.10E-01
				K-40	3.45E-01	1.05E-01	1.73E-01
Sample ID:	240319	Sample Dates:	7/23/2012 - 7/30/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<7.57E-03	0.00E+00	7.57E-03
				Cs-134	<1.04E-02	0.00E+00	1.04E-02
				Cs-137	<1.38E-02	0.00E+00	1.38E-02
				Be-7	<7.12E-02	0.00E+00	7.12E-02
				K-40	<3.36E-01	0.00E+00	3.36E-01
Sample ID:	240954	Sample Dates:	7/30/2012 - 8/6/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<8.01E-03	0.00E+00	8.01E-03
				Cs-134	<1.20E-02	0.00E+00	1.20E-02
				Cs-137	<8.39E-03	0.00E+00	8.39E-03
				Be-7	<7.34E-02	0.00E+00	7.34E-02
				K-40	4.39E-01	7.65E-02	1.22E-01
Sample ID:	241225	Sample Dates:	8/6/2012 - 8/13/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.54E-02	0.00E+00	1.54E-02
				Cs-134	<1.38E-02	0.00E+00	1.38E-02
				Cs-137	<1.66E-02	0.00E+00	1.66E-02
				Be-7	<9.84E-02	0.00E+00	9.84E-02
				K-40	3.70E-01	1.11E-01	6.25E-02
Sample ID:	241532	Sample Dates:	8/13/2012 - 8/20/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<8.98E-03	0.00E+00	8.98E-03
				Cs-134	<9.81E-03	0.00E+00	9.81E-03
				Cs-137	<1.35E-02	0.00E+00	1.35E-02
				Be-7	<7.88E-02	0.00E+00	7.88E-02
				K-40	3.60E-01	8.22E-02	1.52E-01
Sample ID:	242121	Sample Dates:	8/20/2012 - 8/27/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.15E-02	0.00E+00	1.15E-02
				Cs-134	<1.17E-02	0.00E+00	1.17E-02
				Cs-137	<1.32E-02	0.00E+00	1.32E-02
				Be-7	<7.67E-02	0.00E+00	7.67E-02
				K-40	4.76E-01	1.21E-01	1.54E-01
Sample ID:	242450	Sample Dates:	8/27/2012 - 9/4/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<8.26E-03	0.00E+00	8.26E-03
				Cs-134	<9.84E-03	0.00E+00	9.84E-03
				Cs-137	<1.38E-02	0.00E+00	1.38E-02
				Be-7	<6.91E-02	0.00E+00	6.91E-02
				K-40	2.77E-01	5.91E-02	1.12E-01

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 077 [INDICATOR - SW @ 1 miles]

Sample ID: 242977	Sample Dates: 9/4/2012 - 9/10/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.14E-02	0.00E+00	1.14E-02
		Cs-134	<9.59E-03	0.00E+00	9.59E-03
		Cs-137	<1.44E-02	0.00E+00	1.44E-02
		Be-7	<7.54E-02	0.00E+00	7.54E-02
		K-40	4.20E-01	1.02E-01	6.67E-02
Sample ID: 243735	Sample Dates: 9/10/2012 - 9/17/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.08E-03	0.00E+00	7.08E-03
		Cs-134	<8.49E-03	0.00E+00	8.49E-03
		Cs-137	<1.36E-02	0.00E+00	1.36E-02
		Be-7	<8.19E-02	0.00E+00	8.19E-02
		K-40	3.35E-01	1.14E-01	1.53E-01
Sample ID: 244140	Sample Dates: 9/17/2012 - 9/24/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.82E-02	0.00E+00	1.82E-02
		Cs-134	<1.40E-02	0.00E+00	1.40E-02
		Cs-137	<1.22E-02	0.00E+00	1.22E-02
		Be-7	<1.13E-01	0.00E+00	1.13E-01
		K-40	5.16E-01	1.10E-01	2.01E-01
Sample ID: 245012	Sample Dates: 9/24/2012 - 10/1/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.01E-02	0.00E+00	1.01E-02
		Cs-134	<7.92E-03	0.00E+00	7.92E-03
		Cs-137	<1.10E-02	0.00E+00	1.10E-02
		Be-7	<9.42E-02	0.00E+00	9.42E-02
		K-40	3.35E-01	8.38E-02	1.50E-01
Sample ID: 245832	Sample Dates: 10/1/2012 - 10/8/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.54E-03	0.00E+00	9.54E-03
		Cs-134	<1.10E-02	0.00E+00	1.10E-02
		Cs-137	<8.94E-03	0.00E+00	8.94E-03
		Be-7	<7.96E-02	0.00E+00	7.96E-02
		K-40	3.52E-01	8.81E-02	1.60E-01
Sample ID: 246687	Sample Dates: 10/8/2012 - 10/15/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.44E-02	0.00E+00	1.44E-02
		Cs-134	<1.84E-02	0.00E+00	1.84E-02
		Cs-137	<1.38E-02	0.00E+00	1.38E-02
		Be-7	<1.31E-01	0.00E+00	1.31E-01
		K-40	3.34E-01	1.11E-01	6.24E-02
Sample ID: 247095	Sample Dates: 10/15/2012 - 10/22/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.35E-03	0.00E+00	9.35E-03
		Cs-134	<5.66E-03	0.00E+00	5.66E-03
		Cs-137	<8.67E-03	0.00E+00	8.67E-03
		Be-7	<7.48E-02	0.00E+00	7.48E-02
		K-40	2.12E-01	6.70E-02	1.81E-01
Sample ID: 247411	Sample Dates: 10/22/2012 - 10/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.29E-03	0.00E+00	9.29E-03
		Cs-134	<1.03E-02	0.00E+00	1.03E-02
		Cs-137	<1.19E-02	0.00E+00	1.19E-02
		Be-7	<8.46E-02	0.00E+00	8.46E-02
		K-40	2.74E-01	7.60E-02	5.70E-02
Sample ID: 247749	Sample Dates: 10/29/2012 - 11/5/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.31E-03	0.00E+00	8.31E-03
		Cs-134	<8.60E-03	0.00E+00	8.60E-03
		Cs-137	<8.46E-03	0.00E+00	8.46E-03
		Be-7	<8.47E-02	0.00E+00	8.47E-02
		K-40	1.93E-01	9.01E-02	1.79E-01
Sample ID: 247944	Sample Dates: 11/5/2012 - 11/12/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.06E-03	0.00E+00	9.06E-03
		Cs-134	<9.17E-03	0.00E+00	9.17E-03
		Cs-137	<9.46E-03	0.00E+00	9.46E-03
		Be-7	<7.97E-02	0.00E+00	7.97E-02
		K-40	<3.79E-01	0.00E+00	3.79E-01
Sample ID: 248348	Sample Dates: 11/12/2012 - 11/19/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.01E-02	0.00E+00	1.01E-02
		Cs-134	<8.81E-03	0.00E+00	8.81E-03



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 077 [INDICATOR - SW @ 1 miles]

Sample ID: 248348	Sample Dates: 11/12/2012 - 11/19/2012	Nuclide	Activity	1 Sigma Error	LLD
		Cs-137	<9.61E-03	0.00E+00	9.61E-03
		Be-7	<5.75E-02	0.00E+00	5.75E-02
		K-40	2.58E-01	1.04E-01	2.06E-01
Sample ID: 248627	Sample Dates: 11/19/2012 - 11/26/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.30E-02	0.00E+00	1.30E-02
		Cs-134	<1.68E-02	0.00E+00	1.68E-02
		Cs-137	<1.63E-02	0.00E+00	1.63E-02
		Be-7	<1.22E-01	0.00E+00	1.22E-01
		K-40	4.86E-01	1.09E-01	6.57E-02
Sample ID: 249000	Sample Dates: 11/26/2012 - 12/3/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.45E-02	0.00E+00	1.45E-02
		Cs-134	<1.59E-02	0.00E+00	1.59E-02
		Cs-137	<1.56E-02	0.00E+00	1.56E-02
		Be-7	<7.56E-02	0.00E+00	7.56E-02
		K-40	<4.92E-01	0.00E+00	4.92E-01
Sample ID: 249239	Sample Dates: 12/3/2012 - 12/10/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.01E-02	0.00E+00	1.01E-02
		Cs-134	<1.50E-02	0.00E+00	1.50E-02
		Cs-137	<1.38E-02	0.00E+00	1.38E-02
		Be-7	<1.07E-01	0.00E+00	1.07E-01
		K-40	4.04E-01	9.79E-02	6.42E-02
Sample ID: 249437	Sample Dates: 12/10/2012 - 12/17/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<6.62E-03	0.00E+00	6.62E-03
		Cs-134	<8.39E-03	0.00E+00	8.39E-03
		Cs-137	<9.70E-03	0.00E+00	9.70E-03
		Be-7	<6.79E-02	0.00E+00	6.79E-02
		K-40	2.78E-01	7.72E-02	5.79E-02
Sample ID: 249864	Sample Dates: 12/17/2012 - 12/24/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.44E-02	0.00E+00	1.44E-02
		Cs-134	<1.50E-02	0.00E+00	1.50E-02
		Cs-137	<1.21E-02	0.00E+00	1.21E-02
		Be-7	<9.02E-02	0.00E+00	9.02E-02
		K-40	3.37E-01	1.23E-01	2.35E-01
Sample ID: 250171	Sample Dates: 12/24/2012 - 12/31/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.40E-03	0.00E+00	9.40E-03
		Cs-134	<7.72E-03	0.00E+00	7.72E-03
		Cs-137	<1.20E-02	0.00E+00	1.20E-02
		Be-7	<8.52E-02	0.00E+00	8.52E-02
		K-40	4.03E-01	7.49E-02	3.76E-02
Sample Point 078.1 [INDICATOR - WSW @ 0.53 miles]					
Sample ID: 227177	Sample Dates: 1/3/2012 - 1/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.12E-02	0.00E+00	1.12E-02
		Cs-134	<1.31E-02	0.00E+00	1.31E-02
		Cs-137	<1.56E-02	0.00E+00	1.56E-02
		Be-7	<1.11E-01	0.00E+00	1.11E-01
		K-40	4.02E-01	9.48E-02	6.04E-02
Sample ID: 227311	Sample Dates: 1/9/2012 - 1/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.35E-03	0.00E+00	9.35E-03
		Cs-134	<1.14E-02	0.00E+00	1.14E-02
		Cs-137	<1.24E-02	0.00E+00	1.24E-02
		Be-7	<6.41E-02	0.00E+00	6.41E-02
		K-40	2.92E-01	7.53E-02	1.64E-01
Sample ID: 227525	Sample Dates: 1/16/2012 - 1/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.42E-03	0.00E+00	9.42E-03
		Cs-134	<1.47E-02	0.00E+00	1.47E-02
		Cs-137	<1.64E-02	0.00E+00	1.64E-02
		Be-7	<8.23E-02	0.00E+00	8.23E-02
		K-40	4.66E-01	9.92E-02	1.54E-01
Sample ID: 227847	Sample Dates: 1/23/2012 - 1/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.13E-02	0.00E+00	1.13E-02
		Cs-134	<1.31E-02	0.00E+00	1.31E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 078.1 [INDICATOR - WSW @ 0.53 miles]

Sample ID: 227847	Sample Dates: 1/23/2012 - 1/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		Cs-137	<9.19E-03	0.00E+00	9.19E-03
		Be-7	<1.04E-01	0.00E+00	1.04E-01
		K-40	4.62E-01	1.03E-01	1.66E-01
Sample ID: 228114	Sample Dates: 1/30/2012 - 2/6/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.23E-02	0.00E+00	1.23E-02
		Cs-134	<1.54E-02	0.00E+00	1.54E-02
		Cs-137	<1.25E-02	0.00E+00	1.25E-02
		Be-7	<1.15E-01	0.00E+00	1.15E-01
		K-40	3.79E-01	1.07E-01	2.00E-01
Sample ID: 229425	Sample Dates: 2/6/2012 - 2/13/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.77E-03	0.00E+00	7.77E-03
		Cs-134	<9.08E-03	0.00E+00	9.08E-03
		Cs-137	<1.54E-02	0.00E+00	1.54E-02
		Be-7	<8.70E-02	0.00E+00	8.70E-02
		K-40	5.17E-01	8.38E-02	9.91E-02
Sample ID: 230051	Sample Dates: 2/13/2012 - 2/20/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.39E-02	0.00E+00	1.39E-02
		Cs-134	<1.03E-02	0.00E+00	1.03E-02
		Cs-137	<1.47E-02	0.00E+00	1.47E-02
		Be-7	<9.48E-02	0.00E+00	9.48E-02
		K-40	4.56E-01	1.02E-01	2.05E-01
Sample ID: 230726	Sample Dates: 2/20/2012 - 2/27/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.99E-03	0.00E+00	7.99E-03
		Cs-134	<7.60E-03	0.00E+00	7.60E-03
		Cs-137	<1.04E-02	0.00E+00	1.04E-02
		Be-7	<6.72E-02	0.00E+00	6.72E-02
		K-40	5.02E-01	8.04E-02	3.48E-02
Sample ID: 230935	Sample Dates: 2/27/2012 - 3/5/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.98E-03	0.00E+00	8.98E-03
		Cs-134	<8.76E-03	0.00E+00	8.76E-03
		Cs-137	<1.38E-02	0.00E+00	1.38E-02
		Be-7	<6.57E-02	0.00E+00	6.57E-02
		K-40	2.90E-01	8.03E-02	1.45E-01
Sample ID: 231645	Sample Dates: 3/5/2012 - 3/12/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.01E-03	0.00E+00	8.01E-03
		Cs-134	<1.25E-02	0.00E+00	1.25E-02
		Cs-137	<1.38E-02	0.00E+00	1.38E-02
		Be-7	<6.72E-02	0.00E+00	6.72E-02
		K-40	4.16E-01	1.11E-01	1.47E-01
Sample ID: 232459	Sample Dates: 3/12/2012 - 3/19/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.58E-03	0.00E+00	8.58E-03
		Cs-134	<1.05E-02	0.00E+00	1.05E-02
		Cs-137	<9.01E-03	0.00E+00	9.01E-03
		Be-7	<5.59E-02	0.00E+00	5.59E-02
		K-40	4.50E-01	9.34E-02	1.45E-01
Sample ID: 233299	Sample Dates: 3/19/2012 - 3/26/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.12E-02	0.00E+00	1.12E-02
		Cs-134	<9.61E-03	0.00E+00	9.61E-03
		Cs-137	<8.97E-03	0.00E+00	8.97E-03
		Be-7	<9.21E-02	0.00E+00	9.21E-02
		K-40	5.18E-01	8.30E-02	1.26E-01
Sample ID: 233540	Sample Dates: 3/26/2012 - 4/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.77E-03	0.00E+00	8.77E-03
		Cs-134	<9.98E-03	0.00E+00	9.98E-03
		Cs-137	<1.19E-02	0.00E+00	1.19E-02
		Be-7	<6.58E-02	0.00E+00	6.58E-02
		K-40	4.19E-01	7.40E-02	1.42E-01
Sample ID: 234458	Sample Dates: 4/2/2012 - 4/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.29E-03	0.00E+00	8.29E-03
		Cs-134	<1.08E-02	0.00E+00	1.08E-02
		Cs-137	<5.91E-03	0.00E+00	5.91E-03
		Be-7	<5.53E-02	0.00E+00	5.53E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 078.1 [INDICATOR - WSW @ 0.53 miles]

Sample ID:	234458	Sample Dates:	4/2/2012 - 4/9/2012	Nuclide	Activity	1 Sigma Error	LLD
				K-40	<4.21E-01	0.00E+00	4.21E-01
Sample ID:	234886	Sample Dates:	4/9/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<5.93E-03	0.00E+00	5.93E-03
				Cs-134	<1.37E-02	0.00E+00	1.37E-02
				Cs-137	<1.81E-02	0.00E+00	1.81E-02
				Be-7	<7.91E-02	0.00E+00	7.91E-02
				K-40	4.10E-01	9.67E-02	1.63E-01
Sample ID:	235208	Sample Dates:	4/16/2012 - 4/23/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<7.90E-03	0.00E+00	7.90E-03
				Cs-134	<8.34E-03	0.00E+00	8.34E-03
				Cs-137	<1.08E-02	0.00E+00	1.08E-02
				Be-7	<7.12E-02	0.00E+00	7.12E-02
				K-40	4.01E-01	7.32E-02	1.23E-01
Sample ID:	235393	Sample Dates:	4/23/2012 - 4/30/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<7.28E-03	0.00E+00	7.28E-03
				Cs-134	<1.06E-02	0.00E+00	1.06E-02
				Cs-137	<1.20E-02	0.00E+00	1.20E-02
				Be-7	<7.72E-02	0.00E+00	7.72E-02
				K-40	5.38E-01	9.69E-02	9.08E-02
Sample ID:	235731	Sample Dates:	4/30/2012 - 5/7/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<7.40E-03	0.00E+00	7.40E-03
				Cs-134	<8.46E-03	0.00E+00	8.46E-03
				Cs-137	<1.29E-02	0.00E+00	1.29E-02
				Be-7	<6.69E-02	0.00E+00	6.69E-02
				K-40	4.32E-01	9.18E-02	1.24E-01
Sample ID:	235977	Sample Dates:	5/7/2012 - 5/14/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<9.45E-03	0.00E+00	9.45E-03
				Cs-134	<1.11E-02	0.00E+00	1.11E-02
				Cs-137	<1.36E-02	0.00E+00	1.36E-02
				Be-7	<7.23E-02	0.00E+00	7.23E-02
				K-40	6.17E-01	1.14E-01	2.02E-01
Sample ID:	236187	Sample Dates:	5/14/2012 - 5/21/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<9.33E-03	0.00E+00	9.33E-03
				Cs-134	<9.26E-03	0.00E+00	9.26E-03
				Cs-137	<1.20E-02	0.00E+00	1.20E-02
				Be-7	<5.96E-02	0.00E+00	5.96E-02
				K-40	4.10E-01	8.59E-02	1.09E-01
Sample ID:	236500	Sample Dates:	5/21/2012 - 5/29/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<9.80E-03	0.00E+00	9.80E-03
				Cs-134	<8.24E-03	0.00E+00	8.24E-03
				Cs-137	<1.81E-02	0.00E+00	1.81E-02
				Be-7	<8.09E-02	0.00E+00	8.09E-02
				K-40	2.54E-01	9.08E-02	2.12E-01
Sample ID:	236799	Sample Dates:	5/29/2012 - 6/4/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<8.53E-03	0.00E+00	8.53E-03
				Cs-134	<1.09E-02	0.00E+00	1.09E-02
				Cs-137	<8.80E-03	0.00E+00	8.80E-03
				Be-7	<6.64E-02	0.00E+00	6.64E-02
				K-40	5.52E-01	8.84E-02	1.20E-01
Sample ID:	237125	Sample Dates:	6/4/2012 - 6/11/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<7.84E-03	0.00E+00	7.84E-03
				Cs-134	<7.57E-03	0.00E+00	7.57E-03
				Cs-137	<1.11E-02	0.00E+00	1.11E-02
				Be-7	<6.30E-02	0.00E+00	6.30E-02
				K-40	<4.14E-01	0.00E+00	4.14E-01
Sample ID:	237300	Sample Dates:	6/11/2012 - 6/18/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<8.03E-03	0.00E+00	8.03E-03
				Cs-134	<1.04E-02	0.00E+00	1.04E-02
				Cs-137	<1.32E-02	0.00E+00	1.32E-02
				Be-7	<7.58E-02	0.00E+00	7.58E-02
				K-40	3.35E-01	6.70E-02	9.86E-02

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 078.1 [INDICATOR - WSW @ 0.53 miles]

Sample ID: 237976	Sample Dates: 6/18/2012 - 6/25/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.14E-03	0.00E+00	7.14E-03
		Cs-134	<8.85E-03	0.00E+00	8.85E-03
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.89E-02	0.00E+00	1.89E-02
		K-40	3.59E-01	8.24E-02	5.11E-02
Sample ID: 238728	Sample Dates: 6/25/2012 - 7/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.50E-02	0.00E+00	1.50E-02
		Cs-134	<1.62E-02	0.00E+00	1.62E-02
		Cs-137	<1.73E-02	0.00E+00	1.73E-02
		Be-7	<8.67E-02	0.00E+00	8.67E-02
		K-40	3.48E-01	1.11E-01	6.40E-02
Sample ID: 239105	Sample Dates: 7/2/2012 - 7/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.30E-03	0.00E+00	8.30E-03
		Cs-134	<1.21E-02	0.00E+00	1.21E-02
		Cs-137	<1.38E-02	0.00E+00	1.38E-02
		Be-7	<7.12E-02	0.00E+00	7.12E-02
		K-40	1.28E-01	8.10E-02	9.86E-02
Sample ID: 239877	Sample Dates: 7/9/2012 - 7/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.04E-02	0.00E+00	1.04E-02
		Cs-134	<8.84E-03	0.00E+00	8.84E-03
		Cs-137	<1.42E-02	0.00E+00	1.42E-02
		Be-7	<9.53E-02	0.00E+00	9.53E-02
		K-40	3.25E-01	7.69E-02	1.76E-01
Sample ID: 240001	Sample Dates: 7/16/2012 - 7/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.32E-02	0.00E+00	1.32E-02
		Cs-134	<1.29E-02	0.00E+00	1.29E-02
		Cs-137	<1.48E-02	0.00E+00	1.48E-02
		Be-7	<8.21E-02	0.00E+00	8.21E-02
		K-40	<4.41E-01	0.00E+00	4.41E-01
Sample ID: 240323	Sample Dates: 7/23/2012 - 7/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.32E-03	0.00E+00	8.32E-03
		Cs-134	<1.07E-02	0.00E+00	1.07E-02
		Cs-137	<1.12E-02	0.00E+00	1.12E-02
		Be-7	<5.91E-02	0.00E+00	5.91E-02
		K-40	4.88E-01	8.13E-02	1.02E-01
Sample ID: 240958	Sample Dates: 7/30/2012 - 8/6/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.91E-03	0.00E+00	9.91E-03
		Cs-134	<1.17E-02	0.00E+00	1.17E-02
		Cs-137	<1.17E-02	0.00E+00	1.17E-02
		Be-7	<9.24E-02	0.00E+00	9.24E-02
		K-40	3.59E-01	9.14E-02	1.58E-01
Sample ID: 241229	Sample Dates: 8/6/2012 - 8/13/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.69E-03	0.00E+00	7.69E-03
		Cs-134	<1.15E-02	0.00E+00	1.15E-02
		Cs-137	<1.11E-02	0.00E+00	1.11E-02
		Be-7	<5.20E-02	0.00E+00	5.20E-02
		K-40	4.98E-01	8.30E-02	1.01E-01
Sample ID: 241536	Sample Dates: 8/13/2012 - 8/20/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.67E-03	0.00E+00	7.67E-03
		Cs-134	<1.12E-02	0.00E+00	1.12E-02
		Cs-137	<1.05E-02	0.00E+00	1.05E-02
		Be-7	<5.09E-02	0.00E+00	5.09E-02
		K-40	5.22E-01	9.28E-02	9.72E-02
Sample ID: 242125	Sample Dates: 8/20/2012 - 8/27/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.34E-03	0.00E+00	7.34E-03
		Cs-134	<1.22E-02	0.00E+00	1.22E-02
		Cs-137	<1.84E-02	0.00E+00	1.84E-02
		Be-7	<8.20E-02	0.00E+00	8.20E-02
		K-40	<3.80E-01	0.00E+00	3.80E-01
Sample ID: 242454	Sample Dates: 8/27/2012 - 9/4/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<6.35E-03	0.00E+00	6.35E-03
		Cs-134	<1.05E-02	0.00E+00	1.05E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 078.1 [INDICATOR - WSW @ 0.53 miles]

Sample ID: 242454	Sample Dates: 8/27/2012 - 9/4/2012	Nuclide	Activity	1 Sigma Error	LLD
		Cs-137	<7.74E-03	0.00E+00	7.74E-03
		Be-7	<7.06E-02	0.00E+00	7.06E-02
		K-40	<3.52E-01	0.00E+00	3.52E-01
Sample ID: 242981	Sample Dates: 9/4/2012 - 9/10/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.02E-03	0.00E+00	7.02E-03
		Cs-134	<1.63E-02	0.00E+00	1.63E-02
		Cs-137	<2.05E-02	0.00E+00	2.05E-02
		Be-7	<7.05E-02	0.00E+00	7.05E-02
Sample ID: 243739	Sample Dates: 9/10/2012 - 9/17/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.60E-03	0.00E+00	7.60E-03
		Cs-134	<9.52E-03	0.00E+00	9.52E-03
		Cs-137	<1.17E-02	0.00E+00	1.17E-02
		Be-7	<6.23E-02	0.00E+00	6.23E-02
Sample ID: 244144	Sample Dates: 9/17/2012 - 9/24/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<5.63E-03	0.00E+00	5.63E-03
		Cs-134	<9.03E-03	0.00E+00	9.03E-03
		Cs-137	<9.11E-03	0.00E+00	9.11E-03
		Be-7	<7.30E-02	0.00E+00	7.30E-02
Sample ID: 245016	Sample Dates: 9/24/2012 - 10/1/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.20E-02	0.00E+00	1.20E-02
		Cs-134	<1.42E-02	0.00E+00	1.42E-02
		Cs-137	<1.25E-02	0.00E+00	1.25E-02
		Be-7	<9.87E-02	0.00E+00	9.87E-02
Sample ID: 245836	Sample Dates: 10/1/2012 - 10/8/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.02E-02	0.00E+00	1.02E-02
		Cs-134	<9.58E-03	0.00E+00	9.58E-03
		Cs-137	<2.81E-03	0.00E+00	2.81E-03
		Be-7	<7.94E-02	0.00E+00	7.94E-02
Sample ID: 246691	Sample Dates: 10/8/2012 - 10/15/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.07E-03	0.00E+00	8.07E-03
		Cs-134	<1.02E-02	0.00E+00	1.02E-02
		Cs-137	<9.06E-03	0.00E+00	9.06E-03
		Be-7	<5.83E-02	0.00E+00	5.83E-02
Sample ID: 247099	Sample Dates: 10/15/2012 - 10/22/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.17E-03	0.00E+00	7.17E-03
		Cs-134	<1.17E-02	0.00E+00	1.17E-02
		Cs-137	<1.32E-02	0.00E+00	1.32E-02
		Be-7	<5.36E-02	0.00E+00	5.36E-02
Sample ID: 247415	Sample Dates: 10/22/2012 - 10/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.44E-02	0.00E+00	1.44E-02
		Cs-134	<1.52E-02	0.00E+00	1.52E-02
		Cs-137	<1.28E-02	0.00E+00	1.28E-02
		Be-7	<1.12E-01	0.00E+00	1.12E-01
Sample ID: 247753	Sample Dates: 10/29/2012 - 11/5/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.10E-03	0.00E+00	7.10E-03
		Cs-134	<8.98E-03	0.00E+00	8.98E-03
		Cs-137	<9.66E-03	0.00E+00	9.66E-03
		Be-7	<6.81E-02	0.00E+00	6.81E-02
Sample ID: 247948	Sample Dates: 11/5/2012 - 11/12/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.06E-02	0.00E+00	1.06E-02
		Cs-134	<1.27E-02	0.00E+00	1.27E-02
		Cs-137	<1.06E-02	0.00E+00	1.06E-02
		Be-7	<6.23E-02	0.00E+00	6.23E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 078.1 [INDICATOR - WSW @ 0.53 miles]

Sample ID:	247948	Sample Dates:	11/5/2012 - 11/12/2012	Nuclide	Activity	1 Sigma Error	LLD
				K-40	4.06E-01	9.07E-02	5.48E-02
Sample ID:	248352	Sample Dates:	11/12/2012 - 11/19/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<8.31E-03	0.00E+00	8.31E-03
				Cs-134	<1.01E-02	0.00E+00	1.01E-02
				Cs-137	<1.26E-02	0.00E+00	1.26E-02
				Be-7	<7.76E-02	0.00E+00	7.76E-02
				K-40	1.90E-01	7.49E-02	3.90E-02
Sample ID:	248631	Sample Dates:	11/19/2012 - 11/26/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<7.50E-03	0.00E+00	7.50E-03
				Cs-134	<9.39E-03	0.00E+00	9.39E-03
				Cs-137	<8.01E-03	0.00E+00	8.01E-03
				Be-7	<6.32E-02	0.00E+00	6.32E-02
				K-40	2.74E-01	9.99E-02	1.86E-01
Sample ID:	249004	Sample Dates:	11/26/2012 - 12/3/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<6.58E-03	0.00E+00	6.58E-03
				Cs-134	<6.28E-03	0.00E+00	6.28E-03
				Cs-137	<7.81E-03	0.00E+00	7.81E-03
				Be-7	<4.62E-02	0.00E+00	4.62E-02
				K-40	2.93E-01	7.84E-02	5.66E-02
Sample ID:	249243	Sample Dates:	12/3/2012 - 12/10/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<4.73E-03	0.00E+00	4.73E-03
				Cs-134	<1.17E-02	0.00E+00	1.17E-02
				Cs-137	<4.71E-03	0.00E+00	4.71E-03
				Be-7	<7.46E-02	0.00E+00	7.46E-02
				K-40	3.53E-01	8.56E-02	2.64E-01
Sample ID:	249441	Sample Dates:	12/10/2012 - 12/17/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<6.22E-03	0.00E+00	6.22E-03
				Cs-134	<9.40E-03	0.00E+00	9.40E-03
				Cs-137	<7.69E-03	0.00E+00	7.69E-03
				Be-7	<7.61E-02	0.00E+00	7.61E-02
				K-40	1.71E-01	8.02E-02	1.93E-01
Sample ID:	249868	Sample Dates:	12/17/2012 - 12/24/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<8.58E-03	0.00E+00	8.58E-03
				Cs-134	<8.79E-03	0.00E+00	8.79E-03
				Cs-137	<1.18E-02	0.00E+00	1.18E-02
				Be-7	<5.41E-02	0.00E+00	5.41E-02
				K-40	2.95E-01	7.88E-02	5.69E-02
Sample ID:	250175	Sample Dates:	12/24/2012 - 12/31/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.26E-02	0.00E+00	1.26E-02
				Cs-134	<1.11E-02	0.00E+00	1.11E-02
				Cs-137	<1.15E-02	0.00E+00	1.15E-02
				Be-7	<7.98E-02	0.00E+00	7.98E-02
				K-40	3.97E-01	9.36E-02	5.96E-02

Sample Point 079 [INDICATOR - NE @ 0.56 miles]

Sample ID:	227174	Sample Dates:	1/3/2012 - 1/9/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.03E-02	0.00E+00	1.03E-02
				Cs-134	<1.04E-02	0.00E+00	1.04E-02
				Cs-137	<1.15E-02	0.00E+00	1.15E-02
				Be-7	<8.48E-02	0.00E+00	8.48E-02
				K-40	4.25E-01	1.02E-01	1.86E-01
Sample ID:	227308	Sample Dates:	1/9/2012 - 1/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.10E-02	0.00E+00	1.10E-02
				Cs-134	<8.89E-03	0.00E+00	8.89E-03
				Cs-137	<1.41E-02	0.00E+00	1.41E-02
				Be-7	<6.80E-02	0.00E+00	6.80E-02
				K-40	5.02E-01	1.06E-01	1.53E-01
Sample ID:	227522	Sample Dates:	1/16/2012 - 1/23/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<9.22E-03	0.00E+00	9.22E-03
				Cs-134	<8.59E-03	0.00E+00	8.59E-03
				Cs-137	<1.47E-02	0.00E+00	1.47E-02
				Be-7	<8.26E-02	0.00E+00	8.26E-02

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 079 [INDICATOR - NE @ 0.56 miles]

Sample ID:	227522	Sample Dates:	1/16/2012 - 1/23/2012	Nuclide	Activity	1 Sigma Error	LLD
				K-40	3.84E-01	8.69E-02	1.22E-01
Sample ID:	227844	Sample Dates:	1/23/2012 - 1/30/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<8.14E-03	0.00E+00	8.14E-03
				Cs-134	<6.16E-03	0.00E+00	6.16E-03
				Cs-137	<1.21E-02	0.00E+00	1.21E-02
				Be-7	<6.08E-02	0.00E+00	6.08E-02
				K-40	5.34E-01	1.02E-01	1.02E-01
Sample ID:	228111	Sample Dates:	1/30/2012 - 2/6/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<7.44E-03	0.00E+00	7.44E-03
				Cs-134	<1.16E-02	0.00E+00	1.16E-02
				Cs-137	<1.29E-02	0.00E+00	1.29E-02
				Be-7	<7.42E-02	0.00E+00	7.42E-02
				K-40	<4.18E-01	0.00E+00	4.18E-01
Sample ID:	229422	Sample Dates:	2/6/2012 - 2/13/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<8.32E-03	0.00E+00	8.32E-03
				Cs-134	<1.10E-02	0.00E+00	1.10E-02
				Cs-137	<1.51E-02	0.00E+00	1.51E-02
				Be-7	<4.85E-02	0.00E+00	4.85E-02
				K-40	<4.07E-01	0.00E+00	4.07E-01
Sample ID:	230048	Sample Dates:	2/13/2012 - 2/20/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<8.48E-03	0.00E+00	8.48E-03
				Cs-134	<1.07E-02	0.00E+00	1.07E-02
				Cs-137	<1.46E-02	0.00E+00	1.46E-02
				Be-7	<7.01E-02	0.00E+00	7.01E-02
				K-40	2.50E-01	9.28E-02	1.67E-01
Sample ID:	230723	Sample Dates:	2/20/2012 - 2/27/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.07E-02	0.00E+00	1.07E-02
				Cs-134	<1.02E-02	0.00E+00	1.02E-02
				Cs-137	<1.22E-02	0.00E+00	1.22E-02
				Be-7	<7.13E-02	0.00E+00	7.13E-02
				K-40	4.96E-01	1.05E-01	1.63E-01
Sample ID:	230932	Sample Dates:	2/27/2012 - 3/5/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.36E-02	0.00E+00	1.36E-02
				Cs-134	<1.18E-02	0.00E+00	1.18E-02
				Cs-137	<1.21E-02	0.00E+00	1.21E-02
				Be-7	<1.02E-01	0.00E+00	1.02E-01
				K-40	3.14E-01	8.40E-02	6.07E-02
Sample ID:	231642	Sample Dates:	3/5/2012 - 3/12/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<7.58E-03	0.00E+00	7.58E-03
				Cs-134	<1.01E-02	0.00E+00	1.01E-02
				Cs-137	<1.39E-02	0.00E+00	1.39E-02
				Be-7	<6.75E-02	0.00E+00	6.75E-02
				K-40	4.93E-01	1.12E-01	1.21E-01
Sample ID:	232456	Sample Dates:	3/12/2012 - 3/19/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<6.17E-03	0.00E+00	6.17E-03
				Cs-134	<7.58E-03	0.00E+00	7.58E-03
				Cs-137	<8.73E-03	0.00E+00	8.73E-03
				Be-7	<4.84E-02	0.00E+00	4.84E-02
				K-40	2.77E-01	7.02E-02	1.22E-01
Sample ID:	233296	Sample Dates:	3/19/2012 - 3/26/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<6.40E-03	0.00E+00	6.40E-03
				Cs-134	<8.68E-03	0.00E+00	8.68E-03
				Cs-137	<7.58E-03	0.00E+00	7.58E-03
				Be-7	<6.12E-02	0.00E+00	6.12E-02
				K-40	4.01E-01	1.07E-01	2.14E-01
Sample ID:	233537	Sample Dates:	3/26/2012 - 4/2/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<8.16E-03	0.00E+00	8.16E-03
				Cs-134	<7.41E-03	0.00E+00	7.41E-03
				Cs-137	<9.05E-03	0.00E+00	9.05E-03
				Be-7	<5.06E-02	0.00E+00	5.06E-02
				K-40	4.64E-01	7.63E-02	9.52E-02

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 079 [INDICATOR - NE @ 0.56 miles]

Sample ID: 234455	Sample Dates: 4/2/2012 - 4/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.15E-03	0.00E+00	8.15E-03
		Cs-134	<8.93E-03	0.00E+00	8.93E-03
		Cs-137	<9.97E-03	0.00E+00	9.97E-03
		Be-7	<6.24E-02	0.00E+00	6.24E-02
		K-40	4.48E-01	7.68E-02	9.84E-02
Sample ID: 234883	Sample Dates: 4/9/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<6.27E-03	0.00E+00	6.27E-03
		Cs-134	<1.23E-02	0.00E+00	1.23E-02
		Cs-137	<1.29E-02	0.00E+00	1.29E-02
		Be-7	<1.11E-01	0.00E+00	1.11E-01
		K-40	<3.49E-01	0.00E+00	3.49E-01
Sample ID: 235205	Sample Dates: 4/16/2012 - 4/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.73E-03	0.00E+00	9.73E-03
		Cs-134	<1.11E-02	0.00E+00	1.11E-02
		Cs-137	<1.35E-02	0.00E+00	1.35E-02
		Be-7	<1.06E-01	0.00E+00	1.06E-01
		K-40	3.67E-01	1.45E-01	2.89E-01
Sample ID: 235390	Sample Dates: 4/23/2012 - 4/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.33E-02	0.00E+00	1.33E-02
		Cs-134	<9.60E-03	0.00E+00	9.60E-03
		Cs-137	<1.32E-02	0.00E+00	1.32E-02
		Be-7	<1.14E-01	0.00E+00	1.14E-01
		K-40	2.95E-01	8.18E-02	2.63E-01
Sample ID: 235728	Sample Dates: 4/30/2012 - 5/7/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.10E-02	0.00E+00	1.10E-02
		Cs-134	<1.37E-02	0.00E+00	1.37E-02
		Cs-137	<1.14E-02	0.00E+00	1.14E-02
		Be-7	<1.06E-01	0.00E+00	1.06E-01
		K-40	3.76E-01	8.64E-02	2.11E-01
Sample ID: 235974	Sample Dates: 5/7/2012 - 5/14/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.21E-02	0.00E+00	1.21E-02
		Cs-134	<9.42E-03	0.00E+00	9.42E-03
		Cs-137	<1.25E-02	0.00E+00	1.25E-02
		Be-7	<6.20E-02	0.00E+00	6.20E-02
		K-40	3.69E-01	8.79E-02	1.61E-01
Sample ID: 236184	Sample Dates: 5/14/2012 - 5/21/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.22E-02	0.00E+00	1.22E-02
		Cs-134	<1.38E-02	0.00E+00	1.38E-02
		Cs-137	<1.71E-02	0.00E+00	1.71E-02
		Be-7	<8.45E-02	0.00E+00	8.45E-02
		K-40	<4.27E-01	0.00E+00	4.27E-01
Sample ID: 236497	Sample Dates: 5/21/2012 - 5/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.86E-03	0.00E+00	8.86E-03
		Cs-134	<1.01E-02	0.00E+00	1.01E-02
		Cs-137	<1.08E-02	0.00E+00	1.08E-02
		Be-7	<5.87E-02	0.00E+00	5.87E-02
		K-40	2.31E-01	7.65E-02	1.84E-01
Sample ID: 236796	Sample Dates: 5/29/2012 - 6/4/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.40E-02	0.00E+00	1.40E-02
		Cs-134	<1.64E-02	0.00E+00	1.64E-02
		Cs-137	<1.52E-02	0.00E+00	1.52E-02
		Be-7	<7.04E-02	0.00E+00	7.04E-02
		K-40	<5.90E-01	0.00E+00	5.90E-01
Sample ID: 237122	Sample Dates: 6/4/2012 - 6/11/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.06E-02	0.00E+00	1.06E-02
		Cs-134	<1.06E-02	0.00E+00	1.06E-02
		Cs-137	<1.56E-02	0.00E+00	1.56E-02
		Be-7	<9.53E-02	0.00E+00	9.53E-02
		K-40	3.98E-01	9.13E-02	5.66E-02
Sample ID: 237297	Sample Dates: 6/11/2012 - 6/18/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.04E-02	0.00E+00	1.04E-02
		Cs-134	<1.03E-02	0.00E+00	1.03E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 079 [INDICATOR - NE @ 0.56 miles]

Sample ID: 237297	Sample Dates: 6/11/2012 - 6/18/2012	Nuclide	Activity	1 Sigma Error	LLD
		Cs-137	<1.26E-02	0.00E+00	1.26E-02
		Be-7	<6.65E-02	0.00E+00	6.65E-02
		K-40	3.76E-01	7.11E-02	9.88E-02
Sample ID: 237973	Sample Dates: 6/18/2012 - 6/25/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.14E-02	0.00E+00	1.14E-02
		Cs-134	<1.34E-02	0.00E+00	1.34E-02
		Cs-137	<1.46E-02	0.00E+00	1.46E-02
		Be-7	<9.15E-02	0.00E+00	9.15E-02
Sample ID: 238725	Sample Dates: 6/25/2012 - 7/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.09E-02	0.00E+00	1.09E-02
		Cs-134	<9.82E-03	0.00E+00	9.82E-03
		Cs-137	<1.76E-02	0.00E+00	1.76E-02
		Be-7	<8.49E-02	0.00E+00	8.49E-02
Sample ID: 239102	Sample Dates: 7/2/2012 - 7/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.43E-03	0.00E+00	9.43E-03
		Cs-134	<9.10E-03	0.00E+00	9.10E-03
		Cs-137	<1.56E-02	0.00E+00	1.56E-02
		Be-7	<8.83E-02	0.00E+00	8.83E-02
Sample ID: 239874	Sample Dates: 7/9/2012 - 7/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.49E-03	0.00E+00	8.49E-03
		Cs-134	<7.48E-03	0.00E+00	7.48E-03
		Cs-137	<1.03E-02	0.00E+00	1.03E-02
		Be-7	<6.77E-02	0.00E+00	6.77E-02
Sample ID: 239998	Sample Dates: 7/16/2012 - 7/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<6.15E-03	0.00E+00	6.15E-03
		Cs-134	<8.97E-03	0.00E+00	8.97E-03
		Cs-137	<1.60E-02	0.00E+00	1.60E-02
		Be-7	<8.12E-02	0.00E+00	8.12E-02
Sample ID: 240320	Sample Dates: 7/23/2012 - 7/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.23E-03	0.00E+00	8.23E-03
		Cs-134	<8.98E-03	0.00E+00	8.98E-03
		Cs-137	<1.27E-02	0.00E+00	1.27E-02
		Be-7	<4.74E-02	0.00E+00	4.74E-02
Sample ID: 240955	Sample Dates: 7/30/2012 - 8/6/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<5.76E-03	0.00E+00	5.76E-03
		Cs-134	<7.81E-03	0.00E+00	7.81E-03
		Cs-137	<1.08E-02	0.00E+00	1.08E-02
		Be-7	<7.79E-02	0.00E+00	7.79E-02
Sample ID: 241226	Sample Dates: 8/6/2012 - 8/13/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.36E-03	0.00E+00	9.36E-03
		Cs-134	<1.16E-02	0.00E+00	1.16E-02
		Cs-137	<1.36E-02	0.00E+00	1.36E-02
		Be-7	<7.50E-02	0.00E+00	7.50E-02
Sample ID: 241533	Sample Dates: 8/13/2012 - 8/20/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.38E-02	0.00E+00	1.38E-02
		Cs-134	<1.47E-02	0.00E+00	1.47E-02
		Cs-137	<1.94E-02	0.00E+00	1.94E-02
		Be-7	<1.08E-01	0.00E+00	1.08E-01
Sample ID: 242122	Sample Dates: 8/20/2012 - 8/27/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.12E-03	0.00E+00	9.12E-03
		Cs-134	<1.00E-02	0.00E+00	1.00E-02
		Cs-137	<9.64E-03	0.00E+00	9.64E-03
		Be-7	<6.68E-02	0.00E+00	6.68E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 079 [INDICATOR - NE @ 0.56 miles]

Sample ID:	242122	Sample Dates:	8/20/2012 - 8/27/2012	Nuclide	Activity	1 Sigma Error	LLD
				K-40	6.51E-01	9.03E-02	9.09E-02
Sample ID:	242451	Sample Dates:	8/27/2012 - 9/4/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.05E-02	0.00E+00	1.05E-02
				Cs-134	<8.94E-03	0.00E+00	8.94E-03
				Cs-137	<1.60E-02	0.00E+00	1.60E-02
				Be-7	<9.36E-02	0.00E+00	9.36E-02
				K-40	<3.84E-01	0.00E+00	3.84E-01
Sample ID:	242978	Sample Dates:	9/4/2012 - 9/10/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.66E-02	0.00E+00	1.66E-02
				Cs-134	<1.87E-02	0.00E+00	1.87E-02
				Cs-137	<2.06E-02	0.00E+00	2.06E-02
				Be-7	<1.30E-01	0.00E+00	1.30E-01
				K-40	3.78E-01	1.01E-01	7.30E-02
Sample ID:	243736	Sample Dates:	9/10/2012 - 9/17/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.65E-02	0.00E+00	1.65E-02
				Cs-134	<1.55E-02	0.00E+00	1.55E-02
				Cs-137	<1.33E-02	0.00E+00	1.33E-02
				Be-7	<1.12E-01	0.00E+00	1.12E-01
				K-40	3.43E-01	8.85E-02	6.18E-02
Sample ID:	244141	Sample Dates:	9/17/2012 - 9/24/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<8.80E-03	0.00E+00	8.80E-03
				Cs-134	<9.40E-03	0.00E+00	9.40E-03
				Cs-137	<1.35E-02	0.00E+00	1.35E-02
				Be-7	<5.05E-02	0.00E+00	5.05E-02
				K-40	<4.16E-01	0.00E+00	4.16E-01
Sample ID:	245013	Sample Dates:	9/24/2012 - 10/1/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<5.74E-03	0.00E+00	5.74E-03
				Cs-134	<8.00E-03	0.00E+00	8.00E-03
				Cs-137	<1.07E-02	0.00E+00	1.07E-02
				Be-7	<5.32E-02	0.00E+00	5.32E-02
				K-40	3.70E-01	6.35E-02	2.94E-02
Sample ID:	245833	Sample Dates:	10/1/2012 - 10/8/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<9.00E-03	0.00E+00	9.00E-03
				Cs-134	<9.75E-03	0.00E+00	9.75E-03
				Cs-137	<9.71E-03	0.00E+00	9.71E-03
				Be-7	<5.80E-02	0.00E+00	5.80E-02
				K-40	4.17E-01	7.60E-02	9.90E-02
Sample ID:	246688	Sample Dates:	10/8/2012 - 10/15/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.45E-02	0.00E+00	1.45E-02
				Cs-134	<1.47E-02	0.00E+00	1.47E-02
				Cs-137	<1.79E-02	0.00E+00	1.79E-02
				Be-7	<1.09E-01	0.00E+00	1.09E-01
				K-40	3.51E-01	9.07E-02	1.69E-01
Sample ID:	247096	Sample Dates:	10/15/2012 - 10/22/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.14E-02	0.00E+00	1.14E-02
				Cs-134	<9.79E-03	0.00E+00	9.79E-03
				Cs-137	<7.75E-03	0.00E+00	7.75E-03
				Be-7	<9.58E-02	0.00E+00	9.58E-02
				K-40	<3.70E-01	0.00E+00	3.70E-01
Sample ID:	247412	Sample Dates:	10/22/2012 - 10/29/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<9.22E-03	0.00E+00	9.22E-03
				Cs-134	<9.18E-03	0.00E+00	9.18E-03
				Cs-137	<1.27E-02	0.00E+00	1.27E-02
				Be-7	<4.62E-02	0.00E+00	4.62E-02
				K-40	<4.37E-01	0.00E+00	4.37E-01
Sample ID:	247750	Sample Dates:	10/29/2012 - 11/5/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<9.78E-03	0.00E+00	9.78E-03
				Cs-134	<9.03E-03	0.00E+00	9.03E-03
				Cs-137	<1.24E-02	0.00E+00	1.24E-02
				Be-7	<6.90E-02	0.00E+00	6.90E-02
				K-40	4.45E-01	7.87E-02	1.26E-01



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 079 [INDICATOR - NE @ 0.56 miles]

Sample ID:	247945	Sample Dates:	11/5/2012 - 11/12/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.00E-02	0.00E+00	1.00E-02
				Cs-134	<9.46E-03	0.00E+00	9.46E-03
				Cs-137	<1.49E-02	0.00E+00	1.49E-02
				Be-7	<7.75E-02	0.00E+00	7.75E-02
				K-40	3.93E-01	7.90E-02	3.84E-02

Sample ID:	248349	Sample Dates:	11/12/2012 - 11/19/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<7.80E-03	0.00E+00	7.80E-03
				Cs-134	<1.24E-02	0.00E+00	1.24E-02
				Cs-137	<9.84E-03	0.00E+00	9.84E-03
				Be-7	<6.96E-02	0.00E+00	6.96E-02
				K-40	4.88E-01	8.24E-02	1.00E-01

Sample ID:	248628	Sample Dates:	11/19/2012 - 11/26/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<8.15E-03	0.00E+00	8.15E-03
				Cs-134	<6.36E-03	0.00E+00	6.36E-03
				Cs-137	<1.04E-02	0.00E+00	1.04E-02
				Be-7	<5.98E-02	0.00E+00	5.98E-02
				K-40	<4.08E-01	0.00E+00	4.08E-01

Sample ID:	249001	Sample Dates:	11/26/2012 - 12/3/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<8.59E-03	0.00E+00	8.59E-03
				Cs-134	<9.70E-03	0.00E+00	9.70E-03
				Cs-137	<7.89E-03	0.00E+00	7.89E-03
				Be-7	<6.38E-02	0.00E+00	6.38E-02
				K-40	3.36E-01	9.95E-02	1.70E-01

Sample ID:	249240	Sample Dates:	12/3/2012 - 12/10/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<7.71E-03	0.00E+00	7.71E-03
				Cs-134	<9.53E-03	0.00E+00	9.53E-03
				Cs-137	<1.49E-02	0.00E+00	1.49E-02
				Be-7	<9.55E-02	0.00E+00	9.55E-02
				K-40	3.41E-01	8.26E-02	1.49E-01

Sample ID:	249438	Sample Dates:	12/10/2012 - 12/17/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<7.24E-03	0.00E+00	7.24E-03
				Cs-134	<6.44E-03	0.00E+00	6.44E-03
				Cs-137	<8.58E-03	0.00E+00	8.58E-03
				Be-7	<5.83E-02	0.00E+00	5.83E-02
				K-40	5.38E-01	1.08E-01	1.54E-01

Sample ID:	249865	Sample Dates:	12/17/2012 - 12/24/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.61E-02	0.00E+00	1.61E-02
				Cs-134	<1.35E-02	0.00E+00	1.35E-02
				Cs-137	<1.30E-02	0.00E+00	1.30E-02
				Be-7	<8.52E-02	0.00E+00	8.52E-02
				K-40	<3.55E-01	0.00E+00	3.55E-01

Sample ID:	250172	Sample Dates:	12/24/2012 - 12/31/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<6.78E-03	0.00E+00	6.78E-03
				Cs-134	<6.36E-03	0.00E+00	6.36E-03
				Cs-137	<1.03E-02	0.00E+00	1.03E-02
				Be-7	<6.00E-02	0.00E+00	6.00E-02
				K-40	2.14E-01	8.76E-02	2.28E-01

Sample Point 081 [CONTROL - SE @ 9.33 miles]

Sample ID:	227175	Sample Dates:	1/3/2012 - 1/9/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.12E-02	0.00E+00	1.12E-02
				Cs-134	<1.02E-02	0.00E+00	1.02E-02
				Cs-137	<9.55E-03	0.00E+00	9.55E-03
				Be-7	<6.96E-02	0.00E+00	6.96E-02
				K-40	<4.08E-01	0.00E+00	4.08E-01

Sample ID:	227309	Sample Dates:	1/9/2012 - 1/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<9.62E-03	0.00E+00	9.62E-03
				Cs-134	<1.11E-02	0.00E+00	1.11E-02
				Cs-137	<1.31E-02	0.00E+00	1.31E-02
				Be-7	<7.60E-02	0.00E+00	7.60E-02
				K-40	2.78E-01	7.41E-02	1.17E-01



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 081 [CONTROL - SE @ 9.33 miles]

Sample ID: 227523	Sample Dates: 1/16/2012 - 1/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<6.74E-03	0.00E+00	6.74E-03
		Cs-134	<1.10E-02	0.00E+00	1.10E-02
		Cs-137	<1.37E-02	0.00E+00	1.37E-02
		Be-7	<5.11E-02	0.00E+00	5.11E-02
		K-40	3.66E-01	8.39E-02	5.20E-02
Sample ID: 227845	Sample Dates: 1/23/2012 - 1/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.18E-02	0.00E+00	1.18E-02
		Cs-134	<1.07E-02	0.00E+00	1.07E-02
		Cs-137	<2.04E-02	0.00E+00	2.04E-02
		Be-7	<8.27E-02	0.00E+00	8.27E-02
		K-40	3.65E-01	9.14E-02	1.91E-01
Sample ID: 228112	Sample Dates: 1/30/2012 - 2/6/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.20E-03	0.00E+00	8.20E-03
		Cs-134	<1.23E-02	0.00E+00	1.23E-02
		Cs-137	<1.27E-02	0.00E+00	1.27E-02
		Be-7	<6.07E-02	0.00E+00	6.07E-02
		K-40	5.04E-01	8.18E-02	1.24E-01
Sample ID: 229423	Sample Dates: 2/6/2012 - 2/13/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.41E-02	0.00E+00	1.41E-02
		Cs-134	<1.26E-02	0.00E+00	1.26E-02
		Cs-137	<1.08E-02	0.00E+00	1.08E-02
		Be-7	<1.10E-01	0.00E+00	1.10E-01
		K-40	4.60E-01	1.03E-01	1.68E-01
Sample ID: 230049	Sample Dates: 2/13/2012 - 2/20/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.13E-03	0.00E+00	8.13E-03
		Cs-134	<9.47E-03	0.00E+00	9.47E-03
		Cs-137	<1.06E-02	0.00E+00	1.06E-02
		Be-7	<8.98E-02	0.00E+00	8.98E-02
		K-40	4.94E-01	8.11E-02	3.60E-02
Sample ID: 230724	Sample Dates: 2/20/2012 - 2/27/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<6.31E-03	0.00E+00	6.31E-03
		Cs-134	<7.47E-03	0.00E+00	7.47E-03
		Cs-137	<2.79E-03	0.00E+00	2.79E-03
		Be-7	<9.74E-02	0.00E+00	9.74E-02
		K-40	3.52E-01	1.06E-01	1.44E-01
Sample ID: 230933	Sample Dates: 2/27/2012 - 3/5/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.36E-02	0.00E+00	1.36E-02
		Cs-134	<1.36E-02	0.00E+00	1.36E-02
		Cs-137	<1.50E-02	0.00E+00	1.50E-02
		Be-7	<1.33E-01	0.00E+00	1.33E-01
		K-40	<3.67E-01	0.00E+00	3.67E-01
Sample ID: 231643	Sample Dates: 3/5/2012 - 3/12/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.17E-03	0.00E+00	7.17E-03
		Cs-134	<7.48E-03	0.00E+00	7.48E-03
		Cs-137	<8.98E-03	0.00E+00	8.98E-03
		Be-7	<3.76E-02	0.00E+00	3.76E-02
		K-40	4.69E-01	8.78E-02	9.92E-02
Sample ID: 232457	Sample Dates: 3/12/2012 - 3/19/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.10E-02	0.00E+00	1.10E-02
		Cs-134	<8.86E-03	0.00E+00	8.86E-03
		Cs-137	<1.11E-02	0.00E+00	1.11E-02
		Be-7	<8.85E-02	0.00E+00	8.85E-02
		K-40	3.14E-01	8.66E-02	3.61E-02
Sample ID: 233297	Sample Dates: 3/19/2012 - 3/26/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.37E-03	0.00E+00	7.37E-03
		Cs-134	<7.93E-03	0.00E+00	7.93E-03
		Cs-137	<7.40E-03	0.00E+00	7.40E-03
		Be-7	<6.87E-02	0.00E+00	6.87E-02
		K-40	3.81E-01	7.75E-02	1.23E-01
Sample ID: 233538	Sample Dates: 3/26/2012 - 4/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.72E-03	0.00E+00	8.72E-03
		Cs-134	<9.34E-03	0.00E+00	9.34E-03



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 081 [CONTROL - SE @ 9.33 miles]

Sample ID: 233538	Sample Dates: 3/26/2012 - 4/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		Cs-137	<1.54E-02	0.00E+00	1.54E-02
		Be-7	<8.61E-02	0.00E+00	8.61E-02
		K-40	4.00E-01	9.17E-02	1.56E-01
Sample ID: 234456	Sample Dates: 4/2/2012 - 4/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.43E-03	0.00E+00	9.43E-03
		Cs-134	<1.13E-02	0.00E+00	1.13E-02
		Cs-137	<5.58E-03	0.00E+00	5.58E-03
		Be-7	<7.65E-02	0.00E+00	7.65E-02
Sample ID: 234884	Sample Dates: 4/9/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.80E-03	0.00E+00	7.80E-03
		Cs-134	<1.17E-02	0.00E+00	1.17E-02
		Cs-137	<1.12E-02	0.00E+00	1.12E-02
		Be-7	<7.55E-02	0.00E+00	7.55E-02
Sample ID: 235206	Sample Dates: 4/16/2012 - 4/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.01E-02	0.00E+00	1.01E-02
		Cs-134	<1.20E-02	0.00E+00	1.20E-02
		Cs-137	<1.24E-02	0.00E+00	1.24E-02
		Be-7	<6.25E-02	0.00E+00	6.25E-02
Sample ID: 235391	Sample Dates: 4/23/2012 - 4/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.09E-03	0.00E+00	8.09E-03
		Cs-134	<9.93E-03	0.00E+00	9.93E-03
		Cs-137	<1.14E-02	0.00E+00	1.14E-02
		Be-7	<5.81E-02	0.00E+00	5.81E-02
Sample ID: 235729	Sample Dates: 4/30/2012 - 5/7/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.15E-02	0.00E+00	1.15E-02
		Cs-134	<1.12E-02	0.00E+00	1.12E-02
		Cs-137	<1.64E-02	0.00E+00	1.64E-02
		Be-7	<9.31E-02	0.00E+00	9.31E-02
Sample ID: 235975	Sample Dates: 5/7/2012 - 5/14/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.30E-02	0.00E+00	1.30E-02
		Cs-134	<1.30E-02	0.00E+00	1.30E-02
		Cs-137	<1.70E-02	0.00E+00	1.70E-02
		Be-7	<1.00E-01	0.00E+00	1.00E-01
Sample ID: 236185	Sample Dates: 5/14/2012 - 5/21/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.04E-03	0.00E+00	9.04E-03
		Cs-134	<8.84E-03	0.00E+00	8.84E-03
		Cs-137	<1.20E-02	0.00E+00	1.20E-02
		Be-7	<7.42E-02	0.00E+00	7.42E-02
Sample ID: 236498	Sample Dates: 5/21/2012 - 5/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<6.96E-03	0.00E+00	6.96E-03
		Cs-134	<9.64E-03	0.00E+00	9.64E-03
		Cs-137	<1.29E-02	0.00E+00	1.29E-02
		Be-7	<6.81E-02	0.00E+00	6.81E-02
Sample ID: 236797	Sample Dates: 5/29/2012 - 6/4/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.43E-03	0.00E+00	9.43E-03
		Cs-134	<1.11E-02	0.00E+00	1.11E-02
		Cs-137	<1.42E-02	0.00E+00	1.42E-02
		Be-7	<1.30E-01	0.00E+00	1.30E-01
Sample ID: 237123	Sample Dates: 6/4/2012 - 6/11/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.44E-02	0.00E+00	1.44E-02
		Cs-134	<9.41E-03	0.00E+00	9.41E-03
		Cs-137	<1.91E-02	0.00E+00	1.91E-02
		Be-7	<8.93E-02	0.00E+00	8.93E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 081 [CONTROL - SE @ 9.33 miles]

Sample ID:	237123	Sample Dates:	6/4/2012 - 6/11/2012	Nuclide	Activity	1 Sigma Error	LLD
				K-40	<4.25E-01	0.00E+00	4.25E-01
Sample ID:	237298	Sample Dates:	6/11/2012 - 6/18/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<8.57E-03	0.00E+00	8.57E-03
				Cs-134	<1.05E-02	0.00E+00	1.05E-02
				Cs-137	<1.45E-02	0.00E+00	1.45E-02
				Be-7	<7.59E-02	0.00E+00	7.59E-02
				K-40	6.83E-01	1.16E-01	1.24E-01
Sample ID:	237974	Sample Dates:	6/18/2012 - 6/25/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<9.38E-03	0.00E+00	9.38E-03
				Cs-134	<9.62E-03	0.00E+00	9.62E-03
				Cs-137	<8.94E-03	0.00E+00	8.94E-03
				Be-7	<4.82E-02	0.00E+00	4.82E-02
				K-40	4.34E-01	7.13E-02	8.47E-02
Sample ID:	238726	Sample Dates:	6/25/2012 - 7/2/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<7.37E-03	0.00E+00	7.37E-03
				Cs-134	<6.34E-03	0.00E+00	6.34E-03
				Cs-137	<1.66E-02	0.00E+00	1.66E-02
				Be-7	<7.18E-02	0.00E+00	7.18E-02
				K-40	3.72E-01	8.53E-02	5.29E-02
Sample ID:	239103	Sample Dates:	7/2/2012 - 7/9/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<8.20E-03	0.00E+00	8.20E-03
				Cs-134	<9.33E-03	0.00E+00	9.33E-03
				Cs-137	<8.60E-03	0.00E+00	8.60E-03
				Be-7	<7.20E-02	0.00E+00	7.20E-02
				K-40	3.68E-01	8.40E-02	1.22E-01
Sample ID:	239875	Sample Dates:	7/9/2012 - 7/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.14E-02	0.00E+00	1.14E-02
				Cs-134	<1.15E-02	0.00E+00	1.15E-02
				Cs-137	<1.32E-02	0.00E+00	1.32E-02
				Be-7	<7.95E-02	0.00E+00	7.95E-02
				K-40	5.43E-01	8.37E-02	1.25E-01
Sample ID:	239999	Sample Dates:	7/16/2012 - 7/23/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<7.74E-03	0.00E+00	7.74E-03
				Cs-134	<1.17E-02	0.00E+00	1.17E-02
				Cs-137	<1.35E-02	0.00E+00	1.35E-02
				Be-7	<5.24E-02	0.00E+00	5.24E-02
				K-40	4.32E-01	8.83E-02	9.49E-02
Sample ID:	240321	Sample Dates:	7/23/2012 - 7/30/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.04E-02	0.00E+00	1.04E-02
				Cs-134	<1.14E-02	0.00E+00	1.14E-02
				Cs-137	<2.09E-02	0.00E+00	2.09E-02
				Be-7	<6.64E-02	0.00E+00	6.64E-02
				K-40	<4.24E-01	0.00E+00	4.24E-01
Sample ID:	240956	Sample Dates:	7/30/2012 - 8/6/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<9.38E-03	0.00E+00	9.38E-03
				Cs-134	<1.14E-02	0.00E+00	1.14E-02
				Cs-137	<1.46E-02	0.00E+00	1.46E-02
				Be-7	<9.14E-02	0.00E+00	9.14E-02
				K-40	2.29E-01	7.23E-02	6.18E-02
Sample ID:	241227	Sample Dates:	8/6/2012 - 8/13/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<8.91E-03	0.00E+00	8.91E-03
				Cs-134	<7.45E-03	0.00E+00	7.45E-03
				Cs-137	<1.07E-02	0.00E+00	1.07E-02
				Be-7	<5.88E-02	0.00E+00	5.88E-02
				K-40	6.02E-01	1.21E-01	1.45E-01
Sample ID:	241534	Sample Dates:	8/13/2012 - 8/20/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<9.44E-03	0.00E+00	9.44E-03
				Cs-134	<1.36E-02	0.00E+00	1.36E-02
				Cs-137	<1.53E-02	0.00E+00	1.53E-02
				Be-7	<7.87E-02	0.00E+00	7.87E-02
				K-40	3.22E-01	8.59E-02	2.20E-01

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 081 [CONTROL - SE @ 9.33 miles]

Sample ID: 242123	Sample Dates: 8/20/2012 - 8/27/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.13E-02	0.00E+00	1.13E-02
		Cs-134	<1.02E-02	0.00E+00	1.02E-02
		Cs-137	<1.58E-02	0.00E+00	1.58E-02
		Be-7	<1.24E-01	0.00E+00	1.24E-01
		K-40	4.10E-01	1.20E-01	2.23E-01
Sample ID: 242452	Sample Dates: 8/27/2012 - 9/4/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.68E-02	0.00E+00	1.68E-02
		Cs-134	<1.11E-02	0.00E+00	1.11E-02
		Cs-137	<1.60E-02	0.00E+00	1.60E-02
		Be-7	<9.23E-02	0.00E+00	9.23E-02
		K-40	3.45E-01	8.38E-02	1.76E-01
Sample ID: 242979	Sample Dates: 9/4/2012 - 9/10/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.88E-03	0.00E+00	9.88E-03
		Cs-134	<1.24E-02	0.00E+00	1.24E-02
		Cs-137	<1.17E-02	0.00E+00	1.17E-02
		Be-7	<7.99E-02	0.00E+00	7.99E-02
		K-40	2.78E-01	1.29E-01	2.71E-01
Sample ID: 243737	Sample Dates: 9/10/2012 - 9/17/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<4.87E-03	0.00E+00	4.87E-03
		Cs-134	<2.31E-03	0.00E+00	2.31E-03
		Cs-137	<9.42E-03	0.00E+00	9.42E-03
		Be-7	<7.28E-02	0.00E+00	7.28E-02
		K-40	2.51E-01	7.25E-02	1.75E-01
Sample ID: 244142	Sample Dates: 9/17/2012 - 9/24/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.02E-03	0.00E+00	9.02E-03
		Cs-134	<1.21E-02	0.00E+00	1.21E-02
		Cs-137	<1.24E-02	0.00E+00	1.24E-02
		Be-7	<7.83E-02	0.00E+00	7.83E-02
		K-40	3.79E-01	8.70E-02	1.50E-01
Sample ID: 245014	Sample Dates: 9/24/2012 - 10/1/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.46E-03	0.00E+00	9.46E-03
		Cs-134	<7.98E-03	0.00E+00	7.98E-03
		Cs-137	<1.11E-02	0.00E+00	1.11E-02
		Be-7	<6.83E-02	0.00E+00	6.83E-02
		K-40	3.37E-01	8.43E-02	5.70E-02
Sample ID: 245834	Sample Dates: 10/1/2012 - 10/8/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.65E-03	0.00E+00	9.65E-03
		Cs-134	<1.36E-02	0.00E+00	1.36E-02
		Cs-137	<2.92E-03	0.00E+00	2.92E-03
		Be-7	<7.29E-02	0.00E+00	7.29E-02
		K-40	2.66E-01	9.15E-02	1.76E-01
Sample ID: 246689	Sample Dates: 10/8/2012 - 10/15/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<4.00E-03	0.00E+00	4.00E-03
		Cs-134	<8.73E-03	0.00E+00	8.73E-03
		Cs-137	<8.84E-03	0.00E+00	8.84E-03
		Be-7	<6.34E-02	0.00E+00	6.34E-02
		K-40	2.86E-01	7.65E-02	2.33E-01
Sample ID: 247097	Sample Dates: 10/15/2012 - 10/22/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.72E-03	0.00E+00	8.72E-03
		Cs-134	<9.56E-03	0.00E+00	9.56E-03
		Cs-137	<1.16E-02	0.00E+00	1.16E-02
		Be-7	<7.07E-02	0.00E+00	7.07E-02
		K-40	2.40E-01	7.22E-02	1.59E-01
Sample ID: 247413	Sample Dates: 10/22/2012 - 10/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.03E-03	0.00E+00	8.03E-03
		Cs-134	<7.98E-03	0.00E+00	7.98E-03
		Cs-137	<1.24E-02	0.00E+00	1.24E-02
		Be-7	<1.71E-02	0.00E+00	1.71E-02
		K-40	<3.34E-01	0.00E+00	3.34E-01
Sample ID: 247751	Sample Dates: 10/29/2012 - 11/5/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.57E-03	0.00E+00	9.57E-03
		Cs-134	<1.43E-02	0.00E+00	1.43E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 081 [CONTROL - SE @ 9.33 miles]

Sample ID: 247751	Sample Dates: 10/29/2012 - 11/5/2012	Nuclide	Activity	1 Sigma Error	LLD
		Cs-137	<1.70E-02	0.00E+00	1.70E-02
		Be-7	<1.12E-01	0.00E+00	1.12E-01
		K-40	3.30E-01	8.53E-02	5.95E-02
Sample ID: 247946	Sample Dates: 11/5/2012 - 11/12/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.63E-03	0.00E+00	9.63E-03
		Cs-134	<9.35E-03	0.00E+00	9.35E-03
		Cs-137	<1.10E-02	0.00E+00	1.10E-02
		Be-7	<5.02E-02	0.00E+00	5.02E-02
Sample ID: 248350	Sample Dates: 11/12/2012 - 11/19/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.80E-03	0.00E+00	9.80E-03
		Cs-134	<8.95E-03	0.00E+00	8.95E-03
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.03E-01	0.00E+00	1.03E-01
Sample ID: 248629	Sample Dates: 11/19/2012 - 11/26/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.28E-02	0.00E+00	1.28E-02
		Cs-134	<1.08E-02	0.00E+00	1.08E-02
		Cs-137	<1.82E-02	0.00E+00	1.82E-02
		Be-7	<8.07E-02	0.00E+00	8.07E-02
Sample ID: 249002	Sample Dates: 11/26/2012 - 12/3/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.04E-03	0.00E+00	8.04E-03
		Cs-134	<9.61E-03	0.00E+00	9.61E-03
		Cs-137	<1.40E-02	0.00E+00	1.40E-02
		Be-7	<8.84E-02	0.00E+00	8.84E-02
Sample ID: 249241	Sample Dates: 12/3/2012 - 12/10/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.61E-03	0.00E+00	9.61E-03
		Cs-134	<1.09E-02	0.00E+00	1.09E-02
		Cs-137	<1.42E-02	0.00E+00	1.42E-02
		Be-7	<8.09E-02	0.00E+00	8.09E-02
Sample ID: 249439	Sample Dates: 12/10/2012 - 12/17/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<6.98E-03	0.00E+00	6.98E-03
		Cs-134	<9.59E-03	0.00E+00	9.59E-03
		Cs-137	<1.24E-02	0.00E+00	1.24E-02
		Be-7	<7.55E-02	0.00E+00	7.55E-02
Sample ID: 249866	Sample Dates: 12/17/2012 - 12/24/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.03E-02	0.00E+00	1.03E-02
		Cs-134	<1.22E-02	0.00E+00	1.22E-02
		Cs-137	<1.06E-02	0.00E+00	1.06E-02
		Be-7	<7.88E-02	0.00E+00	7.88E-02
Sample ID: 250173	Sample Dates: 12/24/2012 - 12/31/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.14E-03	0.00E+00	7.14E-03
		Cs-134	<9.47E-03	0.00E+00	9.47E-03
		Cs-137	<1.18E-02	0.00E+00	1.18E-02
		Be-7	<5.59E-02	0.00E+00	5.59E-02

Sample Point 084 [INDICATOR - NNE @ 2.58 miles]

Sample ID: 227176	Sample Dates: 1/3/2012 - 1/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.93E-02	0.00E+00	1.93E-02
		Cs-134	<1.22E-02	0.00E+00	1.22E-02
		Cs-137	<1.25E-02	0.00E+00	1.25E-02
		Be-7	<1.09E-01	0.00E+00	1.09E-01
Sample ID: 227310	Sample Dates: 1/9/2012 - 1/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.16E-03	0.00E+00	9.16E-03
		Cs-134	<8.55E-03	0.00E+00	8.55E-03



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 084 [INDICATOR - NNE @ 2.58 miles]

Sample ID: 227310	Sample Dates: 1/9/2012 - 1/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		Cs-137	<1.25E-02	0.00E+00	1.25E-02
		Be-7	<6.01E-02	0.00E+00	6.01E-02
		K-40	3.06E-01	8.02E-02	1.40E-01
Sample ID: 227524	Sample Dates: 1/16/2012 - 1/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.48E-02	0.00E+00	1.48E-02
		Cs-134	<1.54E-02	0.00E+00	1.54E-02
		Cs-137	<1.47E-02	0.00E+00	1.47E-02
		Be-7	<9.60E-02	0.00E+00	9.60E-02
Sample ID: 227846	Sample Dates: 1/23/2012 - 1/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.12E-02	0.00E+00	1.12E-02
		Cs-134	<1.42E-02	0.00E+00	1.42E-02
		Cs-137	<1.23E-02	0.00E+00	1.23E-02
		Be-7	<1.03E-01	0.00E+00	1.03E-01
Sample ID: 228113	Sample Dates: 1/30/2012 - 2/6/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.11E-03	0.00E+00	7.11E-03
		Cs-134	<7.12E-03	0.00E+00	7.12E-03
		Cs-137	<1.13E-02	0.00E+00	1.13E-02
		Be-7	<6.39E-02	0.00E+00	6.39E-02
Sample ID: 229424	Sample Dates: 2/6/2012 - 2/13/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<2.32E-03	0.00E+00	2.32E-03
		Cs-134	<1.43E-02	0.00E+00	1.43E-02
		Cs-137	<1.46E-02	0.00E+00	1.46E-02
		Be-7	<1.40E-01	0.00E+00	1.40E-01
Sample ID: 230050	Sample Dates: 2/13/2012 - 2/20/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.50E-03	0.00E+00	7.50E-03
		Cs-134	<7.01E-03	0.00E+00	7.01E-03
		Cs-137	<1.23E-02	0.00E+00	1.23E-02
		Be-7	<6.74E-02	0.00E+00	6.74E-02
Sample ID: 230725	Sample Dates: 2/20/2012 - 2/27/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.33E-02	0.00E+00	1.33E-02
		Cs-134	<1.04E-02	0.00E+00	1.04E-02
		Cs-137	<1.80E-02	0.00E+00	1.80E-02
		Be-7	<6.37E-02	0.00E+00	6.37E-02
Sample ID: 230934	Sample Dates: 2/27/2012 - 3/5/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.45E-02	0.00E+00	1.45E-02
		Cs-134	<1.49E-02	0.00E+00	1.49E-02
		Cs-137	<1.74E-02	0.00E+00	1.74E-02
		Be-7	<1.03E-01	0.00E+00	1.03E-01
Sample ID: 231644	Sample Dates: 3/5/2012 - 3/12/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.78E-03	0.00E+00	9.78E-03
		Cs-134	<1.12E-02	0.00E+00	1.12E-02
		Cs-137	<1.38E-02	0.00E+00	1.38E-02
		Be-7	<7.96E-02	0.00E+00	7.96E-02
Sample ID: 232458	Sample Dates: 3/12/2012 - 3/19/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.03E-02	0.00E+00	1.03E-02
		Cs-134	<1.17E-02	0.00E+00	1.17E-02
		Cs-137	<1.24E-02	0.00E+00	1.24E-02
		Be-7	<7.11E-02	0.00E+00	7.11E-02
Sample ID: 233298	Sample Dates: 3/19/2012 - 3/26/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.04E-02	0.00E+00	1.04E-02
		Cs-134	<7.55E-03	0.00E+00	7.55E-03
		Cs-137	<1.71E-02	0.00E+00	1.71E-02
		Be-7	<9.51E-02	0.00E+00	9.51E-02

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 084 [INDICATOR - NNE @ 2.58 miles]

Sample ID:	233298	Sample Dates:	3/19/2012 - 3/26/2012	Nuclide	Activity	1 Sigma Error	LLD
				K-40	4.51E-01	1.21E-01	1.63E-01
Sample ID:	233539	Sample Dates:	3/26/2012 - 4/2/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.03E-02	0.00E+00	1.03E-02
				Cs-134	<1.47E-02	0.00E+00	1.47E-02
				Cs-137	<1.29E-02	0.00E+00	1.29E-02
				Be-7	<6.69E-02	0.00E+00	6.69E-02
				K-40	6.95E-01	1.25E-01	2.03E-01
Sample ID:	234457	Sample Dates:	4/2/2012 - 4/9/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.12E-02	0.00E+00	1.12E-02
				Cs-134	<1.12E-02	0.00E+00	1.12E-02
				Cs-137	<1.14E-02	0.00E+00	1.14E-02
				Be-7	<8.78E-02	0.00E+00	8.78E-02
				K-40	2.88E-01	9.61E-02	1.47E-01
Sample ID:	234885	Sample Dates:	4/9/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<7.20E-03	0.00E+00	7.20E-03
				Cs-134	<8.60E-03	0.00E+00	8.60E-03
				Cs-137	<1.29E-02	0.00E+00	1.29E-02
				Be-7	<8.48E-02	0.00E+00	8.48E-02
				K-40	3.65E-01	8.38E-02	1.40E-01
Sample ID:	235207	Sample Dates:	4/16/2012 - 4/23/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.57E-02	0.00E+00	1.57E-02
				Cs-134	<1.52E-02	0.00E+00	1.52E-02
				Cs-137	<1.44E-02	0.00E+00	1.44E-02
				Be-7	<9.80E-02	0.00E+00	9.80E-02
				K-40	3.07E-01	1.13E-01	1.67E-01
Sample ID:	235392	Sample Dates:	4/23/2012 - 4/30/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.01E-02	0.00E+00	1.01E-02
				Cs-134	<9.66E-03	0.00E+00	9.66E-03
				Cs-137	<8.42E-03	0.00E+00	8.42E-03
				Be-7	<9.25E-02	0.00E+00	9.25E-02
				K-40	3.12E-01	8.07E-02	5.63E-02
Sample ID:	235730	Sample Dates:	4/30/2012 - 5/7/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.24E-02	0.00E+00	1.24E-02
				Cs-134	<1.47E-02	0.00E+00	1.47E-02
				Cs-137	<9.78E-03	0.00E+00	9.78E-03
				Be-7	<9.29E-02	0.00E+00	9.29E-02
				K-40	3.64E-01	1.13E-01	2.12E-01
Sample ID:	235976	Sample Dates:	5/7/2012 - 5/14/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<9.93E-03	0.00E+00	9.93E-03
				Cs-134	<8.12E-03	0.00E+00	8.12E-03
				Cs-137	<1.25E-02	0.00E+00	1.25E-02
				Be-7	<8.77E-02	0.00E+00	8.77E-02
				K-40	<3.24E-01	0.00E+00	3.24E-01
Sample ID:	236186	Sample Dates:	5/14/2012 - 5/21/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.04E-02	0.00E+00	1.04E-02
				Cs-134	<1.23E-02	0.00E+00	1.23E-02
				Cs-137	<1.56E-02	0.00E+00	1.56E-02
				Be-7	<4.94E-02	0.00E+00	4.94E-02
				K-40	2.71E-01	7.24E-02	5.23E-02
Sample ID:	236499	Sample Dates:	5/21/2012 - 5/29/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<7.61E-03	0.00E+00	7.61E-03
				Cs-134	<7.99E-03	0.00E+00	7.99E-03
				Cs-137	<8.23E-03	0.00E+00	8.23E-03
				Be-7	<8.65E-02	0.00E+00	8.65E-02
				K-40	4.33E-01	6.94E-02	7.92E-02
Sample ID:	236798	Sample Dates:	5/29/2012 - 6/4/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<8.32E-03	0.00E+00	8.32E-03
				Cs-134	<1.57E-02	0.00E+00	1.57E-02
				Cs-137	<1.79E-02	0.00E+00	1.79E-02
				Be-7	<7.52E-02	0.00E+00	7.52E-02
				K-40	4.42E-01	1.02E-01	1.70E-01

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 084 [INDICATOR - NNE @ 2.58 miles]

Sample ID: 237124	Sample Dates: 6/4/2012 - 6/11/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.61E-03	0.00E+00	8.61E-03
		Cs-134	<8.86E-03	0.00E+00	8.86E-03
		Cs-137	<1.24E-02	0.00E+00	1.24E-02
		Be-7	<8.60E-02	0.00E+00	8.60E-02
		K-40	4.79E-01	9.14E-02	9.46E-02
Sample ID: 237299	Sample Dates: 6/11/2012 - 6/18/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.23E-02	0.00E+00	1.23E-02
		Cs-134	<1.46E-02	0.00E+00	1.46E-02
		Cs-137	<1.17E-02	0.00E+00	1.17E-02
		Be-7	<1.02E-01	0.00E+00	1.02E-01
		K-40	<4.05E-01	0.00E+00	4.05E-01
Sample ID: 237975	Sample Dates: 6/18/2012 - 6/25/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.02E-02	0.00E+00	1.02E-02
		Cs-134	<1.11E-02	0.00E+00	1.11E-02
		Cs-137	<1.48E-02	0.00E+00	1.48E-02
		Be-7	<5.84E-02	0.00E+00	5.84E-02
		K-40	<3.87E-01	0.00E+00	3.87E-01
Sample ID: 238727	Sample Dates: 6/25/2012 - 7/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<6.90E-03	0.00E+00	6.90E-03
		Cs-134	<8.85E-03	0.00E+00	8.85E-03
		Cs-137	<1.24E-02	0.00E+00	1.24E-02
		Be-7	<6.38E-02	0.00E+00	6.38E-02
		K-40	7.15E-01	9.31E-02	8.91E-02
Sample ID: 239104	Sample Dates: 7/2/2012 - 7/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.13E-03	0.00E+00	8.13E-03
		Cs-134	<6.46E-03	0.00E+00	6.46E-03
		Cs-137	<1.13E-02	0.00E+00	1.13E-02
		Be-7	<8.18E-02	0.00E+00	8.18E-02
		K-40	4.14E-01	7.44E-02	1.41E-01
Sample ID: 239876	Sample Dates: 7/9/2012 - 7/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.08E-03	0.00E+00	7.08E-03
		Cs-134	<7.97E-03	0.00E+00	7.97E-03
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<7.18E-02	0.00E+00	7.18E-02
		K-40	2.92E-01	7.74E-02	1.23E-01
Sample ID: 240000	Sample Dates: 7/16/2012 - 7/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.26E-02	0.00E+00	1.26E-02
		Cs-134	<1.18E-02	0.00E+00	1.18E-02
		Cs-137	<1.86E-02	0.00E+00	1.86E-02
		Be-7	<1.11E-01	0.00E+00	1.11E-01
		K-40	3.43E-01	8.86E-02	6.19E-02
Sample ID: 240322	Sample Dates: 7/23/2012 - 7/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.32E-03	0.00E+00	9.32E-03
		Cs-134	<1.11E-02	0.00E+00	1.11E-02
		Cs-137	<1.29E-02	0.00E+00	1.29E-02
		Be-7	<8.97E-02	0.00E+00	8.97E-02
		K-40	5.38E-01	8.41E-02	1.18E-01
Sample ID: 240957	Sample Dates: 7/30/2012 - 8/6/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.30E-03	0.00E+00	8.30E-03
		Cs-134	<9.35E-03	0.00E+00	9.35E-03
		Cs-137	<1.24E-02	0.00E+00	1.24E-02
		Be-7	<6.37E-02	0.00E+00	6.37E-02
		K-40	3.48E-01	8.20E-02	5.22E-02
Sample ID: 241228	Sample Dates: 8/6/2012 - 8/13/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.07E-03	0.00E+00	9.07E-03
		Cs-134	<9.79E-03	0.00E+00	9.79E-03
		Cs-137	<1.76E-02	0.00E+00	1.76E-02
		Be-7	<1.27E-01	0.00E+00	1.27E-01
		K-40	3.94E-01	9.55E-02	1.98E-01
Sample ID: 241535	Sample Dates: 8/13/2012 - 8/20/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.60E-03	0.00E+00	9.60E-03
		Cs-134	<1.07E-02	0.00E+00	1.07E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 084 [INDICATOR - NNE @ 2.58 miles]

Sample ID: 241535	Sample Dates: 8/13/2012 - 8/20/2012	Nuclide	Activity	1 Sigma Error	LLD
		Cs-137	<1.26E-02	0.00E+00	1.26E-02
		Be-7	<6.35E-02	0.00E+00	6.35E-02
		K-40	2.22E-01	8.19E-02	1.69E-01
Sample ID: 242124	Sample Dates: 8/20/2012 - 8/27/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.09E-03	0.00E+00	8.09E-03
		Cs-134	<6.98E-03	0.00E+00	6.98E-03
		Cs-137	<1.23E-02	0.00E+00	1.23E-02
		Be-7	<6.47E-02	0.00E+00	6.47E-02
Sample ID: 242453	Sample Dates: 8/27/2012 - 9/4/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.74E-03	0.00E+00	9.74E-03
		Cs-134	<7.11E-03	0.00E+00	7.11E-03
		Cs-137	<1.11E-02	0.00E+00	1.11E-02
		Be-7	<6.28E-02	0.00E+00	6.28E-02
Sample ID: 242980	Sample Dates: 9/4/2012 - 9/10/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.49E-02	0.00E+00	1.49E-02
		Cs-134	<1.76E-02	0.00E+00	1.76E-02
		Cs-137	<1.92E-02	0.00E+00	1.92E-02
		Be-7	<6.44E-02	0.00E+00	6.44E-02
Sample ID: 243738	Sample Dates: 9/10/2012 - 9/17/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.10E-02	0.00E+00	1.10E-02
		Cs-134	<1.50E-02	0.00E+00	1.50E-02
		Cs-137	<1.74E-02	0.00E+00	1.74E-02
		Be-7	<1.10E-01	0.00E+00	1.10E-01
Sample ID: 244143	Sample Dates: 9/17/2012 - 9/24/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.18E-02	0.00E+00	1.18E-02
		Cs-134	<1.24E-02	0.00E+00	1.24E-02
		Cs-137	<2.24E-02	0.00E+00	2.24E-02
		Be-7	<8.33E-02	0.00E+00	8.33E-02
Sample ID: 245015	Sample Dates: 9/24/2012 - 10/1/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.19E-03	0.00E+00	8.19E-03
		Cs-134	<9.65E-03	0.00E+00	9.65E-03
		Cs-137	<9.32E-03	0.00E+00	9.32E-03
		Be-7	<7.47E-02	0.00E+00	7.47E-02
Sample ID: 245835	Sample Dates: 10/1/2012 - 10/8/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.09E-02	0.00E+00	1.09E-02
		Cs-134	<9.51E-03	0.00E+00	9.51E-03
		Cs-137	<1.27E-02	0.00E+00	1.27E-02
		Be-7	<9.47E-02	0.00E+00	9.47E-02
Sample ID: 246690	Sample Dates: 10/8/2012 - 10/15/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.98E-03	0.00E+00	7.98E-03
		Cs-134	<8.60E-03	0.00E+00	8.60E-03
		Cs-137	<1.16E-02	0.00E+00	1.16E-02
		Be-7	<7.53E-02	0.00E+00	7.53E-02
Sample ID: 247098	Sample Dates: 10/15/2012 - 10/22/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.42E-02	0.00E+00	1.42E-02
		Cs-134	<1.36E-02	0.00E+00	1.36E-02
		Cs-137	<1.24E-02	0.00E+00	1.24E-02
		Be-7	<1.05E-01	0.00E+00	1.05E-01
Sample ID: 247414	Sample Dates: 10/22/2012 - 10/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.46E-03	0.00E+00	7.46E-03
		Cs-134	<8.24E-03	0.00E+00	8.24E-03
		Cs-137	<7.56E-03	0.00E+00	7.56E-03
		Be-7	<7.52E-02	0.00E+00	7.52E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 084 [INDICATOR - NNE @ 2.58 miles]

Sample ID:	247414	Sample Dates:	10/22/2012 - 10/29/2012	Nuclide	Activity	1 Sigma Error	LLD
				K-40	2.74E-01	7.60E-02	5.70E-02
Sample ID:	247752	Sample Dates:	10/29/2012 - 11/5/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<9.74E-03	0.00E+00	9.74E-03
				Cs-134	<1.04E-02	0.00E+00	1.04E-02
				Cs-137	<1.07E-02	0.00E+00	1.07E-02
				Be-7	<9.95E-02	0.00E+00	9.95E-02
				K-40	4.59E-01	7.87E-02	1.18E-01
Sample ID:	247947	Sample Dates:	11/5/2012 - 11/12/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<7.37E-03	0.00E+00	7.37E-03
				Cs-134	<7.44E-03	0.00E+00	7.44E-03
				Cs-137	<1.62E-02	0.00E+00	1.62E-02
				Be-7	<9.92E-02	0.00E+00	9.92E-02
				K-40	<3.41E-01	0.00E+00	3.41E-01
Sample ID:	248351	Sample Dates:	11/12/2012 - 11/19/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<9.96E-03	0.00E+00	9.96E-03
				Cs-134	<8.50E-03	0.00E+00	8.50E-03
				Cs-137	<1.60E-02	0.00E+00	1.60E-02
				Be-7	<4.38E-02	0.00E+00	4.38E-02
				K-40	<3.99E-01	0.00E+00	3.99E-01
Sample ID:	248630	Sample Dates:	11/19/2012 - 11/26/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<8.29E-03	0.00E+00	8.29E-03
				Cs-134	<1.09E-02	0.00E+00	1.09E-02
				Cs-137	<9.58E-03	0.00E+00	9.58E-03
				Be-7	<8.02E-02	0.00E+00	8.02E-02
				K-40	4.87E-01	1.02E-01	1.61E-01
Sample ID:	249003	Sample Dates:	11/26/2012 - 12/3/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<8.96E-03	0.00E+00	8.96E-03
				Cs-134	<7.41E-03	0.00E+00	7.41E-03
				Cs-137	<1.25E-02	0.00E+00	1.25E-02
				Be-7	<6.24E-02	0.00E+00	6.24E-02
				K-40	2.00E-01	7.31E-02	1.49E-01
Sample ID:	249242	Sample Dates:	12/3/2012 - 12/10/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<6.36E-03	0.00E+00	6.36E-03
				Cs-134	<1.01E-02	0.00E+00	1.01E-02
				Cs-137	<1.13E-02	0.00E+00	1.13E-02
				Be-7	<7.10E-02	0.00E+00	7.10E-02
				K-40	4.50E-01	7.82E-02	3.68E-02
Sample ID:	249440	Sample Dates:	12/10/2012 - 12/17/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<9.11E-03	0.00E+00	9.11E-03
				Cs-134	<4.18E-03	0.00E+00	4.18E-03
				Cs-137	<1.30E-02	0.00E+00	1.30E-02
				Be-7	<8.13E-02	0.00E+00	8.13E-02
				K-40	4.49E-01	9.80E-02	1.53E-01
Sample ID:	249867	Sample Dates:	12/17/2012 - 12/24/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<9.90E-03	0.00E+00	9.90E-03
				Cs-134	<8.61E-03	0.00E+00	8.61E-03
				Cs-137	<9.86E-03	0.00E+00	9.86E-03
				Be-7	<7.14E-02	0.00E+00	7.14E-02
				K-40	4.14E-01	7.56E-02	3.73E-02
Sample ID:	250174	Sample Dates:	12/24/2012 - 12/31/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.09E-02	0.00E+00	1.09E-02
				Cs-134	<1.34E-02	0.00E+00	1.34E-02
				Cs-137	<1.33E-02	0.00E+00	1.33E-02
				Be-7	<8.31E-02	0.00E+00	8.31E-02
				K-40	<4.30E-01	0.00E+00	4.30E-01

Sample Point 085 [INDICATOR - NNW @ 0.88 miles]

Sample ID:	227244	Sample Dates:	1/3/2012 - 1/9/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<9.59E-03	0.00E+00	9.59E-03
				Cs-134	<1.15E-02	0.00E+00	1.15E-02
				Cs-137	<1.32E-02	0.00E+00	1.32E-02
				Be-7	<8.26E-02	0.00E+00	8.26E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 085 [INDICATOR - NNW @ 0.88 miles]

Sample ID:	227244	Sample Dates:	1/3/2012 - 1/9/2012	Nuclide	Activity	1 Sigma Error	LLD
				K-40	7.18E-01	1.15E-01	1.76E-01
Sample ID:	227336	Sample Dates:	1/9/2012 - 1/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<8.24E-03	0.00E+00	8.24E-03
				Cs-134	<8.74E-03	0.00E+00	8.74E-03
				Cs-137	<1.03E-02	0.00E+00	1.03E-02
				Be-7	<7.19E-02	0.00E+00	7.19E-02
				K-40	4.14E-01	1.08E-01	2.19E-01
Sample ID:	227547	Sample Dates:	1/16/2012 - 1/23/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.35E-02	0.00E+00	1.35E-02
				Cs-134	<9.75E-03	0.00E+00	9.75E-03
				Cs-137	<1.65E-02	0.00E+00	1.65E-02
				Be-7	<9.50E-02	0.00E+00	9.50E-02
				K-40	3.26E-01	8.70E-02	1.76E-01
Sample ID:	227869	Sample Dates:	1/23/2012 - 1/30/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.18E-02	0.00E+00	1.18E-02
				Cs-134	<1.48E-02	0.00E+00	1.48E-02
				Cs-137	<1.53E-02	0.00E+00	1.53E-02
				Be-7	<1.08E-01	0.00E+00	1.08E-01
				K-40	2.51E-01	1.02E-01	2.09E-01
Sample ID:	228137	Sample Dates:	1/30/2012 - 2/6/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.08E-02	0.00E+00	1.08E-02
				Cs-134	<1.17E-02	0.00E+00	1.17E-02
				Cs-137	<9.14E-03	0.00E+00	9.14E-03
				Be-7	<7.34E-02	0.00E+00	7.34E-02
				K-40	<4.43E-01	0.00E+00	4.43E-01
Sample ID:	229447	Sample Dates:	2/6/2012 - 2/13/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<8.35E-03	0.00E+00	8.35E-03
				Cs-134	<7.18E-03	0.00E+00	7.18E-03
				Cs-137	<1.26E-02	0.00E+00	1.26E-02
				Be-7	<6.67E-02	0.00E+00	6.67E-02
				K-40	6.01E-01	8.49E-02	8.77E-02
Sample ID:	230073	Sample Dates:	2/13/2012 - 2/20/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<8.15E-03	0.00E+00	8.15E-03
				Cs-134	<1.18E-02	0.00E+00	1.18E-02
				Cs-137	<1.72E-02	0.00E+00	1.72E-02
				Be-7	<7.00E-02	0.00E+00	7.00E-02
				K-40	3.34E-01	1.12E-01	1.90E-01
Sample ID:	230748	Sample Dates:	2/20/2012 - 2/27/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.00E-02	0.00E+00	1.00E-02
				Cs-134	<1.15E-02	0.00E+00	1.15E-02
				Cs-137	<1.65E-02	0.00E+00	1.65E-02
				Be-7	<1.10E-01	0.00E+00	1.10E-01
				K-40	4.87E-01	1.31E-01	6.28E-02
Sample ID:	230957	Sample Dates:	2/27/2012 - 3/5/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<7.19E-03	0.00E+00	7.19E-03
				Cs-134	<9.80E-03	0.00E+00	9.80E-03
				Cs-137	<1.04E-02	0.00E+00	1.04E-02
				Be-7	<5.96E-02	0.00E+00	5.96E-02
				K-40	6.78E-01	9.56E-02	8.82E-02
Sample ID:	231667	Sample Dates:	3/5/2012 - 3/12/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<9.95E-03	0.00E+00	9.95E-03
				Cs-134	<1.02E-02	0.00E+00	1.02E-02
				Cs-137	<1.37E-02	0.00E+00	1.37E-02
				Be-7	<4.68E-02	0.00E+00	4.68E-02
				K-40	6.98E-01	9.59E-02	9.41E-02
Sample ID:	232481	Sample Dates:	3/12/2012 - 3/19/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.10E-02	0.00E+00	1.10E-02
				Cs-134	<1.39E-02	0.00E+00	1.39E-02
				Cs-137	<1.42E-02	0.00E+00	1.42E-02
				Be-7	<9.56E-02	0.00E+00	9.56E-02
				K-40	2.62E-01	1.16E-01	2.40E-01

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 085 [INDICATOR - NNW @ 0.88 miles]

Sample ID: 233321	Sample Dates: 3/19/2012 - 3/26/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.26E-02	0.00E+00	1.26E-02
		Cs-134	<9.64E-03	0.00E+00	9.64E-03
		Cs-137	<1.44E-02	0.00E+00	1.44E-02
		Be-7	<1.11E-01	0.00E+00	1.11E-01
		K-40	3.93E-01	9.54E-02	2.42E-01
Sample ID: 233562	Sample Dates: 3/26/2012 - 4/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.25E-03	0.00E+00	8.25E-03
		Cs-134	<1.01E-02	0.00E+00	1.01E-02
		Cs-137	<9.49E-03	0.00E+00	9.49E-03
		Be-7	<8.04E-02	0.00E+00	8.04E-02
		K-40	3.98E-01	1.03E-01	1.62E-01
Sample ID: 234525	Sample Dates: 4/2/2012 - 4/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.22E-03	0.00E+00	9.22E-03
		Cs-134	<9.80E-03	0.00E+00	9.80E-03
		Cs-137	<1.16E-02	0.00E+00	1.16E-02
		Be-7	<1.09E-01	0.00E+00	1.09E-01
		K-40	4.92E-01	1.08E-01	6.34E-02
Sample ID: 234911	Sample Dates: 4/9/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.01E-03	0.00E+00	8.01E-03
		Cs-134	<9.97E-03	0.00E+00	9.97E-03
		Cs-137	<7.83E-03	0.00E+00	7.83E-03
		Be-7	<7.51E-02	0.00E+00	7.51E-02
		K-40	5.02E-01	9.34E-02	1.16E-01
Sample ID: 235230	Sample Dates: 4/16/2012 - 4/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.52E-03	0.00E+00	9.52E-03
		Cs-134	<8.10E-03	0.00E+00	8.10E-03
		Cs-137	<9.00E-03	0.00E+00	9.00E-03
		Be-7	<8.25E-02	0.00E+00	8.25E-02
		K-40	6.52E-01	8.78E-02	1.08E-01
Sample ID: 235415	Sample Dates: 4/23/2012 - 4/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.00E-02	0.00E+00	1.00E-02
		Cs-134	<1.03E-02	0.00E+00	1.03E-02
		Cs-137	<1.09E-02	0.00E+00	1.09E-02
		Be-7	<7.92E-02	0.00E+00	7.92E-02
		K-40	3.62E-01	8.29E-02	1.41E-01
Sample ID: 235753	Sample Dates: 4/30/2012 - 5/7/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.56E-02	0.00E+00	1.56E-02
		Cs-134	<1.33E-02	0.00E+00	1.33E-02
		Cs-137	<9.39E-03	0.00E+00	9.39E-03
		Be-7	<1.12E-01	0.00E+00	1.12E-01
		K-40	3.54E-01	9.15E-02	2.13E-01
Sample ID: 235999	Sample Dates: 5/7/2012 - 5/14/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.87E-03	0.00E+00	7.87E-03
		Cs-134	<9.68E-03	0.00E+00	9.68E-03
		Cs-137	<1.08E-02	0.00E+00	1.08E-02
		Be-7	<8.52E-02	0.00E+00	8.52E-02
		K-40	4.68E-01	7.90E-02	1.24E-01
Sample ID: 236209	Sample Dates: 5/14/2012 - 5/21/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.65E-03	0.00E+00	9.65E-03
		Cs-134	<1.41E-02	0.00E+00	1.41E-02
		Cs-137	<1.45E-02	0.00E+00	1.45E-02
		Be-7	<5.67E-02	0.00E+00	5.67E-02
		K-40	4.36E-01	9.99E-02	6.20E-02
Sample ID: 236522	Sample Dates: 5/21/2012 - 5/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.86E-03	0.00E+00	7.86E-03
		Cs-134	<7.60E-03	0.00E+00	7.60E-03
		Cs-137	<1.04E-02	0.00E+00	1.04E-02
		Be-7	<7.59E-02	0.00E+00	7.59E-02
		K-40	6.31E-01	8.02E-02	1.09E-01
Sample ID: 236821	Sample Dates: 5/29/2012 - 6/4/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.31E-02	0.00E+00	1.31E-02
		Cs-134	<2.14E-02	0.00E+00	2.14E-02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 085 [INDICATOR - NNW @ 0.88 miles]

Sample ID: 236821	Sample Dates: 5/29/2012 - 6/4/2012	Nuclide	Activity	1 Sigma Error	LLD
		Cs-137	<1.92E-02	0.00E+00	1.92E-02
		Be-7	<8.14E-02	0.00E+00	8.14E-02
		K-40	4.93E-01	1.16E-01	3.48E-01
Sample ID: 237147	Sample Dates: 6/4/2012 - 6/11/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<6.36E-03	0.00E+00	6.36E-03
		Cs-134	<1.32E-02	0.00E+00	1.32E-02
		Cs-137	<1.56E-02	0.00E+00	1.56E-02
		Be-7	<8.05E-02	0.00E+00	8.05E-02
		K-40	2.88E-01	7.45E-02	1.42E-01
Sample ID: 237322	Sample Dates: 6/11/2012 - 6/18/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.55E-02	0.00E+00	1.55E-02
		Cs-134	<1.79E-02	0.00E+00	1.79E-02
		Cs-137	<1.33E-02	0.00E+00	1.33E-02
		Be-7	<9.85E-02	0.00E+00	9.85E-02
		K-40	3.40E-01	1.12E-01	2.11E-01
Sample ID: 237998	Sample Dates: 6/18/2012 - 6/25/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.16E-03	0.00E+00	7.16E-03
		Cs-134	<8.72E-03	0.00E+00	8.72E-03
		Cs-137	<1.16E-02	0.00E+00	1.16E-02
		Be-7	<5.79E-02	0.00E+00	5.79E-02
		K-40	3.00E-01	8.92E-02	1.83E-01
Sample ID: 238750	Sample Dates: 6/25/2012 - 7/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.39E-02	0.00E+00	1.39E-02
		Cs-134	<1.30E-02	0.00E+00	1.30E-02
		Cs-137	<1.12E-02	0.00E+00	1.12E-02
		Be-7	<1.41E-01	0.00E+00	1.41E-01
		K-40	3.67E-01	1.14E-01	1.80E-01
Sample ID: 239150	Sample Dates: 7/2/2012 - 7/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<5.09E-03	0.00E+00	5.09E-03
		Cs-134	<1.23E-02	0.00E+00	1.23E-02
		Cs-137	<1.36E-02	0.00E+00	1.36E-02
		Be-7	<6.05E-02	0.00E+00	6.05E-02
		K-40	2.14E-01	6.44E-02	5.25E-02
Sample ID: 239902	Sample Dates: 7/9/2012 - 7/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.32E-03	0.00E+00	8.32E-03
		Cs-134	<7.97E-03	0.00E+00	7.97E-03
		Cs-137	<1.21E-02	0.00E+00	1.21E-02
		Be-7	<8.15E-02	0.00E+00	8.15E-02
		K-40	5.13E-01	8.52E-02	1.52E-01
Sample ID: 240023	Sample Dates: 7/16/2012 - 7/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.10E-02	0.00E+00	1.10E-02
		Cs-134	<9.86E-03	0.00E+00	9.86E-03
		Cs-137	<1.06E-02	0.00E+00	1.06E-02
		Be-7	<7.79E-02	0.00E+00	7.79E-02
		K-40	<4.44E-01	0.00E+00	4.44E-01
Sample ID: 240357	Sample Dates: 7/23/2012 - 7/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.83E-03	0.00E+00	7.83E-03
		Cs-134	<1.08E-02	0.00E+00	1.08E-02
		Cs-137	<1.24E-02	0.00E+00	1.24E-02
		Be-7	<6.87E-02	0.00E+00	6.87E-02
		K-40	5.66E-01	8.25E-02	1.03E-01
Sample ID: 240980	Sample Dates: 7/30/2012 - 8/6/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<7.93E-03	0.00E+00	7.93E-03
		Cs-134	<9.78E-03	0.00E+00	9.78E-03
		Cs-137	<1.46E-02	0.00E+00	1.46E-02
		Be-7	<5.73E-02	0.00E+00	5.73E-02
		K-40	5.77E-01	8.25E-02	3.18E-02
Sample ID: 241251	Sample Dates: 8/6/2012 - 8/13/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<9.86E-03	0.00E+00	9.86E-03
		Cs-134	<1.64E-02	0.00E+00	1.64E-02
		Cs-137	<1.17E-02	0.00E+00	1.17E-02
		Be-7	<1.02E-01	0.00E+00	1.02E-01



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 085 [INDICATOR - NNW @ 0.88 miles]

Sample ID:	241251	Sample Dates:	8/6/2012 - 8/13/2012	Nuclide	Activity	1 Sigma Error	LLD
				K-40	4.11E-01	9.97E-02	6.53E-02
Sample ID:	241558	Sample Dates:	8/13/2012 - 8/20/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.08E-02	0.00E+00	1.08E-02
				Cs-134	<1.29E-02	0.00E+00	1.29E-02
				Cs-137	<1.18E-02	0.00E+00	1.18E-02
				Be-7	<8.58E-02	0.00E+00	8.58E-02
				K-40	2.83E-01	8.16E-02	2.21E-01
Sample ID:	242147	Sample Dates:	8/20/2012 - 8/27/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.44E-02	0.00E+00	1.44E-02
				Cs-134	<1.56E-02	0.00E+00	1.56E-02
				Cs-137	<1.18E-02	0.00E+00	1.18E-02
				Be-7	<9.44E-02	0.00E+00	9.44E-02
				K-40	4.50E-01	1.03E-01	6.41E-02
Sample ID:	242477	Sample Dates:	8/27/2012 - 9/4/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<9.83E-03	0.00E+00	9.83E-03
				Cs-134	<9.24E-03	0.00E+00	9.24E-03
				Cs-137	<1.29E-02	0.00E+00	1.29E-02
				Be-7	<5.78E-02	0.00E+00	5.78E-02
				K-40	5.37E-01	8.26E-02	1.07E-01
Sample ID:	243003	Sample Dates:	9/4/2012 - 9/10/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.48E-02	0.00E+00	1.48E-02
				Cs-134	<1.13E-02	0.00E+00	1.13E-02
				Cs-137	<1.96E-02	0.00E+00	1.96E-02
				Be-7	<1.30E-01	0.00E+00	1.30E-01
				K-40	3.80E-01	1.01E-01	2.05E-01
Sample ID:	243761	Sample Dates:	9/10/2012 - 9/17/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.09E-02	0.00E+00	1.09E-02
				Cs-134	<1.51E-02	0.00E+00	1.51E-02
				Cs-137	<1.15E-02	0.00E+00	1.15E-02
				Be-7	<9.60E-02	0.00E+00	9.60E-02
				K-40	<4.88E-01	0.00E+00	4.88E-01
Sample ID:	244166	Sample Dates:	9/17/2012 - 9/24/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<9.63E-03	0.00E+00	9.63E-03
				Cs-134	<1.25E-02	0.00E+00	1.25E-02
				Cs-137	<1.42E-02	0.00E+00	1.42E-02
				Be-7	<6.86E-02	0.00E+00	6.86E-02
				K-40	4.92E-01	8.19E-02	1.22E-01
Sample ID:	245037	Sample Dates:	9/24/2012 - 10/1/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<6.81E-03	0.00E+00	6.81E-03
				Cs-134	<7.46E-03	0.00E+00	7.46E-03
				Cs-137	<7.51E-03	0.00E+00	7.51E-03
				Be-7	<5.34E-02	0.00E+00	5.34E-02
				K-40	<5.02E-01	0.00E+00	5.02E-01
Sample ID:	245857	Sample Dates:	10/1/2012 - 10/8/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.33E-02	0.00E+00	1.33E-02
				Cs-134	<1.56E-02	0.00E+00	1.56E-02
				Cs-137	<1.77E-02	0.00E+00	1.77E-02
				Be-7	<8.18E-02	0.00E+00	8.18E-02
				K-40	<4.25E-01	0.00E+00	4.25E-01
Sample ID:	246712	Sample Dates:	10/8/2012 - 10/15/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<9.58E-03	0.00E+00	9.58E-03
				Cs-134	<1.13E-02	0.00E+00	1.13E-02
				Cs-137	<7.58E-03	0.00E+00	7.58E-03
				Be-7	<5.56E-02	0.00E+00	5.56E-02
				K-40	4.65E-01	9.91E-02	5.71E-02
Sample ID:	247120	Sample Dates:	10/15/2012 - 10/22/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<9.81E-03	0.00E+00	9.81E-03
				Cs-134	<1.00E-02	0.00E+00	1.00E-02
				Cs-137	<1.37E-02	0.00E+00	1.37E-02
				Be-7	<5.31E-02	0.00E+00	5.31E-02
				K-40	4.16E-01	7.72E-02	1.24E-01

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: AIR RADIOIODINE Concentration (Activity): pCi/m3

Sample Point 085 [INDICATOR - NNW @ 0.88 miles]

Sample ID: 247436	Sample Dates: 10/22/2012 - 10/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<5.67E-03	0.00E+00	5.67E-03
		Cs-134	<4.75E-03	0.00E+00	4.75E-03
		Cs-137	<7.33E-03	0.00E+00	7.33E-03
		Be-7	<3.96E-02	0.00E+00	3.96E-02
		K-40	3.70E-01	7.37E-02	7.58E-02
Sample ID: 247777	Sample Dates: 10/29/2012 - 11/5/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<5.12E-03	0.00E+00	5.12E-03
		Cs-134	<2.33E-03	0.00E+00	2.33E-03
		Cs-137	<1.09E-02	0.00E+00	1.09E-02
		Be-7	<8.05E-02	0.00E+00	8.05E-02
		K-40	2.16E-01	8.46E-02	1.80E-01
Sample ID: 247969	Sample Dates: 11/5/2012 - 11/12/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.06E-02	0.00E+00	1.06E-02
		Cs-134	<1.16E-02	0.00E+00	1.16E-02
		Cs-137	<1.25E-02	0.00E+00	1.25E-02
		Be-7	<8.87E-02	0.00E+00	8.87E-02
		K-40	6.59E-01	9.41E-02	9.64E-02
Sample ID: 248373	Sample Dates: 11/12/2012 - 11/19/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.74E-03	0.00E+00	8.74E-03
		Cs-134	<6.67E-03	0.00E+00	6.67E-03
		Cs-137	<1.10E-02	0.00E+00	1.10E-02
		Be-7	<9.34E-02	0.00E+00	9.34E-02
		K-40	3.61E-01	8.76E-02	5.74E-02
Sample ID: 248652	Sample Dates: 11/19/2012 - 11/26/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.18E-02	0.00E+00	1.18E-02
		Cs-134	<1.78E-02	0.00E+00	1.78E-02
		Cs-137	<1.58E-02	0.00E+00	1.58E-02
		Be-7	<9.89E-02	0.00E+00	9.89E-02
		K-40	<4.88E-01	0.00E+00	4.88E-01
Sample ID: 249039	Sample Dates: 11/26/2012 - 12/3/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.13E-02	0.00E+00	1.13E-02
		Cs-134	<1.21E-02	0.00E+00	1.21E-02
		Cs-137	<1.57E-02	0.00E+00	1.57E-02
		Be-7	<9.89E-02	0.00E+00	9.89E-02
		K-40	2.40E-01	7.24E-02	1.87E-01
Sample ID: 249264	Sample Dates: 12/3/2012 - 12/10/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<5.80E-03	0.00E+00	5.80E-03
		Cs-134	<1.32E-02	0.00E+00	1.32E-02
		Cs-137	<1.45E-02	0.00E+00	1.45E-02
		Be-7	<1.00E-01	0.00E+00	1.00E-01
		K-40	2.59E-01	7.48E-02	5.84E-02
Sample ID: 249462	Sample Dates: 12/10/2012 - 12/17/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.46E-03	0.00E+00	8.46E-03
		Cs-134	<7.24E-03	0.00E+00	7.24E-03
		Cs-137	<1.18E-02	0.00E+00	1.18E-02
		Be-7	<8.14E-02	0.00E+00	8.14E-02
		K-40	3.43E-01	8.57E-02	5.79E-02
Sample ID: 249889	Sample Dates: 12/17/2012 - 12/24/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.45E-02	0.00E+00	1.45E-02
		Cs-134	<1.23E-02	0.00E+00	1.23E-02
		Cs-137	<1.58E-02	0.00E+00	1.58E-02
		Be-7	<1.04E-01	0.00E+00	1.04E-01
		K-40	<3.88E-01	0.00E+00	3.88E-01
Sample ID: 250196	Sample Dates: 12/24/2012 - 12/31/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<8.40E-03	0.00E+00	8.40E-03
		Cs-134	<1.12E-02	0.00E+00	1.12E-02
		Cs-137	<7.60E-03	0.00E+00	7.60E-03
		Be-7	<8.45E-02	0.00E+00	8.45E-02
		K-40	<3.18E-01	0.00E+00	3.18E-01

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: DRINKING WATER Concentration (Activity): pCi/l

Sample Point 060 [INDICATOR - NE @ 3.23 miles]

Sample ID: 227343	Sample Dates: 12/12/2011 - 1/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.03E+00	3.86E-01	1.23E+00
		Mn-54	<3.95E+00	0.00E+00	3.95E+00
		Co-58	<4.97E+00	0.00E+00	4.97E+00
		Fe-59	<1.13E+01	0.00E+00	1.13E+01
		Co-60	<6.22E+00	0.00E+00	6.22E+00
		Zn-65	<7.94E+00	0.00E+00	7.94E+00
		Zr-95	<5.22E+00	0.00E+00	5.22E+00
		Nb-95	<3.84E+00	0.00E+00	3.84E+00
		I-131	<5.15E+00	0.00E+00	5.15E+00
		Cs-134	<4.10E+00	0.00E+00	4.10E+00
		Cs-137	<4.91E+00	0.00E+00	4.91E+00
		BaLa-140	<5.41E+00	0.00E+00	5.41E+00
		Be-7	<4.15E+01	0.00E+00	4.15E+01
		K-40	<9.79E+01	0.00E+00	9.79E+01
Sample ID: 229454	Sample Dates: 1/9/2012 - 2/6/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.52E+00	3.55E-01	1.08E+00
		Mn-54	<8.46E+00	0.00E+00	8.46E+00
		Co-58	<6.13E+00	0.00E+00	6.13E+00
		Fe-59	<1.67E+01	0.00E+00	1.67E+01
		Co-60	<7.25E+00	0.00E+00	7.25E+00
		Zn-65	<1.31E+01	0.00E+00	1.31E+01
		Zr-95	<1.22E+01	0.00E+00	1.22E+01
		Nb-95	<5.96E+00	0.00E+00	5.96E+00
		I-131	<7.10E+00	0.00E+00	7.10E+00
		Cs-134	<6.92E+00	0.00E+00	6.92E+00
		Cs-137	<7.66E+00	0.00E+00	7.66E+00
		BaLa-140	<1.22E+01	0.00E+00	1.22E+01
		Be-7	<6.59E+01	0.00E+00	6.59E+01
		K-40	1.65E+02	3.69E+01	5.89E+01
Sample ID: 231151	Sample Dates: 12/12/2011 - 3/5/2012	Nuclide	Activity	1 Sigma Error	LLD
		H3DW	<4.49E+00	0.00E+00	1.72E+02
Sample ID: 231674	Sample Dates: 2/6/2012 - 3/5/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	<-9.7E-02	0.00E+00	1.23E+00
		Mn-54	<6.71E+00	0.00E+00	6.71E+00
		Co-58	<7.89E+00	0.00E+00	7.89E+00
		Fe-59	<1.38E+01	0.00E+00	1.38E+01
		Co-60	<1.03E+01	0.00E+00	1.03E+01
		Zn-65	<1.83E+01	0.00E+00	1.83E+01
		Zr-95	<1.03E+01	0.00E+00	1.03E+01
		Nb-95	<8.16E+00	0.00E+00	8.16E+00
		I-131	<7.04E+00	0.00E+00	7.04E+00
		Cs-134	<7.44E+00	0.00E+00	7.44E+00
		Cs-137	<7.25E+00	0.00E+00	7.25E+00
		BaLa-140	<7.16E+00	0.00E+00	7.16E+00
		Be-7	<4.88E+01	0.00E+00	4.88E+01
		K-40	7.41E+01	3.05E+01	5.46E+01
Sample ID: 234532	Sample Dates: 3/5/2012 - 4/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.51E+00	3.66E-01	1.13E+00
		Mn-54	<5.88E+00	0.00E+00	5.88E+00
		Co-58	<6.56E+00	0.00E+00	6.56E+00
		Fe-59	<3.11E+00	0.00E+00	3.11E+00
		Co-60	<8.80E+00	0.00E+00	8.80E+00
		Zn-65	<1.14E+01	0.00E+00	1.14E+01
		Zr-95	<1.05E+01	0.00E+00	1.05E+01
		Nb-95	<6.87E+00	0.00E+00	6.87E+00
		I-131	<6.88E+00	0.00E+00	6.88E+00
		Cs-134	<5.46E+00	0.00E+00	5.46E+00
		Cs-137	<5.83E+00	0.00E+00	5.83E+00
		BaLa-140	<2.63E+00	0.00E+00	2.63E+00
		Be-7	<3.54E+01	0.00E+00	3.54E+01
		K-40	<1.12E+02	0.00E+00	1.12E+02
Sample ID: 235760	Sample Dates: 4/2/2012 - 4/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.32E+00	3.66E-01	1.14E+00
		Mn-54	<4.10E+00	0.00E+00	4.10E+00
		Co-58	<4.02E+00	0.00E+00	4.02E+00



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: DRINKING WATER Concentration (Activity): pCi/l

Sample Point 060 [INDICATOR - NE @ 3.23 miles]

Sample ID: 235760	Sample Dates: 4/2/2012 - 4/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		Fe-59	<9.68E+00	0.00E+00	9.68E+00
		Co-60	<5.92E+00	0.00E+00	5.92E+00
		Zn-65	<1.07E+01	0.00E+00	1.07E+01
		Zr-95	<9.02E+00	0.00E+00	9.02E+00
		Nb-95	<5.20E+00	0.00E+00	5.20E+00
		I-131	<4.93E+00	0.00E+00	4.93E+00
		Cs-134	<5.56E+00	0.00E+00	5.56E+00
		Cs-137	<5.12E+00	0.00E+00	5.12E+00
		BaLa-140	<4.68E+00	0.00E+00	4.68E+00
		Be-7	<4.45E+01	0.00E+00	4.45E+01
		K-40	2.10E+02	3.23E+01	5.91E+01
Sample ID: 236828	Sample Dates: 4/30/2012 - 5/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	8.33E-01	3.72E-01	1.21E+00
		Mn-54	<3.77E+00	0.00E+00	3.77E+00
		Co-58	<6.70E+00	0.00E+00	6.70E+00
		Fe-59	<1.25E+01	0.00E+00	1.25E+01
		Co-60	<8.14E+00	0.00E+00	8.14E+00
		Zn-65	<1.44E+01	0.00E+00	1.44E+01
		Zr-95	<1.07E+01	0.00E+00	1.07E+01
		Nb-95	<4.64E+00	0.00E+00	4.64E+00
		I-131	<7.45E+00	0.00E+00	7.45E+00
		Cs-134	<6.01E+00	0.00E+00	6.01E+00
		Cs-137	<8.36E+00	0.00E+00	8.36E+00
		BaLa-140	<7.16E+00	0.00E+00	7.16E+00
		Be-7	<3.50E+01	0.00E+00	3.50E+01
		K-40	<9.81E+01	0.00E+00	9.81E+01
Sample ID: 236891	Sample Dates: 3/5/2012 - 5/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		H3DW	<1.55E+01	0.00E+00	1.72E+02
Sample ID: 238757	Sample Dates: 5/29/2012 - 6/25/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	9.80E-01	3.71E-01	1.19E+00
		Mn-54	<7.67E+00	0.00E+00	7.67E+00
		Co-58	<6.06E+00	0.00E+00	6.06E+00
		Fe-59	<1.65E+01	0.00E+00	1.65E+01
		Co-60	<1.09E+01	0.00E+00	1.09E+01
		Zn-65	<1.18E+01	0.00E+00	1.18E+01
		Zr-95	<9.10E+00	0.00E+00	9.10E+00
		Nb-95	<7.26E+00	0.00E+00	7.26E+00
		I-131	<6.88E+00	0.00E+00	6.88E+00
		Cs-134	<6.85E+00	0.00E+00	6.85E+00
		Cs-137	<8.65E+00	0.00E+00	8.65E+00
		BaLa-140	<2.68E+00	0.00E+00	2.68E+00
		Be-7	<5.23E+01	0.00E+00	5.23E+01
		K-40	<1.43E+02	0.00E+00	1.43E+02
Sample ID: 240364	Sample Dates: 6/25/2012 - 7/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	<2.71E-01	0.00E+00	1.33E+00
		Mn-54	<5.60E+00	0.00E+00	5.60E+00
		Co-58	<6.17E+00	0.00E+00	6.17E+00
		Fe-59	<1.24E+01	0.00E+00	1.24E+01
		Co-60	<1.03E+01	0.00E+00	1.03E+01
		Zn-65	<1.36E+01	0.00E+00	1.36E+01
		Zr-95	<1.04E+01	0.00E+00	1.04E+01
		Nb-95	<6.46E+00	0.00E+00	6.46E+00
		I-131	<5.22E+00	0.00E+00	5.22E+00
		Cs-134	<6.22E+00	0.00E+00	6.22E+00
		Cs-137	<6.38E+00	0.00E+00	6.38E+00
		BaLa-140	<9.05E+00	0.00E+00	9.05E+00
		Be-7	<4.39E+01	0.00E+00	4.39E+01
		K-40	<1.04E+02	0.00E+00	1.04E+02
Sample ID: 242154	Sample Dates: 7/23/2012 - 8/20/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	<1.2E-02	0.00E+00	1.32E+00
		Mn-54	<6.35E+00	0.00E+00	6.35E+00
		Co-58	<4.78E+00	0.00E+00	4.78E+00
		Fe-59	<8.61E+00	0.00E+00	8.61E+00
		Co-60	<9.72E+00	0.00E+00	9.72E+00
		Zn-65	<1.38E+01	0.00E+00	1.38E+01



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: DRINKING WATER Concentration (Activity): pCi/l

Sample Point 060 [INDICATOR - NE @ 3.23 miles]

Sample ID: 242154	Sample Dates: 7/23/2012 - 8/20/2012	Nuclide	Activity	1 Sigma Error	LLD
		Zr-95	<1.28E+01	0.00E+00	1.28E+01
		Nb-95	<6.83E+00	0.00E+00	6.83E+00
		I-131	<5.02E+00	0.00E+00	5.02E+00
		Cs-134	<6.31E+00	0.00E+00	6.31E+00
		Cs-137	<6.43E+00	0.00E+00	6.43E+00
		BaLa-140	<7.41E+00	0.00E+00	7.41E+00
		Be-7	<5.99E+01	0.00E+00	5.99E+01
Sample ID: 242489	Sample Dates: 5/29/2012 - 8/20/2012	K-40	<9.04E+01	0.00E+00	9.04E+01
		H3DW	<8.98E+01	0.00E+00	1.72E+02
Sample ID: 244173	Sample Dates: 8/20/2012 - 9/17/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	<5.76E-01	0.00E+00	1.28E+00
		Mn-54	<4.45E+00	0.00E+00	4.45E+00
		Co-58	<5.14E+00	0.00E+00	5.14E+00
		Fe-59	<9.09E+00	0.00E+00	9.09E+00
		Co-60	<5.84E+00	0.00E+00	5.84E+00
		Zn-65	<9.76E+00	0.00E+00	9.76E+00
		Zr-95	<7.07E+00	0.00E+00	7.07E+00
		Nb-95	<5.87E+00	0.00E+00	5.87E+00
		I-131	<6.42E+00	0.00E+00	6.42E+00
		Cs-134	<4.21E+00	0.00E+00	4.21E+00
		Cs-137	<4.93E+00	0.00E+00	4.93E+00
		BaLa-140	<6.64E+00	0.00E+00	6.64E+00
		Be-7	<4.67E+01	0.00E+00	4.67E+01
		K-40	1.54E+02	2.80E+01	4.36E+01
Sample ID: 247128	Sample Dates: 9/17/2012 - 10/15/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.13E+00	4.03E-01	1.29E+00
		Mn-54	<5.98E+00	0.00E+00	5.98E+00
		Co-58	<2.94E+00	0.00E+00	2.94E+00
		Fe-59	<1.62E+01	0.00E+00	1.62E+01
		Co-60	<1.20E+01	0.00E+00	1.20E+01
		Zn-65	<1.43E+01	0.00E+00	1.43E+01
		Zr-95	<1.04E+01	0.00E+00	1.04E+01
		Nb-95	<6.18E+00	0.00E+00	6.18E+00
		I-131	<7.54E+00	0.00E+00	7.54E+00
		Cs-134	<6.83E+00	0.00E+00	6.83E+00
		Cs-137	<8.26E+00	0.00E+00	8.26E+00
		BaLa-140	<1.39E+01	0.00E+00	1.39E+01
		Be-7	<5.06E+01	0.00E+00	5.06E+01
		K-40	<1.53E+02	0.00E+00	1.53E+02
Sample ID: 248380	Sample Dates: 10/15/2012 - 11/12/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.09E+00	3.82E-01	1.22E+00
		Mn-54	<6.64E+00	0.00E+00	6.64E+00
		Co-58	<6.01E+00	0.00E+00	6.01E+00
		Fe-59	<1.15E+01	0.00E+00	1.15E+01
		Co-60	<9.39E+00	0.00E+00	9.39E+00
		Zn-65	<1.78E+01	0.00E+00	1.78E+01
		Zr-95	<1.37E+01	0.00E+00	1.37E+01
		Nb-95	<8.09E+00	0.00E+00	8.09E+00
		I-131	<6.88E+00	0.00E+00	6.88E+00
		Cs-134	<5.40E+00	0.00E+00	5.40E+00
		Cs-137	<7.20E+00	0.00E+00	7.20E+00
		BaLa-140	<1.08E+01	0.00E+00	1.08E+01
		Be-7	<5.52E+01	0.00E+00	5.52E+01
		K-40	<1.12E+02	0.00E+00	1.12E+02
Sample ID: 249031	Sample Dates: 11/12/2012 - 12/10/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	<1.4E-01	0.00E+00	1.44E+00
		Mn-54	<4.28E+00	0.00E+00	4.28E+00
		Co-58	<5.36E+00	0.00E+00	5.36E+00
		Fe-59	<7.68E+00	0.00E+00	7.68E+00
		Co-60	<7.44E+00	0.00E+00	7.44E+00
		Zn-65	<1.11E+01	0.00E+00	1.11E+01
		Zr-95	<6.20E+00	0.00E+00	6.20E+00
		Nb-95	<4.82E+00	0.00E+00	4.82E+00
		I-131	<4.63E+00	0.00E+00	4.63E+00



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: DRINKING WATER Concentration (Activity): pCi/l

Sample Point 060 [INDICATOR - NE @ 3.23 miles]

Sample ID:	249031	Sample Dates:	11/12/2012 - 12/10/2012	Nuclide	Activity	1 Sigma Error	LLD
				Cs-134	<5.16E+00	0.00E+00	5.16E+00
				Cs-137	<5.22E+00	0.00E+00	5.22E+00
				BaLa-140	<7.89E+00	0.00E+00	7.89E+00
				Be-7	<4.05E+01	0.00E+00	4.05E+01
				K-40	<1.02E+02	0.00E+00	1.02E+02

Sample ID:	249469	Sample Dates:	8/20/2012 - 12/10/2012	Nuclide	Activity	1 Sigma Error	LLD
				H3DW	<3.94E+01	0.00E+00	1.78E+02

Sample Point 064 [CONTROL - SSW @ 6.67 miles]

Sample ID:	227344	Sample Dates:	12/12/2011 - 1/9/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	8.54E-01	3.82E-01	1.23E+00
				Mn-54	<4.46E+00	0.00E+00	4.46E+00
				Co-58	<3.37E+00	0.00E+00	3.37E+00
				Fe-59	<1.04E+01	0.00E+00	1.04E+01
				Co-60	<6.84E+00	0.00E+00	6.84E+00
				Zn-65	<9.62E+00	0.00E+00	9.62E+00
				Zr-95	<6.62E+00	0.00E+00	6.62E+00
				Nb-95	<4.55E+00	0.00E+00	4.55E+00
				I-131	<5.59E+00	0.00E+00	5.59E+00
				Cs-134	<4.81E+00	0.00E+00	4.81E+00
				Cs-137	<5.28E+00	0.00E+00	5.28E+00
				BaLa-140	<6.24E+00	0.00E+00	6.24E+00
				Be-7	<3.82E+01	0.00E+00	3.82E+01
				K-40	<1.14E+02	0.00E+00	1.14E+02

Sample ID:	229455	Sample Dates:	1/9/2012 - 2/6/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	7.58E-01	3.35E-01	1.08E+00
				Mn-54	<4.74E+00	0.00E+00	4.74E+00
				Co-58	<6.03E+00	0.00E+00	6.03E+00
				Fe-59	<1.61E+01	0.00E+00	1.61E+01
				Co-60	<8.99E+00	0.00E+00	8.99E+00
				Zn-65	<1.35E+01	0.00E+00	1.35E+01
				Zr-95	<7.80E+00	0.00E+00	7.80E+00
				Nb-95	<7.84E+00	0.00E+00	7.84E+00
				I-131	<5.35E+00	0.00E+00	5.35E+00
				Cs-134	<5.42E+00	0.00E+00	5.42E+00
				Cs-137	<7.08E+00	0.00E+00	7.08E+00
				BaLa-140	<1.13E+01	0.00E+00	1.13E+01
				Be-7	<4.74E+01	0.00E+00	4.74E+01
				K-40	<1.03E+02	0.00E+00	1.03E+02

Sample ID:	231152	Sample Dates:	12/12/2011 - 3/5/2012	Nuclide	Activity	1 Sigma Error	LLD
				H3DW	<6.93E+00	0.00E+00	1.77E+02

Sample ID:	231675	Sample Dates:	2/6/2012 - 3/5/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	6.31E-01	3.73E-01	1.23E+00
				Mn-54	<4.26E+00	0.00E+00	4.26E+00
				Co-58	<4.02E+00	0.00E+00	4.02E+00
				Fe-59	<9.93E+00	0.00E+00	9.93E+00
				Co-60	<6.43E+00	0.00E+00	6.43E+00
				Zn-65	<1.26E+01	0.00E+00	1.26E+01
				Zr-95	<7.74E+00	0.00E+00	7.74E+00
				Nb-95	<5.38E+00	0.00E+00	5.38E+00
				I-131	<6.56E+00	0.00E+00	6.56E+00
				Cs-134	<4.78E+00	0.00E+00	4.78E+00
				Cs-137	<4.34E+00	0.00E+00	4.34E+00
				BaLa-140	<7.47E+00	0.00E+00	7.47E+00
				Be-7	<3.80E+01	0.00E+00	3.80E+01
				K-40	1.46E+02	2.91E+01	3.97E+01

Sample ID:	234533	Sample Dates:	3/5/2012 - 4/2/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.46E+00	3.65E-01	1.12E+00
				Mn-54	<4.12E+00	0.00E+00	4.12E+00
				Co-58	<4.27E+00	0.00E+00	4.27E+00
				Fe-59	<7.45E+00	0.00E+00	7.45E+00
				Co-60	<5.57E+00	0.00E+00	5.57E+00
				Zn-65	<1.30E+01	0.00E+00	1.30E+01
				Zr-95	<6.90E+00	0.00E+00	6.90E+00
				Nb-95	<4.64E+00	0.00E+00	4.64E+00



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: DRINKING WATER Concentration (Activity): pCi/l

Sample Point 064 [CONTROL - SSW @ 6.67 miles]

Sample ID: 234533	Sample Dates: 3/5/2012 - 4/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<5.13E+00	0.00E+00	5.13E+00
		Cs-134	<4.24E+00	0.00E+00	4.24E+00
		Cs-137	<5.59E+00	0.00E+00	5.59E+00
		BaLa-140	<7.89E+00	0.00E+00	7.89E+00
		Be-7	<3.30E+01	0.00E+00	3.30E+01
		K-40	1.67E+02	2.51E+01	3.94E+01
Sample ID: 235761	Sample Dates: 4/2/2012 - 4/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	8.39E-01	3.54E-01	1.14E+00
		Mn-54	<7.82E+00	0.00E+00	7.82E+00
		Co-58	<6.47E+00	0.00E+00	6.47E+00
		Fe-59	<1.06E+01	0.00E+00	1.06E+01
		Co-60	<6.89E+00	0.00E+00	6.89E+00
		Zn-65	<1.74E+01	0.00E+00	1.74E+01
		Zr-95	<8.97E+00	0.00E+00	8.97E+00
		Nb-95	<4.24E+00	0.00E+00	4.24E+00
		I-131	<6.93E+00	0.00E+00	6.93E+00
		Cs-134	<8.34E+00	0.00E+00	8.34E+00
		Cs-137	<7.75E+00	0.00E+00	7.75E+00
		BaLa-140	<9.24E+00	0.00E+00	9.24E+00
		Be-7	<4.09E+01	0.00E+00	4.09E+01
		K-40	<1.12E+02	0.00E+00	1.12E+02
Sample ID: 236829	Sample Dates: 4/30/2012 - 5/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	9.69E-01	3.76E-01	1.21E+00
		Mn-54	<4.78E+00	0.00E+00	4.78E+00
		Co-58	<4.22E+00	0.00E+00	4.22E+00
		Fe-59	<7.21E+00	0.00E+00	7.21E+00
		Co-60	<5.59E+00	0.00E+00	5.59E+00
		Zn-65	<1.02E+01	0.00E+00	1.02E+01
		Zr-95	<7.33E+00	0.00E+00	7.33E+00
		Nb-95	<6.43E+00	0.00E+00	6.43E+00
		I-131	<5.07E+00	0.00E+00	5.07E+00
		Cs-134	<4.13E+00	0.00E+00	4.13E+00
		Cs-137	<5.80E+00	0.00E+00	5.80E+00
		BaLa-140	<7.13E+00	0.00E+00	7.13E+00
		Be-7	<4.45E+01	0.00E+00	4.45E+01
		K-40	1.50E+02	3.28E+01	4.38E+01
Sample ID: 236892	Sample Dates: 3/5/2012 - 5/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		H3DW	<-3.8E+01	0.00E+00	1.71E+02
Sample ID: 238758	Sample Dates: 5/29/2012 - 6/25/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.35E+00	3.80E-01	1.19E+00
		Mn-54	<6.15E+00	0.00E+00	6.15E+00
		Co-58	<6.21E+00	0.00E+00	6.21E+00
		Fe-59	<1.26E+01	0.00E+00	1.26E+01
		Co-60	<1.24E+01	0.00E+00	1.24E+01
		Zn-65	<1.39E+01	0.00E+00	1.39E+01
		Zr-95	<1.04E+01	0.00E+00	1.04E+01
		Nb-95	<5.23E+00	0.00E+00	5.23E+00
		I-131	<5.25E+00	0.00E+00	5.25E+00
		Cs-134	<7.91E+00	0.00E+00	7.91E+00
		Cs-137	<9.59E+00	0.00E+00	9.59E+00
		BaLa-140	<2.64E+00	0.00E+00	2.64E+00
		Be-7	<5.81E+01	0.00E+00	5.81E+01
		K-40	<1.16E+02	0.00E+00	1.16E+02
Sample ID: 240365	Sample Dates: 6/25/2012 - 7/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	9.93E-01	4.09E-01	1.33E+00
		Mn-54	<6.06E+00	0.00E+00	6.06E+00
		Co-58	<5.86E+00	0.00E+00	5.86E+00
		Fe-59	<8.54E+00	0.00E+00	8.54E+00
		Co-60	<8.91E+00	0.00E+00	8.91E+00
		Zn-65	<1.71E+01	0.00E+00	1.71E+01
		Zr-95	<1.18E+01	0.00E+00	1.18E+01
		Nb-95	<4.80E+00	0.00E+00	4.80E+00
		I-131	<7.82E+00	0.00E+00	7.82E+00
		Cs-134	<4.82E+00	0.00E+00	4.82E+00
		Cs-137	<7.68E+00	0.00E+00	7.68E+00



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: DRINKING WATER Concentration (Activity): pCi/l

Sample Point 064 [CONTROL - SSW @ 6.67 miles]

Sample ID: 240365	Sample Dates: 6/25/2012 - 7/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		BaLa-140	<1.05E+01	0.00E+00	1.05E+01
		Be-7	<5.81E+01	0.00E+00	5.81E+01
		K-40	<1.24E+02	0.00E+00	1.24E+02
Sample ID: 242155	Sample Dates: 7/23/2012 - 8/20/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	9.03E-01	4.07E-01	1.32E+00
		Mn-54	<5.01E+00	0.00E+00	5.01E+00
		Co-58	<3.35E+00	0.00E+00	3.35E+00
		Fe-59	<8.20E+00	0.00E+00	8.20E+00
		Co-60	<7.25E+00	0.00E+00	7.25E+00
		Zn-65	<1.28E+01	0.00E+00	1.28E+01
		Zr-95	<1.02E+01	0.00E+00	1.02E+01
		Nb-95	<5.55E+00	0.00E+00	5.55E+00
		I-131	<5.78E+00	0.00E+00	5.78E+00
		Cs-134	<5.16E+00	0.00E+00	5.16E+00
		Cs-137	<5.27E+00	0.00E+00	5.27E+00
		BaLa-140	<4.68E+00	0.00E+00	4.68E+00
		Be-7	<4.12E+01	0.00E+00	4.12E+01
		K-40	1.11E+02	2.45E+01	4.18E+01
Sample ID: 242490	Sample Dates: 5/29/2012 - 8/20/2012	Nuclide	Activity	1 Sigma Error	LLD
		H3DW	<2.25E+00	0.00E+00	1.73E+02
Sample ID: 244174	Sample Dates: 8/20/2012 - 9/17/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	6.64E-01	3.88E-01	1.28E+00
		Mn-54	<5.62E+00	0.00E+00	5.62E+00
		Co-58	<4.78E+00	0.00E+00	4.78E+00
		Fe-59	<7.43E+00	0.00E+00	7.43E+00
		Co-60	<6.76E+00	0.00E+00	6.76E+00
		Zn-65	<1.06E+01	0.00E+00	1.06E+01
		Zr-95	<8.45E+00	0.00E+00	8.45E+00
		Nb-95	<4.14E+00	0.00E+00	4.14E+00
		I-131	<4.87E+00	0.00E+00	4.87E+00
		Cs-134	<4.26E+00	0.00E+00	4.26E+00
		Cs-137	<6.13E+00	0.00E+00	6.13E+00
		BaLa-140	<6.25E+00	0.00E+00	6.25E+00
		Be-7	<3.56E+01	0.00E+00	3.56E+01
		K-40	1.10E+02	2.67E+01	4.96E+01
Sample ID: 247129	Sample Dates: 9/17/2012 - 10/15/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	7.40E-01	3.94E-01	1.29E+00
		Mn-54	<7.60E+00	0.00E+00	7.60E+00
		Co-58	<6.74E+00	0.00E+00	6.74E+00
		Fe-59	<1.15E+01	0.00E+00	1.15E+01
		Co-60	<1.10E+01	0.00E+00	1.10E+01
		Zn-65	<1.80E+01	0.00E+00	1.80E+01
		Zr-95	<1.27E+01	0.00E+00	1.27E+01
		Nb-95	<8.45E+00	0.00E+00	8.45E+00
		I-131	<8.53E+00	0.00E+00	8.53E+00
		Cs-134	<7.73E+00	0.00E+00	7.73E+00
		Cs-137	<9.34E+00	0.00E+00	9.34E+00
		BaLa-140	<1.02E+01	0.00E+00	1.02E+01
		Be-7	<6.51E+01	0.00E+00	6.51E+01
		K-40	1.06E+02	3.81E+01	6.91E+01
Sample ID: 248381	Sample Dates: 10/15/2012 - 11/12/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	<4.66E-01	0.00E+00	1.22E+00
		Mn-54	<6.97E+00	0.00E+00	6.97E+00
		Co-58	<5.19E+00	0.00E+00	5.19E+00
		Fe-59	<9.14E+00	0.00E+00	9.14E+00
		Co-60	<8.04E+00	0.00E+00	8.04E+00
		Zn-65	<1.38E+01	0.00E+00	1.38E+01
		Zr-95	<1.04E+01	0.00E+00	1.04E+01
		Nb-95	<7.81E+00	0.00E+00	7.81E+00
		I-131	<6.64E+00	0.00E+00	6.64E+00
		Cs-134	<7.25E+00	0.00E+00	7.25E+00
		Cs-137	<7.07E+00	0.00E+00	7.07E+00
		BaLa-140	<9.32E+00	0.00E+00	9.32E+00
		Be-7	<6.83E+01	0.00E+00	6.83E+01
		K-40	<9.87E+01	0.00E+00	9.87E+01



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: DRINKING WATER Concentration (Activity): pCi/l

Sample Point 064 [CONTROL - SSW @ 6.67 miles]

Sample ID:	249032	Sample Dates:	11/12/2012 - 12/10/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	<-6.8E-01	0.00E+00	1.44E+00
				Mn-54	<4.92E+00	0.00E+00	4.92E+00
				Co-58	<4.90E+00	0.00E+00	4.90E+00
				Fe-59	<1.55E+01	0.00E+00	1.55E+01
				Co-60	<1.02E+01	0.00E+00	1.02E+01
				Zn-65	<2.09E+01	0.00E+00	2.09E+01
				Zr-95	<1.28E+01	0.00E+00	1.28E+01
				Nb-95	<1.01E+01	0.00E+00	1.01E+01
				I-131	<7.90E+00	0.00E+00	7.90E+00
				Cs-134	<8.06E+00	0.00E+00	8.06E+00
				Cs-137	<9.66E+00	0.00E+00	9.66E+00
				BaLa-140	<7.49E+00	0.00E+00	7.49E+00
				Be-7	<6.31E+01	0.00E+00	6.31E+01
				K-40	<1.21E+02	0.00E+00	1.21E+02

Sample ID:	249470	Sample Dates:	8/20/2012 - 12/10/2012	Nuclide	Activity	1 Sigma Error	LLD
				H3DW	<2.32E+01	0.00E+00	1.78E+02

Sample Point 066 [INDICATOR - SSE @ 18.9 miles]

Sample ID:	227345	Sample Dates:	12/12/2011 - 1/9/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.61E+00	4.00E-01	1.24E+00
				Mn-54	<3.94E+00	0.00E+00	3.94E+00
				Co-58	<5.60E+00	0.00E+00	5.60E+00
				Fe-59	<8.01E+00	0.00E+00	8.01E+00
				Co-60	<6.07E+00	0.00E+00	6.07E+00
				Zn-65	<2.05E+00	0.00E+00	2.05E+00
				Zr-95	<7.44E+00	0.00E+00	7.44E+00
				Nb-95	<4.82E+00	0.00E+00	4.82E+00
				I-131	<5.84E+00	0.00E+00	5.84E+00
				Cs-134	<4.42E+00	0.00E+00	4.42E+00
				Cs-137	<5.67E+00	0.00E+00	5.67E+00
				BaLa-140	<6.71E+00	0.00E+00	6.71E+00
				Be-7	<3.83E+01	0.00E+00	3.83E+01
				K-40	<9.63E+01	0.00E+00	9.63E+01

Sample ID:	229456	Sample Dates:	1/9/2012 - 2/6/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	1.05E+00	3.45E-01	1.09E+00
				Mn-54	<5.68E+00	0.00E+00	5.68E+00
				Co-58	<4.46E+00	0.00E+00	4.46E+00
				Fe-59	<9.16E+00	0.00E+00	9.16E+00
				Co-60	<6.31E+00	0.00E+00	6.31E+00
				Zn-65	<6.95E+00	0.00E+00	6.95E+00
				Zr-95	<8.79E+00	0.00E+00	8.79E+00
				Nb-95	<5.50E+00	0.00E+00	5.50E+00
				I-131	<7.05E+00	0.00E+00	7.05E+00
				Cs-134	<4.60E+00	0.00E+00	4.60E+00
				Cs-137	<4.99E+00	0.00E+00	4.99E+00
				BaLa-140	<7.42E+00	0.00E+00	7.42E+00
				Be-7	<4.39E+01	0.00E+00	4.39E+01
				K-40	1.53E+02	2.84E+01	5.54E+01

Sample ID:	231153	Sample Dates:	12/12/2011 - 3/5/2012	Nuclide	Activity	1 Sigma Error	LLD
				H3DW	3.17E+02	5.69E+01	1.70E+02

Sample ID:	231676	Sample Dates:	2/6/2012 - 3/5/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	<4.95E-01	0.00E+00	1.23E+00
				Mn-54	<5.10E+00	0.00E+00	5.10E+00
				Co-58	<5.36E+00	0.00E+00	5.36E+00
				Fe-59	<1.41E+01	0.00E+00	1.41E+01
				Co-60	<7.74E+00	0.00E+00	7.74E+00
				Zn-65	<1.43E+01	0.00E+00	1.43E+01
				Zr-95	<1.40E+01	0.00E+00	1.40E+01
				Nb-95	<7.81E+00	0.00E+00	7.81E+00
				I-131	<6.91E+00	0.00E+00	6.91E+00
				Cs-134	<4.64E+00	0.00E+00	4.64E+00
				Cs-137	<7.28E+00	0.00E+00	7.28E+00
				BaLa-140	<1.12E+01	0.00E+00	1.12E+01
				Be-7	<4.67E+01	0.00E+00	4.67E+01
				K-40	<1.29E+02	0.00E+00	1.29E+02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: DRINKING WATER Concentration (Activity): pCi/l

Sample Point 066 [INDICATOR - SSE @ 18.9 miles]

Sample ID: 234534	Sample Dates: 3/5/2012 - 4/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	2.03E+00	3.80E-01	1.13E+00
		Mn-54	<7.02E+00	0.00E+00	7.02E+00
		Co-58	<6.75E+00	0.00E+00	6.75E+00
		Fe-59	<1.54E+01	0.00E+00	1.54E+01
		Co-60	<8.82E+00	0.00E+00	8.82E+00
		Zn-65	<1.84E+01	0.00E+00	1.84E+01
		Zr-95	<1.35E+01	0.00E+00	1.35E+01
		Nb-95	<6.54E+00	0.00E+00	6.54E+00
		I-131	<7.17E+00	0.00E+00	7.17E+00
		Cs-134	<6.51E+00	0.00E+00	6.51E+00
		Cs-137	<9.09E+00	0.00E+00	9.09E+00
		BaLa-140	<9.88E+00	0.00E+00	9.88E+00
		Be-7	<6.82E+01	0.00E+00	6.82E+01
		K-40	1.49E+02	3.50E+01	7.34E+01
Sample ID: 235762	Sample Dates: 4/2/2012 - 4/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.57E+00	3.73E-01	1.15E+00
		Mn-54	<5.47E+00	0.00E+00	5.47E+00
		Co-58	<4.75E+00	0.00E+00	4.75E+00
		Fe-59	<9.61E+00	0.00E+00	9.61E+00
		Co-60	<6.31E+00	0.00E+00	6.31E+00
		Zn-65	<1.01E+01	0.00E+00	1.01E+01
		Zr-95	<6.14E+00	0.00E+00	6.14E+00
		Nb-95	<4.62E+00	0.00E+00	4.62E+00
		I-131	<6.04E+00	0.00E+00	6.04E+00
		Cs-134	<4.13E+00	0.00E+00	4.13E+00
		Cs-137	<5.31E+00	0.00E+00	5.31E+00
		BaLa-140	<6.01E+00	0.00E+00	6.01E+00
		Be-7	<3.86E+01	0.00E+00	3.86E+01
		K-40	2.05E+02	2.78E+01	4.79E+01
Sample ID: 236830	Sample Dates: 5/29/2012 - 5/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.74E+00	3.96E-01	1.22E+00
		Mn-54	<5.05E+00	0.00E+00	5.05E+00
		Co-58	<3.36E+00	0.00E+00	3.36E+00
		Fe-59	<1.02E+01	0.00E+00	1.02E+01
		Co-60	<7.15E+00	0.00E+00	7.15E+00
		Zn-65	<1.15E+01	0.00E+00	1.15E+01
		Zr-95	<7.59E+00	0.00E+00	7.59E+00
		Nb-95	<3.00E+00	0.00E+00	3.00E+00
		I-131	<5.34E+00	0.00E+00	5.34E+00
		Cs-134	<4.17E+00	0.00E+00	4.17E+00
		Cs-137	<5.14E+00	0.00E+00	5.14E+00
		BaLa-140	<5.97E+00	0.00E+00	5.97E+00
		Be-7	<3.91E+01	0.00E+00	3.91E+01
		K-40	1.33E+02	2.28E+01	3.43E+01
Sample ID: 236893	Sample Dates: 3/5/2012 - 5/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		H3DW	3.60E+02	5.80E+01	1.71E+02
Sample ID: 238759	Sample Dates: 5/29/2012 - 6/25/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.80E+00	3.92E-01	1.20E+00
		Mn-54	<2.90E+00	0.00E+00	2.90E+00
		Co-58	<5.23E+00	0.00E+00	5.23E+00
		Fe-59	<8.80E+00	0.00E+00	8.80E+00
		Co-60	<8.37E+00	0.00E+00	8.37E+00
		Zn-65	<1.17E+01	0.00E+00	1.17E+01
		Zr-95	<8.67E+00	0.00E+00	8.67E+00
		Nb-95	<5.32E+00	0.00E+00	5.32E+00
		I-131	<5.94E+00	0.00E+00	5.94E+00
		Cs-134	<4.30E+00	0.00E+00	4.30E+00
		Cs-137	<5.75E+00	0.00E+00	5.75E+00
		BaLa-140	<6.88E+00	0.00E+00	6.88E+00
		Be-7	<4.08E+01	0.00E+00	4.08E+01
		K-40	1.28E+02	2.69E+01	6.29E+01
Sample ID: 240366	Sample Dates: 6/25/2012 - 7/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	8.61E-01	4.09E-01	1.34E+00
		Mn-54	<4.31E+00	0.00E+00	4.31E+00
		Co-58	<4.84E+00	0.00E+00	4.84E+00



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: DRINKING WATER Concentration (Activity): pCi/l

Sample Point 066 [INDICATOR - SSE @ 18.9 miles]

Sample ID: 240366	Sample Dates: 6/25/2012 - 7/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		Fe-59	<9.02E+00	0.00E+00	9.02E+00
		Co-60	<7.85E+00	0.00E+00	7.85E+00
		Zn-65	<9.11E+00	0.00E+00	9.11E+00
		Zr-95	<8.92E+00	0.00E+00	8.92E+00
		Nb-95	<5.42E+00	0.00E+00	5.42E+00
		I-131	<5.14E+00	0.00E+00	5.14E+00
		Cs-134	<5.43E+00	0.00E+00	5.43E+00
		Cs-137	<6.92E+00	0.00E+00	6.92E+00
		BaLa-140	<8.36E+00	0.00E+00	8.36E+00
		Be-7	<4.07E+01	0.00E+00	4.07E+01
		K-40	1.39E+02	2.77E+01	6.20E+01
Sample ID: 242156	Sample Dates: 7/23/2012 - 8/20/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	9.71E-01	4.08E-01	1.32E+00
		Mn-54	<5.18E+00	0.00E+00	5.18E+00
		Co-58	<4.99E+00	0.00E+00	4.99E+00
		Fe-59	<1.14E+01	0.00E+00	1.14E+01
		Co-60	<7.95E+00	0.00E+00	7.95E+00
		Zn-65	<1.09E+01	0.00E+00	1.09E+01
		Zr-95	<9.04E+00	0.00E+00	9.04E+00
		Nb-95	<4.51E+00	0.00E+00	4.51E+00
		I-131	<5.22E+00	0.00E+00	5.22E+00
		Cs-134	<4.08E+00	0.00E+00	4.08E+00
		Cs-137	<4.93E+00	0.00E+00	4.93E+00
		BaLa-140	<6.41E+00	0.00E+00	6.41E+00
		Be-7	<3.74E+01	0.00E+00	3.74E+01
		K-40	5.81E+01	1.61E+01	3.81E+01
Sample ID: 242491	Sample Dates: 5/29/2012 - 8/20/2012	Nuclide	Activity	1 Sigma Error	LLD
		H3DW	2.93E+02	5.75E+01	1.73E+02
Sample ID: 244175	Sample Dates: 8/20/2012 - 9/17/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.26E+00	4.04E-01	1.28E+00
		Mn-54	<6.77E+00	0.00E+00	6.77E+00
		Co-58	<8.49E+00	0.00E+00	8.49E+00
		Fe-59	<1.36E+01	0.00E+00	1.36E+01
		Co-60	<1.08E+01	0.00E+00	1.08E+01
		Zn-65	<1.28E+01	0.00E+00	1.28E+01
		Zr-95	<1.25E+01	0.00E+00	1.25E+01
		Nb-95	<8.79E+00	0.00E+00	8.79E+00
		I-131	<7.13E+00	0.00E+00	7.13E+00
		Cs-134	<7.32E+00	0.00E+00	7.32E+00
		Cs-137	<9.35E+00	0.00E+00	9.35E+00
		BaLa-140	<1.18E+01	0.00E+00	1.18E+01
		Be-7	<5.45E+01	0.00E+00	5.45E+01
		K-40	1.40E+02	3.41E+01	7.97E+01
Sample ID: 247130	Sample Dates: 9/17/2012 - 10/15/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.32E+00	4.08E-01	1.30E+00
		Mn-54	<4.74E+00	0.00E+00	4.74E+00
		Co-58	<5.31E+00	0.00E+00	5.31E+00
		Fe-59	<1.32E+01	0.00E+00	1.32E+01
		Co-60	<7.43E+00	0.00E+00	7.43E+00
		Zn-65	<1.04E+01	0.00E+00	1.04E+01
		Zr-95	<7.58E+00	0.00E+00	7.58E+00
		Nb-95	<6.45E+00	0.00E+00	6.45E+00
		I-131	<6.50E+00	0.00E+00	6.50E+00
		Cs-134	<6.62E+00	0.00E+00	6.62E+00
		Cs-137	<6.62E+00	0.00E+00	6.62E+00
		BaLa-140	<7.34E+00	0.00E+00	7.34E+00
		Be-7	<4.96E+01	0.00E+00	4.96E+01
		K-40	3.83E+01	2.26E+01	4.80E+01
Sample ID: 248382	Sample Dates: 10/15/2012 - 11/12/2012	Nuclide	Activity	1 Sigma Error	LLD
		Beta	1.16E+00	3.87E-01	1.23E+00
		Mn-54	<7.70E+00	0.00E+00	7.70E+00
		Co-58	<4.91E+00	0.00E+00	4.91E+00
		Fe-59	<1.44E+01	0.00E+00	1.44E+01
		Co-60	<5.64E+00	0.00E+00	5.64E+00
		Zn-65	<1.42E+01	0.00E+00	1.42E+01



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: DRINKING WATER Concentration (Activity): pCi/l

Sample Point 066 [INDICATOR - SSE @ 18.9 miles]

Sample ID:	248382	Sample Dates:	10/15/2012 - 11/12/2012	Nuclide	Activity	1 Sigma Error	LLD
				Zr-95	<1.08E+01	0.00E+00	1.08E+01
				Nb-95	<4.82E+00	0.00E+00	4.82E+00
				I-131	<8.16E+00	0.00E+00	8.16E+00
				Cs-134	<6.60E+00	0.00E+00	6.60E+00
				Cs-137	<7.64E+00	0.00E+00	7.64E+00
				BaLa-140	<9.34E+00	0.00E+00	9.34E+00
				Be-7	<5.42E+01	0.00E+00	5.42E+01
				K-40	<1.33E+02	0.00E+00	1.33E+02

Sample ID:	249033	Sample Dates:	11/12/2012 - 12/10/2012	Nuclide	Activity	1 Sigma Error	LLD
				Beta	<-6.0E-01	0.00E+00	1.45E+00
				Mn-54	<4.55E+00	0.00E+00	4.55E+00
				Co-58	<4.69E+00	0.00E+00	4.69E+00
				Fe-59	<9.84E+00	0.00E+00	9.84E+00
				Co-60	<7.42E+00	0.00E+00	7.42E+00
				Zn-65	<1.23E+01	0.00E+00	1.23E+01
				Zr-95	<8.02E+00	0.00E+00	8.02E+00
				Nb-95	<5.30E+00	0.00E+00	5.30E+00
				I-131	<5.30E+00	0.00E+00	5.30E+00
				Cs-134	<4.86E+00	0.00E+00	4.86E+00
				Cs-137	<5.37E+00	0.00E+00	5.37E+00
				BaLa-140	<7.10E+00	0.00E+00	7.10E+00
				Be-7	<3.89E+01	0.00E+00	3.89E+01
				K-40	5.65E+01	2.06E+01	5.26E+01

Sample ID:	249471	Sample Dates:	8/20/2012 - 12/10/2012	Nuclide	Activity	1 Sigma Error	LLD
				H3DW	3.15E+02	5.93E+01	1.78E+02

Media Type: FISH_BTMEFEEDER Concentration (Activity): pCi/kg

Sample Point 060 [INDICATOR - NE @ 3.23 miles]

Sample ID:	233500	Sample Dates:	4/16/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<1.11E+01	0.00E+00	1.11E+01
				Co-58	<1.18E+01	0.00E+00	1.18E+01
				Fe-59	<2.70E+01	0.00E+00	2.70E+01
				Co-60	<1.60E+01	0.00E+00	1.60E+01
				Zn-65	<3.28E+01	0.00E+00	3.28E+01
				Nb-95	<1.04E+01	0.00E+00	1.04E+01
				I-131	<1.04E+01	0.00E+00	1.04E+01
				Cs-134	<1.31E+01	0.00E+00	1.31E+01
				Cs-137	3.18E+01	4.82E+00	7.97E+00
				Be-7	<7.50E+01	0.00E+00	7.50E+01
				K-40	3.04E+03	1.68E+02	7.98E+01
				Ag-110M	<7.24E+00	0.00E+00	7.24E+00
				Sb-122	<1.85E+01	0.00E+00	1.85E+01
				Sb-125	<2.48E+01	0.00E+00	2.48E+01

Sample ID:	244928	Sample Dates:	10/8/2012 - 10/8/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<1.39E+01	0.00E+00	1.39E+01
				Co-58	<1.34E+01	0.00E+00	1.34E+01
				Fe-59	<3.42E+01	0.00E+00	3.42E+01
				Co-60	<1.97E+01	0.00E+00	1.97E+01
				Zn-65	<3.21E+01	0.00E+00	3.21E+01
				Nb-95	<1.57E+01	0.00E+00	1.57E+01
				I-131	<1.44E+01	0.00E+00	1.44E+01
				Cs-134	<1.34E+01	0.00E+00	1.34E+01
				Cs-137	2.38E+01	6.69E+00	1.13E+01
				Be-7	<1.10E+02	0.00E+00	1.10E+02
				K-40	2.84E+03	1.86E+02	8.22E+01
				Ag-110M	<1.20E+01	0.00E+00	1.20E+01
				Sb-122	<2.15E+01	0.00E+00	2.15E+01
				Sb-125	<3.78E+01	0.00E+00	3.78E+01

Sample Point 063 [INDICATOR - ESE @ 0.8 miles]

Sample ID:	233501	Sample Dates:	4/16/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<1.46E+01	0.00E+00	1.46E+01
				Co-58	<1.32E+01	0.00E+00	1.32E+01
				Fe-59	<3.02E+01	0.00E+00	3.02E+01
				Co-60	<2.05E+01	0.00E+00	2.05E+01



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Media Type: FISH_BTMEFEEDER Concentration (Activity): pCi/kg

Sample Point 063 [INDICATOR - ESE @ 0.8 miles]

Sample ID:	233501	Sample Dates:	4/16/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				Zn-65	<2.56E+01	0.00E+00	2.56E+01
				Nb-95	<1.09E+01	0.00E+00	1.09E+01
				I-131	<1.04E+01	0.00E+00	1.04E+01
				Cs-134	<1.35E+01	0.00E+00	1.35E+01
				Cs-137	4.54E+01	6.85E+00	1.17E+01
				Be-7	<1.00E+02	0.00E+00	1.00E+02
				K-40	4.47E+03	2.07E+02	1.12E+02
				Ag-110M	<1.16E+01	0.00E+00	1.16E+01
				Sb-122	<1.62E+01	0.00E+00	1.62E+01
				Sb-125	<3.49E+01	0.00E+00	3.49E+01

Sample ID:	244929	Sample Dates:	10/8/2012 - 10/8/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<2.46E+01	0.00E+00	2.46E+01
				Co-58	1.23E+02	2.36E+01	3.28E+01
				Fe-59	<9.62E+01	0.00E+00	9.62E+01
				Co-60	3.61E+01	1.07E+01	2.85E+01
				Zn-65	<7.34E+01	0.00E+00	7.34E+01
				Nb-95	<5.15E+01	0.00E+00	5.15E+01
				I-131	<5.29E+02	0.00E+00	5.29E+02
				Cs-134	<2.93E+01	0.00E+00	2.93E+01
				Cs-137	7.12E+01	1.18E+01	2.06E+01
				Be-7	<3.14E+02	0.00E+00	3.14E+02
				K-40	3.37E+03	2.93E+02	2.64E+02
				Ag-110M	<1.69E+01	0.00E+00	1.69E+01
				Sb-122	<0.00E+00	0.00E+00	0.00E+00
				Sb-125	<6.24E+01	0.00E+00	6.24E+01

Sample Point 067 [INDICATOR - SSE @ 4.34 miles]

Sample ID:	233502	Sample Dates:	4/16/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<2.32E+01	0.00E+00	2.32E+01
				Co-58	<2.36E+01	0.00E+00	2.36E+01
				Fe-59	<5.42E+01	0.00E+00	5.42E+01
				Co-60	<3.24E+01	0.00E+00	3.24E+01
				Zn-65	<6.09E+01	0.00E+00	6.09E+01
				Nb-95	<2.31E+01	0.00E+00	2.31E+01
				I-131	<2.06E+01	0.00E+00	2.06E+01
				Cs-134	<2.50E+01	0.00E+00	2.50E+01
				Cs-137	3.20E+01	1.51E+01	2.24E+01
				Be-7	<1.86E+02	0.00E+00	1.86E+02
				K-40	5.32E+03	3.36E+02	2.30E+02
				Ag-110M	<1.96E+01	0.00E+00	1.96E+01
				Sb-122	<3.22E+01	0.00E+00	3.22E+01
				Sb-125	<5.99E+01	0.00E+00	5.99E+01

Sample ID:	244930	Sample Dates:	10/8/2012 - 10/8/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<3.00E+01	0.00E+00	3.00E+01
				Co-58	<2.71E+01	0.00E+00	2.71E+01
				Fe-59	<7.85E+01	0.00E+00	7.85E+01
				Co-60	<4.18E+01	0.00E+00	4.18E+01
				Zn-65	<8.28E+01	0.00E+00	8.28E+01
				Nb-95	<3.22E+01	0.00E+00	3.22E+01
				I-131	<3.01E+01	0.00E+00	3.01E+01
				Cs-134	<2.52E+01	0.00E+00	2.52E+01
				Cs-137	4.09E+01	1.43E+01	2.37E+01
				Be-7	<2.14E+02	0.00E+00	2.14E+02
				K-40	3.22E+03	3.37E+02	3.23E+02
				Ag-110M	<2.91E+01	0.00E+00	2.91E+01
				Sb-122	<5.76E+01	0.00E+00	5.76E+01
				Sb-125	<6.59E+01	0.00E+00	6.59E+01

Media Type: FISH_PREDATOR Concentration (Activity): pCi/kg

Sample Point 060 [INDICATOR - NE @ 3.23 miles]

Sample ID:	233503	Sample Dates:	4/16/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<2.08E+01	0.00E+00	2.08E+01
				Co-58	<1.23E+01	0.00E+00	1.23E+01
				Fe-59	<3.61E+01	0.00E+00	3.61E+01
				Co-60	<2.02E+01	0.00E+00	2.02E+01
				Zn-65	<4.30E+01	0.00E+00	4.30E+01



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: FISH_PREDATOR Concentration (Activity): pCi/kg

Sample Point 060 [INDICATOR - NE @ 3.23 miles]

Sample ID:	233503	Sample Dates:	4/16/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				Nb-95	<1.44E+01	0.00E+00	1.44E+01
				I-131	<1.63E+01	0.00E+00	1.63E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	2.84E+01	8.70E+00	1.24E+01
				Be-7	<1.04E+02	0.00E+00	1.04E+02
				K-40	3.41E+03	2.30E+02	1.15E+02
				Ag-110M	<1.63E+01	0.00E+00	1.63E+01
				Sb-122	<2.09E+01	0.00E+00	2.09E+01
				Sb-125	<3.52E+01	0.00E+00	3.52E+01

Sample ID:	244931	Sample Dates:	10/8/2012 - 10/8/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<1.28E+01	0.00E+00	1.28E+01
				Co-58	<2.25E+01	0.00E+00	2.25E+01
				Fe-59	<3.30E+01	0.00E+00	3.30E+01
				Co-60	<2.68E+01	0.00E+00	2.68E+01
				Zn-65	<5.13E+01	0.00E+00	5.13E+01
				Nb-95	<2.08E+01	0.00E+00	2.08E+01
				I-131	<1.82E+01	0.00E+00	1.82E+01
				Cs-134	<1.92E+01	0.00E+00	1.92E+01
				Cs-137	<2.44E+01	0.00E+00	2.44E+01
				Be-7	1.18E+02	5.10E+01	1.44E+02
				K-40	3.09E+03	2.70E+02	2.67E+02
				Ag-110M	<1.61E+01	0.00E+00	1.61E+01
				Sb-122	<2.95E+01	0.00E+00	2.95E+01
				Sb-125	<4.37E+01	0.00E+00	4.37E+01

Sample Point 063 [INDICATOR - ESE @ 0.8 miles]

Sample ID:	233504	Sample Dates:	4/16/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<1.86E+01	0.00E+00	1.86E+01
				Co-58	<1.82E+01	0.00E+00	1.82E+01
				Fe-59	<4.28E+01	0.00E+00	4.28E+01
				Co-60	<2.52E+01	0.00E+00	2.52E+01
				Zn-65	<4.79E+01	0.00E+00	4.79E+01
				Nb-95	<1.64E+01	0.00E+00	1.64E+01
				I-131	<1.71E+01	0.00E+00	1.71E+01
				Cs-134	<1.83E+01	0.00E+00	1.83E+01
				Cs-137	3.59E+01	7.60E+00	1.90E+01
				Be-7	<1.31E+02	0.00E+00	1.31E+02
				K-40	3.68E+03	2.58E+02	2.34E+02
				Ag-110M	<1.90E+01	0.00E+00	1.90E+01
				Sb-122	<2.46E+01	0.00E+00	2.46E+01
				Sb-125	<4.46E+01	0.00E+00	4.46E+01

Sample ID:	244932	Sample Dates:	10/8/2012 - 10/8/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<1.24E+01	0.00E+00	1.24E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<2.94E+01	0.00E+00	2.94E+01
				Co-60	<1.95E+01	0.00E+00	1.95E+01
				Zn-65	<2.64E+01	0.00E+00	2.64E+01
				Nb-95	<1.30E+01	0.00E+00	1.30E+01
				I-131	<1.10E+01	0.00E+00	1.10E+01
				Cs-134	<1.37E+01	0.00E+00	1.37E+01
				Cs-137	2.03E+01	6.13E+00	1.51E+01
				Be-7	<8.42E+01	0.00E+00	8.42E+01
				K-40	3.97E+03	2.29E+02	1.80E+02
				Ag-110M	<1.28E+01	0.00E+00	1.28E+01
				Sb-122	<2.29E+01	0.00E+00	2.29E+01
				Sb-125	<2.68E+01	0.00E+00	2.68E+01

Sample Point 067 [INDICATOR - SSE @ 4.34 miles]

Sample ID:	233505	Sample Dates:	4/16/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<7.74E+00	0.00E+00	7.74E+00
				Co-58	<1.06E+01	0.00E+00	1.06E+01
				Fe-59	<2.50E+01	0.00E+00	2.50E+01
				Co-60	<7.39E+00	0.00E+00	7.39E+00
				Zn-65	<2.13E+01	0.00E+00	2.13E+01
				Nb-95	<1.03E+01	0.00E+00	1.03E+01
				I-131	<9.82E+00	0.00E+00	9.82E+00



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: FISH_PREDATOR Concentration (Activity): pCi/kg

Sample Point 067 [INDICATOR - SSE @ 4.34 miles]

Sample ID:	233505	Sample Dates:	4/16/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				Cs-134	<1.04E+01	0.00E+00	1.04E+01
				Cs-137	<1.63E+01	0.00E+00	1.63E+01
				Be-7	<8.88E+01	0.00E+00	8.88E+01
				K-40	3.34E+03	1.59E+02	6.84E+01
				Ag-110M	<1.02E+01	0.00E+00	1.02E+01
				Sb-122	<1.54E+01	0.00E+00	1.54E+01
				Sb-125	<2.25E+01	0.00E+00	2.25E+01

Sample ID:	244933	Sample Dates:	10/8/2012 - 10/8/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<1.43E+01	0.00E+00	1.43E+01
				Co-58	<1.70E+01	0.00E+00	1.70E+01
				Fe-59	<5.08E+01	0.00E+00	5.08E+01
				Co-60	<1.60E+01	0.00E+00	1.60E+01
				Zn-65	<4.21E+01	0.00E+00	4.21E+01
				Nb-95	<1.72E+01	0.00E+00	1.72E+01
				I-131	<1.40E+01	0.00E+00	1.40E+01
				Cs-134	<1.44E+01	0.00E+00	1.44E+01
				Cs-137	1.72E+01	5.44E+00	1.51E+01
				Be-7	<1.00E+02	0.00E+00	1.00E+02
				K-40	3.52E+03	2.30E+02	1.62E+02
				Ag-110M	<1.52E+01	0.00E+00	1.52E+01
				Sb-122	<2.37E+01	0.00E+00	2.37E+01
				Sb-125	<3.21E+01	0.00E+00	3.21E+01

Media Type: MILK Concentration (Activity): pCi/l

Sample Point 071 [CONTROL - SSE @ 10.2 miles]

Sample ID:	227247	Sample Dates:	1/3/2012 - 1/3/2012	Nuclide	Activity	1 Sigma Error	LLD
				Be-7	<5.18E+00	0.00E+00	5.18E+00
				K-40	1.85E+01	4.67E+00	8.30E+00
				LLI-131	<6.42E-01	0.00E+00	6.42E-01
				I-131	<5.24E+00	0.00E+00	5.24E+00
				Cs-134	<5.40E+00	0.00E+00	5.40E+00
				Cs-137	<7.36E+00	0.00E+00	7.36E+00
				BaLa-140	<5.94E+00	0.00E+00	5.94E+00
				Be-7	<4.04E+01	0.00E+00	4.04E+01
				K-40	1.40E+03	7.40E+01	4.32E+01

Sample ID:	227550	Sample Dates:	1/16/2012 - 1/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				Be-7	<4.83E+00	0.00E+00	4.83E+00
				K-40	5.60E+01	4.71E+00	5.86E+00
				LLI-131	<6.17E-01	0.00E+00	6.17E-01
				I-131	<5.65E+00	0.00E+00	5.65E+00
				Cs-134	<4.79E+00	0.00E+00	4.79E+00
				Cs-137	<6.44E+00	0.00E+00	6.44E+00
				BaLa-140	<1.31E+00	0.00E+00	1.31E+00
				Be-7	<4.80E+01	0.00E+00	4.80E+01
				K-40	1.59E+03	7.81E+01	5.03E+01

Sample ID:	228140	Sample Dates:	1/30/2012 - 1/30/2012	Nuclide	Activity	1 Sigma Error	LLD
				Be-7	<4.94E+00	0.00E+00	4.94E+00
				K-40	9.52E+00	4.41E+00	7.64E+00
				LLI-131	<6.47E-01	0.00E+00	6.47E-01
				I-131	<6.90E+00	0.00E+00	6.90E+00
				Cs-134	<6.82E+00	0.00E+00	6.82E+00
				Cs-137	<9.89E+00	0.00E+00	9.89E+00
				BaLa-140	<7.01E+00	0.00E+00	7.01E+00
				Be-7	<4.71E+01	0.00E+00	4.71E+01
				K-40	1.30E+03	1.15E+02	9.52E+01

Sample ID:	230076	Sample Dates:	2/13/2012 - 2/13/2012	Nuclide	Activity	1 Sigma Error	LLD
				Be-7	<5.20E+00	0.00E+00	5.20E+00
				K-40	3.05E+01	3.27E+00	7.72E+00
				LLI-131	<6.45E-01	0.00E+00	6.45E-01
				I-131	<8.76E+00	0.00E+00	8.76E+00
				Cs-134	<8.47E+00	0.00E+00	8.47E+00
				Cs-137	<1.12E+01	0.00E+00	1.12E+01
				BaLa-140	<1.13E+01	0.00E+00	1.13E+01
				Be-7	<7.54E+01	0.00E+00	7.54E+01
				K-40	1.46E+03	1.36E+02	1.23E+02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: MILK Concentration (Activity): pCi/l

Sample Point 071 [CONTROL - SSE @ 10.2 miles]

Sample ID: 230960	Sample Dates: 2/27/2012 - 2/27/2012	Nuclide	Activity	1 Sigma Error	LLD
		Be-7	<3.63E+00	0.00E+00	3.63E+00
		K-40	3.32E+01	3.82E+00	5.40E+00
		LLI-131	<5.24E-01	0.00E+00	5.24E-01
		I-131	<6.21E+00	0.00E+00	6.21E+00
		Cs-134	<4.84E+00	0.00E+00	4.84E+00
		Cs-137	<6.15E+00	0.00E+00	6.15E+00
		BaLa-140	<4.99E+00	0.00E+00	4.99E+00
		Be-7	<3.69E+01	0.00E+00	3.69E+01
		K-40	1.65E+03	8.42E+01	3.67E+01
Sample ID: 232484	Sample Dates: 3/12/2012 - 3/12/2012	Nuclide	Activity	1 Sigma Error	LLD
		Be-7	<3.77E+00	0.00E+00	3.77E+00
		K-40	2.72E+01	4.25E+00	7.08E+00
		LLI-131	<5.44E-01	0.00E+00	5.44E-01
		I-131	<8.53E+00	0.00E+00	8.53E+00
		Cs-134	<8.09E+00	0.00E+00	8.09E+00
		Cs-137	<1.00E+01	0.00E+00	1.00E+01
		BaLa-140	<7.71E+00	0.00E+00	7.71E+00
		Be-7	<5.25E+01	0.00E+00	5.25E+01
		K-40	1.53E+03	1.20E+02	9.52E+01
Sample ID: 233565	Sample Dates: 3/26/2012 - 3/26/2012	Nuclide	Activity	1 Sigma Error	LLD
		Be-7	<4.60E+00	0.00E+00	4.60E+00
		K-40	3.27E+01	3.67E+00	4.04E+00
		LLI-131	<5.99E-01	0.00E+00	5.99E-01
		I-131	<5.94E+00	0.00E+00	5.94E+00
		Cs-134	<4.99E+00	0.00E+00	4.99E+00
		Cs-137	<5.30E+00	0.00E+00	5.30E+00
		BaLa-140	<4.49E+00	0.00E+00	4.49E+00
		Be-7	<3.69E+01	0.00E+00	3.69E+01
		K-40	1.78E+03	8.45E+01	4.56E+01
Sample ID: 234914	Sample Dates: 4/9/2012 - 4/9/2012	Nuclide	Activity	1 Sigma Error	LLD
		Be-7	<4.41E+00	0.00E+00	4.41E+00
		K-40	4.90E+01	5.48E+00	5.72E+00
		LLI-131	<5.62E-01	0.00E+00	5.62E-01
		I-131	<6.53E+00	0.00E+00	6.53E+00
		Cs-134	<5.72E+00	0.00E+00	5.72E+00
		Cs-137	<6.94E+00	0.00E+00	6.94E+00
		BaLa-140	<6.82E+00	0.00E+00	6.82E+00
		Be-7	<4.69E+01	0.00E+00	4.69E+01
		K-40	1.70E+03	8.35E+01	5.30E+01
Sample ID: 235432	Sample Dates: 4/23/2012 - 4/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		Be-7	<5.30E+00	0.00E+00	5.30E+00
		K-40	7.00E+01	5.59E+00	5.46E+00
		LLI-131	<6.47E-01	0.00E+00	6.47E-01
		I-131	<5.70E+00	0.00E+00	5.70E+00
		Cs-134	<4.83E+00	0.00E+00	4.83E+00
		Cs-137	<5.51E+00	0.00E+00	5.51E+00
		BaLa-140	<5.91E+00	0.00E+00	5.91E+00
		Be-7	<4.23E+01	0.00E+00	4.23E+01
		K-40	1.53E+03	8.20E+01	5.45E+01
Sample ID: 236002	Sample Dates: 5/7/2012 - 5/7/2012	Nuclide	Activity	1 Sigma Error	LLD
		Be-7	<4.28E+00	0.00E+00	4.28E+00
		K-40	5.04E+01	4.68E+00	6.11E+00
		LLI-131	<5.96E-01	0.00E+00	5.96E-01
		I-131	<6.04E+00	0.00E+00	6.04E+00
		Cs-134	<5.24E+00	0.00E+00	5.24E+00
		Cs-137	<5.85E+00	0.00E+00	5.85E+00
		BaLa-140	<1.31E+00	0.00E+00	1.31E+00
		Be-7	<4.84E+01	0.00E+00	4.84E+01
		K-40	1.73E+03	8.15E+01	5.85E+01
Sample ID: 236525	Sample Dates: 5/21/2012 - 5/21/2012	Nuclide	Activity	1 Sigma Error	LLD
		Be-7	<4.77E+00	0.00E+00	4.77E+00
		K-40	2.60E+01	3.89E+00	7.13E+00
		LLI-131	<6.30E-01	0.00E+00	6.30E-01
		I-131	<5.56E+00	0.00E+00	5.56E+00
		Cs-134	<3.76E+00	0.00E+00	3.76E+00



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: MILK Concentration (Activity): pCi/l

Sample Point 071 [CONTROL - SSE @ 10.2 miles]

Sample ID: 236525	Sample Dates: 5/21/2012 - 5/21/2012	Nuclide	Activity	1 Sigma Error	LLD
		Cs-137	<6.02E+00	0.00E+00	6.02E+00
		BaLa-140	<6.34E+00	0.00E+00	6.34E+00
		Be-7	<4.84E+01	0.00E+00	4.84E+01
		K-40	1.51E+03	8.35E+01	4.62E+01
Sample ID: 237150	Sample Dates: 6/4/2012 - 6/4/2012	Nuclide	Activity	1 Sigma Error	LLD
		Be-7	<4.73E+00	0.00E+00	4.73E+00
		K-40	5.81E+01	5.50E+00	6.03E+00
		LLI-131	<6.48E-01	0.00E+00	6.48E-01
		I-131	<7.12E+00	0.00E+00	7.12E+00
		Cs-134	<5.34E+00	0.00E+00	5.34E+00
		Cs-137	<4.96E+00	0.00E+00	4.96E+00
		BaLa-140	<2.27E+00	0.00E+00	2.27E+00
		Be-7	<4.47E+01	0.00E+00	4.47E+01
		K-40	1.59E+03	7.97E+01	4.08E+01
Sample ID: 238001	Sample Dates: 6/18/2012 - 6/18/2012	Nuclide	Activity	1 Sigma Error	LLD
		Be-7	<4.04E+00	0.00E+00	4.04E+00
		K-40	1.96E+01	4.32E+00	7.27E+00
		LLI-131	<5.96E-01	0.00E+00	5.96E-01
		I-131	<8.25E+00	0.00E+00	8.25E+00
		Cs-134	<7.55E+00	0.00E+00	7.55E+00
		Cs-137	<9.86E+00	0.00E+00	9.86E+00
		BaLa-140	<1.07E+01	0.00E+00	1.07E+01
		Be-7	<7.24E+01	0.00E+00	7.24E+01
		K-40	1.37E+03	1.05E+02	9.04E+01
Sample ID: 239153	Sample Dates: 7/2/2012 - 7/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		Be-7	<5.11E+00	0.00E+00	5.11E+00
		K-40	2.38E+01	5.16E+00	9.46E+00
		LLI-131	<5.98E-01	0.00E+00	5.98E-01
		I-131	<4.69E+00	0.00E+00	4.69E+00
		Cs-134	<4.69E+00	0.00E+00	4.69E+00
		Cs-137	<7.06E+00	0.00E+00	7.06E+00
		BaLa-140	<3.62E+00	0.00E+00	3.62E+00
		Be-7	<4.37E+01	0.00E+00	4.37E+01
		K-40	1.54E+03	7.94E+01	5.60E+01
Sample ID: 240026	Sample Dates: 7/16/2012 - 7/16/2012	Nuclide	Activity	1 Sigma Error	LLD
		Be-7	<3.98E+00	0.00E+00	3.98E+00
		K-40	1.39E+01	2.22E+00	5.61E+00
		LLI-131	<5.87E-01	0.00E+00	5.87E-01
		I-131	<7.94E+00	0.00E+00	7.94E+00
		Cs-134	<5.89E+00	0.00E+00	5.89E+00
		Cs-137	<8.14E+00	0.00E+00	8.14E+00
		BaLa-140	<6.90E+00	0.00E+00	6.90E+00
		Be-7	<5.33E+01	0.00E+00	5.33E+01
		K-40	1.28E+03	1.01E+02	8.08E+01
Sample ID: 240983	Sample Dates: 7/30/2012 - 7/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		Be-7	<5.33E+00	0.00E+00	5.33E+00
		K-40	1.60E+01	3.98E+00	6.96E+00
		LLI-131	<6.20E-01	0.00E+00	6.20E-01
		I-131	<8.88E+00	0.00E+00	8.88E+00
		Cs-134	<6.84E+00	0.00E+00	6.84E+00
		Cs-137	<1.06E+01	0.00E+00	1.06E+01
		BaLa-140	<4.97E+00	0.00E+00	4.97E+00
		Be-7	<5.68E+01	0.00E+00	5.68E+01
		K-40	1.64E+03	1.20E+02	1.12E+02
Sample ID: 241561	Sample Dates: 8/13/2012 - 8/13/2012	Nuclide	Activity	1 Sigma Error	LLD
		Be-7	<4.06E+00	0.00E+00	4.06E+00
		K-40	5.60E+01	4.66E+00	5.04E+00
		LLI-131	<6.25E-01	0.00E+00	6.25E-01
		I-131	<7.46E+00	0.00E+00	7.46E+00
		Cs-134	<7.15E+00	0.00E+00	7.15E+00
		Cs-137	<9.57E+00	0.00E+00	9.57E+00
		BaLa-140	<7.73E+00	0.00E+00	7.73E+00
		Be-7	<5.26E+01	0.00E+00	5.26E+01
		K-40	1.48E+03	1.16E+02	7.38E+01



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: MILK Concentration (Activity): pCi/l

Sample Point 071 [CONTROL - SSE @ 10.2 miles]

Sample ID: 242480	Sample Dates: 8/27/2012 - 8/27/2012	Nuclide	Activity	1 Sigma Error	LLD
		Be-7	<4.07E+00	0.00E+00	4.07E+00
		K-40	1.86E+01	3.58E+00	5.15E+00
		LLI-131	<5.01E-01	0.00E+00	5.01E-01
		I-131	<7.14E+00	0.00E+00	7.14E+00
		Cs-134	<8.62E+00	0.00E+00	8.62E+00
		Cs-137	<1.10E+01	0.00E+00	1.10E+01
		BaLa-140	<2.60E+00	0.00E+00	2.60E+00
		Be-7	<5.74E+01	0.00E+00	5.74E+01
Sample ID: 243764	Sample Dates: 9/10/2012 - 9/10/2012	K-40	1.36E+03	1.01E+02	8.20E+01
		Be-7	<5.63E+00	0.00E+00	5.63E+00
		K-40	<2.62E+01	0.00E+00	2.62E+01
		LLI-131	<6.38E-01	0.00E+00	6.38E-01
		I-131	<6.45E+00	0.00E+00	6.45E+00
		Cs-134	<8.14E+00	0.00E+00	8.14E+00
		Cs-137	<7.63E+00	0.00E+00	7.63E+00
		BaLa-140	<1.27E+01	0.00E+00	1.27E+01
		Be-7	<5.94E+01	0.00E+00	5.94E+01
Sample ID: 245054	Sample Dates: 9/24/2012 - 9/24/2012	K-40	1.42E+03	1.05E+02	7.06E+01
		Be-7	<4.44E+00	0.00E+00	4.44E+00
		K-40	1.95E+01	3.35E+00	8.14E+00
		LLI-131	<5.97E-01	0.00E+00	5.97E-01
		I-131	<1.06E+01	0.00E+00	1.06E+01
		Cs-134	<7.28E+00	0.00E+00	7.28E+00
		Cs-137	<8.96E+00	0.00E+00	8.96E+00
		BaLa-140	<1.26E+01	0.00E+00	1.26E+01
		Be-7	<6.76E+01	0.00E+00	6.76E+01
Sample ID: 246717	Sample Dates: 10/8/2012 - 10/8/2012	K-40	1.40E+03	1.13E+02	9.56E+01
		Be-7	<6.52E+00	0.00E+00	6.52E+00
		K-40	<1.62E+01	0.00E+00	1.62E+01
		LLI-131	<6.39E-01	0.00E+00	6.39E-01
		I-131	<7.33E+00	0.00E+00	7.33E+00
		Cs-134	<6.40E+00	0.00E+00	6.40E+00
		Cs-137	<9.23E+00	0.00E+00	9.23E+00
		BaLa-140	<7.73E+00	0.00E+00	7.73E+00
		Be-7	<5.21E+01	0.00E+00	5.21E+01
Sample ID: 247439	Sample Dates: 10/22/2012 - 10/22/2012	K-40	1.26E+03	1.06E+02	7.56E+01
		Be-7	<3.53E+00	0.00E+00	3.53E+00
		K-40	1.59E+01	3.81E+00	7.00E+00
		LLI-131	<5.35E-01	0.00E+00	5.35E-01
		I-131	<5.62E+00	0.00E+00	5.62E+00
		Cs-134	<4.98E+00	0.00E+00	4.98E+00
		Cs-137	<6.79E+00	0.00E+00	6.79E+00
		BaLa-140	<6.69E+00	0.00E+00	6.69E+00
		Be-7	<4.60E+01	0.00E+00	4.60E+01
Sample ID: 247972	Sample Dates: 11/5/2012 - 11/5/2012	K-40	1.42E+03	8.06E+01	4.52E+01
		Be-7	<4.01E+00	0.00E+00	4.01E+00
		K-40	5.14E+00	1.96E+00	6.64E+00
		LLI-131	<4.96E-01	0.00E+00	4.96E-01
		I-131	<7.37E+00	0.00E+00	7.37E+00
		Cs-134	<7.91E+00	0.00E+00	7.91E+00
		Cs-137	<7.76E+00	0.00E+00	7.76E+00
		BaLa-140	<9.01E+00	0.00E+00	9.01E+00
		Be-7	<5.34E+01	0.00E+00	5.34E+01
Sample ID: 248668	Sample Dates: 11/19/2012 - 11/19/2012	K-40	1.20E+03	9.90E+01	6.95E+01
		Be-7	<5.23E+00	0.00E+00	5.23E+00
		K-40	<2.06E+01	0.00E+00	2.06E+01
		LLI-131	<6.44E-01	0.00E+00	6.44E-01
		I-131	<5.52E+00	0.00E+00	5.52E+00
		Cs-134	<5.25E+00	0.00E+00	5.25E+00



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: MILK Concentration (Activity): pCi/l

Sample Point 071 [CONTROL - SSE @ 10.2 miles]

Sample ID:	248668	Sample Dates:	11/19/2012 - 11/19/2012	Nuclide	Activity	1 Sigma Error	LLD
				Cs-137	<6.94E+00	0.00E+00	6.94E+00
				BaLa-140	<7.31E+00	0.00E+00	7.31E+00
				Be-7	<3.51E+01	0.00E+00	3.51E+01
				K-40	1.43E+03	7.66E+01	4.50E+01

Sample ID:	249267	Sample Dates:	12/3/2012 - 12/3/2012	Nuclide	Activity	1 Sigma Error	LLD
				Be-7	<5.15E+00	0.00E+00	5.15E+00
				K-40	2.70E+01	4.57E+00	6.83E+00
				LLI-131	<6.43E-01	0.00E+00	6.43E-01
				I-131	<4.63E+00	0.00E+00	4.63E+00
				Cs-134	<7.23E+00	0.00E+00	7.23E+00
				Cs-137	<8.73E+00	0.00E+00	8.73E+00
				BaLa-140	<8.56E+00	0.00E+00	8.56E+00
				Be-7	<5.13E+01	0.00E+00	5.13E+01
				K-40	1.37E+03	1.02E+02	8.78E+01

Sample ID:	249892	Sample Dates:	12/17/2012 - 12/17/2012	Nuclide	Activity	1 Sigma Error	LLD
				Be-7	<3.56E+00	0.00E+00	3.56E+00
				K-40	<2.36E+01	0.00E+00	2.36E+01
				LLI-131	<6.26E-01	0.00E+00	6.26E-01
				I-131	<5.95E+00	0.00E+00	5.95E+00
				Cs-134	<4.90E+00	0.00E+00	4.90E+00
				Cs-137	<6.80E+00	0.00E+00	6.80E+00
				BaLa-140	<6.14E+00	0.00E+00	6.14E+00
				Be-7	<5.09E+01	0.00E+00	5.09E+01
				K-40	1.56E+03	7.97E+01	7.57E+01

Sample ID:	250457	Sample Dates:	12/31/2012 - 12/31/2012	Nuclide	Activity	1 Sigma Error	LLD
				Be-7	<3.81E+00	0.00E+00	3.81E+00
				K-40	1.44E+01	3.16E+00	7.10E+00
				LLI-131	<5.75E-01	0.00E+00	5.75E-01
				I-131	<8.21E+00	0.00E+00	8.21E+00
				Cs-134	<7.98E+00	0.00E+00	7.98E+00
				Cs-137	<8.54E+00	0.00E+00	8.54E+00
				BaLa-140	<8.20E+00	0.00E+00	8.20E+00
				Be-7	<5.46E+01	0.00E+00	5.46E+01
				K-40	1.30E+03	1.04E+02	9.49E+01

Media Type: SEDIMENT_SHORE Concentration (Activity): pCi/kg

Sample Point 063 [INDICATOR - ESE @ 0.8 miles]

Sample ID:	233512	Sample Dates:	4/16/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<2.52E+01	0.00E+00	2.52E+01
				Co-58	<2.22E+01	0.00E+00	2.22E+01
				Fe-59	<5.51E+01	0.00E+00	5.51E+01
				Co-60	<2.61E+01	0.00E+00	2.61E+01
				Zn-65	<5.92E+01	0.00E+00	5.92E+01
				Zr-95	<4.02E+01	0.00E+00	4.02E+01
				Nb-95	<2.49E+01	0.00E+00	2.49E+01
				I-131	<1.90E+01	0.00E+00	1.90E+01
				Cs-134	<1.85E+01	0.00E+00	1.85E+01
				Cs-137	2.61E+01	7.84E+00	2.24E+01
				Be-7	<1.77E+02	0.00E+00	1.77E+02
				K-40	2.39E+04	4.46E+02	2.75E+02
				Co-57	<1.60E+01	0.00E+00	1.60E+01
				Mo-99	<2.53E+02	0.00E+00	2.53E+02
				Ag-110M	<1.82E+01	0.00E+00	1.82E+01
				Sb-122	<4.18E+01	0.00E+00	4.18E+01
				Sb-125	<5.23E+01	0.00E+00	5.23E+01

Sample ID:	244940	Sample Dates:	10/1/2012 - 10/1/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<2.34E+01	0.00E+00	2.34E+01
				Co-58	<2.61E+01	0.00E+00	2.61E+01
				Fe-59	<5.89E+01	0.00E+00	5.89E+01
				Co-60	<3.09E+01	0.00E+00	3.09E+01
				Zn-65	<7.67E+01	0.00E+00	7.67E+01
				Zr-95	<4.77E+01	0.00E+00	4.77E+01
				Nb-95	<2.71E+01	0.00E+00	2.71E+01
				I-131	<2.47E+01	0.00E+00	2.47E+01
				Cs-134	<2.21E+01	0.00E+00	2.21E+01

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: SEDIMENT_SHORE Concentration (Activity): pCi/kg

Sample Point 063 [INDICATOR - ESE @ 0.8 miles]

Sample ID:	244940	Sample Dates:	10/1/2012 - 10/1/2012	Nuclide	Activity	1 Sigma Error	LLD
				Cs-137	2.15E+01	8.69E+00	2.55E+01
				Be-7	<1.96E+02	0.00E+00	1.96E+02
				K-40	2.09E+04	5.61E+02	2.74E+02
				Co-57	<1.49E+01	0.00E+00	1.49E+01
				Mo-99	<4.14E+02	0.00E+00	4.14E+02
				Ag-110M	<2.06E+01	0.00E+00	2.06E+01
				Sb-122	<6.74E+01	0.00E+00	6.74E+01
				Sb-125	<5.94E+01	0.00E+00	5.94E+01

Sample Point 067 [INDICATOR - SSE @ 4.34 miles]

Sample ID:	233513	Sample Dates:	4/16/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<2.43E+01	0.00E+00	2.43E+01
				Co-58	<1.89E+01	0.00E+00	1.89E+01
				Fe-59	<4.43E+01	0.00E+00	4.43E+01
				Co-60	<2.50E+01	0.00E+00	2.50E+01
				Zn-65	<4.76E+01	0.00E+00	4.76E+01
				Zr-95	<3.48E+01	0.00E+00	3.48E+01
				Nb-95	<2.08E+01	0.00E+00	2.08E+01
				I-131	<1.97E+01	0.00E+00	1.97E+01
				Cs-134	<1.72E+01	0.00E+00	1.72E+01
				Cs-137	4.64E+01	1.62E+01	2.04E+01
				Be-7	<1.60E+02	0.00E+00	1.60E+02
				K-40	1.52E+04	3.42E+02	2.13E+02
				Co-57	<1.42E+01	0.00E+00	1.42E+01
				Mo-99	<2.42E+02	0.00E+00	2.42E+02
				Ag-110M	<1.90E+01	0.00E+00	1.90E+01
				Sb-122	<4.14E+01	0.00E+00	4.14E+01
				Sb-125	<4.79E+01	0.00E+00	4.79E+01

Sample ID:	244941	Sample Dates:	10/1/2012 - 10/1/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<2.38E+01	0.00E+00	2.38E+01
				Co-58	<1.98E+01	0.00E+00	1.98E+01
				Fe-59	<4.59E+01	0.00E+00	4.59E+01
				Co-60	<2.29E+01	0.00E+00	2.29E+01
				Zn-65	<4.02E+01	0.00E+00	4.02E+01
				Zr-95	<3.83E+01	0.00E+00	3.83E+01
				Nb-95	<2.42E+01	0.00E+00	2.42E+01
				I-131	<3.31E+01	0.00E+00	3.31E+01
				Cs-134	<1.85E+01	0.00E+00	1.85E+01
				Cs-137	8.06E+01	1.31E+01	1.95E+01
				Be-7	4.22E+02	7.80E+01	1.55E+02
				K-40	1.49E+04	3.45E+02	1.82E+02
				Co-57	<1.48E+01	0.00E+00	1.48E+01
				Mo-99	<1.10E+03	0.00E+00	1.10E+03
				Ag-110M	<1.80E+01	0.00E+00	1.80E+01
				Sb-122	<1.87E+02	0.00E+00	1.87E+02
				Sb-125	<4.82E+01	0.00E+00	4.82E+01

Sample Point 068 [CONTROL - W @ 1.82 miles]

Sample ID:	233514	Sample Dates:	4/16/2012 - 4/16/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<1.94E+01	0.00E+00	1.94E+01
				Co-58	<1.45E+01	0.00E+00	1.45E+01
				Fe-59	<3.95E+01	0.00E+00	3.95E+01
				Co-60	<1.98E+01	0.00E+00	1.98E+01
				Zn-65	<3.89E+01	0.00E+00	3.89E+01
				Zr-95	<2.51E+01	0.00E+00	2.51E+01
				Nb-95	<1.82E+01	0.00E+00	1.82E+01
				I-131	<1.53E+01	0.00E+00	1.53E+01
				Cs-134	<1.44E+01	0.00E+00	1.44E+01
				Cs-137	<1.82E+01	0.00E+00	1.82E+01
				Be-7	1.89E+02	6.15E+01	1.20E+02
				K-40	5.66E+03	2.67E+02	1.34E+02
				Co-57	<9.15E+00	0.00E+00	9.15E+00
				Mo-99	<2.01E+02	0.00E+00	2.01E+02
				Ag-110M	<1.29E+01	0.00E+00	1.29E+01
				Sb-122	<2.74E+01	0.00E+00	2.74E+01
				Sb-125	<3.30E+01	0.00E+00	3.30E+01



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: SEDIMENT_SHORE Concentration (Activity): pCi/kg

Sample Point 068 [CONTROL - W @ 1.82 miles]

Sample ID:	244942	Sample Dates:	10/1/2012 - 10/1/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<1.46E+01	0.00E+00	1.46E+01
				Co-58	<1.40E+01	0.00E+00	1.40E+01
				Fe-59	<3.70E+01	0.00E+00	3.70E+01
				Co-60	<1.87E+01	0.00E+00	1.87E+01
				Zn-65	<3.66E+01	0.00E+00	3.66E+01
				Zr-95	<2.41E+01	0.00E+00	2.41E+01
				Nb-95	<1.46E+01	0.00E+00	1.46E+01
				I-131	<1.52E+01	0.00E+00	1.52E+01
				Cs-134	<1.23E+01	0.00E+00	1.23E+01
				Cs-137	<1.54E+01	0.00E+00	1.54E+01
				Be-7	2.20E+02	6.46E+01	1.04E+02
				K-40	1.05E+04	2.92E+02	1.49E+02
				Co-57	<9.97E+00	0.00E+00	9.97E+00
				Mo-99	<2.05E+02	0.00E+00	2.05E+02
				Ag-110M	<1.24E+01	0.00E+00	1.24E+01
				Sb-122	<3.44E+01	0.00E+00	3.44E+01
				Sb-125	<3.46E+01	0.00E+00	3.46E+01

Media Type: SURFACE WATER Concentration (Activity): pCi/l

Sample Point 062 [CONTROL - ENE @ 0.85 miles]

Sample ID:	227349	Sample Dates:	12/12/2011 - 1/9/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<6.00E+00	0.00E+00	6.00E+00
				Co-58	<7.56E+00	0.00E+00	7.56E+00
				Fe-59	<1.48E+01	0.00E+00	1.48E+01
				Co-60	<7.82E+00	0.00E+00	7.82E+00
				Zn-65	<1.02E+01	0.00E+00	1.02E+01
				Zr-95	<1.27E+01	0.00E+00	1.27E+01
				Nb-95	<7.72E+00	0.00E+00	7.72E+00
				I-131	<7.20E+00	0.00E+00	7.20E+00
				Cs-134	<6.29E+00	0.00E+00	6.29E+00
				Cs-137	<7.72E+00	0.00E+00	7.72E+00
				BaLa-140	<1.18E+01	0.00E+00	1.18E+01
				Be-7	<6.56E+01	0.00E+00	6.56E+01
				K-40	<1.26E+02	0.00E+00	1.26E+02

Sample ID:	229460	Sample Dates:	1/9/2012 - 2/6/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<5.42E+00	0.00E+00	5.42E+00
				Co-58	<4.86E+00	0.00E+00	4.86E+00
				Fe-59	<1.07E+01	0.00E+00	1.07E+01
				Co-60	<7.38E+00	0.00E+00	7.38E+00
				Zn-65	<1.12E+01	0.00E+00	1.12E+01
				Zr-95	<7.97E+00	0.00E+00	7.97E+00
				Nb-95	<4.73E+00	0.00E+00	4.73E+00
				I-131	<6.20E+00	0.00E+00	6.20E+00
				Cs-134	<4.96E+00	0.00E+00	4.96E+00
				Cs-137	<5.86E+00	0.00E+00	5.86E+00
				BaLa-140	<7.24E+00	0.00E+00	7.24E+00
				Be-7	<3.95E+01	0.00E+00	3.95E+01
				K-40	1.63E+02	2.48E+01	5.20E+01

Sample ID:	231154	Sample Dates:	12/12/2011 - 3/5/2012	Nuclide	Activity	1 Sigma Error	LLD
				H3SW	<4.7E+01	0.00E+00	1.72E+02

Sample ID:	231680	Sample Dates:	2/6/2012 - 3/5/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<5.33E+00	0.00E+00	5.33E+00
				Co-58	<4.44E+00	0.00E+00	4.44E+00
				Fe-59	<9.67E+00	0.00E+00	9.67E+00
				Co-60	<7.83E+00	0.00E+00	7.83E+00
				Zn-65	<1.01E+01	0.00E+00	1.01E+01
				Zr-95	<1.03E+01	0.00E+00	1.03E+01
				Nb-95	<5.29E+00	0.00E+00	5.29E+00
				I-131	<5.90E+00	0.00E+00	5.90E+00
				Cs-134	<5.68E+00	0.00E+00	5.68E+00
				Cs-137	<6.15E+00	0.00E+00	6.15E+00
				BaLa-140	<4.86E+00	0.00E+00	4.86E+00
				Be-7	<3.42E+01	0.00E+00	3.42E+01
				K-40	1.10E+02	2.60E+01	4.60E+01

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: SURFACE WATER Concentration (Activity): pCi/l

Sample Point 062 [CONTROL - ENE @ 0.85 miles]

Sample ID: 234538	Sample Dates: 3/5/2012 - 4/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		Mn-54	<3.72E+00	0.00E+00	3.72E+00
		Co-58	<6.78E+00	0.00E+00	6.78E+00
		Fe-59	<1.07E+01	0.00E+00	1.07E+01
		Co-60	<8.73E+00	0.00E+00	8.73E+00
		Zn-65	<1.74E+01	0.00E+00	1.74E+01
		Zr-95	<1.44E+01	0.00E+00	1.44E+01
		Nb-95	<5.25E+00	0.00E+00	5.25E+00
		I-131	<5.36E+00	0.00E+00	5.36E+00
		Cs-134	<6.46E+00	0.00E+00	6.46E+00
		Cs-137	<5.60E+00	0.00E+00	5.60E+00
		BaLa-140	<9.17E+00	0.00E+00	9.17E+00
		Be-7	<4.72E+01	0.00E+00	4.72E+01
		K-40	<1.16E+02	0.00E+00	1.16E+02
Sample ID: 235766	Sample Dates: 4/2/2012 - 4/30/2012	Nuclide	Activity	1 Sigma Error	LLD
		Mn-54	<5.25E+00	0.00E+00	5.25E+00
		Co-58	<4.72E+00	0.00E+00	4.72E+00
		Fe-59	<8.57E+00	0.00E+00	8.57E+00
		Co-60	<4.71E+00	0.00E+00	4.71E+00
		Zn-65	<1.19E+01	0.00E+00	1.19E+01
		Zr-95	<8.65E+00	0.00E+00	8.65E+00
		Nb-95	<3.69E+00	0.00E+00	3.69E+00
		I-131	<4.98E+00	0.00E+00	4.98E+00
		Cs-134	<4.83E+00	0.00E+00	4.83E+00
		Cs-137	<5.13E+00	0.00E+00	5.13E+00
		BaLa-140	<5.75E+00	0.00E+00	5.75E+00
		Be-7	<3.21E+01	0.00E+00	3.21E+01
		K-40	6.05E+01	2.95E+01	5.75E+01
Sample ID: 236834	Sample Dates: 4/30/2012 - 5/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		Mn-54	<5.58E+00	0.00E+00	5.58E+00
		Co-58	<1.99E+00	0.00E+00	1.99E+00
		Fe-59	<8.90E+00	0.00E+00	8.90E+00
		Co-60	<7.89E+00	0.00E+00	7.89E+00
		Zn-65	<1.14E+01	0.00E+00	1.14E+01
		Zr-95	<1.22E+01	0.00E+00	1.22E+01
		Nb-95	<7.34E+00	0.00E+00	7.34E+00
		I-131	<6.88E+00	0.00E+00	6.88E+00
		Cs-134	<6.72E+00	0.00E+00	6.72E+00
		Cs-137	<7.89E+00	0.00E+00	7.89E+00
		BaLa-140	<7.14E+00	0.00E+00	7.14E+00
		Be-7	<5.33E+01	0.00E+00	5.33E+01
		K-40	<1.21E+02	0.00E+00	1.21E+02
Sample ID: 236894	Sample Dates: 3/5/2012 - 5/29/2012	Nuclide	Activity	1 Sigma Error	LLD
		H3SW	<-4.4E+00	0.00E+00	1.71E+02
Sample ID: 238763	Sample Dates: 5/29/2012 - 6/25/2012	Nuclide	Activity	1 Sigma Error	LLD
		Mn-54	<6.06E+00	0.00E+00	6.06E+00
		Co-58	<8.30E+00	0.00E+00	8.30E+00
		Fe-59	<1.37E+01	0.00E+00	1.37E+01
		Co-60	<8.82E+00	0.00E+00	8.82E+00
		Zn-65	<1.69E+01	0.00E+00	1.69E+01
		Zr-95	<1.25E+01	0.00E+00	1.25E+01
		Nb-95	<6.51E+00	0.00E+00	6.51E+00
		I-131	<8.61E+00	0.00E+00	8.61E+00
		Cs-134	<7.17E+00	0.00E+00	7.17E+00
		Cs-137	<9.29E+00	0.00E+00	9.29E+00
		BaLa-140	<1.01E+01	0.00E+00	1.01E+01
		Be-7	<4.48E+01	0.00E+00	4.48E+01
		K-40	<1.48E+02	0.00E+00	1.48E+02
Sample ID: 240370	Sample Dates: 6/25/2012 - 7/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		Mn-54	<5.06E+00	0.00E+00	5.06E+00
		Co-58	<5.54E+00	0.00E+00	5.54E+00
		Fe-59	<8.74E+00	0.00E+00	8.74E+00
		Co-60	<7.50E+00	0.00E+00	7.50E+00
		Zn-65	<8.45E+00	0.00E+00	8.45E+00
		Zr-95	<6.34E+00	0.00E+00	6.34E+00
		Nb-95	<4.61E+00	0.00E+00	4.61E+00



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: SURFACE WATER Concentration (Activity): pCi/l

Sample Point 062 [CONTROL - ENE @ 0.85 miles]

Sample ID: 240370	Sample Dates: 6/25/2012 - 7/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<5.53E+00	0.00E+00	5.53E+00
		Cs-134	<4.30E+00	0.00E+00	4.30E+00
		Cs-137	<7.25E+00	0.00E+00	7.25E+00
		BaLa-140	<5.83E+00	0.00E+00	5.83E+00
		Be-7	<4.32E+01	0.00E+00	4.32E+01
Sample ID: 242160	Sample Dates: 7/23/2012 - 8/20/2012	K-40	1.43E+02	3.12E+01	4.55E+01
		Mn-54	<5.88E+00	0.00E+00	5.88E+00
		Co-58	<5.01E+00	0.00E+00	5.01E+00
		Fe-59	<9.65E+00	0.00E+00	9.65E+00
		Co-60	<7.93E+00	0.00E+00	7.93E+00
		Zn-65	<1.30E+01	0.00E+00	1.30E+01
Sample ID: 242492	Sample Dates: 5/29/2012 - 8/20/2012	Zr-95	<7.10E+00	0.00E+00	7.10E+00
		Nb-95	<4.76E+00	0.00E+00	4.76E+00
		I-131	<5.47E+00	0.00E+00	5.47E+00
		Cs-134	<4.81E+00	0.00E+00	4.81E+00
		Cs-137	<5.94E+00	0.00E+00	5.94E+00
		BaLa-140	<4.55E+00	0.00E+00	4.55E+00
Sample ID: 244179	Sample Dates: 8/20/2012 - 9/17/2012	Be-7	<3.82E+01	0.00E+00	3.82E+01
		K-40	2.16E+02	3.67E+01	4.90E+01
		Mn-54	<7.32E+00	0.00E+00	7.32E+00
		Co-58	<6.14E+00	0.00E+00	6.14E+00
		Fe-59	<1.29E+01	0.00E+00	1.29E+01
		Co-60	<9.48E+00	0.00E+00	9.48E+00
Sample ID: 247134	Sample Dates: 9/17/2012 - 10/15/2012	Zn-65	<1.31E+01	0.00E+00	1.31E+01
		Zr-95	<9.67E+00	0.00E+00	9.67E+00
		Nb-95	<4.74E+00	0.00E+00	4.74E+00
		I-131	<7.77E+00	0.00E+00	7.77E+00
		Cs-134	<6.60E+00	0.00E+00	6.60E+00
		Cs-137	<6.95E+00	0.00E+00	6.95E+00
Sample ID: 248386	Sample Dates: 10/15/2012 - 11/12/2012	BaLa-140	<1.09E+01	0.00E+00	1.09E+01
		Be-7	<5.16E+01	0.00E+00	5.16E+01
		K-40	<1.15E+02	0.00E+00	1.15E+02
		Mn-54	<5.97E+00	0.00E+00	5.97E+00
		Co-58	<7.72E+00	0.00E+00	7.72E+00
		Fe-59	<1.26E+01	0.00E+00	1.26E+01
Sample ID: 248386	Sample Dates: 10/15/2012 - 11/12/2012	Co-60	<6.94E+00	0.00E+00	6.94E+00
		Zn-65	<1.19E+01	0.00E+00	1.19E+01
		Zr-95	<8.14E+00	0.00E+00	8.14E+00
		Nb-95	<6.91E+00	0.00E+00	6.91E+00
		I-131	<7.18E+00	0.00E+00	7.18E+00
		Cs-134	<6.43E+00	0.00E+00	6.43E+00
Sample ID: 248386	Sample Dates: 10/15/2012 - 11/12/2012	Cs-137	<5.96E+00	0.00E+00	5.96E+00
		BaLa-140	<2.71E+00	0.00E+00	2.71E+00
		Be-7	<6.33E+01	0.00E+00	6.33E+01
		K-40	<1.25E+02	0.00E+00	1.25E+02
		Mn-54	<9.39E+00	0.00E+00	9.39E+00
		Co-58	<6.96E+00	0.00E+00	6.96E+00
Sample ID: 248386	Sample Dates: 10/15/2012 - 11/12/2012	Fe-59	<1.74E+01	0.00E+00	1.74E+01
		Co-60	<1.08E+01	0.00E+00	1.08E+01
		Zn-65	<2.34E+01	0.00E+00	2.34E+01
		Zr-95	<1.22E+01	0.00E+00	1.22E+01
		Nb-95	<5.27E+00	0.00E+00	5.27E+00
		I-131	<6.97E+00	0.00E+00	6.97E+00
Sample ID: 248386	Sample Dates: 10/15/2012 - 11/12/2012	Cs-134	<6.99E+00	0.00E+00	6.99E+00
		Cs-137	<9.57E+00	0.00E+00	9.57E+00
		BaLa-140	<8.06E+00	0.00E+00	8.06E+00
		Be-7	<4.19E+01	0.00E+00	4.19E+01
		K-40	1.57E+02	3.60E+01	7.27E+01



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: SURFACE WATER Concentration (Activity): pCi/l

Sample Point 062 [CONTROL - ENE @ 0.85 miles]

Sample ID:	249034	Sample Dates:	11/12/2012 - 12/10/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<8.54E+00	0.00E+00	8.54E+00
				Co-58	<8.56E+00	0.00E+00	8.56E+00
				Fe-59	<1.21E+01	0.00E+00	1.21E+01
				Co-60	<7.94E+00	0.00E+00	7.94E+00
				Zn-65	<3.80E+00	0.00E+00	3.80E+00
				Zr-95	<1.14E+01	0.00E+00	1.14E+01
				Nb-95	<6.63E+00	0.00E+00	6.63E+00
				I-131	<8.15E+00	0.00E+00	8.15E+00
				Cs-134	<5.36E+00	0.00E+00	5.36E+00
				Cs-137	<7.28E+00	0.00E+00	7.28E+00
				BaLa-140	<9.81E+00	0.00E+00	9.81E+00
				Be-7	<3.72E+01	0.00E+00	3.72E+01
				K-40	1.40E+02	3.41E+01	8.92E+01

Sample ID:	249475	Sample Dates:	8/20/2012 - 12/10/2012	Nuclide	Activity	1 Sigma Error	LLD
				H3SW	<6.0E+01	0.00E+00	1.78E+02

Sample Point 063.1 [INDICATOR - E @ 0.79 miles]

Sample ID:	227350	Sample Dates:	12/12/2011 - 1/9/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<4.72E+00	0.00E+00	4.72E+00
				Co-58	<3.36E+00	0.00E+00	3.36E+00
				Fe-59	<9.97E+00	0.00E+00	9.97E+00
				Co-60	<7.06E+00	0.00E+00	7.06E+00
				Zn-65	<7.22E+00	0.00E+00	7.22E+00
				Zr-95	<8.14E+00	0.00E+00	8.14E+00
				Nb-95	<4.62E+00	0.00E+00	4.62E+00
				I-131	<6.54E+00	0.00E+00	6.54E+00
				Cs-134	<5.21E+00	0.00E+00	5.21E+00
				Cs-137	<5.15E+00	0.00E+00	5.15E+00
				BaLa-140	<6.55E+00	0.00E+00	6.55E+00
				Be-7	<4.80E+01	0.00E+00	4.80E+01
				K-40	2.47E+02	3.69E+01	3.72E+01

Sample ID:	229461	Sample Dates:	1/9/2012 - 2/6/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<5.11E+00	0.00E+00	5.11E+00
				Co-58	<6.31E+00	0.00E+00	6.31E+00
				Fe-59	<6.94E+00	0.00E+00	6.94E+00
				Co-60	<7.80E+00	0.00E+00	7.80E+00
				Zn-65	<1.37E+01	0.00E+00	1.37E+01
				Zr-95	<1.25E+01	0.00E+00	1.25E+01
				Nb-95	<7.64E+00	0.00E+00	7.64E+00
				I-131	<7.83E+00	0.00E+00	7.83E+00
				Cs-134	<5.36E+00	0.00E+00	5.36E+00
				Cs-137	<6.17E+00	0.00E+00	6.17E+00
				BaLa-140	<9.02E+00	0.00E+00	9.02E+00
				Be-7	<4.54E+01	0.00E+00	4.54E+01
				K-40	1.65E+02	3.18E+01	9.32E+01

Sample ID:	231155	Sample Dates:	12/12/2011 - 3/5/2012	Nuclide	Activity	1 Sigma Error	LLD
				H3SW	5.35E+03	1.13E+02	1.72E+02

Sample ID:	231681	Sample Dates:	2/6/2012 - 3/5/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<8.05E+00	0.00E+00	8.05E+00
				Co-58	<7.91E+00	0.00E+00	7.91E+00
				Fe-59	<1.63E+01	0.00E+00	1.63E+01
				Co-60	<6.17E+00	0.00E+00	6.17E+00
				Zn-65	<1.67E+01	0.00E+00	1.67E+01
				Zr-95	<1.38E+01	0.00E+00	1.38E+01
				Nb-95	<6.97E+00	0.00E+00	6.97E+00
				I-131	<8.08E+00	0.00E+00	8.08E+00
				Cs-134	<6.29E+00	0.00E+00	6.29E+00
				Cs-137	<7.71E+00	0.00E+00	7.71E+00
				BaLa-140	<1.31E+01	0.00E+00	1.31E+01
				Be-7	<5.81E+01	0.00E+00	5.81E+01
				K-40	1.00E+02	2.59E+01	8.50E+01

Sample ID:	234539	Sample Dates:	3/5/2012 - 4/2/2012	Nuclide	Activity	1 Sigma Error	LLD
				Mn-54	<5.51E+00	0.00E+00	5.51E+00
				Co-58	<4.54E+00	0.00E+00	4.54E+00
				Fe-59	<1.70E+01	0.00E+00	1.70E+01



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: SURFACE WATER Concentration (Activity): pCi/l

Sample Point 063.1 [INDICATOR - E @ 0.79 miles]

Sample ID: 234539	Sample Dates: 3/5/2012 - 4/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		Co-60	<7.89E+00	0.00E+00	7.89E+00
		Zn-65	<1.72E+01	0.00E+00	1.72E+01
		Zr-95	<1.20E+01	0.00E+00	1.20E+01
		Nb-95	<7.09E+00	0.00E+00	7.09E+00
		I-131	<7.92E+00	0.00E+00	7.92E+00
		Cs-134	<6.27E+00	0.00E+00	6.27E+00
		Cs-137	<7.20E+00	0.00E+00	7.20E+00
		BaLa-140	<1.18E+01	0.00E+00	1.18E+01
		Be-7	<5.33E+01	0.00E+00	5.33E+01
Sample ID: 235767	Sample Dates: 4/2/2012 - 4/30/2012	K-40	<1.26E+02	0.00E+00	1.26E+02
		Mn-54	<5.07E+00	0.00E+00	5.07E+00
		Co-58	<4.47E+00	0.00E+00	4.47E+00
		Fe-59	<1.02E+01	0.00E+00	1.02E+01
		Co-60	<6.22E+00	0.00E+00	6.22E+00
		Zn-65	<1.01E+01	0.00E+00	1.01E+01
		Zr-95	<1.03E+01	0.00E+00	1.03E+01
		Nb-95	<5.70E+00	0.00E+00	5.70E+00
		I-131	<4.97E+00	0.00E+00	4.97E+00
		Cs-134	<4.35E+00	0.00E+00	4.35E+00
Sample ID: 236835	Sample Dates: 4/30/2012 - 5/29/2012	Cs-137	<5.09E+00	0.00E+00	5.09E+00
		BaLa-140	<6.36E+00	0.00E+00	6.36E+00
		Be-7	<4.13E+01	0.00E+00	4.13E+01
		K-40	5.09E+01	2.16E+01	6.18E+01
		Mn-54	<8.11E+00	0.00E+00	8.11E+00
		Co-58	<9.59E+00	0.00E+00	9.59E+00
		Fe-59	<1.79E+01	0.00E+00	1.79E+01
		Co-60	<7.61E+00	0.00E+00	7.61E+00
		Zn-65	<1.83E+01	0.00E+00	1.83E+01
		Zr-95	<1.35E+01	0.00E+00	1.35E+01
Sample ID: 236895	Sample Dates: 3/5/2012 - 5/29/2012	Nb-95	<9.97E+00	0.00E+00	9.97E+00
		I-131	<8.99E+00	0.00E+00	8.99E+00
		Cs-134	<8.16E+00	0.00E+00	8.16E+00
		Cs-137	<8.05E+00	0.00E+00	8.05E+00
		BaLa-140	<1.31E+01	0.00E+00	1.31E+01
		Be-7	<6.11E+01	0.00E+00	6.11E+01
		K-40	1.12E+02	4.82E+01	9.74E+01
		H3SW	7.64E+03	1.30E+02	1.71E+02
Sample ID: 238764	Sample Dates: 5/29/2012 - 6/25/2012	Mn-54	<4.77E+00	0.00E+00	4.77E+00
		Co-58	<4.32E+00	0.00E+00	4.32E+00
		Fe-59	<9.76E+00	0.00E+00	9.76E+00
		Co-60	<8.29E+00	0.00E+00	8.29E+00
		Zn-65	<8.54E+00	0.00E+00	8.54E+00
		Zr-95	<7.87E+00	0.00E+00	7.87E+00
		Nb-95	<5.21E+00	0.00E+00	5.21E+00
		I-131	<5.34E+00	0.00E+00	5.34E+00
		Cs-134	<5.01E+00	0.00E+00	5.01E+00
		Cs-137	<5.96E+00	0.00E+00	5.96E+00
Sample ID: 240371	Sample Dates: 6/25/2012 - 7/23/2012	BaLa-140	<7.17E+00	0.00E+00	7.17E+00
		Be-7	<4.80E+01	0.00E+00	4.80E+01
		K-40	7.42E+01	2.54E+01	5.16E+01
		Mn-54	<5.34E+00	0.00E+00	5.34E+00
		Co-58	<4.50E+00	0.00E+00	4.50E+00
		Fe-59	<1.08E+01	0.00E+00	1.08E+01
		Co-60	<6.44E+00	0.00E+00	6.44E+00
		Zn-65	<8.21E+00	0.00E+00	8.21E+00
		Zr-95	<8.39E+00	0.00E+00	8.39E+00
		Nb-95	<4.14E+00	0.00E+00	4.14E+00
		I-131	<5.07E+00	0.00E+00	5.07E+00
		Cs-134	<5.29E+00	0.00E+00	5.29E+00
		Cs-137	<4.93E+00	0.00E+00	4.93E+00



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: SURFACE WATER Concentration (Activity): pCi/l

Sample Point 063.1 [INDICATOR - E @ 0.79 miles]

Sample ID: 240371	Sample Dates: 6/25/2012 - 7/23/2012	Nuclide	Activity	1 Sigma Error	LLD
		BaLa-140	<6.15E+00	0.00E+00	6.15E+00
		Be-7	<4.01E+01	0.00E+00	4.01E+01
		K-40	9.78E+01	2.74E+01	3.31E+01
Sample ID: 242161	Sample Dates: 7/23/2012 - 8/20/2012	Nuclide	Activity	1 Sigma Error	LLD
		Mn-54	<5.39E+00	0.00E+00	5.39E+00
		Co-58	<4.97E+00	0.00E+00	4.97E+00
		Fe-59	<1.08E+01	0.00E+00	1.08E+01
		Co-60	<6.44E+00	0.00E+00	6.44E+00
		Zn-65	<1.21E+01	0.00E+00	1.21E+01
		Zr-95	<8.81E+00	0.00E+00	8.81E+00
		Nb-95	<5.72E+00	0.00E+00	5.72E+00
		I-131	<6.30E+00	0.00E+00	6.30E+00
		Cs-134	<3.95E+00	0.00E+00	3.95E+00
		Cs-137	<6.49E+00	0.00E+00	6.49E+00
		BaLa-140	<3.70E+00	0.00E+00	3.70E+00
		Be-7	<4.04E+01	0.00E+00	4.04E+01
		K-40	2.06E+02	2.82E+01	5.25E+01
Sample ID: 242493	Sample Dates: 5/29/2012 - 8/20/2012	Nuclide	Activity	1 Sigma Error	LLD
		H3SW	6.07E+03	1.19E+02	1.72E+02
Sample ID: 244180	Sample Dates: 8/20/2012 - 9/17/2012	Nuclide	Activity	1 Sigma Error	LLD
		Mn-54	<3.96E+00	0.00E+00	3.96E+00
		Co-58	<4.49E+00	0.00E+00	4.49E+00
		Fe-59	<8.39E+00	0.00E+00	8.39E+00
		Co-60	<8.44E+00	0.00E+00	8.44E+00
		Zn-65	<7.24E+00	0.00E+00	7.24E+00
		Zr-95	<6.20E+00	0.00E+00	6.20E+00
		Nb-95	<5.16E+00	0.00E+00	5.16E+00
		I-131	<5.23E+00	0.00E+00	5.23E+00
		Cs-134	<4.95E+00	0.00E+00	4.95E+00
		Cs-137	<5.78E+00	0.00E+00	5.78E+00
		BaLa-140	<7.03E+00	0.00E+00	7.03E+00
		Be-7	<3.50E+01	0.00E+00	3.50E+01
		K-40	8.55E+01	2.49E+01	5.73E+01
Sample ID: 247135	Sample Dates: 9/17/2012 - 10/15/2012	Nuclide	Activity	1 Sigma Error	LLD
		Mn-54	<7.00E+00	0.00E+00	7.00E+00
		Co-58	<8.76E+00	0.00E+00	8.76E+00
		Fe-59	<1.75E+01	0.00E+00	1.75E+01
		Co-60	<7.89E+00	0.00E+00	7.89E+00
		Zn-65	<1.58E+01	0.00E+00	1.58E+01
		Zr-95	<1.44E+01	0.00E+00	1.44E+01
		Nb-95	<8.15E+00	0.00E+00	8.15E+00
		I-131	<7.21E+00	0.00E+00	7.21E+00
		Cs-134	<8.52E+00	0.00E+00	8.52E+00
		Cs-137	<9.44E+00	0.00E+00	9.44E+00
		BaLa-140	<7.80E+00	0.00E+00	7.80E+00
		Be-7	<5.40E+01	0.00E+00	5.40E+01
		K-40	<1.67E+02	0.00E+00	1.67E+02
Sample ID: 248387	Sample Dates: 10/15/2012 - 11/12/2012	Nuclide	Activity	1 Sigma Error	LLD
		Mn-54	<4.43E+00	0.00E+00	4.43E+00
		Co-58	<4.76E+00	0.00E+00	4.76E+00
		Fe-59	<1.02E+01	0.00E+00	1.02E+01
		Co-60	<4.37E+00	0.00E+00	4.37E+00
		Zn-65	<8.20E+00	0.00E+00	8.20E+00
		Zr-95	<9.47E+00	0.00E+00	9.47E+00
		Nb-95	<6.00E+00	0.00E+00	6.00E+00
		I-131	<6.62E+00	0.00E+00	6.62E+00
		Cs-134	<4.77E+00	0.00E+00	4.77E+00
		Cs-137	<6.82E+00	0.00E+00	6.82E+00
		BaLa-140	<6.46E+00	0.00E+00	6.46E+00
		Be-7	<4.71E+01	0.00E+00	4.71E+01
		K-40	6.81E+01	2.93E+01	3.78E+01
Sample ID: 249035	Sample Dates: 11/12/2012 - 12/10/2012	Nuclide	Activity	1 Sigma Error	LLD
		Mn-54	<6.19E+00	0.00E+00	6.19E+00
		Co-58	<4.56E+00	0.00E+00	4.56E+00
		Fe-59	<9.63E+00	0.00E+00	9.63E+00



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: SURFACE WATER Concentration (Activity): pCi/l

Sample Point 063.1 [INDICATOR - E @ 0.79 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	1 Sigma Error	LLD
249035	11/12/2012 - 12/10/2012	Co-60	<9.39E+00	0.00E+00	9.39E+00
		Zn-65	<1.22E+01	0.00E+00	1.22E+01
		Zr-95	<9.14E+00	0.00E+00	9.14E+00
		Nb-95	<7.57E+00	0.00E+00	7.57E+00
		I-131	<6.75E+00	0.00E+00	6.75E+00
		Cs-134	<5.27E+00	0.00E+00	5.27E+00
		Cs-137	<5.86E+00	0.00E+00	5.86E+00
		BaLa-140	<7.81E+00	0.00E+00	7.81E+00
		Be-7	<4.92E+01	0.00E+00	4.92E+01
		K-40	1.26E+02	2.26E+01	8.32E+01
Sample ID:	Sample Dates:	Nuclide	Activity	1 Sigma Error	LLD
249476	8/20/2012 - 12/10/2012	H3SW	3.96E+03	1.03E+02	1.78E+02

Media Type: TLD Concentration (Activity): mR/Standard Quarter

Sample Point 020 [INDICATOR - N @ 0.16 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
232852	12/13/2011 - 3/13/2012	mR/Std Qtr	22.0
Sample ID:	Sample Dates:	Nuclide	Activity
237538	3/13/2012 - 6/12/2012	mR/Std Qtr	19.0
Sample ID:	Sample Dates:	Nuclide	Activity
243904	6/12/2012 - 9/11/2012	mR/Std Qtr	19.0
Sample ID:	Sample Dates:	Nuclide	Activity
249559	9/11/2012 - 12/11/2012	mR/Std Qtr	20.0

Sample Point 021 [INDICATOR - NNE @ 0.25 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
232853	12/13/2011 - 3/13/2012	mR/Std Qtr	17.0
Sample ID:	Sample Dates:	Nuclide	Activity
237539	3/13/2012 - 6/12/2012	mR/Std Qtr	14.0
Sample ID:	Sample Dates:	Nuclide	Activity
243905	6/12/2012 - 9/11/2012	mR/Std Qtr	13.0
Sample ID:	Sample Dates:	Nuclide	Activity
249560	9/11/2012 - 12/11/2012	mR/Std Qtr	16.0

Sample Point 022 [INDICATOR - NE @ 0.53 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
232854	12/13/2011 - 3/13/2012	mR/Std Qtr	29.0
Sample ID:	Sample Dates:	Nuclide	Activity
237540	3/13/2012 - 6/12/2012	mR/Std Qtr	22.0
Sample ID:	Sample Dates:	Nuclide	Activity
243906	6/12/2012 - 9/11/2012	mR/Std Qtr	21.0
Sample ID:	Sample Dates:	Nuclide	Activity
249561	9/11/2012 - 12/11/2012	mR/Std Qtr	24.0

Sample Point 023 [INDICATOR - ENE @ 0.93 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
232855	12/13/2011 - 3/13/2012	mR/Std Qtr	26.0
Sample ID:	Sample Dates:	Nuclide	Activity
237541	3/13/2012 - 6/12/2012	mR/Std Qtr	24.0
Sample ID:	Sample Dates:	Nuclide	Activity
243907	6/12/2012 - 9/11/2012	mR/Std Qtr	21.0
Sample ID:	Sample Dates:	Nuclide	Activity
249562	9/11/2012 - 12/11/2012	mR/Std Qtr	24.0



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: TLD Concentration (Activity): mR/Standard Quarter

Sample Point 024 [INDICATOR - E @ 0.79 miles]

TLD RING TLD_INNER

Sample ID:	232856	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	30.0
Sample ID:	237542	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	26.0
Sample ID:	243908	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	23.0
Sample ID:	249563	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	27.0

Sample Point 025 [INDICATOR - ESE @ 0.42 miles]

TLD RING TLD_INNER

Sample ID:	232857	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	22.0
Sample ID:	237543	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	18.0
Sample ID:	243909	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	17.0
Sample ID:	249564	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	18.0

Sample Point 026 [INDICATOR - SE @ 0.34 miles]

TLD RING TLD_INNER

Sample ID:	232859	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	19.0
Sample ID:	237545	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	16.0
Sample ID:	243911	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	15.0
Sample ID:	249566	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	18.0

Sample Point 027 [INDICATOR - SSE @ 0.49 miles]

TLD RING TLD_INNER

Sample ID:	232860	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	23.0
Sample ID:	237546	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	20.0
Sample ID:	243912	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	19.0
Sample ID:	249567	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	22.0

Sample Point 028 [INDICATOR - S @ 0.46 miles]

TLD RING TLD_INNER

Sample ID:	232861	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	20.0
Sample ID:	237547	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	18.0
Sample ID:	243913	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	17.0
Sample ID:	249568	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	19.0

Sample Point 029 [INDICATOR - SSW @ 0.56 miles]

TLD RING TLD_INNER

Sample ID:	232862	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	18.0
Sample ID:	237548	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	16.0

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: TLD Concentration (Activity): mR/Standard Quarter

Sample Point 029 [INDICATOR - SSW @ 0.56 miles]

TLD RING TLD_INNER

Sample ID:	243914	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	14.0
Sample ID:	249569	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	18.0

Sample Point 030 [INDICATOR - SW @ 0.42 miles]

TLD RING TLD_INNER

Sample ID:	232863	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	21.0
Sample ID:	237549	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	18.0
Sample ID:	243915	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	16.0
Sample ID:	249570	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	19.0

Sample Point 031 [INDICATOR - WSW @ 0.27 miles]

TLD RING TLD_INNER

Sample ID:	232864	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	19.0
Sample ID:	237550	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	18.0
Sample ID:	243916	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	16.0
Sample ID:	249571	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	19.0

Sample Point 032 [INDICATOR - WNW @ 0.19 miles]

TLD RING TLD_INNER

Sample ID:	232865	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	27.0
Sample ID:	237551	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	24.0
Sample ID:	243917	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	22.0
Sample ID:	249572	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	26.0

Sample Point 033 [INDICATOR - WNW @ 0.21 miles]

TLD RING TLD_INNER

Sample ID:	232866	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	24.0
Sample ID:	237552	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	20.0
Sample ID:	243918	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	17.0
Sample ID:	249573	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	21.0

Sample Point 034 [INDICATOR - NW @ 0.22 miles]

TLD RING TLD_INNER

Sample ID:	232867	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	25.0
Sample ID:	237553	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	22.0
Sample ID:	243919	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	21.0
Sample ID:	249574	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	23.0

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: TLD Concentration (Activity): mR/Standard Quarter

Sample Point 035 [INDICATOR - NNW @ 0.17 miles]

TLD RING TLD_INNER

Sample ID:	232868	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	27.0
Sample ID:	237554	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	23.0
Sample ID:	243920	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	22.0
Sample ID:	249575	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	25.0

Sample Point 036 [INDICATOR - N @ 4.18 miles]

TLD RING TLD_OUTER

Sample ID:	232869	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	30.0
Sample ID:	237555	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	26.0
Sample ID:	243921	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	22.0
Sample ID:	249576	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	29.0

Sample Point 037 [INDICATOR - NNE @ 4.85 miles]

TLD RING TLD_OUTER

Sample ID:	232870	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	25.0
Sample ID:	237556	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	20.0
Sample ID:	243922	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	20.0
Sample ID:	249577	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	22.0

Sample Point 038 [INDICATOR - NE @ 4.24 miles]

TLD RING TLD_OUTER

Sample ID:	232871	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	27.0
Sample ID:	237557	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	21.0
Sample ID:	243923	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	19.0
Sample ID:	249578	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	23.0

Sample Point 039 [INDICATOR - ENE @ 4.02 miles]

TLD RING TLD_OUTER

Sample ID:	232872	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	29.0
Sample ID:	237558	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	24.0
Sample ID:	243924	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	22.0
Sample ID:	249579	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	27.0

Sample Point 040 [INDICATOR - E @ 4.74 miles]

TLD RING TLD_OUTER

Sample ID:	232873	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	29.0
Sample ID:	237559	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	26.0

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: TLD Concentration (Activity): mR/Standard Quarter

Sample Point 040 [INDICATOR - E @ 4.74 miles]

TLD RING TLD_OUTER

Sample ID:	243925	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	24.0
Sample ID:	249580	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	28.0

Sample Point 041 [INDICATOR - ESE @ 4.25 miles]

TLD RING TLD_OUTER

Sample ID:	232890	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	21.0
Sample ID:	237576	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	18.0
Sample ID:	243942	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	17.0
Sample ID:	249597	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	19.0

Sample Point 042 [INDICATOR - SE @ 4.93 miles]

TLD RING TLD_OUTER

Sample ID:	232874	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	31.0
Sample ID:	237560	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	26.0
Sample ID:	243926	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	24.0
Sample ID:	249581	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	26.0

Sample Point 043 [INDICATOR - SSE @ 4.09 miles]

TLD RING TLD_OUTER

Sample ID:	232875	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	28.0
Sample ID:	237561	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	25.0
Sample ID:	243927	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	24.0
Sample ID:	249582	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	27.0

Sample Point 044 [INDICATOR - S @ 3.96 miles]

TLD RING TLD_OUTER

Sample ID:	232876	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	24.0
Sample ID:	237562	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	20.0
Sample ID:	243928	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	18.0
Sample ID:	249583	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	21.0

Sample Point 045 [INDICATOR - SSW @ 4.78 miles]

TLD RING TLD_OUTER

Sample ID:	232877	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	19.0
Sample ID:	237563	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	17.0
Sample ID:	243929	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	17.0
Sample ID:	249584	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	19.0

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: TLD Concentration (Activity): mR/Standard Quarter

Sample Point 046 [INDICATOR - SW @ 4.61 miles]

TLD RING TLD_OUTER

Sample ID:	232878	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	27.0
Sample ID:	237564	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	24.0
Sample ID:	243930	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	21.0
Sample ID:	249585	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	26.0

Sample Point 047 [INDICATOR - WSW @ 3.58 miles]

TLD RING TLD_OUTER

Sample ID:	232879	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	27.0
Sample ID:	237565	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	22.0
Sample ID:	243931	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	21.0
Sample ID:	249586	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	24.0

Sample Point 048 [INDICATOR - W @ 3.64 miles]

TLD RING TLD_OUTER

Sample ID:	232880	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	29.0
Sample ID:	237566	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	25.0
Sample ID:	243932	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	24.0
Sample ID:	249587	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	26.0

Sample Point 049 [INDICATOR - WNW @ 3.6 miles]

TLD RING TLD_OUTER

Sample ID:	232881	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	26.0
Sample ID:	237567	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	22.0
Sample ID:	243933	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	21.0
Sample ID:	249588	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	25.0

Sample Point 050 [INDICATOR - NW @ 3.53 miles]

TLD RING TLD_OUTER

Sample ID:	232882	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	21.0
Sample ID:	237568	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	18.0
Sample ID:	243934	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	17.0
Sample ID:	249589	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	20.0

Sample Point 051 [INDICATOR - NNW @ 4.64 miles]

TLD RING TLD_OUTER

Sample ID:	232883	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	22.0
Sample ID:	237569	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	19.0

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: TLD Concentration (Activity): mR/Standard Quarter

Sample Point 051 [INDICATOR - NNW @ 4.64 miles]

TLD RING TLD_OUTER

Sample ID:	243935	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	19.0
Sample ID:	249590	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	21.0

Sample Point 052 [INDICATOR - ENE @ 12.4 miles]

TLD RING TLD_SPEC

Sample ID:	232884	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	29.0
Sample ID:	237570	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	23.0
Sample ID:	243936	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	22.0
Sample ID:	249591	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	28.0

Sample Point 053 [INDICATOR - E @ 11.7 miles]

TLD RING TLD_SPEC

Sample ID:	232885	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	30.0
Sample ID:	237571	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	25.0
Sample ID:	243937	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	23.0
Sample ID:	249592	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	27.0

Sample Point 054 [INDICATOR - ESE @ 8.6 miles]

TLD RING TLD_SPEC

Sample ID:	232886	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	23.0
Sample ID:	237572	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	20.0
Sample ID:	243938	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	18.0
Sample ID:	249593	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	21.0

Sample Point 055 [INDICATOR - SSE @ 9.27 miles]

TLD RING TLD_SPEC

Sample ID:	232887	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	18.0
Sample ID:	237573	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	16.0
Sample ID:	243939	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	14.0
Sample ID:	249594	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	17.0

Sample Point 056 [INDICATOR - SSW @ 7.3 miles]

TLD RING TLD_SPEC

Sample ID:	232888	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	26.0
Sample ID:	237574	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	22.0
Sample ID:	243940	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	21.0
Sample ID:	249595	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	28.0

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: TLD Concentration (Activity): mR/Standard Quarter

Sample Point 057 [INDICATOR - SW @ 8.42 miles]

TLD RING TLD_SPEC

Sample ID:	232889	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	28.0
Sample ID:	237575	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	24.0
Sample ID:	243941	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	26.0
Sample ID:	249596	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	24.0

Sample Point 058 [CONTROL - WSW @ 9.39 miles]

TLD RING TLD_CTRL

Sample ID:	232891	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	36.0
Sample ID:	237577	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	31.0
Sample ID:	243943	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	27.0
Sample ID:	249598	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	31.0

Sample Point 059 [INDICATOR - NW @ 9.2 miles]

TLD RING TLD_SPEC

Sample ID:	232892	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	29.0
Sample ID:	237578	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	23.0
Sample ID:	243944	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	23.0
Sample ID:	249599	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	28.0

Sample Point 076 [INDICATOR - W @ 0.19 miles]

TLD RING TLD_INNER

Sample ID:	232893	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	26.0
Sample ID:	237579	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	22.0
Sample ID:	243945	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	21.0
Sample ID:	249600	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	24.0

Sample Point 081 [CONTROL - SE @ 9.33 miles]

TLD RING TLD_CTRL

Sample ID:	232894	Sample Dates:	12/13/2011 - 3/13/2012	Nuclide	Activity
				mR/Std Qtr	27.0
Sample ID:	237580	Sample Dates:	3/13/2012 - 6/12/2012	Nuclide	Activity
				mR/Std Qtr	23.0
Sample ID:	243946	Sample Dates:	6/12/2012 - 9/11/2012	Nuclide	Activity
				mR/Std Qtr	21.0
Sample ID:	249601	Sample Dates:	9/11/2012 - 12/11/2012	Nuclide	Activity
				mR/Std Qtr	25.0

Media Type: VEGETATION Concentration (Activity): pCi/kg

Sample Point 077 [INDICATOR - SW @ 1 miles]

Sample ID:	226933	Sample Dates:	1/3/2012 - 1/3/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<3.57E+01	0.00E+00	3.57E+01
				Cs-134	<3.21E+01	0.00E+00	3.21E+01
				Cs-137	<3.61E+01	0.00E+00	3.61E+01
				Be-7	1.50E+03	2.09E+02	3.21E+02

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: VEGETATION Concentration (Activity): pCi/kg

Sample Point 077 [INDICATOR - SW @ 1 miles]

Sample ID:	226933	Sample Dates:	1/3/2012 - 1/3/2012	Nuclide	Activity	1 Sigma Error	LLD
				K-40	3.08E+03	2.99E+02	3.98E+02
Sample ID:	227928	Sample Dates:	2/6/2012 - 2/6/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<2.52E+01	0.00E+00	2.52E+01
				Cs-134	<2.76E+01	0.00E+00	2.76E+01
				Cs-137	<4.33E+01	0.00E+00	4.33E+01
				Be-7	7.66E+02	1.74E+02	2.77E+02
				K-40	2.29E+03	3.46E+02	4.55E+02
Sample ID:	230880	Sample Dates:	3/5/2012 - 3/5/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<3.16E+01	0.00E+00	3.16E+01
				Cs-134	<2.67E+01	0.00E+00	2.67E+01
				Cs-137	<2.69E+01	0.00E+00	2.69E+01
				Be-7	1.58E+03	1.63E+02	1.84E+02
				K-40	3.28E+03	3.04E+02	2.52E+02
Sample ID:	233484	Sample Dates:	4/2/2012 - 4/2/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<2.68E+01	0.00E+00	2.68E+01
				Cs-134	<2.99E+01	0.00E+00	2.99E+01
				Cs-137	<3.87E+01	0.00E+00	3.87E+01
				Be-7	4.51E+02	1.27E+02	2.56E+02
				K-40	3.90E+03	3.65E+02	2.50E+02
Sample ID:	235420	Sample Dates:	5/7/2012 - 5/7/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<2.89E+01	0.00E+00	2.89E+01
				Cs-134	<2.44E+01	0.00E+00	2.44E+01
				Cs-137	<3.11E+01	0.00E+00	3.11E+01
				Be-7	1.16E+03	1.42E+02	2.02E+02
				K-40	4.49E+03	3.63E+02	7.93E+01
Sample ID:	236732	Sample Dates:	6/4/2012 - 6/4/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<2.64E+01	0.00E+00	2.64E+01
				Cs-134	<2.92E+01	0.00E+00	2.92E+01
				Cs-137	<3.01E+01	0.00E+00	3.01E+01
				Be-7	6.22E+02	1.15E+02	2.42E+02
				K-40	3.93E+03	3.36E+02	3.00E+02
Sample ID:	238699	Sample Dates:	7/2/2012 - 7/2/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.72E+01	0.00E+00	1.72E+01
				Cs-134	<1.55E+01	0.00E+00	1.55E+01
				Cs-137	<2.12E+01	0.00E+00	2.12E+01
				Be-7	1.82E+03	1.20E+02	1.18E+02
				K-40	5.07E+03	2.71E+02	1.48E+02
Sample ID:	240342	Sample Dates:	8/6/2012 - 8/6/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<2.08E+01	0.00E+00	2.08E+01
				Cs-134	<2.04E+01	0.00E+00	2.04E+01
				Cs-137	<2.17E+01	0.00E+00	2.17E+01
				Be-7	1.80E+03	1.54E+02	1.54E+02
				K-40	4.26E+03	2.81E+02	2.43E+02
Sample ID:	242213	Sample Dates:	9/4/2012 - 9/4/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<2.95E+01	0.00E+00	2.95E+01
				Cs-134	<2.77E+01	0.00E+00	2.77E+01
				Cs-137	<2.65E+01	0.00E+00	2.65E+01
				Be-7	1.37E+03	1.80E+02	2.61E+02
				K-40	2.41E+03	3.20E+02	9.17E+01
Sample ID:	244912	Sample Dates:	10/1/2012 - 10/1/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<1.90E+01	0.00E+00	1.90E+01
				Cs-134	<2.98E+01	0.00E+00	2.98E+01
				Cs-137	<2.91E+01	0.00E+00	2.91E+01
				Be-7	2.37E+03	2.02E+02	2.47E+02
				K-40	2.02E+03	2.68E+02	3.26E+02
Sample ID:	247388	Sample Dates:	11/5/2012 - 11/5/2012	Nuclide	Activity	1 Sigma Error	LLD
				I-131	<3.51E+01	0.00E+00	3.51E+01
				Cs-134	<3.57E+01	0.00E+00	3.57E+01
				Cs-137	<4.01E+01	0.00E+00	4.01E+01
				Be-7	2.33E+03	2.07E+02	3.45E+02
				K-40	3.55E+03	3.95E+02	3.19E+02



OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: VEGETATION Concentration (Activity): pCi/kg

Sample Point 077 [INDICATOR - SW @ 1 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	1 Sigma Error	LLD
248657	12/3/2012 - 12/3/2012	I-131	<3.39E+01	0.00E+00	3.39E+01
		Cs-134	<2.91E+01	0.00E+00	2.91E+01
		Cs-137	<3.47E+01	0.00E+00	3.47E+01
		Be-7	8.51E+02	1.76E+02	2.18E+02
		K-40	2.37E+03	2.83E+02	2.46E+02

Sample Point 079 [INDICATOR - NE @ 0.56 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	1 Sigma Error	LLD
226935	1/3/2012 - 1/3/2012	I-131	<3.88E+01	0.00E+00	3.88E+01
		Cs-134	<4.02E+01	0.00E+00	4.02E+01
		Cs-137	<4.75E+01	0.00E+00	4.75E+01
		Be-7	1.32E+03	2.89E+02	3.50E+02
		K-40	2.79E+03	4.01E+02	4.34E+02

Sample ID:	Sample Dates:	Nuclide	Activity	1 Sigma Error	LLD
227930	2/6/2012 - 2/6/2012	I-131	<2.59E+01	0.00E+00	2.59E+01
		Cs-134	<2.06E+01	0.00E+00	2.06E+01
		Cs-137	<3.18E+01	0.00E+00	3.18E+01
		Be-7	1.72E+03	1.51E+02	2.06E+02
		K-40	3.30E+03	3.47E+02	4.39E+02

Sample ID:	Sample Dates:	Nuclide	Activity	1 Sigma Error	LLD
230882	3/5/2012 - 3/5/2012	I-131	<3.46E+01	0.00E+00	3.46E+01
		Cs-134	<3.51E+01	0.00E+00	3.51E+01
		Cs-137	<4.52E+01	0.00E+00	4.52E+01
		Be-7	1.58E+03	1.74E+02	2.51E+02
		K-40	2.85E+03	3.62E+02	4.92E+02

Sample ID:	Sample Dates:	Nuclide	Activity	1 Sigma Error	LLD
233486	4/2/2012 - 4/2/2012	I-131	<2.35E+01	0.00E+00	2.35E+01
		Cs-134	<2.02E+01	0.00E+00	2.02E+01
		Cs-137	<2.48E+01	0.00E+00	2.48E+01
		Be-7	6.97E+02	1.04E+02	1.76E+02
		K-40	3.99E+03	2.79E+02	2.54E+02

Sample ID:	Sample Dates:	Nuclide	Activity	1 Sigma Error	LLD
235422	5/7/2012 - 5/7/2012	I-131	<2.39E+01	0.00E+00	2.39E+01
		Cs-134	<2.02E+01	0.00E+00	2.02E+01
		Cs-137	<2.36E+01	0.00E+00	2.36E+01
		Be-7	6.71E+02	9.04E+01	1.31E+02
		K-40	4.39E+03	3.06E+02	1.98E+02

Sample ID:	Sample Dates:	Nuclide	Activity	1 Sigma Error	LLD
236734	6/4/2012 - 6/4/2012	I-131	<3.29E+01	0.00E+00	3.29E+01
		Cs-134	<3.45E+01	0.00E+00	3.45E+01
		Cs-137	<4.12E+01	0.00E+00	4.12E+01
		Be-7	3.45E+02	1.44E+02	2.89E+02
		K-40	3.35E+03	3.72E+02	2.96E+02

Sample ID:	Sample Dates:	Nuclide	Activity	1 Sigma Error	LLD
238701	7/2/2012 - 7/2/2012	I-131	<4.19E+01	0.00E+00	4.19E+01
		Cs-134	<4.09E+01	0.00E+00	4.09E+01
		Cs-137	<4.97E+01	0.00E+00	4.97E+01
		Be-7	6.90E+02	1.37E+02	3.05E+02
		K-40	3.97E+03	4.30E+02	3.38E+02

Sample ID:	Sample Dates:	Nuclide	Activity	1 Sigma Error	LLD
240344	8/6/2012 - 8/6/2012	I-131	<3.71E+01	0.00E+00	3.71E+01
		Cs-134	<2.66E+01	0.00E+00	2.66E+01
		Cs-137	<3.56E+01	0.00E+00	3.56E+01
		Be-7	1.22E+03	1.60E+02	2.50E+02
		K-40	3.81E+03	3.91E+02	2.91E+02

Sample ID:	Sample Dates:	Nuclide	Activity	1 Sigma Error	LLD
242215	9/4/2012 - 9/4/2012	I-131	<2.30E+01	0.00E+00	2.30E+01
		Cs-134	<2.14E+01	0.00E+00	2.14E+01
		Cs-137	<2.53E+01	0.00E+00	2.53E+01
		Be-7	1.42E+03	1.19E+02	1.68E+02
		K-40	3.26E+03	2.39E+02	2.17E+02

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: VEGETATION Concentration (Activity): pCi/kg

Sample Point 079 [INDICATOR - NE @ 0.56 miles]

Sample ID: 244913	Sample Dates: 10/1/2012 - 10/1/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<3.68E+01	0.00E+00	3.68E+01
		Cs-134	<3.07E+01	0.00E+00	3.07E+01
		Cs-137	<3.79E+01	0.00E+00	3.79E+01
		Be-7	1.22E+03	1.67E+02	2.42E+02
		K-40	4.90E+03	3.61E+02	3.07E+02
Sample ID: 247389	Sample Dates: 11/5/2012 - 11/5/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<2.52E+01	0.00E+00	2.52E+01
		Cs-134	<3.05E+01	0.00E+00	3.05E+01
		Cs-137	<3.22E+01	0.00E+00	3.22E+01
		Be-7	8.95E+02	1.19E+02	2.01E+02
		K-40	2.46E+03	3.07E+02	2.95E+02
Sample ID: 248658	Sample Dates: 12/3/2012 - 12/3/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<3.05E+01	0.00E+00	3.05E+01
		Cs-134	<4.45E+01	0.00E+00	4.45E+01
		Cs-137	<4.00E+01	0.00E+00	4.00E+01
		Be-7	1.12E+03	1.69E+02	1.82E+02
		K-40	2.58E+03	3.48E+02	3.37E+02
Sample Point 081 [CONTROL - SE @ 9.33 miles]					
Sample ID: 226936	Sample Dates: 1/3/2012 - 1/3/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.80E+01	0.00E+00	1.80E+01
		Cs-134	<2.47E+01	0.00E+00	2.47E+01
		Cs-137	<1.96E+01	0.00E+00	1.96E+01
		Be-7	5.02E+02	8.67E+01	1.57E+02
		K-40	2.92E+03	2.55E+02	3.30E+02
Sample ID: 227931	Sample Dates: 2/6/2012 - 2/6/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<2.14E+01	0.00E+00	2.14E+01
		Cs-134	<2.56E+01	0.00E+00	2.56E+01
		Cs-137	<3.53E+01	0.00E+00	3.53E+01
		Be-7	8.96E+02	1.33E+02	2.05E+02
		K-40	4.06E+03	3.21E+02	2.09E+02
Sample ID: 230883	Sample Dates: 3/5/2012 - 3/5/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<2.71E+01	0.00E+00	2.71E+01
		Cs-134	<2.66E+01	0.00E+00	2.66E+01
		Cs-137	<3.14E+01	0.00E+00	3.14E+01
		Be-7	1.35E+03	1.44E+02	1.94E+02
		K-40	4.57E+03	3.35E+02	1.74E+02
Sample ID: 233487	Sample Dates: 4/2/2012 - 4/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<2.59E+01	0.00E+00	2.59E+01
		Cs-134	<2.65E+01	0.00E+00	2.65E+01
		Cs-137	<2.93E+01	0.00E+00	2.93E+01
		Be-7	3.68E+02	1.14E+02	2.12E+02
		K-40	4.17E+03	3.90E+02	3.36E+02
Sample ID: 235423	Sample Dates: 5/7/2012 - 5/7/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<2.01E+01	0.00E+00	2.01E+01
		Cs-134	<1.83E+01	0.00E+00	1.83E+01
		Cs-137	<2.00E+01	0.00E+00	2.00E+01
		Be-7	5.11E+02	6.98E+01	1.19E+02
		K-40	3.54E+03	2.68E+02	2.14E+02
Sample ID: 236735	Sample Dates: 6/4/2012 - 6/4/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<3.43E+01	0.00E+00	3.43E+01
		Cs-134	<2.65E+01	0.00E+00	2.65E+01
		Cs-137	<3.63E+01	0.00E+00	3.63E+01
		Be-7	1.15E+03	1.20E+02	1.85E+02
		K-40	2.73E+03	3.32E+02	1.91E+02
Sample ID: 238702	Sample Dates: 7/2/2012 - 7/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.62E+01	0.00E+00	1.62E+01
		Cs-134	<1.94E+01	0.00E+00	1.94E+01
		Cs-137	<2.37E+01	0.00E+00	2.37E+01
		Be-7	1.15E+03	1.15E+02	1.32E+02
		K-40	3.87E+03	2.87E+02	2.30E+02

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: VEGETATION Concentration (Activity): pCi/kg

Sample Point 081 [CONTROL - SE @ 9.33 miles]

Sample ID: 240345	Sample Dates: 8/6/2012 - 8/6/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.62E+01	0.00E+00	1.62E+01
		Cs-134	<1.83E+01	0.00E+00	1.83E+01
		Cs-137	<1.85E+01	0.00E+00	1.85E+01
		Be-7	9.66E+02	1.19E+02	1.61E+02
		K-40	2.40E+03	2.12E+02	1.71E+02
Sample ID: 242216	Sample Dates: 9/4/2012 - 9/4/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<2.52E+01	0.00E+00	2.52E+01
		Cs-134	<2.38E+01	0.00E+00	2.38E+01
		Cs-137	<2.73E+01	0.00E+00	2.73E+01
		Be-7	1.19E+03	1.85E+02	1.99E+02
		K-40	3.15E+03	3.30E+02	9.36E+01
Sample ID: 244914	Sample Dates: 10/1/2012 - 10/1/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<3.00E+01	0.00E+00	3.00E+01
		Cs-134	<2.79E+01	0.00E+00	2.79E+01
		Cs-137	<3.81E+01	0.00E+00	3.81E+01
		Be-7	1.07E+03	1.52E+02	2.17E+02
		K-40	2.68E+03	3.39E+02	3.25E+02
Sample ID: 247390	Sample Dates: 11/5/2012 - 11/5/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<2.34E+01	0.00E+00	2.34E+01
		Cs-134	<2.30E+01	0.00E+00	2.30E+01
		Cs-137	<3.21E+01	0.00E+00	3.21E+01
		Be-7	6.45E+02	1.24E+02	2.15E+02
		K-40	5.18E+03	3.56E+02	2.11E+02
Sample ID: 248659	Sample Dates: 12/3/2012 - 12/3/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<2.46E+01	0.00E+00	2.46E+01
		Cs-134	<2.94E+01	0.00E+00	2.94E+01
		Cs-137	<3.96E+01	0.00E+00	3.96E+01
		Be-7	1.00E+03	1.59E+02	2.01E+02
		K-40	4.76E+03	3.57E+02	2.67E+02
Sample Point 084 [INDICATOR - NNE @ 2.58 miles]					
Sample ID: 226937	Sample Dates: 1/3/2012 - 1/3/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<3.14E+01	0.00E+00	3.14E+01
		Cs-134	<2.41E+01	0.00E+00	2.41E+01
		Cs-137	<2.80E+01	0.00E+00	2.80E+01
		Be-7	5.51E+03	2.50E+02	2.11E+02
		K-40	5.18E+03	3.35E+02	1.94E+02
Sample ID: 227932	Sample Dates: 2/6/2012 - 2/6/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<2.47E+01	0.00E+00	2.47E+01
		Cs-134	<2.43E+01	0.00E+00	2.43E+01
		Cs-137	<3.10E+01	0.00E+00	3.10E+01
		Be-7	4.88E+03	2.28E+02	2.01E+02
		K-40	3.78E+03	2.88E+02	2.73E+02
Sample ID: 230884	Sample Dates: 3/5/2012 - 3/5/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<2.70E+01	0.00E+00	2.70E+01
		Cs-134	<2.76E+01	0.00E+00	2.76E+01
		Cs-137	<2.47E+01	0.00E+00	2.47E+01
		Be-7	4.74E+03	2.29E+02	1.81E+02
		K-40	3.76E+03	2.89E+02	2.45E+02
Sample ID: 233488	Sample Dates: 4/2/2012 - 4/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<2.75E+01	0.00E+00	2.75E+01
		Cs-134	<2.60E+01	0.00E+00	2.60E+01
		Cs-137	<2.80E+01	0.00E+00	2.80E+01
		Be-7	2.76E+02	1.08E+02	1.79E+02
		K-40	4.10E+03	3.09E+02	2.60E+02
Sample ID: 235424	Sample Dates: 5/7/2012 - 5/7/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<1.86E+01	0.00E+00	1.86E+01
		Cs-134	<1.64E+01	0.00E+00	1.64E+01
		Cs-137	<1.66E+01	0.00E+00	1.66E+01
		Be-7	4.59E+02	6.84E+01	1.28E+02
		K-40	3.08E+03	2.10E+02	1.83E+02

OCONEE Radiological Environmental Monitoring Analysis Report - 2012 (Appendix E)

Media Type: VEGETATION Concentration (Activity): pCi/kg

Sample Point 084 [INDICATOR - NNE @ 2.58 miles]

Sample ID: 236736	Sample Dates: 6/4/2012 - 6/4/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<3.76E+01	0.00E+00	3.76E+01
		Cs-134	<3.45E+01	0.00E+00	3.45E+01
		Cs-137	<3.26E+01	0.00E+00	3.26E+01
		Be-7	5.00E+02	1.19E+02	2.68E+02
		K-40	3.32E+03	3.20E+02	3.85E+02
Sample ID: 238703	Sample Dates: 7/2/2012 - 7/2/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<2.22E+01	0.00E+00	2.22E+01
		Cs-134	<2.61E+01	0.00E+00	2.61E+01
		Cs-137	<2.74E+01	0.00E+00	2.74E+01
		Be-7	1.04E+03	1.16E+02	2.29E+02
		K-40	2.38E+03	2.84E+02	9.18E+01
Sample ID: 240346	Sample Dates: 8/6/2012 - 8/6/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<2.64E+01	0.00E+00	2.64E+01
		Cs-134	<3.58E+01	0.00E+00	3.58E+01
		Cs-137	<2.72E+01	0.00E+00	2.72E+01
		Be-7	1.26E+03	1.78E+02	2.04E+02
		K-40	2.02E+03	3.60E+02	4.17E+02
Sample ID: 242217	Sample Dates: 9/4/2012 - 9/4/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<2.50E+01	0.00E+00	2.50E+01
		Cs-134	<3.17E+01	0.00E+00	3.17E+01
		Cs-137	<3.71E+01	0.00E+00	3.71E+01
		Be-7	1.00E+03	1.45E+02	2.35E+02
		K-40	2.10E+03	2.84E+02	3.71E+02
Sample ID: 244916	Sample Dates: 10/1/2012 - 10/1/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<2.94E+01	0.00E+00	2.94E+01
		Cs-134	<2.28E+01	0.00E+00	2.28E+01
		Cs-137	<3.36E+01	0.00E+00	3.36E+01
		Be-7	1.34E+03	1.38E+02	1.95E+02
		K-40	3.02E+03	3.20E+02	3.10E+02
Sample ID: 247392	Sample Dates: 11/5/2012 - 11/5/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<3.39E+01	0.00E+00	3.39E+01
		Cs-134	<2.84E+01	0.00E+00	2.84E+01
		Cs-137	<3.95E+01	0.00E+00	3.95E+01
		Be-7	1.64E+03	2.00E+02	2.80E+02
		K-40	3.09E+03	3.55E+02	4.35E+02
Sample ID: 248661	Sample Dates: 12/3/2012 - 12/3/2012	Nuclide	Activity	1 Sigma Error	LLD
		I-131	<2.64E+01	0.00E+00	2.64E+01
		Cs-134	<2.59E+01	0.00E+00	2.59E+01
		Cs-137	<3.00E+01	0.00E+00	3.00E+01
		Be-7	1.37E+03	1.52E+02	1.96E+02
		K-40	2.36E+03	2.80E+02	3.35E+02

APPENDIX F

**ERRATA TO
PREVIOUS REPORTS**

APPENDIX F

ERRATA TO THE 2012 AREOR

There are no errata to be appended to the 2012 AREOR.