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Shearon Harris Nuclear Power Plant, Unit 1  
Docket No. 50-400/Renewed License No. NPF-63

Subject: Annual Radiological Environmental Operating Report

Ladies and Gentlemen:

In accordance with Harris Nuclear Plant Technical Specification 6.9.1.3, Duke Energy Progress, Inc., is providing the enclosed Annual Radiological Environmental Operating Report for 2014.

This submittal contains no regulatory commitments. Please refer any questions regarding this submittal to Dave Corlett, Manager – Regulatory Affairs, at (919) 362-3137.

Sincerely,

A handwritten signature in black ink, appearing to read "Ben C. Waldrep", written over the printed name.

Benjamin C. Waldrep

Enclosure

cc: Mr. J. D. Austin, NRC Sr. Resident Inspector, HNP  
Ms. M. Barillas, NRC Project Manager, HNP  
Mr. V. M. McCree, NRC Regional Administrator, Region II



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# **ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT**

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**DUKE ENERGY PROGRESS, INC.**

**SHEARON HARRIS NUCLEAR POWER PLANT**

**2014**



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

A	Annually
AC	Air Cartridge
AP	Air Particulate
APAC	Air Particulate Air Cartridge/Radioiodine
AREOR	Annual Radiological Environmental Operating Report
BW	BiWeekly
C	Control
CR	Condition Report - Corrective Action Program
DW	Drinking Water
ERA	Environmental Resource Associates
GPS	Global Positioning System
GW	Ground Water
HNP	Harris Nuclear Plant or Shearon Harris Nuclear Plant
ISFSI	Independent Spent Fuel Storage Installation
LLD	Lower Limit of Detection
M	Monthly
MDA	Minimum Detectable Activity
mrem	Millirem
Mk	Milk
NIST	National Institute of Standards and Technology
NRC	Nuclear Regulatory Commission
ODCM	Offsite Dose Calculation Manual
pCi/kg	picocurie per kilogram
pCi/l	picocurie per liter
pCi/m <sup>3</sup>	picocurie per cubic meter
PIP	Problem Investigation Program
Q	Quarterly
REMP	Radiological Environmental Monitoring Program
SA	Semiannually
SM	Semimonthly
SW	Surface Water
TECH SPECS	Technical Specifications
TLD	Thermoluminescent Dosimeter
μCi/ml	microcurie per milliliter
W	Weekly

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# 1.0 EXECUTIVE SUMMARY

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The Harris Nuclear Plant (HNP) is operated by Duke Energy Progress, Inc. under a license granted by the Nuclear Regulatory Commission (NRC). Provisions of the Nuclear Regulatory Commission's Regulatory Guide 4.8, Harris Nuclear Plant Technical Specifications, and the Harris Nuclear Plant Offsite Dose Calculation Manual (ODCM) establish the requirements of the Radiological Environmental Monitoring Program (REMP). This report describes the HNP REMP and the program results for January 1, 2014, through December 31, 2014.

Included in the report are the identification of sampling locations, descriptions of environmental sampling and analysis procedures, comparisons of present environmental radioactivity levels and pre-operational environmental data, analysis of trends in environmental radiological data as potentially affected by plant operations, and a summary of environmental radiological sampling results. Quality assurance practices, sampling deviations, unavailable samples, and program changes are also discussed.

Sampling activities were conducted as prescribed by the Harris Nuclear Plant ODCM. Required analyses were performed and detection capabilities were met for the collected samples required by the ODCM. One thousand four hundred and eighty-three samples were analyzed comprising 1,675 test results in order to compile data for the 2014 HNP Annual Radiological Environmental Operating Report (AREOR). Based on the annual HNP land use census, the current number of sampling sites for Harris Nuclear Plant is sufficient.

Concentrations observed in the environment in 2014 for plant related radionuclides were generally within the ranges of concentrations observed in the past. Inspection of the data showed that radioactivity concentrations were as expected and all positively identified measurements attributed to plant operations were within the HNP ODCM regulatory limits.

The continued operation of the HNP has not contributed measurable radiation or the presence of gamma radioactivity, with the exception of Harris Lake bottom sediment, in the environmental monitoring program. The Harris Lake Surface water samples and the Ground water samples revealed tritium concentrations that are well within the applicable regulatory limits.

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## 2.0 INTRODUCTION

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### 2.1 SITE DESCRIPTION AND SAMPLE LOCATIONS

Duke Energy's Harris Nuclear Plant consists of a pressurized water reactor with a net output of approximately 930 MWe (Megawatts electric). Commercial production was initiated on January 3, 1987. HNP is located in southwest Wake County, North Carolina. The site is along U.S. route 1 approximately sixteen (16) miles southwest of Raleigh, North Carolina and approximately fifteen (15) miles northeast of Sanford, North Carolina. The nearest community is New Hill, North Carolina, which is north of the site.

Harris Lake is adjacent to the plant itself and is the source of cooling tower makeup water. The lake was impounded during the construction of the Harris Plant. The lake is fed by Buckhorn Creek and is approximately 4,400 acres in area. The main dam is approximately 4.7 miles south of the site. The primary discharges to Harris Lake from the plant are surface runoff, cooling tower blowdown, and radiological waste process systems.

Fishing, boating, and swimming are popular activities on Harris Lake and other nearby lakes. Duke Energy Progress, Inc. encourages the recreational use of the lake, Harris Lake County Park, and the adjoining lands through a variety of agreements with state and local government.

Within a five mile radius, most of the land is wooded with only a few residences and limited agricultural activity. There are no residences on the plant site. The chief use of land is for production of timber and pulp fiber.

Within a ten mile radius, the area is considered rural with significant populations in Apex, Holly Springs, and Fuquay - Varina. Currently, these communities are experiencing significant growth.

Within a fifty-mile radius, much of the land is used in agricultural production with significant crops including corn, soybeans, and tobacco. Livestock is also an important component with significant production in cattle, hogs, poultry, and dairy products.

Consumption of drinking water, food crops, and fish are sample media that are examples of ingestion pathways for exposure. Although the contribution to background radiation is small, Duke Energy Progress, Inc. has established the Radiological Environmental Monitoring Program (REMP) to measure the exposure pathways to man. An exposure pathway describes the source of the radiological exposure. The primary forms of radiological emissions from the plant are airborne and liquid discharge. The following pathways are monitored: external dose, ingestion of radioactive materials, and the inhalation of radioactive material. Specific methods and different environmental media are required to assess each pathway.

Sampling locations are chosen based upon meteorological factors, preoperational monitoring, and results of the land use surveys. A number of locations are selected as controls. Control locations are selected because they are unaffected by the operation of the plant. Figures 2.1-1,



2.1-2, 2.1-3, 2.1-4, 2.1-5, 2.1-6, and 2.1-7 are maps depicting the HNP REMP sampling locations and the Thermoluminescent Dosimeter (TLD) monitoring locations. The location numbers shown on these maps correspond to those listed in Tables 2.1-A and 2.1-B.

## **2.2 SCOPE AND REQUIREMENTS OF THE REMP**

The Radiological Environmental Monitoring Program (REMP) was established in 1982 at the Harris Nuclear Plant (HNP). Radiation and radioactivity in various environmental media have been monitored for 32 years, including 5 years prior to commencing operation. Monitoring is also provided for control locations, which would not be impacted by operations of the HNP. Using these control locations and data collected prior to operation allows comparison of data collected at locations near the HNP, which could potentially be impacted by its operations. 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.

This monitoring program is based on NRC guidance and is conducted in accordance with Operational Requirement 3.12.1 in the HNP Offsite Dose Calculation Manual (ODCM) and applicable procedures; with regards to sample media, sampling locations, sampling frequency and analytical sensitivity requirements. Indicator and control locations were established for comparison purposes to distinguish radioactivity of plant origin from natural or other “man-made” environmental radioactivity. This program 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 activity 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 the HNP Offsite Dose Calculation Manual (ODCM), is performed to ensure that changes in the use of areas at or beyond the site boundary are identified and that modifications to the REMP are made if required by changes in land use. This census satisfies the requirements of Section IV.B.3 of Appendix I to 10 CFR 50. Results are shown in Table 3.12.3.

Participation in an interlaboratory comparison program is performed in fulfillment of HNP ODCM Operational Requirements. The comparison program 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 10 CFR 50. A summary of the results obtained as part of this comparison program are in Section 4 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:

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

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 LIMIT OF DETECTION AND MINIMUM DETECTABLE ACTIVITY

The Lower Limit of Detection (LLD), and Minimum Detectable Activity (MDA) are used throughout the REMP.

**LLD** - The LLD, as defined in the ODCM as 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* (before the fact) 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 ODCM 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 plant. 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. 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 and the Japan earthquake and tsunami which triggered the Fukushima Dai-ichi nuclear power plant incident). 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

**Radiological Environmental Sampling Locations  
(Distant from Plant)**

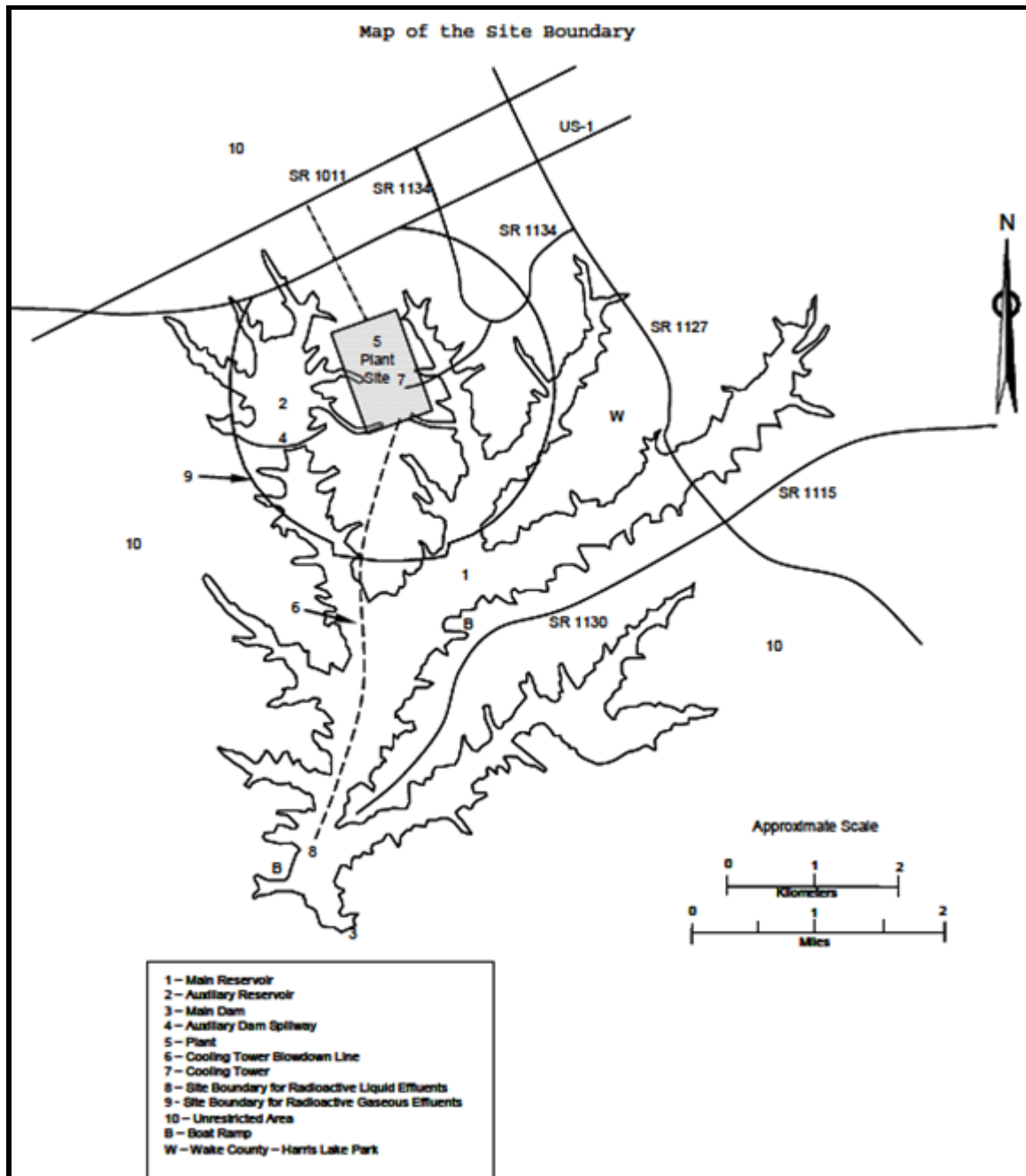


Figure 2.1-2

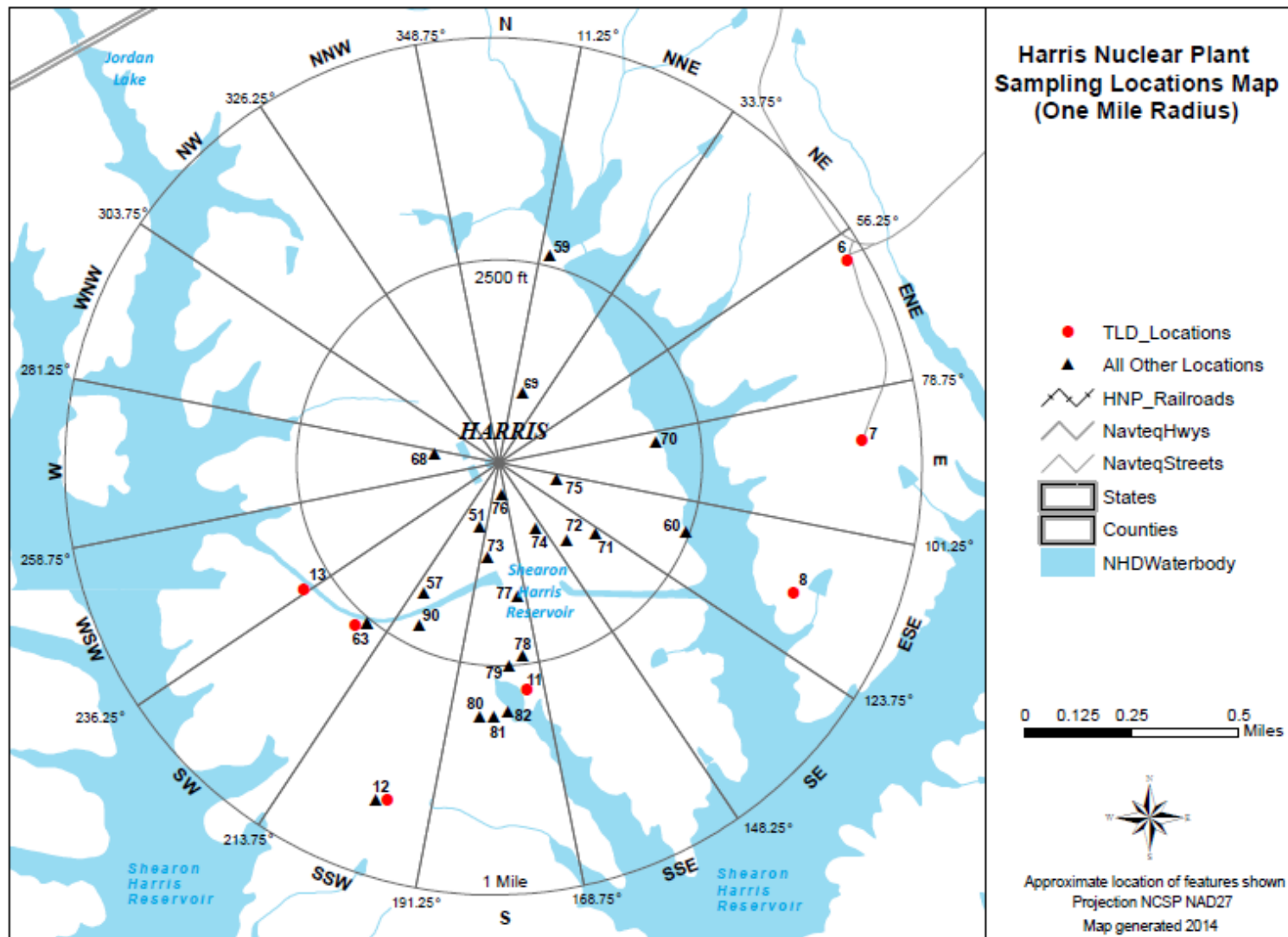


Figure 2.1-3

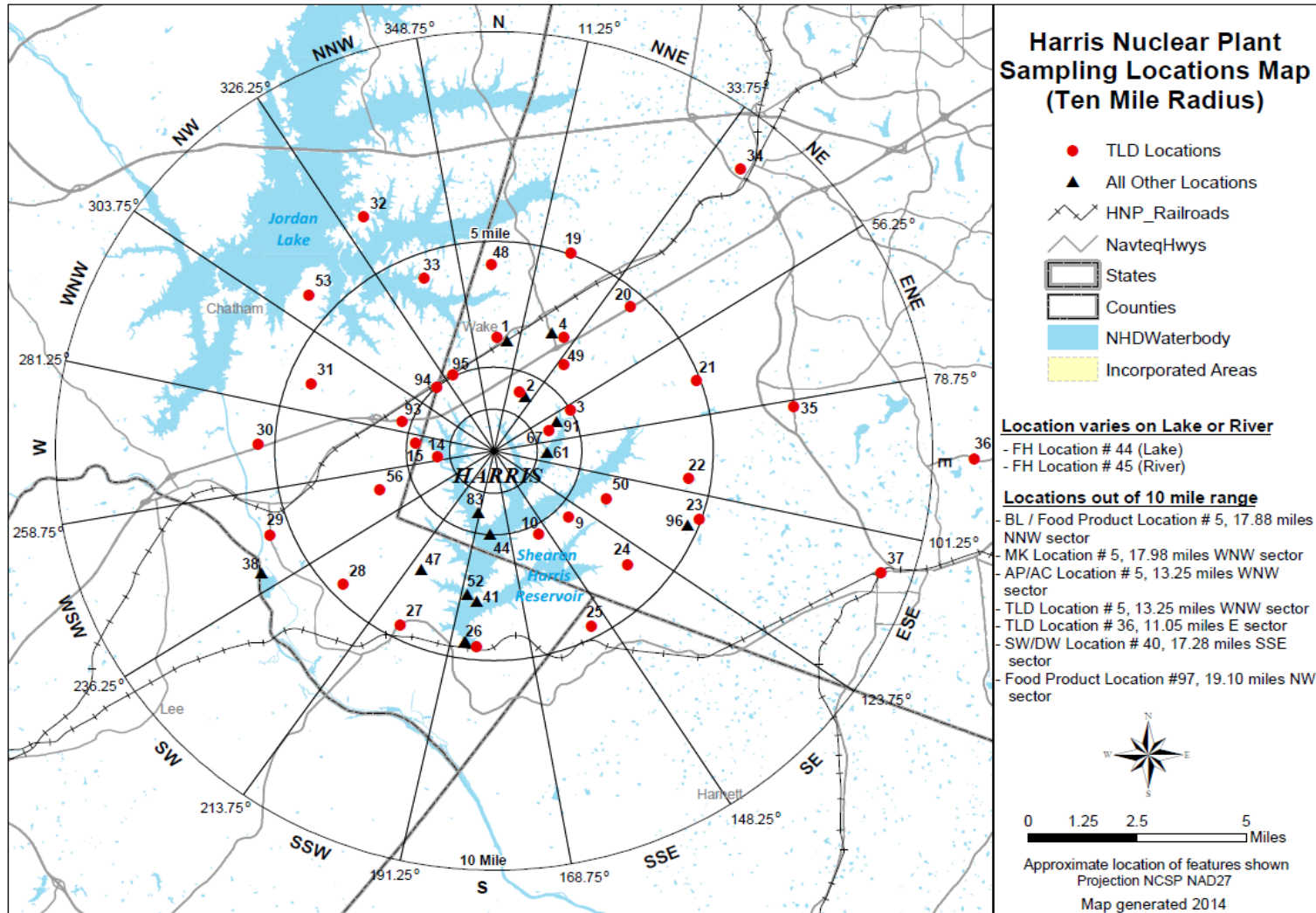


Figure 2.1-4

**Radiological Environmental Sampling Locations  
(Distant from Plant)**

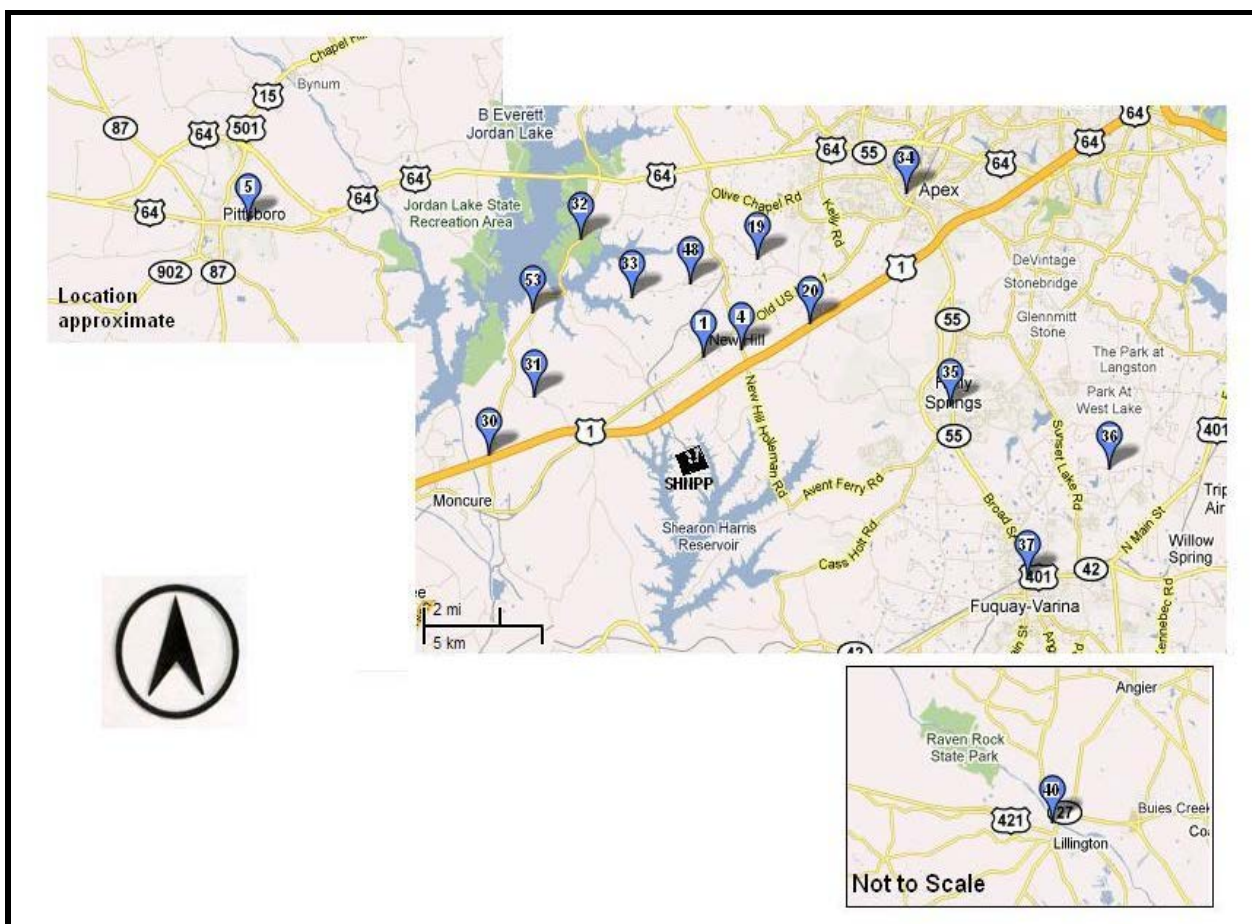




Figure 2.1-5

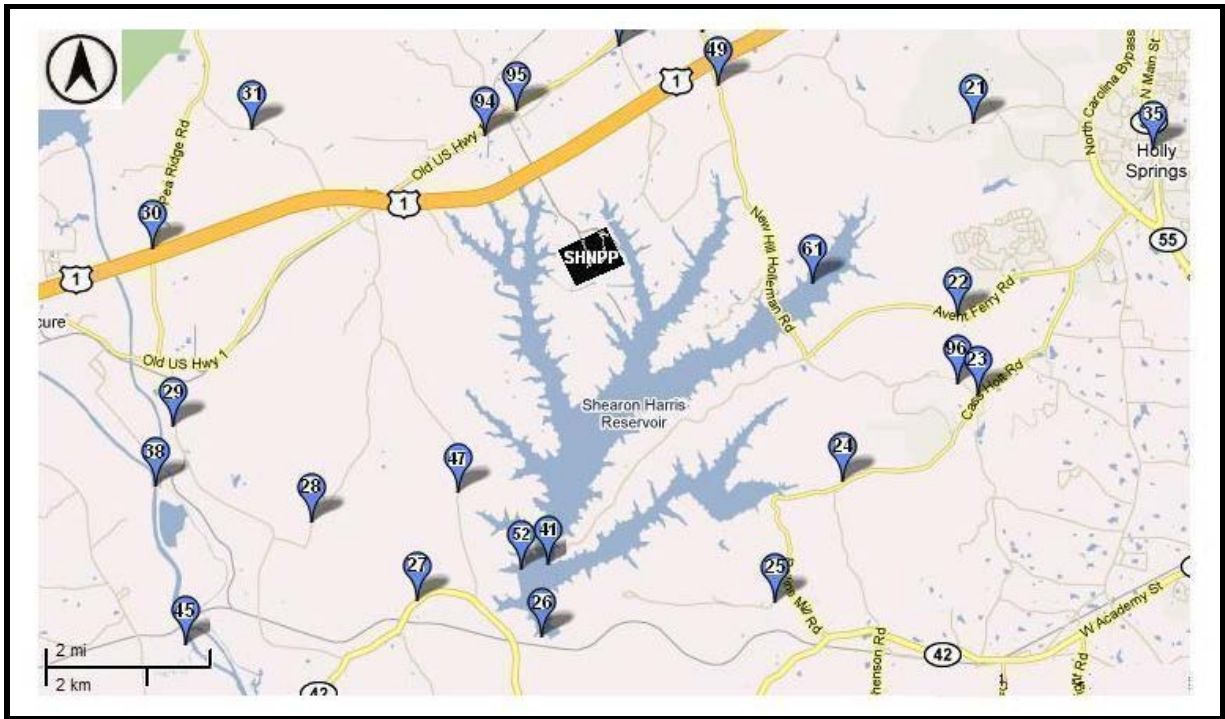
**Radiological Environmental Sampling Locations  
(Nearest Plant)**





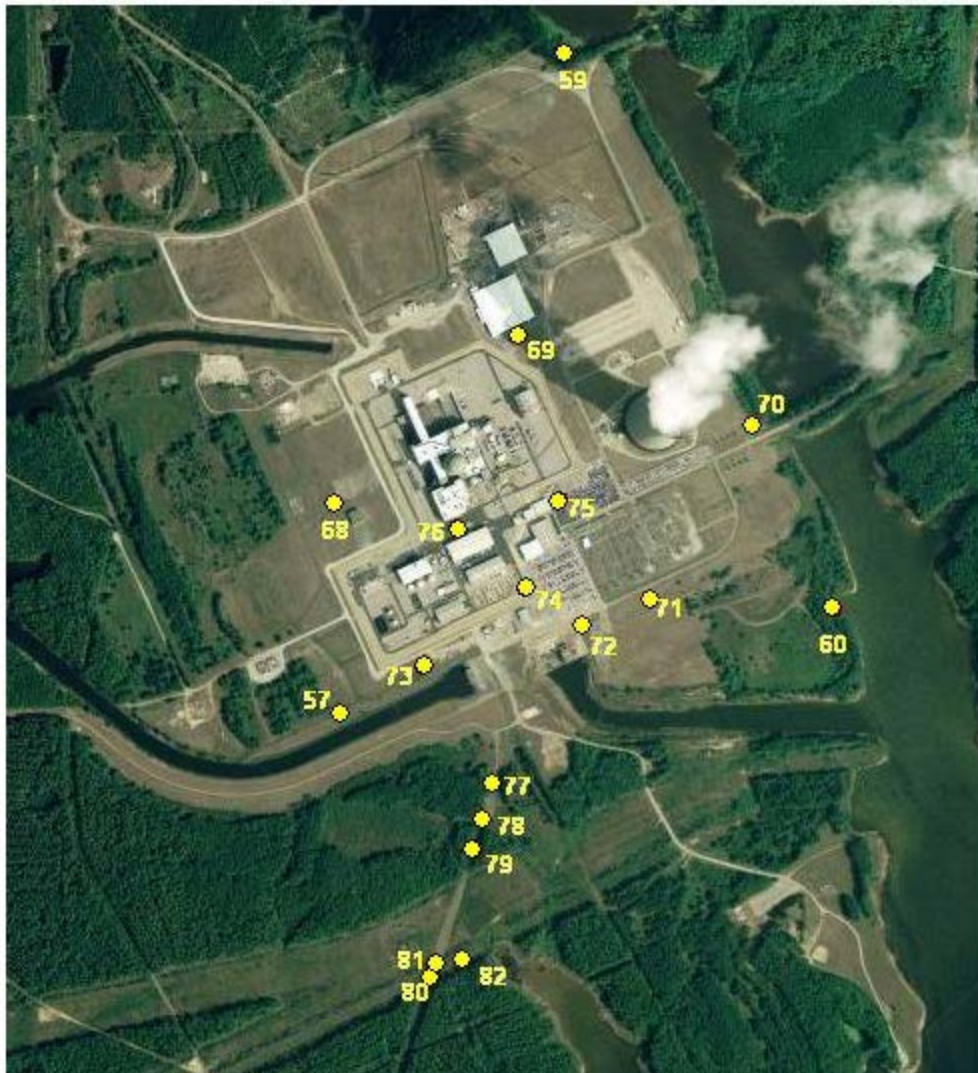
Figure 2.1-6

**Radiological Environmental Sampling Locations  
(Nearest Plant)**



**Figure 2.1-7**

**Radiological Environmental Ground Water (GW) Sampling Locations**



**TABLE 2.1-A**

**HARRIS NUCLEAR PLANT**

**RADIOLOGICAL MONITORING PROGRAM SAMPLING LOCATIONS**

Table 2.1-A Codes				Table 2.1-A Codes (Cont.)					
W	Weekly	SM	Semimonthly	AC	Air Cartridge	SB	Sediment Bottom	FI	Fish
BW	BiWeekly	Q	Quarterly	AP	Air Particulate	AV	Aquatic Vegetation	MK	Milk
M	Monthly	SA	Semiannually	SW	Surface Water	FP	Food Product		
A	Annual			DW	Drinking Water	BLV	Broadleaf Vegetation		
C	Control	I	Indicator	SS	Sediment Shoreline	GW	Ground Water		

Site #	Type	Location Description*	AC & AP	SW	DW	SS	SB	AV	FP <sup>(a)</sup>	Fish (FI)	Milk (Mk)	BLV <sup>(b)</sup>	GW
1	I	2.6 miles N	W/Q										
2	I	1.4 miles NNE	W/Q										
4	I	3.1 miles NNE	W/Q										
5	C	>12 miles WNW – Pittsboro >12 Miles NNW – Pittsboro (BLV)	W/Q						M <sup>(a)</sup>		SM/M	M <sup>(b)</sup>	
12	I	0.9 miles SSW										M <sup>(b)</sup>	
26	I	4.7 miles S	W/Q	BW/M		SA		A					
38	C	6.2 miles WSW		BW/M	BW/M								
40	I	17.2 miles SSE -- Lillington		BW/M	BW/M								
41	I	3.8 miles S				SA		A					
44	I	Site varies in Harris Lake								SA			
45	C	Site varies in Cape Fear River above Buckhorn Dam								SA			
47	I	3.4 miles SSW	W/Q										
51	I	Water Treatment Building (On Site)			BW/M								
52	I	3.8 miles S					SA						
57	I	0.4 miles SSW											Q
59	I	0.5 miles NNE											Q
60	I	0.5 miles ESE											Q
61	C	2.5 miles E						A					
63	I	0.6 miles SW	W/Q									M <sup>(b)</sup>	
68	I	0.2 miles W											Q
69	I	0.2 miles NNE											Q
70	I	0.4 miles E											Q
71	I	0.3 miles SE											Q
72	I	0.2 miles SE											Q
73	I	0.2 miles S											Q
74	I	0.2 miles SSE											Q
75	I	0.1 miles ESE											Q
76	I	0.1 miles S											Q
77	I	0.4 miles S											Q
78	I	0.5 miles S											Q
79	I	0.5 miles S											Q
80	I	0.6 miles S											Q
81	I	0.6 miles S											Q
82	I	0.6 miles S											Q
83	I	1.6 miles SSW											Q
90	I	0.5 miles SSW	W/Q										
91	I	1.6 miles ENE	W/Q										
96	I	4.6 miles ESE Humbug Farm (not sampled in 2013 or 2014)									SM/M		
97	C	19.1 miles NW – Granite Springs Farm							M <sup>(a)</sup>				

(a) When Available, during Harvest/Growing Season

(b) During Growing Season per ODCM – May through October

\* 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 2.1-B****HARRIS NUCLEAR PLANT****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
1	IR		2.6	N	26	OR		4.7	S
2	IR		1.4	NNE	27	OR		4.8	SSW
3	IR		1.9	ENE	28	OR		4.8	SW
4	SI	New Hill (Population Center)	3.1	NNE	29	OR		5.7	WSW
5	C	Pittsboro	>12	WNW	30	OR		5.6	W
6	IR		0.8	ENE	31	OR		4.7	WNW
7	IR		0.7	E	32	SI	Jordan Lake (Population Center)	6.4	NNW
8	IR		0.6	ESE	33	OR		4.5	NNW
9	IR		2.2	SE	34	SI	Apex (Population Center)	8.7	NE
10	IR		2.2	SSE	35	SI	Holly Springs (Population Center)	6.9	E
11	IR		0.6	S	36	SI	Sunset Lake (Population Center)	10.9	E
12	IR		0.9	SSW	37	SI	Fuquay-Varina (Population Center)	9.2	ESE
13	IR		0.7	WSW	48	OR		4.5	N
14	IR		1.5	W	49	IR		2.5	NE
15	IR		2.0	W	50	IR		2.6	ESE
19	OR		5.0	NNE	53	OR		5.8	NW
20	OR		4.5	NE	56	IR		3.0	WSW
21	OR		4.8	ENE	63	IR		0.6	SW
22	OR		4.3	E	67	IR		1.2	ENE
23	OR		4.8	ESE	93	IR		2.2	WNW
24	OR		4.0	SE	94	IR		2.0	NW
25	OR		4.7	SSE	95	IR		2.0	NNW

\* 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)	Airborne Particulate or Gases (pCi/m <sup>3</sup> )	Fish (pCi/kg-wet)	Milk (pCi/liter)	Food Products (pCi/kg-wet)
H-3	20,000 <sup>(a)</sup>				
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 <sup>(b)</sup>	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. This is 40 CFR Part 141 value. If no drinking water pathway exists, a value of 30,000 pCi/liter may be used.

(b) If no drinking water pathway exists, a value of 20 pCi/liter may be used.

**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	
	Quarterly	X				
Direct Radiation	Quarterly					X
Surface Water	Biweekly Composite			X		
	Monthly Composite	X	X		X	
Drinking Water	Biweekly Composite			X		
	Monthly Composite	X	X		X	
Ground Water	Quarterly	X	X			
Bottom Sediment	Semiannually	X				
Shoreline Sediment	Semiannually	X				
Milk	Semimonthly/Monthly	X		X		
Fish	Semiannually	X				
Aquatic Vegetation	Annually	X				
Broadleaf Vegetation	Monthly <sup>(a)</sup>	X				
Food Products	Monthly <sup>(b)</sup>	X				

(a) During growing season per ODCM - - May through October

(b) When Available

**TABLE 2.2-C****DETECTION CAPABILITIES FOR THE LOWER LIMIT OF DETECTION**

Analysis	Water (pCi/liter)	Airborne Particulates or Gases (pCi/m <sup>3</sup> )	Fish (pCi/kg-wet)	Milk (pCi/liter)	Food Products (pCi/kg-wet)	Sediment (pCi/kg-dry)
Gross Beta	4	0.01				
H-3	2000 <sup>(a)</sup>					
Mn-54	15		130			
Fe-59	30		260			
Co-58, 60	15		130			
Zn-65	30		260			
Zr-Nb-95	15					
I-131	1 <sup>(b)</sup>	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) If no drinking water pathway exists, a value of 3000 pCi/liter may be used.

(b) If no drinking water pathway exists, a value of 15 pCi/liter may be used.

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## 3.0 INTERPRETATION OF RESULTS

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The following section depicts and explains the review of the REMP results conducted during 2014 for the Harris Nuclear Plant (HNP) and fulfills the reporting requirements of Technical Specifications 6.9.1.3 and HNP ODCM E.3. Review of the 2014 REMP analysis results was performed to identify changes in environmental levels as a result of HNP operations. Sample data for 2014 was compared to preoperational and historical data.

Evaluation for significant trends was performed for radionuclides that are listed as required within the HNP ODCM. The radionuclides 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. Gross beta analysis results were trended for drinking water and gross beta trending for air particulates was initiated in 1996. Other radionuclides detected that are the result of plant operation, but not required for reporting, are trended.

The HNP ODCM addresses actions to be taken if radionuclides other than those required are detected in samples collected. The occurrences of these radionuclides could be the result of HNP liquid effluents which contained the radionuclides.

A change occurred in 2013 in the analysis procedures, the analysis instrumentation, and the analysis laboratory due to the merger between Progress Energy and Duke Energy. The Harris Energy and Environmental Center (HE&EC) (Progress Energy's central laboratory) was subsequently decommissioned and laboratory services were consolidated at the EnRad Laboratory in Huntersville, N.C.

Review of the 2014 data presented in this section supports the conclusion that there were no significant changes in environmental sample radionuclide concentrations of samples collected and analyzed from HNP and surrounding areas that were attributable to plant operations. Inspection of the data showed that radioactivity concentrations were as expected and all positively identified measurements attributed to plant operations were within HNP ODCM regulatory limits; thus presenting no significant impact to the environment or public health and safety.

A statistical summary of the HNP data for 2014 has been compiled and summarized in Appendix B along with any plant-derived activity detected within the scope of the REMP. No detectable tritium activity was observed at Lillington, N.C., located 17 miles downstream on the Cape Fear River, which is the first public drinking water (ingestion pathway) location below the Harris Lake discharge spillway. No plant-related gamma activity has been detected in fish collected from Harris Lake or in the water samples from Lillington, N.C. The Harris Lake bottom sediment detected plant-derived gamma activity, but poses no radiological dose to the general public via this pathway due to the fact that the bottom sediment is not easily accessible. This sample is for long-term trends.



Radioactivity in environmental samples attributed to plant operations in 2014 for which there is a potential dose pathway to the general public is seen in Table 3.0-A.

**Table 3.0-A Harris Potential Dose Pathway**

Environmental Media	Radionuclide	Location w/Highest Annual Mean	Activity and Occurrence	Maximum Individual Dose (mrem/yr)
Surface Water	H-3 (tritium)	Harris Lake	5,440 pCi/L (13/13)	No ingestion pathway. No dose calculated.
Fish	H-3 (tritium)	Harris Lake	See above H-3 activity Assume H-3 equilibrium between lake water and fish tissue	0.0120 Total Body

### **3.1 AIRBORNE RADIOIODINE AND PARTICULATES**

The 468 air cartridge/radioiodine (AC) samples from indicator and control stations had I-131 concentrations less than the ODCM LLD of  $7.00\text{E-}2 \text{ pCi/m}^3$ . The air samplers operated for a total of 99.8% availability for the 2014 year. No I-131 activity due to HNP operations has been detected in air samples collected from 1987 through 2014, which is the entire operating history of the plant. However, I-131 was detected in air samples for a three week period following the Fukushima Dai-ichi nuclear power plant incident after the March 11, 2011, earthquake and tsunami (CR # 456564) and for a six-week period following the Chernobyl incident in April 1986.

For the period of January 1, 2014, to December 31, 2014, the gross beta activity was detectable in the airborne particulate (AP) samples, with acceptable runtime, from the eight indicator locations and the control location. The 416 indicator samples had an average concentration of  $1.82\text{E-}2 \text{ pCi/m}^3$ , a value lower than the preoperational data of  $2.00\text{E-}2 \text{ pCi/m}^3$ . Similar gross beta activities were observed at the control location in Pittsboro, which had an average concentration of  $1.82\text{E-}2 \text{ pCi/m}^3$  in 52 control samples. Figures 3.1-1 through 3.1-8 provide a graphic representation of the gross beta activity at the indicator locations compared to the control location for the year 2014. No plant-related gamma activity was observed for any air particulate filters analyzed during 2014. Natural gamma concentrations identified are typical of the natural environment and are not attributed to plant operations. Refer to Appendix C or Appendix D for deviations and unavailable samples in the 2014 collection year.

No plant-related gamma activity was detected in quarterly composite filter samples from either the indicator or control locations during 2014. HNP ODCM LLDs and reporting levels for air particulates are contained in Section 2.0 in Table 2.2-C and 2.2-A respectively.

Figure 3.1-1

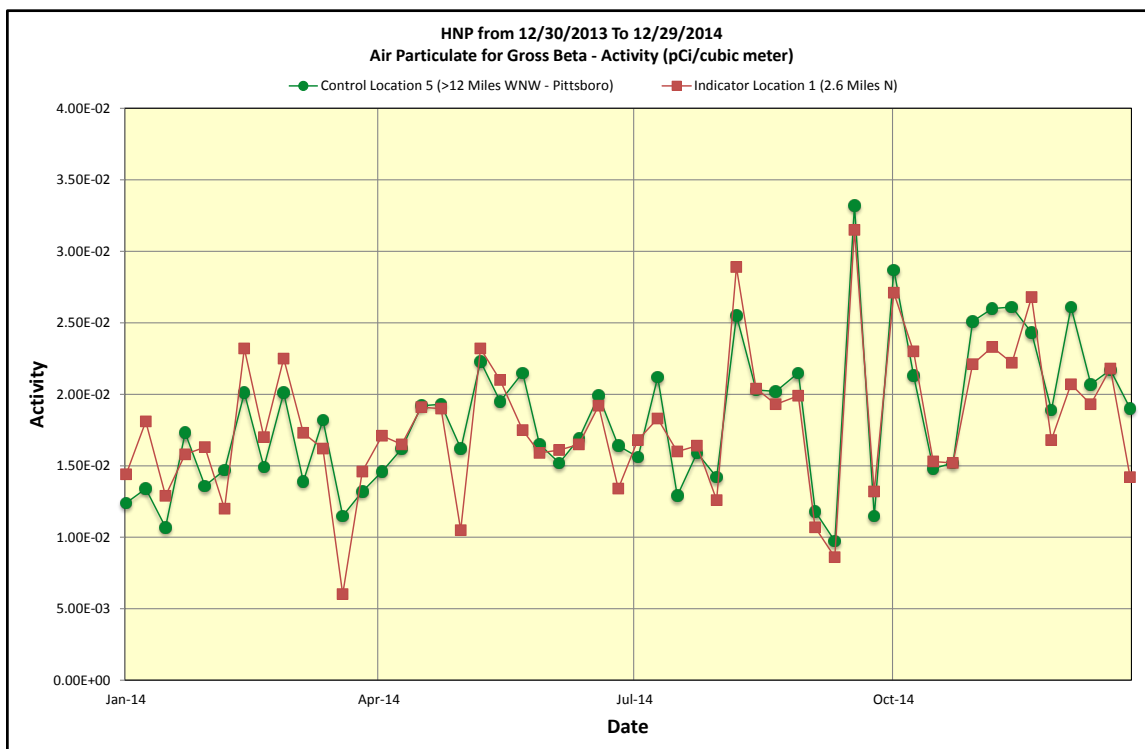


Figure 3.1-2

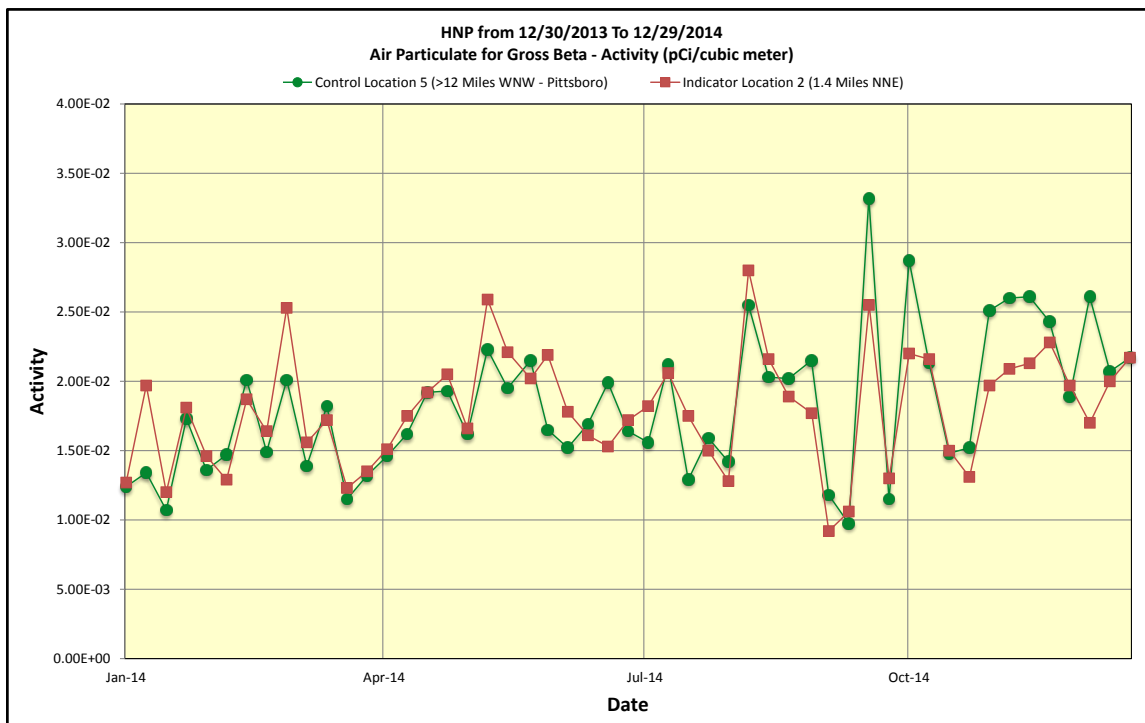


Figure 3.1-3

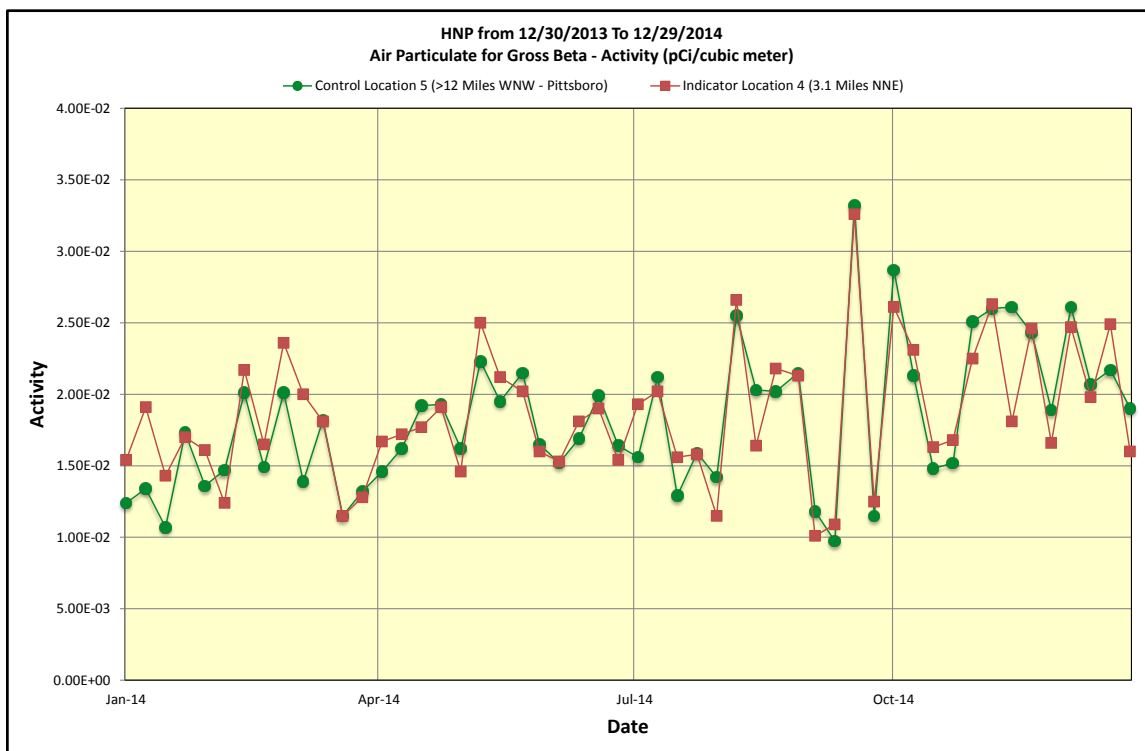


Figure 3.1-4

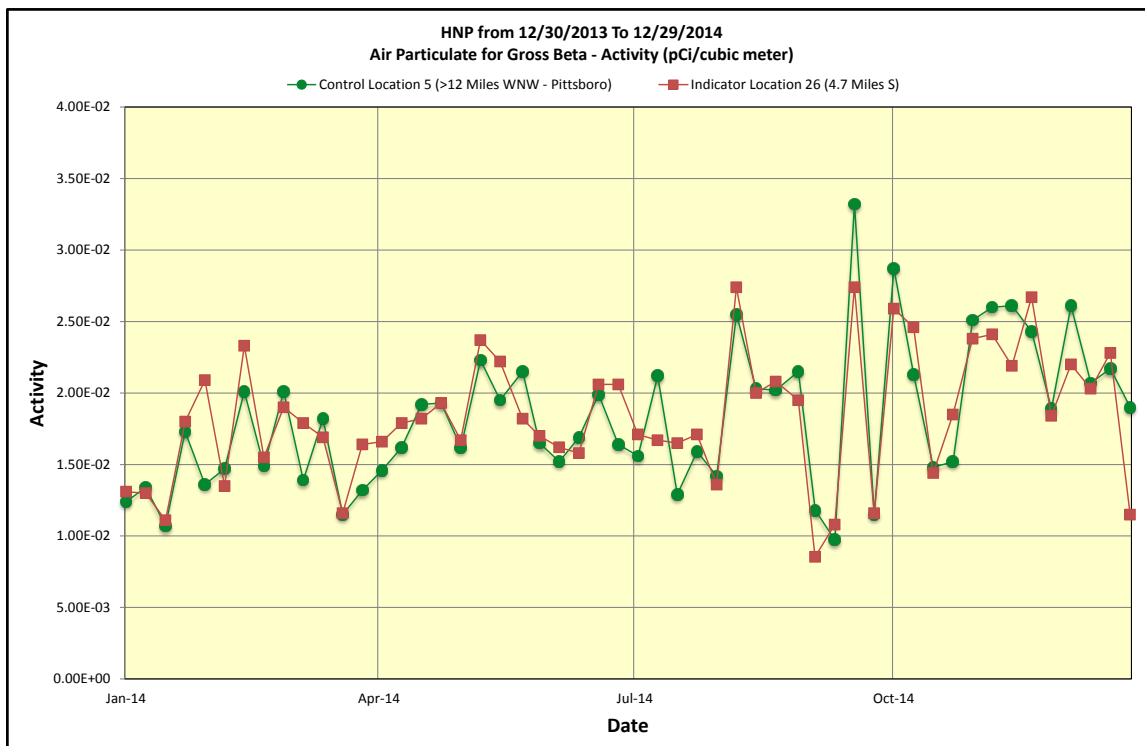


Figure 3.1-5

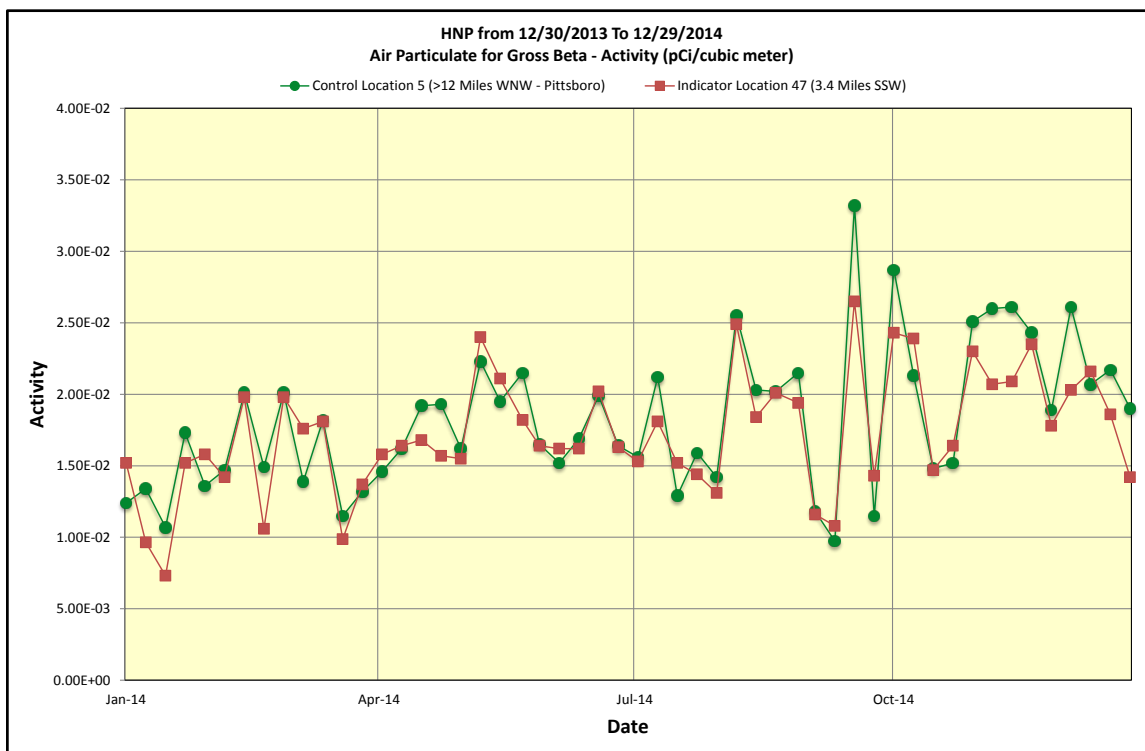


Figure 3.1-6

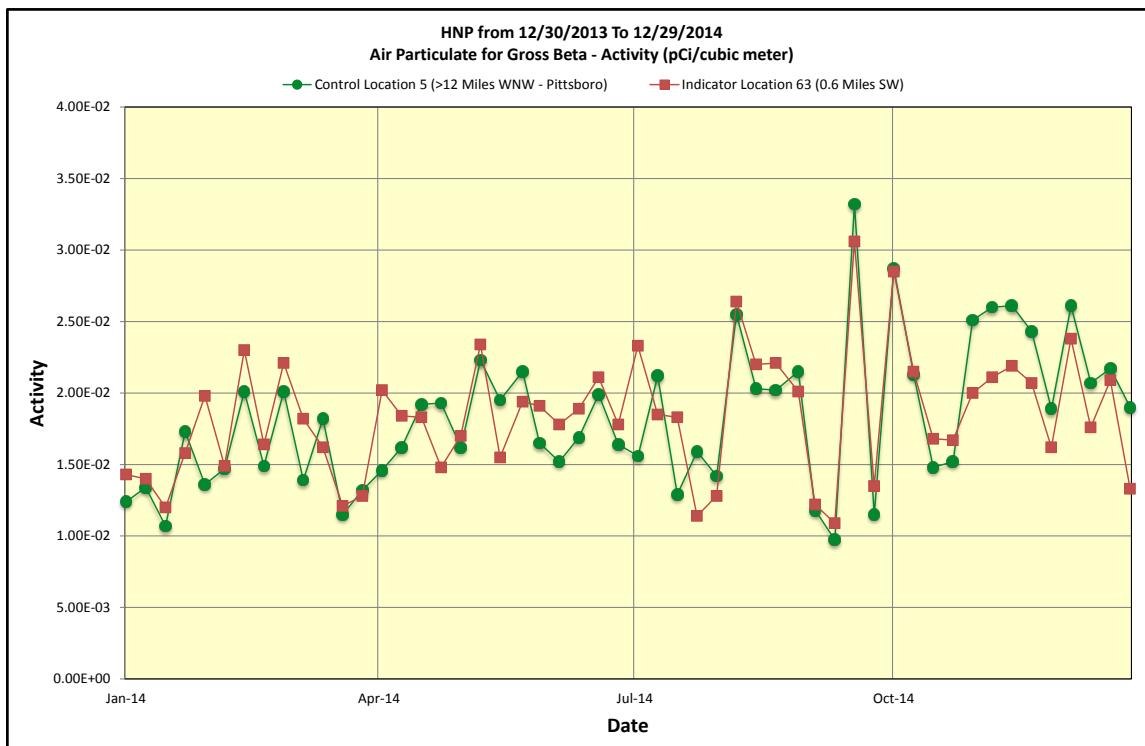


Figure 3.1-7

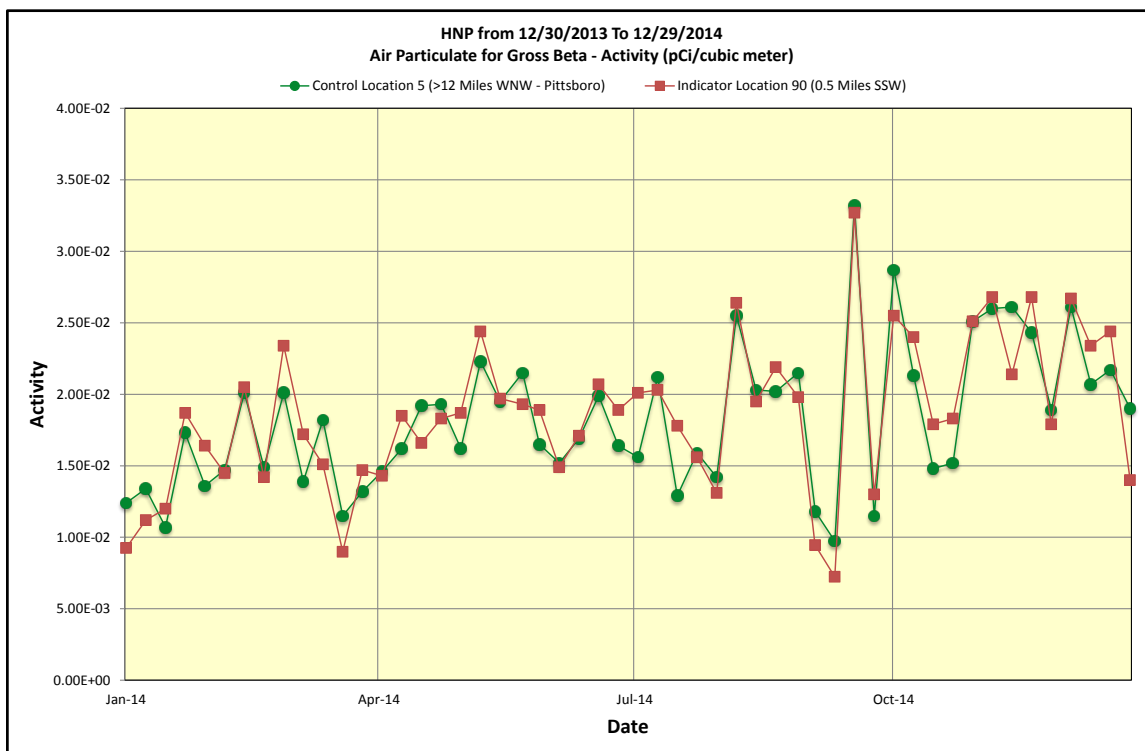
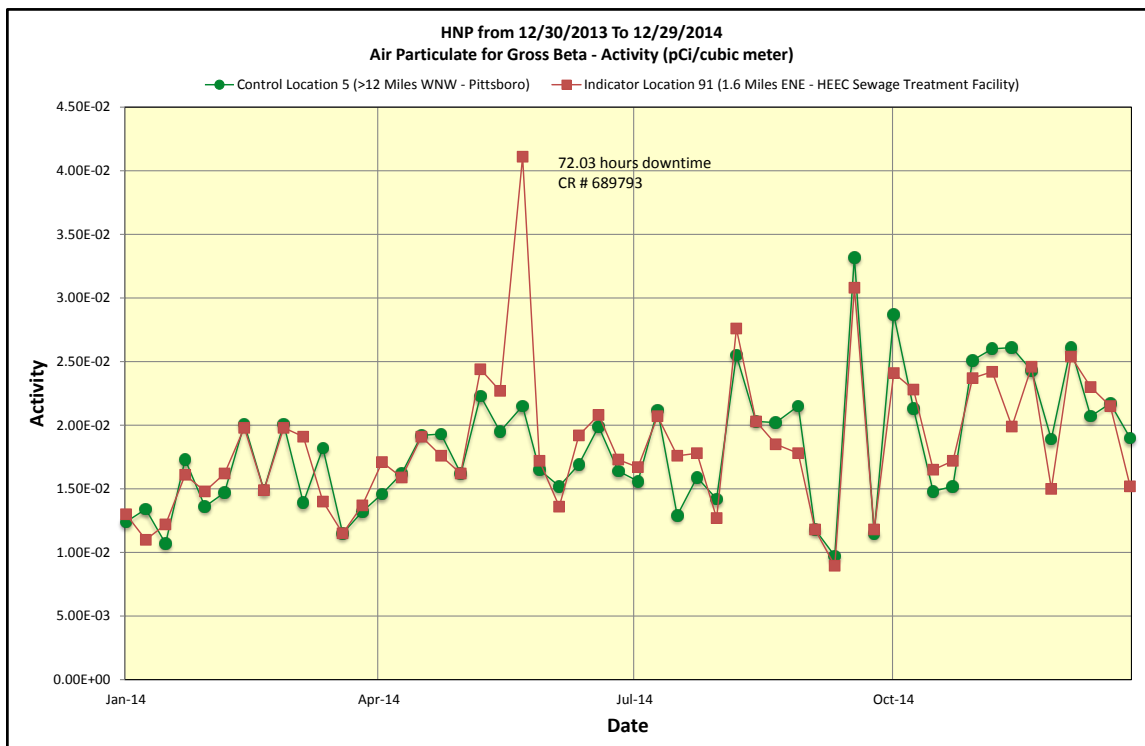


Figure 3.1-8



## 3.2 DRINKING WATER

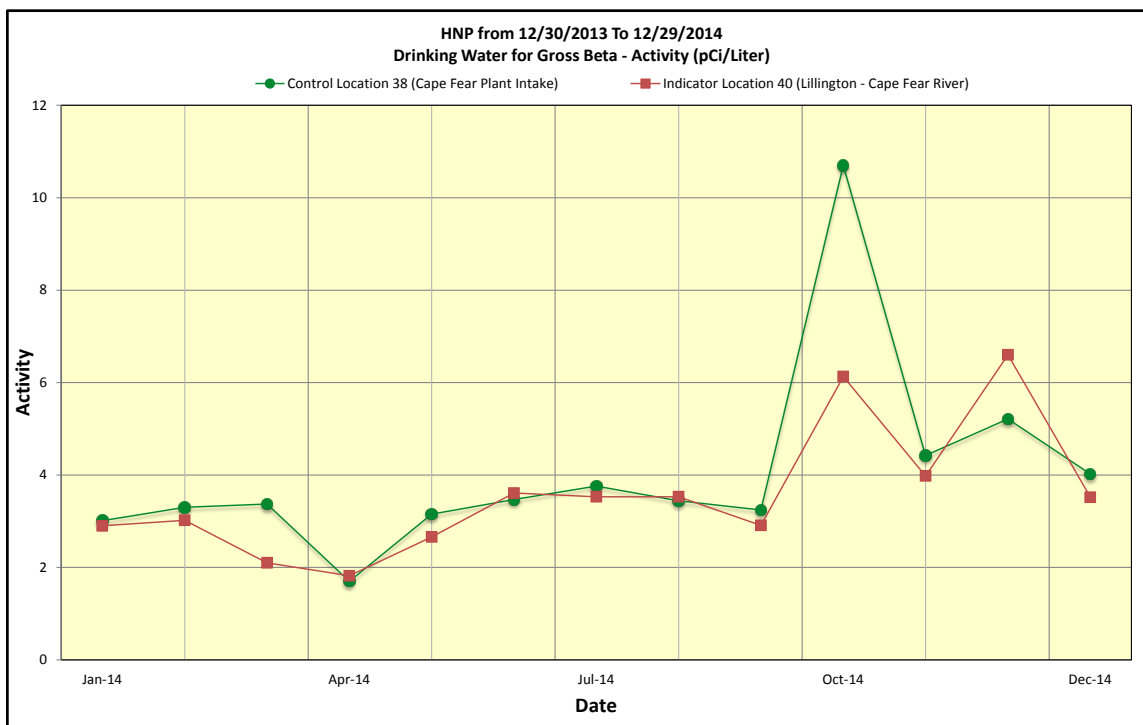
Twenty-six drinking water samples collected at the Lillington Municipal water supply (DW/SW-40), the 26 water treatment building samples (DW-51) at the Harris Plant, and the 26 control samples collected from the Cape Fear River above the Buckhorn Dam (DW/SW-38) contained less than detectable I-131 activity ( $< 1.0\text{E}+0$  pCi/L, HNP ODCM LLD) during 2014. It has typically been the experience for the I-131 drinking water samples to contain less than the ODCM LLD ( $< 1.0\text{E}+0$  pCi/L) for the preoperational and operational period with the exception of the 1986 Chernobyl incident and the 2011 Japan earthquake and tsunami which triggered the Fukushima Dai-ichi nuclear power plant incident (CR #458543). The water samplers operated for a total of 100.0% availability for the 2014 year. Refer to Appendix C or Appendix D for deviations and unavailable samples in 2014 collection year.

The average annual gross beta concentrations at the indicator and control locations were  $2.95\text{E}+0$  pCi/L and  $4.06\text{E}+0$  pCi/L, respectively. The preoperational average was  $4.00\text{E}+0$  pCi/L. These concentrations are attributed to the natural environment and are not attributed to plant operations. Figure 3.2 provides graphic representation of the drinking water gross beta activity during 2014 for Location 40 (Lillington) and Location 38 (control at Cape Fear).

Analyses for gamma-emitting radionuclides from plant operations indicated concentrations were less than the lower limit of detection for drinking water. Table 2.2-C contains ODCM LLD values for gamma-emitting radionuclides in drinking water.

Tritium concentrations in the Lillington Municipal Water Supply samples (DW/SW-40) were less than the ODCM LLD (2000 pCi/L) and the administrative limit (250 pCi/L) (see Appendix B, Footnote 7). The annual average tritium concentration for the Water Treatment Building sample on site (DW-51) was  $4.83\text{E}+3$  pCi/L, with a minimum and maximum value of  $3.57\text{E}+3$  pCi/L and  $7.17\text{E}+3$  pCi/L, respectively.

Figure 3.2





### **3.3 SURFACE WATER**

Surface water samples were collected (weekly) and analyzed (bi-weekly) for I-131. Water samples collected contained less than detectable I-131 activity during 2014. It has typically been the experience for the I-131 surface water samples to contain less than the ODCM LLD ( $< 1.0\text{E}+0$  pCi/L) for the preoperational and operational period with the exception of the 1986 Chernobyl incident and the 2011 Japan earthquake and tsunami which triggered the Fukushima Dai-ichi nuclear power plant incident (CR # 458495 and 461822). The water samplers operated for a total of 100.0% availability for the 2014 year. Refer to Appendix C or Appendix D for deviations and unavailable samples in the 2014 collection year.

Average gross beta concentrations at the indicator and control locations were  $3.92\text{E}+0$  pCi/L and  $4.06\text{E}+0$  pCi/L, respectively, in 2014, indicating no contribution from plant operations (See Figure 3.3-1).

Surface water samples were analyzed for gamma and tritium radioactivity. The concentrations of man-made gamma-emitters were less than their respective lower limits of detection (see Table 2.2-C).

The annual average tritium concentration in Harris Lake at the Spillway was  $5.44\text{E}+3$  pCi/L with minimum and maximum values of  $3.68\text{E}+3$  pCi/L and  $8.79\text{E}+3$  pCi/L, respectively (see Figure 3.3-2). The average Harris Lake Spillway (SW-26) tritium concentration showed a decrease in tritium compared to the annual average of  $8.21\text{E}+3$  pCi/L in 2013. This concentration remains well below regulatory limits. The tritium liquid release program is optimized by releasing liquid effluents during periods of high rainfall to minimize the impact of the tritium concentration in the lake. The decrease in the average tritium concentration from 2013 to 2014 is due to the amount of rainfall or water in 2014 and the number of liquid waste releases.

Figure 3.3-1

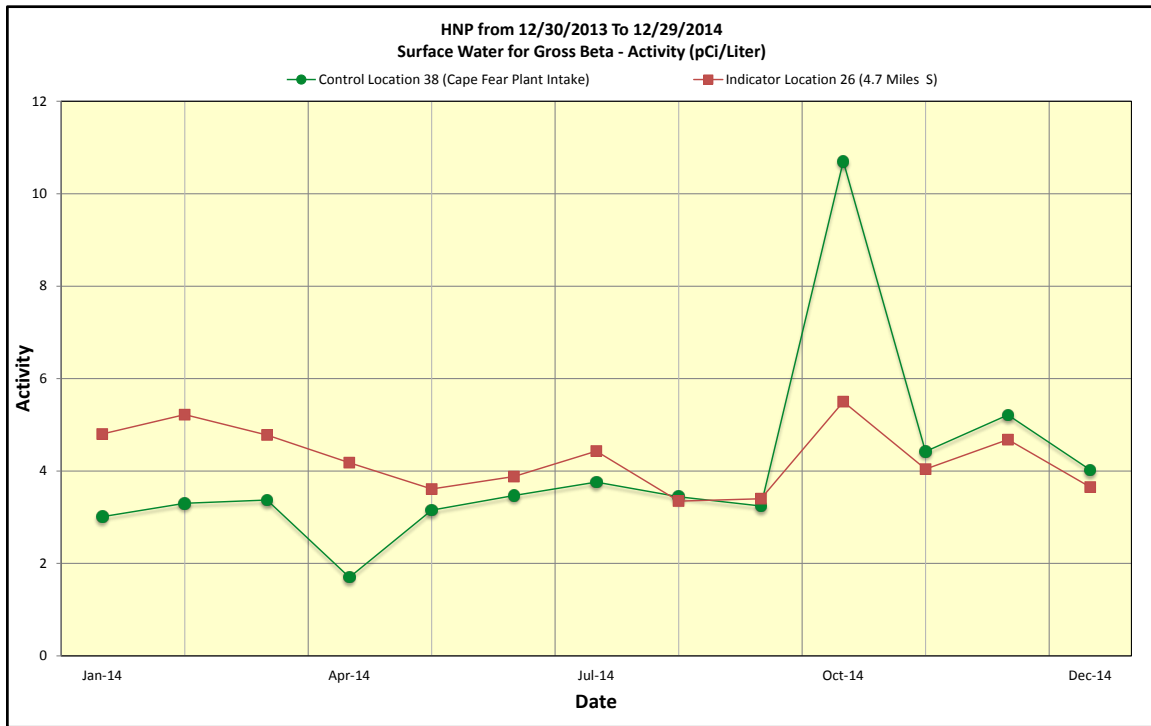
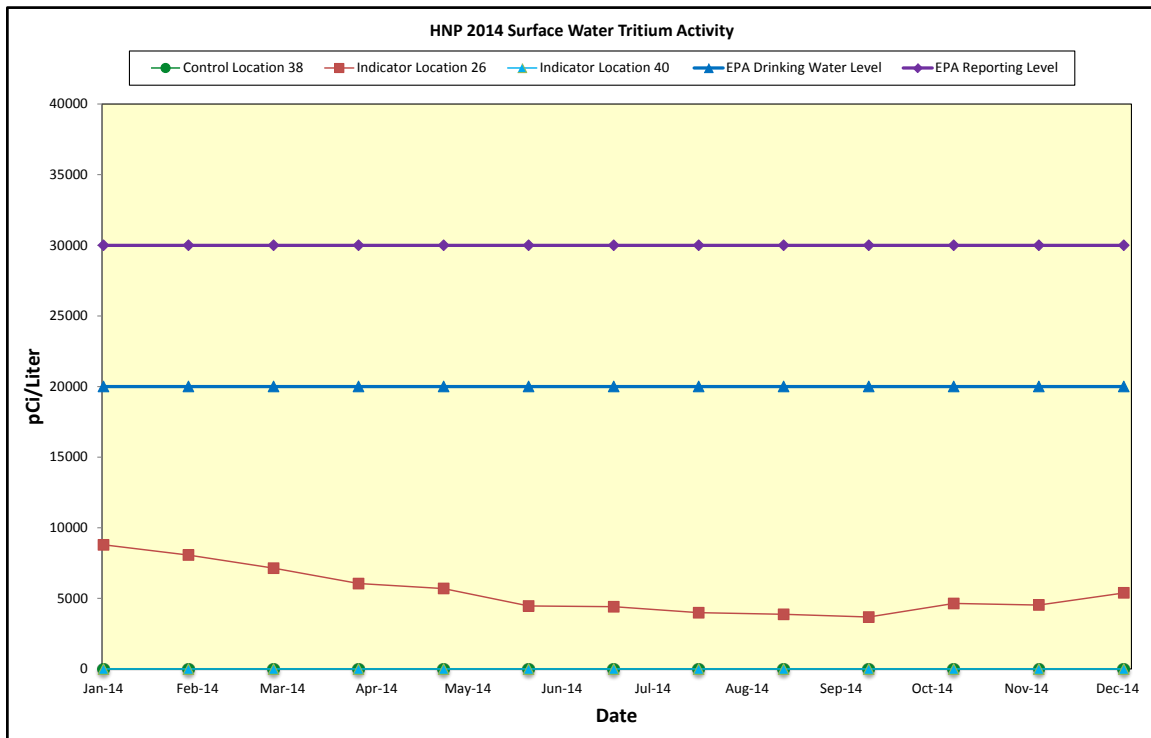


Figure 3.3-2



### **3.4 GROUND WATER**

Ground water samples are collected on site at HNP and analyzed for gamma emitters and tritium. The measured ground water gamma and tritium concentrations were below the required HNP ODCM Table 4.12-1 LLDs for environmental samples and Table 2.2-C. The tritium limits are 2000 picocuries per Liter (pCi/L) for a drinking water pathway and 3000 pCi/L if no drinking water pathway exists. HNP administratively established a ground water tritium analysis LLD of approximately 250 pCi/L, which is well below the requirements specified in the HNP ODCM.

The ground water tritium analysis shows the presence of tritium, ranging from 202 pCi/Liter to 1.71E+3 pCi/Liter in 2014; however, the results are well below the EPA reportable drinking water limit (20,000 pCi/Liter) and non-drinking water limit (30,000 pCi/Liter). The ground water wells, located on site at HNP, are monitoring wells and are not a water supply for drinking or irrigation. Therefore, there is no radiological dose via this pathway.

### **3.5 MILK/BROADLEAF VEGETATION**

During 2014, as in the past years with the exception of the 1986 Chernobyl incident and the 2011 Japan earthquake and tsunami which triggered the Fukushima Dai-ichi nuclear power plant incident (CR #458543), no I-131 activity was detected in the control milk sample. This control milk location is located greater than 12 miles WNW from the plant, thus in an area to be out of the influence of the plant. Gamma analyses revealed no detectable radioactivity from plant operations. Natural gamma activity is consistently identified in each control milk sample along with other naturally occurring nuclides.

In mid-September of 2010, the Humbug Farm (Goat milk indicator MK-96 – located in the ESE sector) was added to the HNP Environmental Monitoring Program. This is a small local goat farm which provides samples of goat milk during the spring and summer months. The dairy's Nubian and Saanen goats only produce milk about six months per year – from around March to September/October. In 2013, the Humbug Farm ceased operations (CR # 604191 / PIP # G-13-00704); therefore, no indicator milk samples were collected. In May of 1997, the Maple Knoll Dairy (indicator MK-42 - located in the SSE sector) ceased operations.

In lieu of the monthly milk samples, per HNP ODCM Table 3.12-1, broadleaf vegetation samples were collected in both the SW and SSW sectors. Broadleaf sampling is conducted to simulate dose to an individual via the milk pathway for compliance purposes. Broadleaf vegetation sampling is accomplished by collecting monthly, three different species of samples, when available during the growing season (May through October), at two locations at the site boundary (two indicator locations of the highest predicted annual average ground level D/Q) and at the control location (BL-5 in the NNW sector at greater than 12 miles). The gamma analyses on the broadleaf vegetation did not detect any plant-related radioactivity in any of the broadleaf vegetation (Fig Leaf,

Maple, Sweetgum, and Wax Myrtle) in 2014. Refer to Appendix C or Appendix D for deviations and unavailable samples in the 2014 collection year.

### **3.6 FOOD PRODUCTS**

None of the gardens identified during past or present annual Land Use Census are irrigated by water in which liquid plant wastes have been discharged. In July 2006, Revision 18 of the HNP ODCM identified that food crop collection was above and beyond requirements and were no longer required to be collected. In order to maintain historical trends, an indicator location (#55) and control location (#5) were sampled and reported in the current year's data report (CR # 141151). In September 2013, Revision 24 of the HNP ODCM reinstated control location #5 into the monthly Radiological Environmental Monitoring Program to ensure the food crop pathway was monitored (CR # 613179). During the 2014 growing season, food crop location #5 only produced food crops for two months (July and August). In November 2014, Revision 25 of the HNP ODCM added a new food crop control location (#97) at the Granite Springs Farm (19.1 miles in NW sector) to be sampled along with control location #5. Location #97 actually began being sampled in July 2014 during the growing season and has supplied ample food crops, except for September 2014. In September 2014, location #97 was unable to supply three different types of food crops for sampling; therefore, this constitutes a deviation to the 2014 sampling program (see Appendix C).

In addition to milk sampling (or broadleaf vegetation sampling), a food product sampling program was maintained. Various crops were collected during the growing season(s), which continued year round. The species selected were primarily broad-leaf vegetables which are most sensitive to direct fallout of airborne radioactive particulates. Crops sampled in 2014 included cabbage, collards, cucumbers, eggplant, lettuce, mustard greens, okra, radishes, squash, tomatoes, turnip greens, and zucchini. Gamma analyses of the food crops detected no plant-related activity in nineteen (19) samples from the control locations collected in 2014. The individual, from control location 5 in 2014, did not plant a large enough variety of produce or the garden did not produce three (3) different kinds of food crops/products. This was mostly due to seasonal unavailability, lack of sufficient quantity planted or lack of a variety of crops planted, crops being too small to harvest at the time of collection, and crops being plowed up in September 2014 with nothing being replanted for winter crops. Therefore, food crops/products from location 5 (control) were not available for sampling January, February, March April, May, June, September, October, November, and December of 2014, which constitutes a deviation to the sampling program (see Appendix C).

### **3.7 AQUATIC VEGETATION**

The 2014 data shows that there were two aquatic vegetation indicator samples and one control sample collected from Harris Lake, which are sampled annually. The aquatic vegetation samples from Harris Lake pose no radiological dose to the general public by the ingestion pathway. Gamma analyses of the aquatic vegetation detected no plant-

related activity in the two indicator samples or the one control sample collected during 2014. No long-term trends are readily observed in these samples.

### 3.8 FISH

Analyses for gamma-emitting radionuclides in four samples of bottom-feeding species (catfish) and in eight samples of free-swimming species (sunfish and largemouth bass) from the indicator and control locations revealed no detectable activity for 2014, other than naturally occurring nuclides. This is consistent with the data for 1989-2013. During the Chernobyl period, Cs-134 and Cs-137 were detected in both control and indicator samples.

Fish are assumed to be in equilibrium with the tritium concentration in the lake. The total body/organ dose to the maximum exposed individual due to tritium was calculated using Regulatory Guide 1.109, Rev.1, October 1977, Equation A-1, to be 0.0120 mrem/year.

$$\text{Equation A-1}$$

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

where as:

$R_{aipj}$  = total body dose in mrem/yr of H-3  
 $C_{ip}$  = concentration of nuclide (H-3) in pCi/kg = pCi/L  
 $U_{ap}$  = maximum exposed individual's consumption (Reg. Guide 1.109 Table E-5)  
 $D_{aipj}$  = ingestion dose factor for total body/organ of individual in  $U_{ap}$  in mrem/pCi (Reg. Guide 1.109 Table E-11, E-12, or E-13)

The Total Body/Organ dose is as follows:

	<b>Child</b>	<b>Teenager</b>	<b>Adult</b>
<b>Consumption of fish kg/yr</b>	6.9	16	21
<b>Dose (Total Body/Organ) mrem/yr</b>	0.0076	0.0092	0.0120

The total body dose and organ dose, due to tritium in the fish, (ingestion dose factor - Reg. Guide 1.109 Table E-11, E-12, and E-13) for the maximum exposed individuals consuming 6.9 kg fish/yr. for a child, 16 kg fish/yr. for a teenager, and 21 kg fish/yr. for an adult are 0.0076, 0.0092, and 0.0120 mrem/year respectively.

### **3.9 SHORELINE SEDIMENT**

Shoreline sediment samples were collected semiannually in 2014 from opposite the discharge structure and near the main dam. Gamma analyses of the shoreline sediments detected natural activity in the samples collected during 2014. No long-term trends are readily observed in these samples.

### **3.10 BOTTOM SEDIMENT**

During 2014, a total of two (2) bottom sediment samples were analyzed from the indicator location.

The 2014 data shows Co-58 (2.01E+1 pCi/kg dry, a single value), Co-60 (7.68E+1 pCi/kg dry to 7.86E+2 pCi/kg dry), and Cs-137 (3.39E+1 pCi/kg dry to 2.18E+2 pCi/kg dry) activity in the indicator sample, which is sampled semiannually. The bottom sediment sample from Harris Lake poses no radiological dose to the general public via this pathway due to the fact that it is not easily accessible (i.e. bottom sediment is approximately forty to sixty feet underwater). These samples are for long-term trends for liquid effluents.

### **3.11 DIRECT GAMMA RADIATION**

#### **3.11.1 ENVIRONMENTAL TLD**

In 2014, 173 TLDs were analyzed, 169 at indicator locations and 4 at the control location. TLDs are collected and analyzed quarterly.

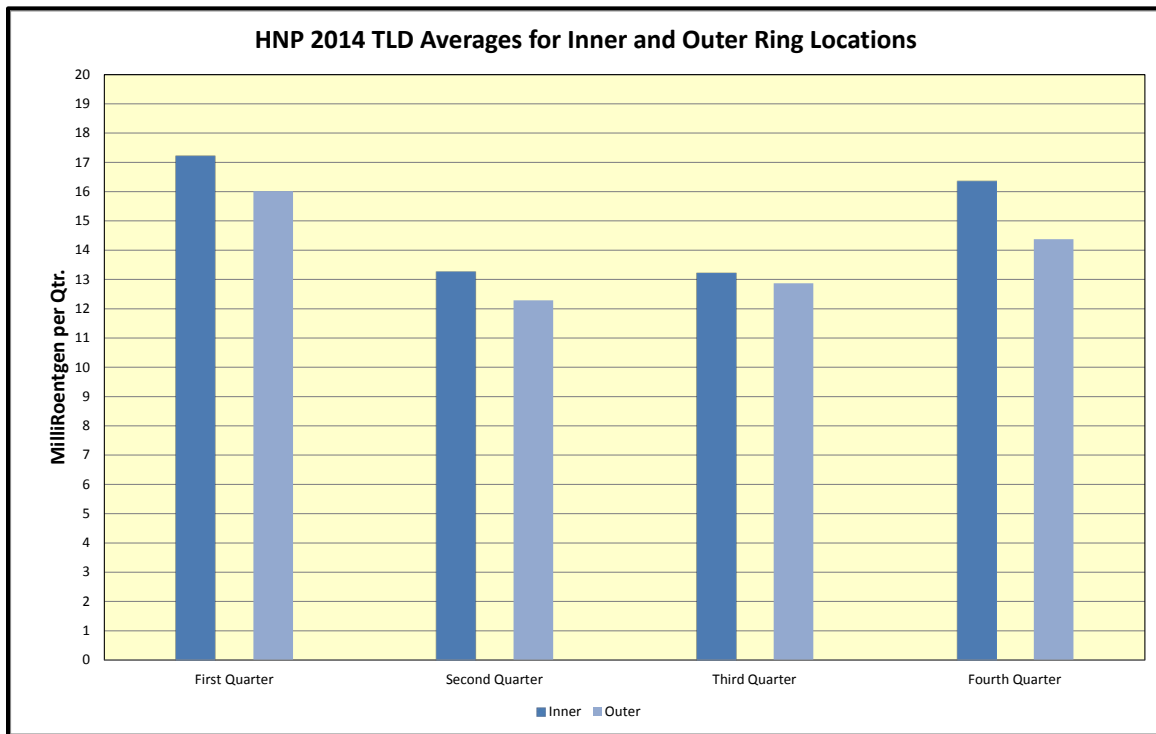
Thermoluminescent dosimeters (TLDs) were used to monitor ambient radiation exposures in the plant environs. The average quarterly exposure at the indicator and control locations was 14.6 mR/std. qtr. and 18.2 mR/std. qtr. respectively. The highest indicator location was 2.5 miles NE of the plant and its average was 18.6 mR/std. qtr. The differences among these locations are attributed to variations in soils, local geology, and are not the result of plant operations. There were three missing TLDs during the HNP 2014 collection period (see Appendix C).

Comparison of the quarterly TLD exposure within approximately 2 miles (inner ring) of the plant with that at approximately 5 miles (outer ring) is presented in Figure 3.11.1. These data illustrate that the quarterly inner ring TLD exposures for the four quarters of 2014 are slightly higher than the outer ring TLD exposures.

As of first quarter 2014, the environmental TLDs that are placed in the field for REMP are Harshaw TLDs. Panasonic TLDs were the type of environmental TLDs for REMP monitoring prior to 2014. This change was a merger initiative in order to achieve fleet standardization of the TLD program.

A TLD intercomparison program is conducted as part of the quality assurance program. Results of this program are included in section 4.7.

**Figure 3.11.1**



## **3.12 LAND USE CENSUS**

The 2014 HNP Annual Land Use Census was conducted August 26 and August 27, 2014, as required by the HNP ODCM 4.12.2. Table 3.12.3 summarizes the comparison between the 2013 and 2014 census results. A map indicating identified locations is shown in Figure 3.12. During the 2014 census, no irrigated gardens or new milk locations were identified within five miles (8 kilometers) of HNP. No environmental program changes were required as a result of the 2014 Land Use Census.

### **3.12.1 PURPOSE OF LAND USE CENSUS**

The land-use census identifies the pathways (or routes) that radioactive material may reach the general populations near commercial nuclear generating stations. This is accomplished by completing studies each year that identify how the



surrounding lands are used by the population. A comprehensive census of the use of the land within a five-mile (8 kilometer) distance of the plant is completed during the growing season each year. This information is used for dose assessment and to identify changes to the stations sampled and the type of samples. These results ensure that the Radiological Environmental Monitoring Program (REMP) is based upon current data regarding human activity in the vicinity of the plant. Therefore, the purpose of the land-use census is to ensure the monitoring program is current, as well as provide data for the calculation of estimated radiation exposure.

The pathways evaluated are:

- Ingestion Pathway - Results from eating food crops that may have radioactive materials deposited on them, incorporated radioactive materials from the soil or atmosphere. Another pathway is through drinking milk or eating goat cheese from local cows or goats, if these are present and if not then broadleaf vegetation is collected in lieu of milk. The grass used to feed these animals may have incorporated or had deposited on it radioactive materials that can be transferred to the milk.
- Direct Radiation Exposure Pathway- Results from deposition of radioactive materials on the ground or from passage of these radioactive materials in the air.
- Inhalation Pathway- Results from breathing radioactive materials transported in the air.

### **3.12.2 METHODOLOGY**

The following must be identified within the five-mile (8 kilometer) radius of the plant for each of the sixteen meteorological sectors (compass direction the winds may blow, for example NNE [North North East]):

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

The primary methods are visual inspection from the roadside within the five (5) mile radius and personal contact with the individuals.

### **3.12.3 LAND USE CENSUS RESULTS**

The 2013 and 2014 results of the survey for the nearest resident, garden, milk and meat animals in each sector are compared in Table 3.12.3.

The nearest resident in each sector remained the same from 2013 to 2014, except in the NNE and S sectors. No gardens were located within 5 miles of the plant for the NE, ENE, E, SSW, and S sectors. The gardens located in 2014 were the same as the gardens located in 2013, except for the addition of two new gardens, which are located in the NNE sector (at 1.81 miles) and the SE sector (at 4.11 miles). The garden in the SSW sector at 3.8 miles in 2013 was no longer available during the 2014 census, and a garden was not located in the SSW sector in 2014. The meat animals located in 2014 were the same as 2013, except in the NNE sector (at 1.81 miles), where a meat animal did not exist per the 2013 census, and the ESE sector (at 4.6 miles) was replaced by a meat animal at 4.72 miles per the 2014 census. No meat animals were found in the NE, SSE, and S sectors in 2014. Milk goats found in the ESE sector in 2012 are no longer available for production of milk for consumption and were not incorporated in the 2014 HNP environmental monitoring sample program. The resident in the S sector (at 5.3 miles), although technically just outside the 5-mile radius, was not included in the 2014 survey data since the residence is outside the 5-mile radius. Harris Lake County Park was included in the 2011 survey based on the described plans that in the future permanent residents (rangers and a campground) would be on the Park site; however, since the 2011 survey the plans have changed and permanent residents will not occur. Therefore, the Harris Lake County Park was not included in the 2014 Land Use Census survey.

**Table 3.12.3 Harris Land Use Census Comparison (2013 – 2014)**

**Nearest Pathway (Miles)**

SECTOR	RESIDENT		GARDEN		MEAT ANIMAL		MILK ANIMAL	
	2013	2014**	2013	2014**	2013	2014**	2013	2014**
N	2.2	2.21	2.2	2.21	2.2	2.21	---	---
NNE	1.9	1.81*	---	1.81*	---	1.81*	---	---
NE	2.3	2.43	---	---	---	---	---	---
ENE	1.6	1.78	---	---	1.8	2.01	---	---
E	1.7	1.98	---	---	1.7	1.98	---	---
ESE	2.6	2.73	4.6	4.76	4.6	4.72*	---	---
SE	4.11	4.11	---*	4.11*	4.11	4.11	---	---
SSE	4.26	4.26	4.26	4.26	---	---	---	---
S	5.3	---*	---	---	---	---	---	---
SSW	3.8	3.82	3.8	---*	3.93	3.93	---	---
SW	2.9	2.80	2.9	2.80	2.9	2.80	---	---
WSW	4.5	4.29	4.5	4.29	4.5	4.29	---	---
W	2.75	2.75	3.73	3.73	4.12	4.12	---	---
WNW	2.5	2.33	4.68	4.68	4.68	4.68	---	---
NW	2.4	2.24	2.4	2.24	2.4	2.24	---	---
NNW	1.6	1.55	2.0	1.82	2.0	1.82	---	---

\* Represents a change from the previous year.

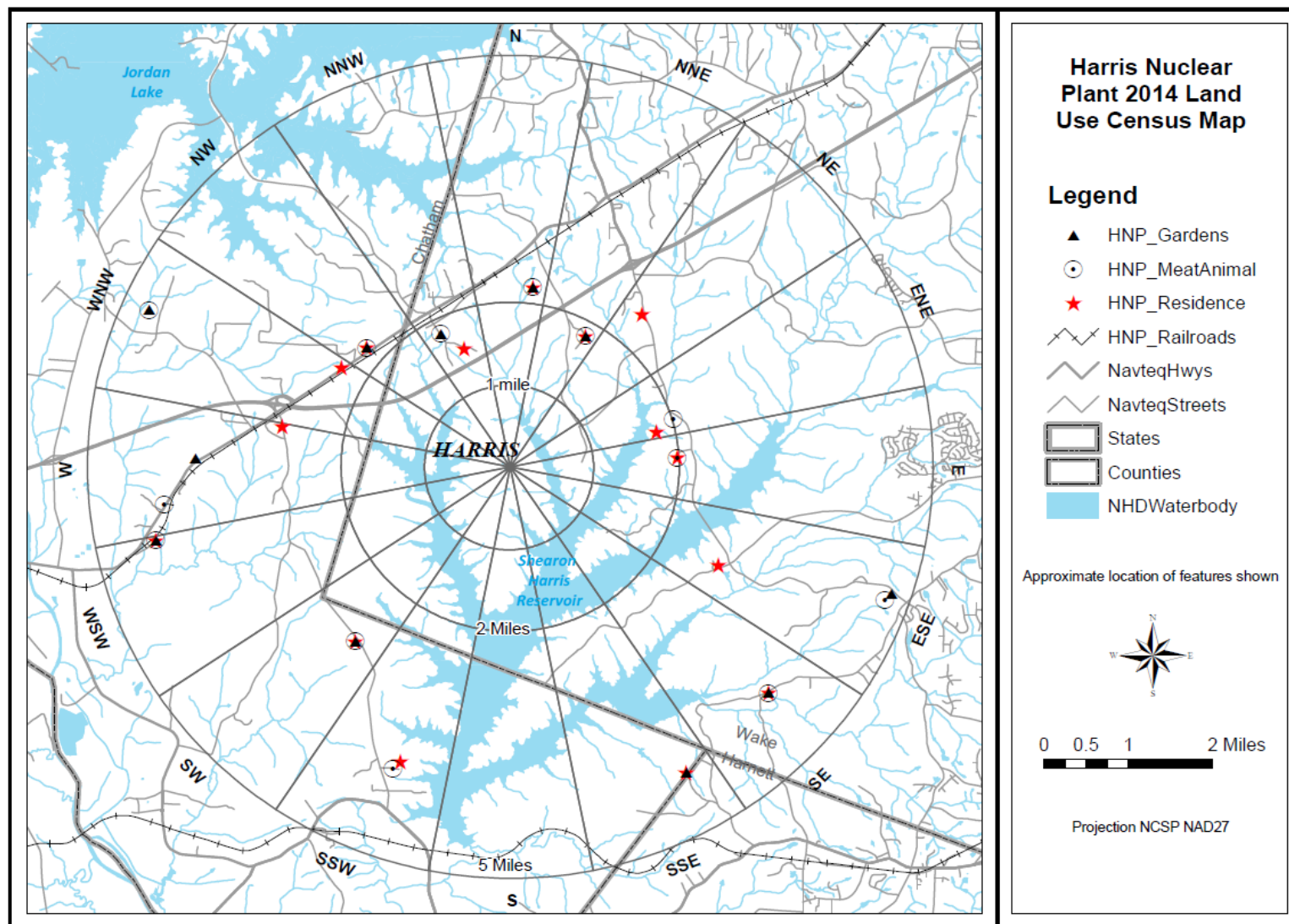
\*\* A new GPS unit was used for the 2014 LUC readings (two decimal places); therefore, no changes occurred unless indicated by “\*”.

“---“ indicates no occurrences within the 5 mile radius

Sector and distance determined by Global Positioning System.

**NOTE:** For the 2013 census, a new GPS unit was used for the readings (two decimal places) in the SE, SSE, SSW, W, and WNW sectors.

**Figure 3.12**



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## 4.0 QUALITY ASSURANCE

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### 4.1 SAMPLE COLLECTION

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

### 4.2 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's Environmental Center.

### 4.3 DOSIMETRY ANALYSIS

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

### 4.4 LABORATORY EQUIPMENT QUALITY ASSURANCE

#### 4.4.1 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.

#### 4.4.2 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 outside of the acceptable limits.

#### 4.4.3 BATCH PROCESSING

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

## **4.5 DUKE ENERGY INTERLABORATORY COMPARISON PROGRAM**

In 2014 Duke Energy Environmental Laboratory (EnRad) participated in interlaboratory programs to satisfy Radiological Environmental Monitoring Program requirements in Duke Energy nuclear plant Offsite Dose Calculation Manuals and Selected Licensee Commitments Manuals, as applicable. In addition, EnRad Laboratory participated in the Environmental Resource Associates (ERA) RadChem™ Proficiency Testing program to satisfy the North Carolina state drinking water radiochemistry certification requirements.

EnRad Laboratory participated in three interlaboratory programs: Eckert & Ziegler Analytics (EZA), ERA, and Fleet Scientific Services (FSS). EZA results were evaluated against IP 84750 acceptance criteria. ERA reported results were evaluated based on the National Environmental Laboratory Accreditation Conference (NELAC) Field of Proficiency Testing criteria. FSS results were evaluated as prescribed in the Duke Energy Nuclear Generation Procedure SRPMP 9-2.

A low-level Iodine-131 in water cross check was not performed during 2014, but was performed during 2013. A low-level Iodine-131 in milk cross check was performed during 2014. The preparation and analysis of both media (milk and water) for the low-level Iodine-131 analysis is accomplished using the EnRad procedure 54, Preparation of Samples for low-level I-131 Analysis. Low-level Iodine-131 sample preparation and testing for both media is a similar process. A low-level Iodine-131 cross check in water is scheduled for the second quarter 2015 cross check program. Low-level Iodine-131 analysis of water was not required during 2014 since the dose calculated for the consumption of the water was not greater than 1 mrem per year in any supported program (PIP G-15-00781 or CR # 744148).

### **4.5.1 DUKE ENERGY INTERCOMPARISON PROGRAM**

EnRad Laboratories participated in the Duke Energy Fleet Scientific Services (FSS) Intercomparison Program during 2014. Interlaboratory cross check samples including gamma in water (Marinelli beakers), low-level I-131 in milk, and tritium in water samples were analyzed during 2014. A summary of the EnRad Laboratory program results for 2014 is documented in Table 4.0-A.

### **4.5.2 ECKERT & ZIEGLER ANALYTICS CROSS CHECK PROGRAM**

EnRad Laboratories participated in the Eckert & Ziegler Analytics Cross Check Program during 2014. Cross check samples including air filters, air cartridges, gross beta in water, various gamma samples in Marinelli beakers (soil, vegetation, and milk), and Iodine in milk samples were analyzed at various times of the year. A summary of the EnRad Laboratory program results for 2014 is documented in Table 4.0-B.

#### **4.5.3 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 2014 is documented in Table 4.0-C.

#### **4.6 STATE OF NORTH CAROLINA INTERCOMPARISON PROGRAM**

EnRad Laboratories routinely participates with the North Carolina Department of Health and Human Services in an intercomparison program. EnRad Laboratories sends Harris Nuclear Plant Radiological Environmental Monitoring Program air, drinking water, surface water, milk, fish, food products, and shoreline sediment samples to the North Carolina Department of Health and Human Services for intercomparison analysis.

#### **4.7 TLD INTERCOMPARISON PROGRAM**

##### **4.7.1 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 2014 Nuclear Technology Services Intercomparison Report is documented in Table 4.0-D. The individual measurements were evaluated and results falling outside the acceptable ratio criteria had an evaluation performed to identify any recommended remedial actions and to reduce anomalous errors. Complete documentation of any evaluation will be available and provided to the NRC upon request.

##### **4.7.2 INTERNAL CROSS CHECK (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 2014 Internal Cross Check (Duke Energy) Result is documented in Table 4.0-D.



# TABLE 4.0-A

## DUKE ENERGY

### INTERLABORATORY COMPARISON PROGRAM

#### 2014 EnRad Fleet Scientific Services Cross Check Performance Summary

Cross check samples were distributed by Fleet Scientific Services (FSS) in accordance with Duke Energy Nuclear Generation Procedure SRPMP 9-2. Seven water samples were analyzed for tritium and gamma emitters, while three milk samples were analyzed for low-level I-131. The below table lists results for specific analyses. Fifty-eight results were evaluated as prescribed in procedure SRPMP 9-2. The acceptance criteria for the program was based on the NRC Inspection Manual Procedure 84750 (IP 84750). These results passed the acceptance criteria for the program.

Sample	Sample ID	Nuclide	Quarter	Units	EnRad Value	FSS Value	EnRad/FSS Ratio	Evaluation
Milk LLI-131	Q143LIM1	I-131	3	pCi/L	3.04E+03	2.96E+03	1.03	Agreement
			3	pCi/L	3.06E+03	2.96E+03	1.03	Agreement
			3	pCi/L	3.07E+03	2.96E+03	1.04	Agreement
	Q143LIM2	I-131	3	pCi/L	1.25E+03	1.27E+03	0.98	Agreement
			3	pCi/L	1.25E+03	1.27E+03	0.98	Agreement
			3	pCi/L	1.24E+03	1.27E+03	0.97	Agreement
	Q143LIM3	I-131	3	pCi/L	4.64E+02	4.58E+02	1.01	Agreement
			3	pCi/L	4.70E+02	4.58E+02	1.03	Agreement
Tritium in Water	Q143TWR1	H-3	3	pCi/L	1.77E+03	1.85E+03	0.96	Agreement
			3	pCi/L	1.79E+03	1.85E+03	0.97	Agreement
			3	pCi/L	1.78E+03	1.85E+03	0.96	Agreement
	Q143TWR2	H-3	3	pCi/L	1.76E+05	1.81E+05	0.97	Agreement
			3	pCi/L	1.75E+05	1.81E+05	0.96	Agreement
Tritium in Water	Q141TWR1	H-3	1	pCi/L	1.10E+03	1.05E+03	1.05	Agreement
					1.14E+03	1.05E+03	1.09	Agreement
					1.11E+03	1.05E+03	1.06	Agreement
	Q141TWR2	H-3	1	pCi/L	7.04E+03	7.46E+03	0.94	Agreement
					7.03E+03	7.46E+03	0.94	Agreement
					7.16E+03	7.46E+03	0.96	Agreement
	Q141TWR3	H-3	1	pCi/L	3.13E+03	3.21E+03	0.98	Agreement
					3.11E+03	3.21E+03	0.97	Agreement
					3.13E+03	3.21E+03	0.98	Agreement

## TABLE 4.0-A (Cont.)

Sample	Sample ID	Nuclide	Quarter	Units	EnRad Value	FSS Value	EnRad/FSS Ratio	Evaluation
Gamma in Water	Q143GWSL-1.0 L	Cr-51	3	pCi/L	1.71E+05	1.80E+05	0.95	Agreement
			3	pCi/L	1.70E+05	1.80E+05	0.95	Agreement
		Mn-54	3	pCi/L	6.34E+04	5.99E+04	1.06	Agreement
			3	pCi/L	6.35E+04	5.99E+04	1.06	Agreement
		Co-58	3	pCi/L	6.80E+04	6.89E+04	0.99	Agreement
			3	pCi/L	6.81E+04	6.89E+04	0.99	Agreement
		Fe-59	3	pCi/L	8.72E+04	8.38E+04	1.04	Agreement
			3	pCi/L	8.75E+04	8.38E+04	1.04	Agreement
		Co-60	3	pCi/L	1.27E+05	1.22E+05	1.04	Agreement
			3	pCi/L	1.26E+05	1.22E+05	1.03	Agreement
		Zn-65	3	pCi/L	3.52E+04	3.12E+04	1.13	Agreement
			3	pCi/L	3.53E+04	3.12E+04	1.13	Agreement
		Cs-134	3	pCi/L	5.97E+04	6.35E+04	0.91	Agreement
			3	pCi/L	5.95E+04	6.53E+04	0.91	Agreement
		Cs-137	3	pCi/L	8.01E+04	7.87E+04	1.02	Agreement
			3	pCi/L	7.98E+04	7.87E+04	1.01	Agreement
		Ce-141	3	pCi/L	7.13E+04	7.65E+04	0.93	Agreement
			3	pCi/L	7.24E+04	7.65E+04	0.95	Agreement
	Q143GWSL-3.5 L	Cr-51	3	pCi/L	1.76E+05	1.80E+05	0.98	Agreement
			3	pCi/L	1.73E+05	1.80E+05	0.96	Agreement
		Mn-54	3	pCi/L	6.32E+04	5.99E+04	1.06	Agreement
			3	pCi/L	6.31E+04	5.99E+04	1.05	Agreement
		Co-58	3	pCi/L	6.89E+04	6.89E+04	1.00	Agreement
			3	pCi/L	6.84E+04	6.89E+04	0.99	Agreement
		Fe-59	3	pCi/L	8.54E+04	8.38E+04	1.02	Agreement
			3	pCi/L	8.69E+04	8.38E+04	1.04	Agreement
		Co-60	3	pCi/L	1.28E+05	1.22E+05	1.05	Agreement
			3	pCi/L	1.27E+05	1.22E+05	1.04	Agreement
		Zn-65	3	pCi/L	3.42E+04	3.12E+04	1.10	Agreement
			3	pCi/L	3.45E+04	3.12E+04	1.11	Agreement
		Cs-134	3	pCi/L	6.39E+04	6.53E+04	0.98	Agreement
			3	pCi/L	6.17E+04	6.53E+04	0.95	Agreement
		Cs-137	3	pCi/L	8.11E+04	7.87E+04	1.03	Agreement
			3	pCi/L	8.08E+04	7.87E+04	1.03	Agreement
		Ce-141	3	pCi/L	7.39E+04	7.65E+04	0.97	Agreement
			3	pCi/L	7.36E+04	7.65E+04	0.96	Agreement

# TABLE 4.0-B

## ECKERT & ZIEGLER ANALYTICS

### CROSS CHECK PROGRAM

#### 2014 Cross Check Results for EnRad Laboratories

Cross check samples are received, prepared, and analyzed in all four quarters of 2014. Results are reported directly to Eckert & Ziegler Analytics. Environmental cross check samples were analyzed in replicate, and the result closest to the mean is reported to Eckert & Ziegler Analytics. The acceptance criteria for the program was based on the NRC Inspection Manual Procedure 84750 (IP 84750). Fifty environmental results were reported, of which 49 (98%) met the acceptance criteria based on IP 84750.

Sample	Sample ID	Nuclide	Quarter	Units	EnRad Value	EZA Value	EnRad/EZA Ratio	Evaluation
Beta Filter in Planchet	E10901	Gross Beta	2	pCi	201	199	1.01	Agreement
Gamma in Soil	E10904	Ce-141	2	pCi/g	0.23	0.24	0.96	Agreement
		Cr-51	2	pCi/g	0.48	0.49	0.98	Agreement
		Cs-134	2	pCi/g	0.24	0.32	0.76	Non-Agreement*
		Cs-137	2	pCi/g	0.27	0.31	0.86	Agreement
		Co-58	2	pCi/g	0.18	0.22	0.83	Agreement
		Mn-54	2	pCi/g	0.29	0.3	0.96	Agreement
		Fe-59	2	pCi/g	0.2	0.2	1.01	Agreement
		Zn-65	2	pCi/g	0.49	0.49	1.00	Agreement
		Co-60	2	pCi/g	0.41	0.44	0.94	Agreement
I-131 in Milk	E10801	I-131	1	pCi/L	93.8	99.8	0.94	Agreement
Gross Beta in Water	E10905	Gross Beta	2	pCi/L	265	249	1.06	Agreement
I-131 Charcoal Cartridge	E10802	I-131	1	pCi	76.1	75.1	1.01	Agreement
Gamma in Vegetation (Coffee Grounds)	E10902	Ce-141	2	pCi/g	0.22	0.24	0.91	Agreement
		Cr-51	2	pCi/g	0.42	0.5	0.85	Agreement
		Cs-134	2	pCi/g	0.28	0.32	0.88	Agreement
		Cs-137	2	pCi/g	0.22	0.24	0.94	Agreement
		Co-58	2	pCi/g	0.21	0.22	0.96	Agreement
		Mn-54	2	pCi/g	0.28	0.3	0.92	Agreement
		Fe-59	2	pCi/g	0.19	0.2	0.95	Agreement
		Zn-65	2	pCi/g	0.44	0.49	0.89	Agreement
		Co-60	2	pCi/g	0.38	0.44	0.87	Agreement

\* See PIP G-14-01710 or CR # 707720

## TABLE 4.0-B (Cont.)

Sample	Sample ID	Nuclide	Quarter	Units	EnRad Value	EZA Value	EnRad/EZA Ratio	Evaluation
Gamma in Composite Filter	E10987	Ce-141	3	pCi	64.1	62.6	1.02	Agreement
		Cr-51	3	pCi	135	143	0.94	Agreement
		Cs-134	3	pCi	74.6	78.3	0.95	Agreement
		Cs-137	3	pCi	97.8	95.9	1.02	Agreement
		Co-58	3	pCi	71.7	71	1.01	Agreement
		Mn-54	3	pCi	69.5	70.4	0.99	Agreement
		Fe-59	3	pCi	86.8	78.4	1.11	Agreement
		Zn-65	3	pCi	37	36.2	1.02	Agreement
		Co-60	3	pCi	161	148	1.09	Agreement
Gamma in Milk	E10800	I-131	1	pCi/L	97.3	98.5	0.99	Agreement
		Ce-141	1	pCi/L	120	119	1.01	Agreement
		Cr-51	1	pCi/L	505	491	1.03	Agreement
		Cs-134	1	pCi/L	192	210	0.92	Agreement
		Cs-137	1	pCi/L	255	253	1.01	Agreement
		Co-58	1	pCi/L	274	268	1.02	Agreement
		Mn-54	1	pCi/L	314	297	1.06	Agreement
		Fe-59	1	pCi/L	232	219	1.06	Agreement
		Zn-65	1	pCi/L	318	323	0.99	Agreement
		Co-60	1	pCi/L	335	337	0.99	Agreement
Gamma in Soil	E11051	Ce-141	4	pCi/g	0.31	0.35	0.89	Agreement
		Cr-51	4	pCi/g	0.61	0.648	0.94	Agreement
		Cs-134	4	pCi/g	0.25	0.263	0.95	Agreement
		Cs-137	4	pCi/g	0.36	0.396	0.91	Agreement
		Co-58	4	pCi/g	0.19	0.208	0.91	Agreement
		Mn-54	4	pCi/g	0.35	0.36	0.97	Agreement
		Fe-59	4	pCi/g	0.27	0.279	0.97	Agreement
		Zn-65	4	pCi/g	0.46	0.474	0.97	Agreement
		Co-60	4	pCi/g	0.34	0.375	0.91	Agreement

# TABLE 4.0-C

## ENVIRONMENTAL RESOURCE ASSOCIATES (ERA) PROFICIENCY TESTING

### 2014 Proficiency Test Results for EnRad Laboratories

North Carolina Department of Health and Human Services Laboratory Certification  
EnRad Laboratories

Proficiency test samples are received, prepared, and analyzed in second and fourth quarters of 2014. Results are reported directly to Environmental Resource Associates as described in the instruction package within the study period. Proficiency test data are reported to ERA for evaluation. The acceptance criteria for the program was based on the National Environmental Laboratory Accreditation Conference (NELAC) Field of Proficiency Testing criteria. Fourteen results were reported of which 14 (100 %) met the acceptance criteria. ERA reports proficiency test results to the North Carolina Department of Health and Human Services, North Carolina Public Drinking Water Laboratory Certification Program. This testing is to satisfy the North Carolina state drinking water radiochemistry certification requirements.

Sample	Sample ID	Nuclide	Quarter	Units	EnRad Value	ERA Value	Acceptance Limits	Evaluation
Gamma Emitters in Water	RAD-97	Ba-133	2	pCi/L	87.51	87.9	74.0 - 96.7	Agreement
		Cs-134	2	pCi/L	41.01	44.3	35.5 - 48.7	Agreement
		Cs-137	2	pCi/L	85.47	89.1	80.2 - 101	Agreement
		Co-60	2	pCi/L	62.75	64.2	57.8 - 73.1	Agreement
		Zn-65	2	pCi/L	249.8	235	212 - 275	Agreement
Gamma Emitters in Water	RAD-99	Ba-133	4	pCi/L	46.9	49.1	40.3 - 54.5	Agreement
		Cs-134	4	pCi/L	81.7	89.8	73.7 - 98.8	Agreement
		Cs-137	4	pCi/L	96.9	98.8	88.9 - 111	Agreement
		Co-60	4	pCi/L	91	92.1	82.9 - 104	Agreement
		Zn-65	4	pCi/L	335	310	279 - 362	Agreement
Tritium in Water	RAD-97	H-3	2	pCi/L	8680	8770	7610 - 9650	Agreement
	RAD-99	H-3	4	pCi/L	6290	6880	5940 - 7570	Agreement
Iodine-131 in Water	RAD-97	I-131	2	pCi/L	25.9	25.7	21.3 - 30.3	Agreement
	RAD-99	I-131	4	pCi/L	20.4	20.3	16.8 - 24.4	Agreement

# TABLE 4.0-D

## 2014 ENVIRONMENTAL DOSIMETER CROSS-CHECK RESULTS

### Nuclear Technology Services

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. The individual measurements were evaluated and results falling outside the acceptable ratio criteria had an evaluation performed to identify any recommended remedial actions and to reduce anomalous errors. Complete documentation of any evaluation will be available and provided to the NRC upon request.

1st Quarter 2014						2nd Quarter 2014					
TLD	Reported	Delivered	Bias	Pass/Fail		TLD	Reported	Delivered	Bias	Pass/Fail	
Number	(mR)	(mR)	(% diff)	Criteria	Pass/Fail	Number	(mR)	(mR)	(% diff)	Criteria	Pass/Fail
102403	93.2	90.40	3.12	<+/-15%	Pass	102196	18.07	18.66	-3.16	<+/-15%	Pass
103045	99.3	90.40	9.87	<+/-15%	Pass	102193	19.44	18.66	4.18	<+/-15%	Pass
103009	101.0	90.40	11.76	<+/-15%	Pass	102192	17.28	18.66	-7.40	<+/-15%	Pass
102243	90.3	90.40	-0.09	<+/-15%	Pass	102176	17.70	18.66	-5.14	<+/-15%	Pass
102858	97.9	90.40	8.33	<+/-15%	Pass	102175	18.66	18.66	0.00	<+/-15%	Pass
Average Bias (B)			6.60			Average Bias (B)			-2.30		
Standard Deviation (S)			4.93			Standard Deviation (S)			4.53		
Measure Performance  B +S			11.53	<15%	Pass	Measure Performance  B +S			6.83	<15%	Pass
3rd Quarter 2014						4th Quarter 2014					
TLD	Reported	Delivered	Bias	Pass/Fail		TLD	Reported	Delivered	Bias	Pass/Fail	
Number	(mR)	(mR)	(% diff)	Criteria	Pass/Fail	Number	(mR)	(mR)	(% diff)	Criteria	Pass/Fail
103705	70.04	69.7	0.49	<+/-15%	Pass	101241	84.63	77.7	8.92	<+/-15%	Pass
103704	69.36	69.7	-0.49	<+/-15%	Pass	103494	87.46	77.7	12.56	<+/-15%	Pass
103686	71.90	69.7	3.16	<+/-15%	Pass	103229	88.45	77.7	13.84	<+/-15%	Pass
103685	72.82	69.7	4.48	<+/-15%	Pass	103493	89.19	77.7	14.79	<+/-15%	Pass
103517	73.71	69.7	5.75	<+/-15%	Pass	103044	91.02	77.7	17.14	<+/-15%	**Fail
Average Bias (B)			2.68			Average Bias (B)			13.45		
Standard Deviation (S)			2.63			Standard Deviation (S)			3.04		
Measure Performance  B +S			5.31	<15%	Pass	Measure Performance  B +S			16.49	<15%	**Fail

\*\*Refer to PIP G-15-00554

# TABLE 4.0-D (Cont.)

## 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.

1st Quarter 2014						2nd Quarter 2014					
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
101221	30.14	32.7	-7.83	<+/-15%	Pass	103635	22.36	21.8	2.57	<+/-15%	Pass
102801	32.82	32.7	0.37	<+/-15%	Pass	102777	22.93	21.8	5.18	<+/-15%	Pass
100019	30.32	32.7	-7.28	<+/-15%	Pass	103181	22.78	21.8	4.50	<+/-15%	Pass
103173	32.14	32.7	-1.71	<+/-15%	Pass	103218	22.82	21.8	4.68	<+/-15%	Pass
100085	30.90	32.7	-5.50	<+/-15%	Pass	103657	22.29	21.8	2.25	<+/-15%	Pass
101024	30.92	32.7	-5.44	<+/-15%	Pass	102927	21.90	21.8	0.46	<+/-15%	Pass
100350	30.73	32.7	-6.02	<+/-15%	Pass	103396	21.54	21.8	-1.19	<+/-15%	Pass
102359	30.71	32.7	-6.09	<+/-15%	Pass	102723	22.84	21.8	4.77	<+/-15%	Pass
103174	30.26	32.7	-7.46	<+/-15%	Pass	103394	22.47	21.8	3.07	<+/-15%	Pass
101376	31.49	32.7	-3.70	<+/-15%	Pass	103058	22.36	21.8	2.57	<+/-15%	Pass
Average Bias (B)			-5.07			Average Bias (B)			2.89		
Standard Deviation (S)			2.65			Standard Deviation (S)			2.05		
Measure Performance  B +S			7.72	<15%	Pass	Measure Performance  B +S			4.93	<15%	Pass
3rd Quarter 2014						4th Quarter 2014					
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
102737	47.05	43.6	7.91	<+/-15%	Pass	102768	57.48	54.5	5.47	<+/-15%	Pass
102750	46.06	43.6	5.64	<+/-15%	Pass	103263	55.38	54.5	1.61	<+/-15%	Pass
102773	48.32	43.6	10.83	<+/-15%	Pass	103453	56.30	54.5	3.30	<+/-15%	Pass
102824	45.81	43.6	5.07	<+/-15%	Pass	102746	54.25	54.5	-0.46	<+/-15%	Pass
102397	44.38	43.6	1.79	<+/-15%	Pass	103656	56.09	54.5	2.92	<+/-15%	Pass
102832	46.37	43.6	6.35	<+/-15%	Pass	102482	53.50	54.5	-1.83	<+/-15%	Pass
102725	47.00	43.6	7.80	<+/-15%	Pass	103446	54.71	54.5	0.39	<+/-15%	Pass
102481	45.21	43.6	3.69	<+/-15%	Pass	103339	53.55	54.5	-1.74	<+/-15%	Pass
102758	45.97	43.6	5.44	<+/-15%	Pass	103582	53.97	54.5	-0.97	<+/-15%	Pass
103120	46.87	43.6	7.50	<+/-15%	Pass	103288	55.43	54.5	1.71	<+/-15%	Pass
Average Bias (B)			6.20			Average Bias (B)			1.04		
Standard Deviation (S)			2.51			Standard Deviation (S)			2.40		
Measure Performance  B +S			8.71	<15%	Pass	Measure Performance  B +S			3.44	<15%	Pass



**APPENDIX A**

**ENVIRONMENTAL SAMPLING  
&  
ANALYSIS PROCEDURES**

---

# APPENDIX A

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## **ENVIRONMENTAL SAMPLING AND ANALYSIS PROCEDURES**

Adherence to established procedures for sampling and analysis of environmental media at the Harris Nuclear Plant (HNP) was required to ensure compliance with provisions of the Nuclear Regulatory Commission's Regulatory Guide 4.8, Harris Nuclear Plant Technical Specifications, and the Harris Nuclear Plant Offsite Dose Calculation Manual (ODCM). Analytical procedures were employed to ensure that the ODCM detection capabilities were achieved.

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

This appendix describes the environmental sampling frequencies and analysis procedures by media type.

### **I. CHANGE OF SAMPLING PROCEDURES**

Control location 97 (Food Product – Granite Springs Farm, Pittsboro in the NW Sector) was added to the HNP ODCM per Revision 25 in November 2014; however, sampling actually began in July 2014 during the growing season. This control was added to the REMP when it was determined that the current Food Product Control location #5 was not going to be able supply the REMP with adequate samples to meet our requirements.

### **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, food products, aquatic vegetation, and broadleaf vegetation are ground to achieve a homogeneous mixture. Soils and sediments are dried, sifted to remove foreign objects (rocks, clams, glass, etc.), and then transferred to an 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 and water). The resin is then dried, mixed thoroughly, and a net resin weight determined before being transferred to an appropriate counting geometry and analyzed by gamma spectroscopy.

Tritium analyses are performed monthly 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 monthly by concentrating a designated aliquot of sample precipitate and analyzing it 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**

REMP analytical results reporting with 2 Sigma error was initiated during 2014, replacing the 1 Sigma error reporting (CR # 706771).

Low-level Iodine-131 (LLI-131) test components were modified to include only the LLI-131 component; all other components such as Beryllium-7 and Potassium-40 were removed (CR # 707736).

Gamma spectroscopy milk Iodine-131 MDA requirement was removed from the “GAMMAMILK” analysis as the required low-level Iodine-131 (LLI-131) requirement is satisfied by the “GAMMALLI” LLI-131 preparation and testing procedure and gamma spectroscopy analysis (CR # 721898).

The gamma spectroscopy system was replaced during 2014 (10JUL2014). Gamma spectroscopy system hardware, detector cooling apparatus, software, electronics, nuclide identification libraries, and analytical test matrix components for test matrices were modified (CR # 739995).

As of first quarter 2014, the environmental TLDs that are placed in the field for REMF are Harshaw TLDs. Panasonic TLDs were the type of environmental TLDs for REMF monitoring prior to 2014. This change was a merger initiative in order to achieve fleet standardization of the TLD program.

### **IV. SAMPLING AND ANALYSIS PROCEDURES**

#### **A.1 AIRBORNE PARTICULATE AND RADIOIODINE**

Airborne particulate and radioiodine samples at each of nine 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. A weekly gross beta analysis was performed on each filter and then the filters were composited to produce quarterly filter samples for gamma analysis. The continuous composite samples were collected from the locations listed below.

Location 1	=	2.6 miles N
Location 2	=	1.4 miles NNE
Location 4	=	3.1 miles NNE
Location 5	=	>12 miles WNW – Pittsboro (Control)
Location 26	=	4.7 miles S
Location 47	=	3.4 miles SSW
Location 63	=	0.6 miles SW
Location 90	=	0.5 miles SSW
Location 91	=	1.6 miles ENE

## **A.2 DRINKING WATER**

Weekly composite drinking water samples were collected from three locations, with aliquots going to biweekly and monthly composite samples. A low-level Iodine-131 analysis was performed on biweekly composites. Gross beta, tritium, and gamma analyses were performed on the monthly composites. The composites are collected from the locations listed below.

Location 38	=	6.2 miles WSW (Control)
Location 40	=	17.2 miles SSE Lillington
Location 51	=	Water Treatment Building (on Site)

## **A.3 SURFACE WATER**

Weekly composite surface water samples were collected from three locations, with aliquots going to biweekly and monthly composite samples. A low-level Iodine-131 analysis was performed on the biweekly composites. Gross beta, tritium, and gamma analyses were performed on the monthly composites. The composites are collected from the locations listed below.

Location 26	=	4.7 miles S
Location 38	=	6.2 miles WSW (Control)
Location 40	=	17.2 miles SSE Lillington

#### **A.4 GROUND WATER**

Grab samples were collected quarterly from ground water wells at nineteen (19) locations. A gamma analysis and tritium analysis were performed on each sample. The samples were collected from the locations listed below.

Location 57	=	0.4 miles SSW
Location 59	=	0.5 miles NNE
Location 60	=	0.5 miles ESE
Location 68	=	0.2 miles W
Location 69	=	0.2 miles NNE
Location 70	=	0.4 miles E
Location 71	=	0.3 miles SE
Location 72	=	0.2 miles SE
Location 73	=	0.2 miles S
Location 74	=	0.2 miles SSE
Location 75	=	0.1 miles ESE
Location 76	=	0.1 miles S
Location 77	=	0.4 miles S
Location 78	=	0.5 miles S
Location 79	=	0.5 miles S
Location 80	=	0.6 miles S
Location 81	=	0.6 miles S
Location 82	=	0.6 miles S
Location 83	=	1.6 miles SSW

#### **A.5 MILK**

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

Location 5	=	Manco Dairy - >12 miles WNW (Control)
------------	---	---------------------------------------

#### **A.6 BROADLEAF VEGETATION**

Monthly samples, three different species, were collected at each of three locations during the growing season, May through October. A gamma analysis was performed on each sample. The samples were collected from the locations listed below.

Location 5	=	>12 miles NNW – Pittsboro (Control)
Location 12	=	0.9 miles SSW
Location 63	=	0.6 miles SW

#### **A.7 FOOD PRODUCTS**

Monthly samples, of three different types of broadleaf vegetation, were collected when available during the growing season at two locations. A gamma analysis was performed on each sample. The samples were collected from the location listed below.

Location 5	=	>12 miles WNW – Pittsboro (Control)
Location 97	=	19.1 miles NW – Granite Springs Farm (Control)

#### **A.8 AQUATIC VEGETATION**

Annual samples were collected at each of the three locations. A gamma analysis was performed on each sample. The samples were collected from the locations listed below.

Location 26	=	4.7 miles S
Location 41	=	3.8 miles S
Location 61	=	2.5 miles E (Control)

#### **A.9 FISH**

Semiannual samples of bottom feeders (catfish) and free swimmers (sunfish and largemouth bass) were collected at each of two locations. A gamma analysis was performed on the edible portions of each sample. The samples were collected from the locations listed below.

Location 44	=	Site varies in Harris Lake
Location 45	=	Site varies in Cape Fear River above Buckhorn Dam (Control)

#### **A.10 SHORELINE SEDIMENT**

Semiannual samples were collected at each of two locations. 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 26	=	4.6 miles S
Location 41	=	3.8 miles S

#### **A.11 BOTTOM SEDIMENT**

Semiannual samples were collected from the one location. A gamma analysis was performed on each sample following the drying; the removal of rocks, clams, etc.; and grinding. The samples were collected from the location listed below.

Location 52 = 3.8 miles S

#### **A.12 DIRECT GAMMA RADIATION (TLD)**

Thermoluminescent dosimeters (TLD) were collected quarterly at forty-four locations. A gamma exposure rate was determined for each TLD. TLD locations are listed in Table 2.1-B. The TLDs were placed as indicated below.

- \* An inner ring of 21 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 at a control location.

#### **A.13 ANNUAL LAND USE CENSUS**

An Annual Land Use Census was conducted to identify within a distance of 8 kilometers (5.0 miles) from the plant, the nearest location from the site boundary in each of the sixteen meteorological sectors, the following:

- \* The Nearest Residence
- \* The Nearest Garden greater than 50 square meters or 500 square feet, producing broadleaf vegetables
- \* The Nearest Milk-giving Animal (cow, goat, etc.)
- \* The Nearest Meat Animal (beef, hogs, chickens, etc.)

The census was conducted during the growing season from 8/26 – 8/27/2014. Results are shown in Table 3.12.3. No changes were made to the sampling procedures during 2014 as a result of the 2014 census.



**APPENDIX B**

**RADIOLOGICAL  
ENVIRONMENTAL MONITORING  
PROGRAM**

**SUMMARY OF RESULTS**

**2014**

# HARRIS NUCLEAR PLANT

## RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM DATA SUMMARY

Shearon Harris Nuclear Power Plant  
Wake County, North Carolina

Docket Numbers: STN 50-400  
Calendar Year: 2014

Medium or Pathway Sampled or Measured (Unit of Measurement)	Type and Total No. of Measurements Performed	Lower Limit of Detection (LLD) <sup>(1)</sup>	All Indicator Locations Mean <sup>(2)(3)</sup> Range <sup>(2)</sup>	Location w/Highest Annual Mean <sup>(2)</sup>		Control Locations Mean <sup>(2)(3)</sup> Range <sup>(2)</sup>	No. of Non-Routine Report Meas.
				Name, Distance, and Direction	Mean <sup>(2)(3)</sup> Range <sup>(2)</sup>		
Air Particulate (pCi/m <sup>3</sup> )	Gross Beta 468 <sup>(4)</sup>	See Table 2.2-C	1.82E-2 (416/416) 6.02E-3 – 4.11E-2	Loc. # 90 0.5 miles SSW	1.86E-2 (52/52) 7.24E-3 – 3.27E-2	Loc. # 5 1.82E-2 (52/52) 9.73E-3 – 3.32E-2	0
	Gamma 36	See Table 2.2-C	All less than LLD	----	----	All less than LLD	0
Air Radioiodine (pCi/m <sup>3</sup> )	I-131 468 <sup>(4)</sup>	See Table 2.2-C	All less than LLD	----	----	All less than LLD	0
Drinking Water <sup>(4)(8)</sup> (pCi/l)	I-131 78	See Table 2.2-C	All less than LLD	----	----	All less than LLD	0
	Gross Beta 39	4	2.95E+0 (26/26) 9.35E-1 – 6.60E+0	Loc. # 40 Lillington Cape Fear River 17.2 miles SSE	3.56E+0 (13/13) 1.82E+0 – 6.60E+0	Loc. # 38 4.06E+0 (13/13) 1.70E+0 – 1.07E+1	0
	Gamma 39	See Table 2.2-C	All less than LLD	----	----	All less than LLD	0
	Tritium <sup>(5)</sup> 39	2000 <sup>(7)</sup>	4.83E+3 (13/26) 3.57E+3 – 7.17E+3	Loc. # 51 Water Treatment Building on Site	4.83E+3 (13/13) 3.57E+3 – 7.17E+3	All less than LLD	0
Surface Water <sup>(4)</sup> (pCi/l)	I-131 78	See Table 2.2-C	All less than LLD	----	----	All less than LLD	0
	Gross Beta 39	4	3.92E+0 (26/26) 1.82E+0 – 6.60E+0	Loc. # 26 Harris Lake Spillway 4.7 miles S	4.27E+0 (13/13) 3.35E+0 – 5.50E+0	Loc. # 38 4.06E+0 (13/13) 1.70E+0 – 1.07E+1	0
	Gamma 39	See Table 2.2-C	All less than LLD	----	----	All less than LLD	0
	Tritium 39	2000 <sup>(7)</sup>	5.44E+3 (13/26) 3.68E+3 – 8.79E+3	Loc. # 26 Harris Lake Spillway 4.7 miles S	5.44E+3 (13/13) 3.68E+3 – 8.79E+3	All less than LLD	0

# HARRIS NUCLEAR PLANT

## RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM DATA SUMMARY (cont.)

Shearon Harris Nuclear Power Plant  
Wake County, North Carolina

Docket Numbers: STN 50-400  
Calendar Year: 2014

Medium or Pathway Sampled or Measured (Unit of Measurement)	Type and Total No. of Measurements Performed	Lower Limit of Detection (LLD) <sup>(1)</sup>	All Indicator Locations Mean <sup>(2)(3)</sup> Range <sup>(2)</sup>	Location w/Highest Annual Mean <sup>(2)</sup>		Control Locations Mean <sup>(2)(3)</sup> Range <sup>(2)</sup>	No. of Non-Routine Report Meas.
				Name, Distance, and Direction	Mean <sup>(2)(3)</sup> Range <sup>(2)</sup>		
Ground Water (pCi/l)	Gamma 76	See Table 2.2-C	All less than LLD	-----	-----	No Control	0
	Tritium 76	2000 <sup>(7)</sup>	6.04E+2 (27/76) 2.02E+2 – 1.71E+3	Loc. # 83 On Site (BD-MW16) along Cooling Tower Blowdown line 1.6 miles SSW	1.65E+3 (4/4) 1.54E+3 – 1.71E+3	No Control	0
Milk (pCi/l)	I-131 12	See Table 2.2-C	-----	-----	-----	All less than LLD	0
	Gamma 12	See Table 2.2-C	-----	-----	-----	All less than LLD	0
Broadleaf Vegetation (pCi/kg, wet)	Gamma 54 <sup>(4)</sup> Cs-137	See Table 2.2-C	4.77E+0 (1/36) Single Value	Loc. # 12 0.9 miles SSW	4.77E+0 (1/18) Single Value	Loc. # 5 2.20E+1 (1/18) Single Value	0
Food Products/Crops (pCi/kg, wet)	Gamma 19 <sup>(4)</sup>	See Table 2.2-C	All less than LLD	-----	-----	All less than LLD	0
Aquatic Vegetation (pCi/kg, wet)	Gamma 3	See Table 2.2-C	All less than LLD	-----	-----	All less than LLD	0
Fish Bottom-Feeders (pCi/kg, wet)	Gamma 4	See Table 2.2-C	All less than LLD	-----	-----	All less than LLD	0
Fish Free-Swimmers (pCi/kg, wet)	Gamma 8	See Table 2.2-C	All less than LLD	-----	-----	All less than LLD	0
Sediments -- Shoreline (pCi/kg, dry)	Gamma 4	See Table 2.2-C	All less than LLD	-----	-----	No Control	0

**HARRIS NUCLEAR PLANT**  
**RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM DATA SUMMARY (cont.)**

Shearon Harris Nuclear Plant  
Wake County, North Carolina

Docket Numbers: STN 50-400  
Calendar Year: 2014

Medium or Pathway Sampled or Measured (Unit of Measurement)	Type and Total No. of Measurements Performed	Lower Limit of Detection (LLD) <sup>(1)</sup>	All Indicator Locations Mean <sup>(2)(3)</sup> Range <sup>(2)</sup>	Location w/Highest Annual Mean <sup>(2)</sup>		Control Locations Mean <sup>(2)(3)</sup> Range <sup>(2)</sup>	No. of Non-Routine Report Meas.
				Name, Distance, and Direction	Mean <sup>(2)(3)</sup> Range <sup>(2)</sup>		
Sediments -- Bottom (pCi/kg, dry)	Gamma 2 Co-58	See Table 2.2-C	2.01E+1 (1/2) Single Value	Loc. # 52 Harris Lake Cooling Tower Mixing Zone 3.8 miles S	2.01E+1 (1/2) Single Value	No Control	0
	Co-60	See Table 2.2-C	4.31E+2 (2/2) 7.68E+1 – 7.86E+2	Loc. # 52 Harris Lake Cooling Tower Mixing Zone 3.8 miles S	4.31E+2 (2/2) 7.68E+1 – 7.86E+2	No Control	0
	Cs-137	See Table 2.2-C	1.26E+2 (2/2) 3.39E+1 – 2.18E+2	Loc. # 52 Harris Lake Cooling Tower Mixing Zone 3.8 miles S	1.26E+2 (2/2) 3.39E+1 – 2.18E+2	No Control	0
Direct Radiation (TLD) (mR per quarter) <sup>(6)</sup>	TLD Readout 173 <sup>(4)</sup>	-----	1.46E+1 (169/169) 9.12E+0 – 2.43E+1	Loc. # 49 2.5 miles NE	1.86E+1 (4/4) 1.64E+1 – 2.22E+1	Loc. # 5 1.82E+1 (4/4) 1.66E+1 – 2.05E+1	0

## Footnotes to Appendix B

1. The Lower Limit of Detection (LLD) is the smallest concentration of radioactive material in a sample that will yield a net count above system background which will be detected with 95 percent probability and with only 5 percent probability of falsely concluding that a blank observation represents a "real" signal. Due to counting statistics and varying volumes, occasionally lower LLDs are achieved. Refer to Section 2.3.2 for an explanation of how LLD values were derived.
2. Mean and range are based on detectable measurements only.
3. The fractions of all samples with detectable activities at specific locations are indicated in parentheses.
4. Missing samples or surveillances are discussed in Appendix C or Appendix D.
5. Although quarterly composite samples are required, monthly composite samples are used to provide more frequent and sensitive analyses.
6. TLD exposure is reported in milliroentgen (mR) per standard quarter (91 days).
7. Tritium Lower Limit of Detection (LLD) is approximately  $2.50\text{E}+2$  pCi/L for samples that typically demonstrate activity less than the LLD. The LLD was lowered in order to maintain comparable LLD and result values with the NC Division of Radiation Protection (NCDRP) Laboratory.
8. Drinking Water 51 (DW-51) has been included, as of 2009, in the Data Summary even though it does not meet the EPA (Environmental Protection Agency) definition of a public drinking water supply.

**APPENDIX C**

**SAMPLING DEVIATIONS**

**&**

**UNAVAILABLE ANALYSES**

# APPENDIX C

## HARRIS NUCLEAR PLANT SAMPLING DEVIATIONS & UNAVAILABLE ANALYSES

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

### C.1 SAMPLING DEVIATIONS

#### Air Particulate and Air Radioiodines

Any REMP weekly air samples (Air Cartridge – AC or Air Radioiodine – AR) that experience any downtime during a surveillance period will be reported as a Deviation and will be classified as a “Sampling Deviation”. However, the sample will be counted and the data reported, whereas a Deviation with no available sample will be classified as an “Unavailable Analyses” and will not have any data reported. The air samplers operated for a total of 99.8% availability in 2014.

Location	Scheduled Collection Dates	Code	Description & Action to Prevent Recurrence	Corrective Action
26	12/30/13 – 1/6/14	PI	5.4 hours of downtime due to high winds.	CR # 651081
47	12/30/13 – 1/6/14	PI	5.4 hours of downtime due to high winds.	CR # 654084
1	1/6/14 – 1/13/14	PI	10.67 hours of downtime due to severe thunderstorms with high winds and tornado warnings.	CR # 655586
4	1/6/14 – 1/13/14	PI	18.88 hours of downtime due to severe thunderstorms with high winds and tornado warnings.	CR # 655598
26	1/6/14 – 1/13/14	PI	21.32 hours of downtime due to severe thunderstorms with high winds and tornado warnings.	CR # 655600
47	1/6/14 – 1/13/14	PI	21.32 hours of downtime due to severe thunderstorms with high winds and tornado warnings.	CR # 655601
1	2/10/14 – 2/17/14	PI	3.4 hours of downtime due to snowstorm with ice.	CR # 669803
4	2/10/14 – 2/17/14	PI	3.3 hours of downtime due to snowstorm with ice.	CR # 669804
63	5/12/14 – 5/19/14	PI	4.3 hours of downtime due to severe thunderstorms with high winds.	CR # 688577
90	5/12/14 – 5/19/14	PI	4.3 hours of downtime due to severe thunderstorms with high winds.	CR # 688583
91	5/19/14 – 5/27/14	PO	72.03 hours of downtime due to a tripped breaker.	CR # 689793
5	7/7/14 – 7/14/14	PI	0.51 hours of downtime due to thunderstorms in the area.	CR # 699420
5	7/14/14 – 7/21/14	PI	0.65 hours of downtime due to thunderstorms in the area.	CR # 699436
91	7/21/14 – 7/28/14	PI	2.57 hours of downtime due to thunderstorms in the area.	CR # 700911
5	9/2/14 – 9/8/14	PI	0.36 hours of downtime due to thunderstorms in the area.	CR # 707574



## C.2 UNAVAILABLE ANALYSES

### Food Products / Crops

Location	Scheduled Collection Dates	Code	Description & Action to Prevent Recurrence	Corrective Action
5	January 2014	SU	Seasonally unavailable – nothing planted	CR # 655290
5	February 2014	SU	Seasonally unavailable – nothing planted	CR # 675743
5	March 2014	SU	Seasonally unavailable – nothing planted	CR # 675743
5	April 2014	SU	Seasonally unavailable – nothing planted	CR # 682350
5	May 2014	SU	Seasonally unavailable due to insufficient growing time.	CR # 687253
5	June 2014	SU	Seasonally unavailable due to insufficient growing time.	CR # 692137
5	September 2014	SU	Unavailable due to crops plowed up and nothing replanted.	CR # 708533
5	October 2014	SU	Unavailable due to crops plowed up and nothing replanted.	CR # 713473
5	November 2014	SU	Unavailable due to crops plowed up and nothing replanted.	CR # 708037
5	December	SU	Unavailable due to crops plowed up and nothing replanted.	CR # 723991
97	September 2014	SU	1 out of 3 food products / crops was unavailable for sampling.	CR # 708534

### Milk / Broadleaf Vegetation

Location	Scheduled Collection Dates	Code	Description & Action to Prevent Recurrence	Corrective Action
96	1/1/14 – 12/31/14	OT	Humbag Farm (Goats) ceased operation in 2013 – No Milk samples have been collected since the operation was ceased.	CR # 604191

### TLD

Location	Scheduled Collection Dates	Code	Description & Action to Prevent Recurrence	Corrective Action
27	1/9/14 – 4/9/14 (1 <sup>st</sup> Qtr. 2014)	CN	TLD missing in field due to tree removal in area near right-of-way clean-up.	CR # 681321
35	4/9/14 – 7/9/14 (2 <sup>nd</sup> Qtr. 2014)	VN	TLD was missing in the field due to vandalism.	CR # 697384
34	10/8/14 – 1/7/15 (4 <sup>th</sup> Qtr. 2014)	VN	TLD was missing in the field due to vandalism.	CR # 726446

# **APPENDIX D**

## **ANALYTICAL DEVIATIONS**

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# APPENDIX D

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## HARRIS NUCLEAR PLANT

### ANALYTICAL DEVIATIONS

No Analytical deviations were incurred for the 2014 HNP Radiological Environmental Monitoring Program.

# **APPENDIX E**

## **RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM RESULTS**

### **2014**

This appendix includes sample analysis report summaries and supportive data generated from each sample medium for 2014.

# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1 [ INDICATOR - N @ 2.6 miles ]

Sample ID:	280668	Sample Dates:	12/30/2013 - 1/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.44E-02	2.36E-03	6.65E-03
Sample ID:	280841	Sample Dates:	1/6/2014 - 1/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.81E-02	2.63E-03	7.18E-03
Sample ID:	281200	Sample Dates:	1/13/2014 - 1/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.29E-02	2.36E-03	6.76E-03
Sample ID:	281521	Sample Dates:	1/20/2014 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.58E-02	2.38E-03	6.52E-03
Sample ID:	282144	Sample Dates:	1/27/2014 - 2/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.63E-02	2.43E-03	6.67E-03
Sample ID:	282956	Sample Dates:	2/3/2014 - 2/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.20E-02	1.27E-03	3.12E-03
Sample ID:	283403	Sample Dates:	2/10/2014 - 2/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.32E-02	1.55E-03	3.27E-03
Sample ID:	284570	Sample Dates:	2/17/2014 - 2/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.70E-02	1.44E-03	3.37E-03
Sample ID:	285131	Sample Dates:	2/24/2014 - 3/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.25E-02	1.51E-03	3.08E-03
Sample ID:	285736	Sample Dates:	3/3/2014 - 3/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.73E-02	1.36E-03	2.93E-03
Sample ID:	286240	Sample Dates:	3/10/2014 - 3/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.62E-02	1.36E-03	3.04E-03
Sample ID:	287125	Sample Dates:	3/17/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	6.02E-03	1.12E-03	3.23E-03
Sample ID:	288376	Sample Dates:	3/24/2014 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.46E-02	1.33E-03	3.11E-03
Sample ID:	289017	Sample Dates:	12/30/2013 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<3.55E-04	0.00E+00	3.55E-04
				Cs-137	<3.88E-04	0.00E+00	3.88E-04
				Be-7	1.24E-01	7.07E-03	6.16E-03
				K-40	1.49E-02	2.39E-03	4.62E-03
Sample ID:	289100	Sample Dates:	3/31/2014 - 4/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.71E-02	1.42E-03	3.23E-03
Sample ID:	289486	Sample Dates:	4/7/2014 - 4/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.65E-02	1.39E-03	3.15E-03
Sample ID:	289896	Sample Dates:	4/14/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.91E-02	1.41E-03	2.99E-03
Sample ID:	291501	Sample Dates:	4/21/2014 - 4/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.90E-02	1.38E-03	2.80E-03
Sample ID:	292795	Sample Dates:	4/28/2014 - 5/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.05E-02	1.16E-03	2.81E-03
Sample ID:	293057	Sample Dates:	5/5/2014 - 5/12/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.32E-02	1.55E-03	3.16E-03
Sample ID:	294688	Sample Dates:	5/12/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.10E-02	1.46E-03	3.00E-03
Sample ID:	295197	Sample Dates:	5/19/2014 - 5/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.75E-02	1.25E-03	2.59E-03
Sample ID:	295458	Sample Dates:	5/27/2014 - 6/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.59E-02	1.50E-03	3.54E-03

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1 [ INDICATOR - N @ 2.6 miles ]

Sample ID:	295973	Sample Dates:	6/2/2014 - 6/9/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.61E-02	1.40E-03	3.26E-03
Sample ID:	296218	Sample Dates:	6/9/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.65E-02	1.33E-03	2.87E-03
Sample ID:	296739	Sample Dates:	6/16/2014 - 6/23/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.92E-02	1.44E-03	3.10E-03
Sample ID:	296966	Sample Dates:	6/23/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.34E-02	1.33E-03	3.24E-03
Sample ID:	297281	Sample Dates:	3/31/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<5.51E-04	0.00E+00	5.51E-04
				Cs-137	<6.83E-04	0.00E+00	6.83E-04
				Be-7	1.35E-01	2.62E-02	2.16E-02
				K-40	1.97E-02	1.06E-02	1.34E-02
Sample ID:	297363	Sample Dates:	6/30/2014 - 7/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.68E-02	2.64E-03	2.92E-03
Sample ID:	297651	Sample Dates:	7/7/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.83E-02	2.76E-03	3.04E-03
Sample ID:	298187	Sample Dates:	7/14/2014 - 7/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.60E-02	2.56E-03	2.80E-03
Sample ID:	350170	Sample Dates:	7/21/2014 - 7/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.64E-02	2.67E-03	3.05E-03
Sample ID:	350911	Sample Dates:	7/28/2014 - 8/4/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.26E-02	2.36E-03	2.73E-03
Sample ID:	351157	Sample Dates:	8/4/2014 - 8/11/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.89E-02	3.07E-03	2.55E-03
Sample ID:	351523	Sample Dates:	8/11/2014 - 8/18/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.04E-02	2.82E-03	2.94E-03
Sample ID:	353386	Sample Dates:	8/18/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.93E-02	2.82E-03	3.07E-03
Sample ID:	353957	Sample Dates:	8/25/2014 - 9/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.99E-02	2.43E-03	2.20E-03
Sample ID:	354403	Sample Dates:	9/2/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.07E-02	2.71E-03	3.60E-03
Sample ID:	354714	Sample Dates:	9/8/2014 - 9/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	8.61E-03	2.19E-03	2.89E-03
Sample ID:	355073	Sample Dates:	9/15/2014 - 9/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	3.15E-02	3.33E-03	3.09E-03
Sample ID:	355579	Sample Dates:	9/22/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.32E-02	2.40E-03	2.76E-03
Sample ID:	355588	Sample Dates:	6/30/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<1.79E-04	0.00E+00	1.79E-04
				Cs-137	<6.84E-04	0.00E+00	6.84E-04
				Be-7	1.07E-01	2.18E-02	1.50E-02
				K-40	1.27E-02	7.36E-03	6.72E-03
Sample ID:	356428	Sample Dates:	9/29/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.71E-02	3.07E-03	2.85E-03
Sample ID:	356996	Sample Dates:	10/6/2014 - 10/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.30E-02	3.00E-03	3.13E-03
Sample ID:	357992	Sample Dates:	10/13/2014 - 10/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.53E-02	2.47E-03	2.68E-03

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1 [ INDICATOR - N @ 2.6 miles ]

Sample ID:	358613	Sample Dates:	10/20/2014 - 10/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.52E-02	2.52E-03	2.81E-03
Sample ID:	359216	Sample Dates:	10/27/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.21E-02	2.95E-03	3.11E-03
Sample ID:	359978	Sample Dates:	11/3/2014 - 11/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.33E-02	2.96E-03	2.98E-03
Sample ID:	360665	Sample Dates:	11/10/2014 - 11/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.22E-02	2.98E-03	3.20E-03
Sample ID:	361531	Sample Dates:	11/17/2014 - 11/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.68E-02	3.10E-03	2.99E-03
Sample ID:	361915	Sample Dates:	11/24/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.68E-02	2.64E-03	2.95E-03
Sample ID:	362731	Sample Dates:	12/1/2014 - 12/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.07E-02	2.80E-03	2.98E-03
Sample ID:	363476	Sample Dates:	12/8/2014 - 12/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.93E-02	2.74E-03	2.87E-03
Sample ID:	363927	Sample Dates:	12/15/2014 - 12/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.18E-02	2.92E-03	3.07E-03
Sample ID:	364449	Sample Dates:	12/22/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.42E-02	2.52E-03	2.94E-03
Sample ID:	364458	Sample Dates:	9/29/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<7.20E-04	0.00E+00	7.20E-04
				Cs-137	<7.50E-04	0.00E+00	7.50E-04
				Be-7	1.02E-01	2.21E-02	2.00E-02
				K-40	<2.00E-02	0.00E+00	2.00E-02

Sample Point 2 [ INDICATOR - NNE @ 1.4 miles ]

Sample ID:	280669	Sample Dates:	12/30/2013 - 1/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.27E-02	2.34E-03	6.73E-03
Sample ID:	280842	Sample Dates:	1/6/2014 - 1/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.97E-02	2.56E-03	6.79E-03
Sample ID:	281201	Sample Dates:	1/13/2014 - 1/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.20E-02	2.31E-03	6.68E-03
Sample ID:	281522	Sample Dates:	1/20/2014 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.81E-02	2.43E-03	6.45E-03
Sample ID:	282145	Sample Dates:	1/27/2014 - 2/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.46E-02	2.36E-03	6.60E-03
Sample ID:	282957	Sample Dates:	2/3/2014 - 2/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.29E-02	1.20E-03	2.84E-03
Sample ID:	283404	Sample Dates:	2/10/2014 - 2/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.87E-02	1.45E-03	3.27E-03
Sample ID:	284571	Sample Dates:	2/17/2014 - 2/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.64E-02	1.43E-03	3.37E-03
Sample ID:	285132	Sample Dates:	2/24/2014 - 3/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.53E-02	1.57E-03	3.08E-03
Sample ID:	285737	Sample Dates:	3/3/2014 - 3/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.56E-02	1.32E-03	2.93E-03
Sample ID:	286241	Sample Dates:	3/10/2014 - 3/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.72E-02	1.38E-03	3.05E-03
Sample ID:	287126	Sample Dates:	3/17/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.23E-02	1.30E-03	3.24E-03

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 2 [ INDICATOR - NNE @ 1.4 miles ]

Sample ID:	288377	Sample Dates:	3/24/2014 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.35E-02	1.30E-03	3.11E-03
Sample ID:	289053	Sample Dates:	12/30/2013 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<3.25E-04	0.00E+00	3.25E-04
				Cs-137	<3.72E-04	0.00E+00	3.72E-04
				Be-7	1.34E-01	6.20E-03	6.11E-03
				K-40	8.54E-03	2.50E-03	4.47E-03
Sample ID:	289101	Sample Dates:	3/31/2014 - 4/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.51E-02	1.37E-03	3.22E-03
Sample ID:	289487	Sample Dates:	4/7/2014 - 4/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.75E-02	1.42E-03	3.19E-03
Sample ID:	289897	Sample Dates:	4/14/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.92E-02	1.42E-03	2.99E-03
Sample ID:	291502	Sample Dates:	4/21/2014 - 4/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.05E-02	1.42E-03	2.81E-03
Sample ID:	292796	Sample Dates:	4/28/2014 - 5/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.66E-02	1.30E-03	2.75E-03
Sample ID:	293058	Sample Dates:	5/5/2014 - 5/12/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.59E-02	1.61E-03	3.18E-03
Sample ID:	294689	Sample Dates:	5/12/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.21E-02	1.49E-03	3.01E-03
Sample ID:	295198	Sample Dates:	5/19/2014 - 5/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.02E-02	1.32E-03	2.60E-03
Sample ID:	295459	Sample Dates:	5/27/2014 - 6/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.19E-02	1.66E-03	3.55E-03
Sample ID:	295974	Sample Dates:	6/2/2014 - 6/9/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.78E-02	1.44E-03	3.28E-03
Sample ID:	296219	Sample Dates:	6/9/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.61E-02	1.32E-03	2.87E-03
Sample ID:	296740	Sample Dates:	6/16/2014 - 6/23/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.53E-02	1.38E-03	3.19E-03
Sample ID:	296967	Sample Dates:	6/23/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.72E-02	1.43E-03	3.25E-03
Sample ID:	297317	Sample Dates:	3/31/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<5.06E-04	0.00E+00	5.06E-04
				Cs-137	<8.73E-04	0.00E+00	8.73E-04
				Be-7	1.42E-01	3.48E-02	3.15E-02
				K-40	1.04E-02	7.89E-03	4.01E-03
Sample ID:	297364	Sample Dates:	6/30/2014 - 7/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.82E-02	2.72E-03	2.96E-03
Sample ID:	297652	Sample Dates:	7/7/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.06E-02	2.89E-03	3.07E-03
Sample ID:	298188	Sample Dates:	7/14/2014 - 7/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.75E-02	2.63E-03	2.80E-03
Sample ID:	350171	Sample Dates:	7/21/2014 - 7/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.50E-02	2.60E-03	3.05E-03
Sample ID:	350912	Sample Dates:	7/28/2014 - 8/4/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.28E-02	2.36E-03	2.73E-03
Sample ID:	351158	Sample Dates:	8/4/2014 - 8/11/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.80E-02	3.03E-03	2.55E-03

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.





# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 2 [ INDICATOR - NNE @ 1.4 miles ]

Sample ID:	351524	Sample Dates:	8/11/2014 - 8/18/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.16E-02	2.87E-03	2.94E-03
Sample ID:	353387	Sample Dates:	8/18/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.89E-02	2.80E-03	3.07E-03
Sample ID:	353959	Sample Dates:	8/25/2014 - 9/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.77E-02	2.33E-03	2.20E-03
Sample ID:	354404	Sample Dates:	9/2/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	9.20E-03	2.62E-03	3.61E-03
Sample ID:	354715	Sample Dates:	9/8/2014 - 9/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.06E-02	2.31E-03	2.89E-03
Sample ID:	355077	Sample Dates:	9/15/2014 - 9/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.55E-02	3.09E-03	3.09E-03
Sample ID:	355580	Sample Dates:	9/22/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.30E-02	2.39E-03	2.77E-03
Sample ID:	355589	Sample Dates:	6/30/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<6.29E-04	0.00E+00	6.29E-04
				Cs-137	<7.01E-04	0.00E+00	7.01E-04
				Be-7	1.11E-01	2.41E-02	2.14E-02
				K-40	<1.95E-02	0.00E+00	1.95E-02
Sample ID:	356429	Sample Dates:	9/29/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.20E-02	2.86E-03	2.85E-03
Sample ID:	356997	Sample Dates:	10/6/2014 - 10/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.16E-02	2.94E-03	3.13E-03
Sample ID:	357993	Sample Dates:	10/13/2014 - 10/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.50E-02	2.46E-03	2.68E-03
Sample ID:	358614	Sample Dates:	10/20/2014 - 10/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.31E-02	2.40E-03	2.81E-03
Sample ID:	359217	Sample Dates:	10/27/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.97E-02	2.84E-03	3.11E-03
Sample ID:	359979	Sample Dates:	11/3/2014 - 11/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.09E-02	2.85E-03	2.98E-03
Sample ID:	360666	Sample Dates:	11/10/2014 - 11/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.13E-02	2.94E-03	3.20E-03
Sample ID:	361532	Sample Dates:	11/17/2014 - 11/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.28E-02	2.94E-03	2.99E-03
Sample ID:	361916	Sample Dates:	11/24/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.97E-02	2.78E-03	2.95E-03
Sample ID:	362732	Sample Dates:	12/1/2014 - 12/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.70E-02	2.72E-03	3.12E-03
Sample ID:	363477	Sample Dates:	12/8/2014 - 12/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.00E-02	2.77E-03	2.87E-03
Sample ID:	363928	Sample Dates:	12/15/2014 - 12/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.17E-02	2.92E-03	3.06E-03
Sample ID:	364450	Sample Dates:	12/22/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.36E-02	2.48E-03	2.94E-03
Sample ID:	364459	Sample Dates:	9/29/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<7.89E-04	0.00E+00	7.89E-04
				Cs-137	<6.83E-04	0.00E+00	6.83E-04
				Be-7	8.62E-02	1.99E-02	1.86E-02
				K-40	<1.51E-02	0.00E+00	1.51E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 4 [ INDICATOR - NNE @ 3.1 miles ]

Sample ID:	280672	Sample Dates:	12/30/2013 - 1/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.54E-02	2.26E-03	6.21E-03
Sample ID:	280845	Sample Dates:	1/6/2014 - 1/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.91E-02	2.63E-03	7.05E-03
Sample ID:	281204	Sample Dates:	1/13/2014 - 1/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.43E-02	2.24E-03	6.19E-03
Sample ID:	281525	Sample Dates:	1/20/2014 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.70E-02	2.25E-03	5.97E-03
Sample ID:	282148	Sample Dates:	1/27/2014 - 2/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.61E-02	2.26E-03	6.10E-03
Sample ID:	282960	Sample Dates:	2/3/2014 - 2/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.24E-02	1.28E-03	3.12E-03
Sample ID:	283407	Sample Dates:	2/10/2014 - 2/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.17E-02	1.51E-03	3.27E-03
Sample ID:	284573	Sample Dates:	2/17/2014 - 2/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.65E-02	1.43E-03	3.37E-03
Sample ID:	285134	Sample Dates:	2/24/2014 - 3/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.36E-02	1.54E-03	3.08E-03
Sample ID:	285739	Sample Dates:	3/3/2014 - 3/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.00E-02	1.42E-03	2.93E-03
Sample ID:	286243	Sample Dates:	3/10/2014 - 3/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.81E-02	1.41E-03	3.05E-03
Sample ID:	287128	Sample Dates:	3/17/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.15E-02	1.28E-03	3.24E-03
Sample ID:	288379	Sample Dates:	3/24/2014 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.28E-02	1.28E-03	3.11E-03
Sample ID:	289009	Sample Dates:	12/30/2013 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<3.90E-04	0.00E+00	3.90E-04
				Cs-137	<4.20E-04	0.00E+00	4.20E-04
				Be-7	1.43E-01	7.10E-03	5.93E-03
				K-40	1.50E-02	2.38E-03	5.34E-03
Sample ID:	289103	Sample Dates:	3/31/2014 - 4/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.67E-02	1.41E-03	3.22E-03
Sample ID:	289489	Sample Dates:	4/7/2014 - 4/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.72E-02	1.41E-03	3.18E-03
Sample ID:	289899	Sample Dates:	4/14/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.77E-02	1.38E-03	2.99E-03
Sample ID:	291504	Sample Dates:	4/21/2014 - 4/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.91E-02	1.38E-03	2.80E-03
Sample ID:	292798	Sample Dates:	4/28/2014 - 5/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.46E-02	1.27E-03	2.82E-03
Sample ID:	293060	Sample Dates:	5/5/2014 - 5/12/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.50E-02	1.58E-03	3.16E-03
Sample ID:	294691	Sample Dates:	5/12/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.12E-02	1.47E-03	3.00E-03
Sample ID:	295200	Sample Dates:	5/19/2014 - 5/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.02E-02	1.31E-03	2.60E-03
Sample ID:	295461	Sample Dates:	5/27/2014 - 6/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.60E-02	1.51E-03	3.55E-03

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 4 [ INDICATOR - NNE @ 3.1 miles ]

Sample ID:	295976	Sample Dates:	6/2/2014 - 6/9/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.53E-02	1.39E-03	3.29E-03
Sample ID:	296221	Sample Dates:	6/9/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.81E-02	1.38E-03	2.89E-03
Sample ID:	296742	Sample Dates:	6/16/2014 - 6/23/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.90E-02	1.44E-03	3.14E-03
Sample ID:	296969	Sample Dates:	6/23/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.54E-02	1.38E-03	3.25E-03
Sample ID:	297273	Sample Dates:	3/31/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<5.25E-04	0.00E+00	5.25E-04
				Cs-137	<1.80E-04	0.00E+00	1.80E-04
				Be-7	1.38E-01	2.90E-02	1.82E-02
				K-40	<1.85E-02	0.00E+00	1.85E-02
Sample ID:	297366	Sample Dates:	6/30/2014 - 7/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.93E-02	2.76E-03	2.93E-03
Sample ID:	297654	Sample Dates:	7/7/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.02E-02	2.85E-03	3.05E-03
Sample ID:	298190	Sample Dates:	7/14/2014 - 7/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.56E-02	2.54E-03	2.80E-03
Sample ID:	350173	Sample Dates:	7/21/2014 - 7/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.58E-02	2.65E-03	3.06E-03
Sample ID:	350914	Sample Dates:	7/28/2014 - 8/4/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.15E-02	2.29E-03	2.73E-03
Sample ID:	351160	Sample Dates:	8/4/2014 - 8/11/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.66E-02	2.97E-03	2.56E-03
Sample ID:	351526	Sample Dates:	8/11/2014 - 8/18/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.64E-02	2.63E-03	2.94E-03
Sample ID:	353389	Sample Dates:	8/18/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.18E-02	2.94E-03	3.08E-03
Sample ID:	353965	Sample Dates:	8/25/2014 - 9/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.13E-02	2.50E-03	2.20E-03
Sample ID:	354406	Sample Dates:	9/2/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.01E-02	2.68E-03	3.61E-03
Sample ID:	354717	Sample Dates:	9/8/2014 - 9/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.09E-02	2.33E-03	2.89E-03
Sample ID:	355082	Sample Dates:	9/15/2014 - 9/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	3.26E-02	3.38E-03	3.10E-03
Sample ID:	355582	Sample Dates:	9/22/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.25E-02	2.36E-03	2.76E-03
Sample ID:	355591	Sample Dates:	6/30/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<1.23E-03	0.00E+00	1.23E-03
				Cs-137	<5.75E-04	0.00E+00	5.75E-04
				Be-7	1.12E-01	2.57E-02	2.62E-02
				K-40	1.04E-02	9.92E-03	1.52E-02
Sample ID:	356431	Sample Dates:	9/29/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.61E-02	3.03E-03	2.85E-03
Sample ID:	356999	Sample Dates:	10/6/2014 - 10/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.31E-02	3.00E-03	3.13E-03
Sample ID:	357995	Sample Dates:	10/13/2014 - 10/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.63E-02	2.52E-03	2.68E-03

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



## HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 4 [ INDICATOR - NNE @ 3.1 miles ]

Sample ID:	358616	Sample Dates:	10/20/2014 - 10/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.68E-02	2.60E-03	2.81E-03
Sample ID:	359220	Sample Dates:	10/27/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.25E-02	2.97E-03	3.11E-03
Sample ID:	359981	Sample Dates:	11/3/2014 - 11/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.63E-02	3.08E-03	2.98E-03
Sample ID:	360668	Sample Dates:	11/10/2014 - 11/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.81E-02	2.80E-03	3.20E-03
Sample ID:	361534	Sample Dates:	11/17/2014 - 11/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.46E-02	3.02E-03	2.99E-03
Sample ID:	361918	Sample Dates:	11/24/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.66E-02	2.63E-03	2.95E-03
Sample ID:	362734	Sample Dates:	12/1/2014 - 12/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.47E-02	3.06E-03	3.12E-03
Sample ID:	363479	Sample Dates:	12/8/2014 - 12/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.98E-02	2.76E-03	2.87E-03
Sample ID:	363930	Sample Dates:	12/15/2014 - 12/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.49E-02	3.05E-03	3.07E-03
Sample ID:	364452	Sample Dates:	12/22/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.60E-02	2.60E-03	2.94E-03
Sample ID:	364461	Sample Dates:	9/29/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<8.81E-04	0.00E+00	8.81E-04
				Cs-137	<8.47E-04	0.00E+00	8.47E-04
				Be-7	1.15E-01	2.20E-02	1.42E-02
				K-40	<2.11E-02	0.00E+00	2.11E-02

### Sample Point 5 [ CONTROL - WNW @ 12 miles ]

Sample ID:	280674	Sample Dates:	12/30/2013 - 1/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.24E-02	2.46E-03	7.18E-03
Sample ID:	280847	Sample Dates:	1/6/2014 - 1/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.34E-02	2.51E-03	7.22E-03
Sample ID:	281206	Sample Dates:	1/13/2014 - 1/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.07E-02	2.40E-03	7.12E-03
Sample ID:	281527	Sample Dates:	1/20/2014 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.73E-02	2.53E-03	6.89E-03
Sample ID:	282150	Sample Dates:	1/27/2014 - 2/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.36E-02	2.47E-03	7.05E-03
Sample ID:	282962	Sample Dates:	2/3/2014 - 2/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.47E-02	1.34E-03	3.13E-03
Sample ID:	283409	Sample Dates:	2/10/2014 - 2/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.01E-02	1.48E-03	3.27E-03
Sample ID:	284575	Sample Dates:	2/17/2014 - 2/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.49E-02	1.39E-03	3.37E-03
Sample ID:	285136	Sample Dates:	2/24/2014 - 3/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.01E-02	1.46E-03	3.06E-03
Sample ID:	285741	Sample Dates:	3/3/2014 - 3/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.39E-02	1.28E-03	2.95E-03
Sample ID:	286245	Sample Dates:	3/10/2014 - 3/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.82E-02	1.41E-03	3.05E-03
Sample ID:	287130	Sample Dates:	3/17/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.15E-02	1.28E-03	3.24E-03

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 5 [ CONTROL - WNW @ 12 miles ]

Sample ID:	288381	Sample Dates:	3/24/2014 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.32E-02	1.29E-03	3.11E-03
Sample ID:	289011	Sample Dates:	12/30/2013 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<4.55E-04	0.00E+00	4.55E-04
				Cs-137	<3.60E-04	0.00E+00	3.60E-04
				Be-7	1.33E-01	7.42E-03	7.65E-03
				K-40	1.09E-02	2.73E-03	3.95E-03
Sample ID:	289105	Sample Dates:	3/31/2014 - 4/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.46E-02	1.35E-03	3.22E-03
Sample ID:	289491	Sample Dates:	4/7/2014 - 4/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.62E-02	1.39E-03	3.19E-03
Sample ID:	289901	Sample Dates:	4/14/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.92E-02	1.43E-03	3.02E-03
Sample ID:	291506	Sample Dates:	4/21/2014 - 4/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.93E-02	1.39E-03	2.81E-03
Sample ID:	292800	Sample Dates:	4/28/2014 - 5/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.62E-02	1.31E-03	2.82E-03
Sample ID:	293062	Sample Dates:	5/5/2014 - 5/12/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.23E-02	1.53E-03	3.18E-03
Sample ID:	294693	Sample Dates:	5/12/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.95E-02	1.42E-03	2.99E-03
Sample ID:	295202	Sample Dates:	5/19/2014 - 5/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.15E-02	1.34E-03	2.60E-03
Sample ID:	295463	Sample Dates:	5/27/2014 - 6/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.65E-02	1.52E-03	3.54E-03
Sample ID:	295978	Sample Dates:	6/2/2014 - 6/9/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.52E-02	1.36E-03	3.23E-03
Sample ID:	296223	Sample Dates:	6/9/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.69E-02	1.35E-03	2.89E-03
Sample ID:	296744	Sample Dates:	6/16/2014 - 6/23/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.99E-02	1.46E-03	3.10E-03
Sample ID:	296971	Sample Dates:	6/23/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.64E-02	1.40E-03	3.24E-03
Sample ID:	297275	Sample Dates:	3/31/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<6.40E-04	0.00E+00	6.40E-04
				Cs-137	<8.73E-04	0.00E+00	8.73E-04
				Be-7	1.21E-01	3.22E-02	3.03E-02
				K-40	1.23E-02	9.30E-03	9.86E-03
Sample ID:	297368	Sample Dates:	6/30/2014 - 7/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.56E-02	2.59E-03	2.93E-03
Sample ID:	297656	Sample Dates:	7/7/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.12E-02	2.84E-03	2.90E-03
Sample ID:	298192	Sample Dates:	7/14/2014 - 7/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.29E-02	2.40E-03	2.81E-03
Sample ID:	350175	Sample Dates:	7/21/2014 - 7/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.59E-02	2.65E-03	3.05E-03
Sample ID:	350916	Sample Dates:	7/28/2014 - 8/4/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.42E-02	2.44E-03	2.73E-03
Sample ID:	351162	Sample Dates:	8/4/2014 - 8/11/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.55E-02	2.91E-03	2.54E-03

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 5 [ CONTROL - WNW @ 12 miles ]

Sample ID:	351528	Sample Dates:	8/11/2014 - 8/18/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.03E-02	2.83E-03	2.97E-03
Sample ID:	353391	Sample Dates:	8/18/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.02E-02	2.86E-03	3.07E-03
Sample ID:	353971	Sample Dates:	8/25/2014 - 9/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.15E-02	2.51E-03	2.20E-03
Sample ID:	354408	Sample Dates:	9/2/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.18E-02	2.76E-03	3.61E-03
Sample ID:	354719	Sample Dates:	9/8/2014 - 9/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	9.73E-03	2.26E-03	2.89E-03
Sample ID:	355086	Sample Dates:	9/15/2014 - 9/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	3.32E-02	3.40E-03	3.10E-03
Sample ID:	355584	Sample Dates:	9/22/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.15E-02	2.30E-03	2.76E-03
Sample ID:	355593	Sample Dates:	6/30/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<7.14E-04	0.00E+00	7.14E-04
				Cs-137	<7.36E-04	0.00E+00	7.36E-04
				Be-7	1.27E-01	2.34E-02	1.13E-02
				K-40	<1.71E-02	0.00E+00	1.71E-02
Sample ID:	356434	Sample Dates:	9/29/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.87E-02	3.15E-03	2.86E-03
Sample ID:	357001	Sample Dates:	10/6/2014 - 10/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.13E-02	2.93E-03	3.13E-03
Sample ID:	357997	Sample Dates:	10/13/2014 - 10/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.48E-02	2.45E-03	2.68E-03
Sample ID:	358618	Sample Dates:	10/20/2014 - 10/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.52E-02	2.53E-03	2.82E-03
Sample ID:	359224	Sample Dates:	10/27/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.51E-02	3.08E-03	3.11E-03
Sample ID:	359983	Sample Dates:	11/3/2014 - 11/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.60E-02	3.08E-03	2.99E-03
Sample ID:	360670	Sample Dates:	11/10/2014 - 11/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.61E-02	3.15E-03	3.20E-03
Sample ID:	361536	Sample Dates:	11/17/2014 - 11/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.43E-02	3.00E-03	2.99E-03
Sample ID:	361920	Sample Dates:	11/24/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.89E-02	2.75E-03	2.95E-03
Sample ID:	362736	Sample Dates:	12/1/2014 - 12/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.61E-02	3.12E-03	3.12E-03
Sample ID:	363481	Sample Dates:	12/8/2014 - 12/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.07E-02	2.80E-03	2.87E-03
Sample ID:	363932	Sample Dates:	12/15/2014 - 12/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.17E-02	2.91E-03	3.06E-03
Sample ID:	364454	Sample Dates:	12/22/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.90E-02	2.75E-03	2.95E-03
Sample ID:	364463	Sample Dates:	9/29/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<9.27E-04	0.00E+00	9.27E-04
				Cs-137	<7.83E-04	0.00E+00	7.83E-04
				Be-7	1.33E-01	2.36E-02	1.36E-02
				K-40	<1.98E-02	0.00E+00	1.98E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 26 [ INDICATOR - S @ 4.7 miles ]

Sample ID:	280670	Sample Dates:	12/30/2013 - 1/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.31E-02	2.35E-03	6.72E-03
Sample ID:	280843	Sample Dates:	1/6/2014 - 1/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.30E-02	2.57E-03	7.49E-03
Sample ID:	281202	Sample Dates:	1/13/2014 - 1/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.11E-02	2.23E-03	6.48E-03
Sample ID:	281523	Sample Dates:	1/20/2014 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.80E-02	2.37E-03	6.27E-03
Sample ID:	282146	Sample Dates:	1/27/2014 - 2/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.09E-02	2.46E-03	6.38E-03
Sample ID:	282958	Sample Dates:	2/3/2014 - 2/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.35E-02	1.23E-03	2.86E-03
Sample ID:	283405	Sample Dates:	2/10/2014 - 2/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.33E-02	1.55E-03	3.26E-03
Sample ID:	284572	Sample Dates:	2/17/2014 - 2/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.55E-02	1.40E-03	3.36E-03
Sample ID:	285133	Sample Dates:	2/24/2014 - 3/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.90E-02	1.43E-03	3.06E-03
Sample ID:	285738	Sample Dates:	3/3/2014 - 3/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.79E-02	1.38E-03	2.94E-03
Sample ID:	286242	Sample Dates:	3/10/2014 - 3/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.69E-02	1.38E-03	3.05E-03
Sample ID:	287127	Sample Dates:	3/17/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.16E-02	1.27E-03	3.21E-03
Sample ID:	288378	Sample Dates:	3/24/2014 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.64E-02	1.38E-03	3.14E-03
Sample ID:	289008	Sample Dates:	12/30/2013 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<3.55E-04	0.00E+00	3.55E-04
				Cs-137	<5.02E-04	0.00E+00	5.02E-04
				Be-7	1.28E-01	8.15E-03	8.47E-03
				K-40	1.10E-02	3.53E-03	5.70E-03
Sample ID:	289102	Sample Dates:	3/31/2014 - 4/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.66E-02	1.40E-03	3.21E-03
Sample ID:	289488	Sample Dates:	4/7/2014 - 4/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.79E-02	1.42E-03	3.16E-03
Sample ID:	289898	Sample Dates:	4/14/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.82E-02	1.40E-03	3.01E-03
Sample ID:	291503	Sample Dates:	4/21/2014 - 4/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.93E-02	1.38E-03	2.79E-03
Sample ID:	292797	Sample Dates:	4/28/2014 - 5/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.67E-02	1.32E-03	2.81E-03
Sample ID:	293059	Sample Dates:	5/5/2014 - 5/12/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.37E-02	1.57E-03	3.20E-03
Sample ID:	294690	Sample Dates:	5/12/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.22E-02	1.48E-03	2.97E-03
Sample ID:	295199	Sample Dates:	5/19/2014 - 5/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.82E-02	1.27E-03	2.59E-03
Sample ID:	295460	Sample Dates:	5/27/2014 - 6/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.70E-02	1.53E-03	3.52E-03

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.





# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 26 [ INDICATOR - S @ 4.7 miles ]

Sample ID:	295975	Sample Dates:	6/2/2014 - 6/9/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.62E-02	1.37E-03	3.19E-03
Sample ID:	296220	Sample Dates:	6/9/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.58E-02	1.33E-03	2.93E-03
Sample ID:	296741	Sample Dates:	6/16/2014 - 6/23/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.06E-02	1.47E-03	3.10E-03
Sample ID:	296968	Sample Dates:	6/23/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.06E-02	1.49E-03	3.22E-03
Sample ID:	297272	Sample Dates:	3/31/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<5.85E-04	0.00E+00	5.85E-04
				Cs-137	<6.27E-04	0.00E+00	6.27E-04
				Be-7	1.54E-01	3.24E-02	3.16E-02
				K-40	1.12E-02	7.86E-03	9.89E-03
Sample ID:	297365	Sample Dates:	6/30/2014 - 7/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.71E-02	2.65E-03	2.92E-03
Sample ID:	297653	Sample Dates:	7/7/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.67E-02	2.67E-03	3.03E-03
Sample ID:	298189	Sample Dates:	7/14/2014 - 7/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.65E-02	2.59E-03	2.82E-03
Sample ID:	350172	Sample Dates:	7/21/2014 - 7/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.71E-02	2.70E-03	3.04E-03
Sample ID:	350913	Sample Dates:	7/28/2014 - 8/4/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.36E-02	2.39E-03	2.71E-03
Sample ID:	351159	Sample Dates:	8/4/2014 - 8/11/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.74E-02	2.97E-03	2.51E-03
Sample ID:	351525	Sample Dates:	8/11/2014 - 8/18/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.00E-02	2.84E-03	3.00E-03
Sample ID:	353388	Sample Dates:	8/18/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.08E-02	2.89E-03	3.08E-03
Sample ID:	353961	Sample Dates:	8/25/2014 - 9/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.95E-02	2.41E-03	2.19E-03
Sample ID:	354405	Sample Dates:	9/2/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	8.54E-03	2.59E-03	3.63E-03
Sample ID:	354716	Sample Dates:	9/8/2014 - 9/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.08E-02	2.30E-03	2.86E-03
Sample ID:	355079	Sample Dates:	9/15/2014 - 9/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.74E-02	3.19E-03	3.13E-03
Sample ID:	355581	Sample Dates:	9/22/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.16E-02	2.30E-03	2.75E-03
Sample ID:	355590	Sample Dates:	6/30/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<7.29E-04	0.00E+00	7.29E-04
				Cs-137	<8.48E-04	0.00E+00	8.48E-04
				Be-7	1.20E-01	2.41E-02	1.83E-02
				K-40	1.73E-02	9.65E-03	1.11E-02
Sample ID:	356430	Sample Dates:	9/29/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.59E-02	3.02E-03	2.83E-03
Sample ID:	356998	Sample Dates:	10/6/2014 - 10/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.46E-02	3.05E-03	3.11E-03
Sample ID:	357994	Sample Dates:	10/13/2014 - 10/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.44E-02	2.45E-03	2.71E-03

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.





# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 26 [ INDICATOR - S @ 4.7 miles ]

Sample ID:	358615	Sample Dates:	10/20/2014 - 10/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.85E-02	2.68E-03	2.80E-03
Sample ID:	359218	Sample Dates:	10/27/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.38E-02	3.02E-03	3.10E-03
Sample ID:	359980	Sample Dates:	11/3/2014 - 11/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.41E-02	2.98E-03	2.97E-03
Sample ID:	360667	Sample Dates:	11/10/2014 - 11/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.19E-02	2.98E-03	3.22E-03
Sample ID:	361533	Sample Dates:	11/17/2014 - 11/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.67E-02	3.09E-03	2.98E-03
Sample ID:	361917	Sample Dates:	11/24/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.84E-02	2.72E-03	2.95E-03
Sample ID:	362733	Sample Dates:	12/1/2014 - 12/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.20E-02	2.85E-03	2.97E-03
Sample ID:	363478	Sample Dates:	12/8/2014 - 12/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.03E-02	2.78E-03	2.86E-03
Sample ID:	363929	Sample Dates:	12/15/2014 - 12/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.28E-02	2.97E-03	3.07E-03
Sample ID:	364451	Sample Dates:	12/22/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.15E-02	2.37E-03	2.93E-03
Sample ID:	364460	Sample Dates:	9/29/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<5.83E-04	0.00E+00	5.83E-04
				Cs-137	<5.35E-04	0.00E+00	5.35E-04
				Be-7	1.06E-01	1.64E-02	9.98E-03
				K-40	1.53E-02	7.47E-03	9.61E-03

## Sample Point 47 [ INDICATOR - SSW @ 3.4 miles ]

Sample ID:	280673	Sample Dates:	12/30/2013 - 1/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.52E-02	2.45E-03	6.86E-03
Sample ID:	280846	Sample Dates:	1/6/2014 - 1/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	9.65E-03	2.51E-03	7.64E-03
Sample ID:	281205	Sample Dates:	1/13/2014 - 1/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	7.31E-03	2.15E-03	6.63E-03
Sample ID:	281526	Sample Dates:	1/20/2014 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.52E-02	2.33E-03	6.41E-03
Sample ID:	282149	Sample Dates:	1/27/2014 - 2/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.58E-02	2.37E-03	6.52E-03
Sample ID:	282961	Sample Dates:	2/3/2014 - 2/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.42E-02	1.33E-03	3.14E-03
Sample ID:	283408	Sample Dates:	2/10/2014 - 2/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.98E-02	1.47E-03	3.26E-03
Sample ID:	284574	Sample Dates:	2/17/2014 - 2/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.06E-02	1.28E-03	3.36E-03
Sample ID:	285135	Sample Dates:	2/24/2014 - 3/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.98E-02	1.45E-03	3.06E-03
Sample ID:	285740	Sample Dates:	3/3/2014 - 3/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.76E-02	1.37E-03	2.94E-03
Sample ID:	286244	Sample Dates:	3/10/2014 - 3/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.81E-02	1.41E-03	3.05E-03
Sample ID:	287129	Sample Dates:	3/17/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	9.87E-03	1.23E-03	3.21E-03

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 47 [ INDICATOR - SSW @ 3.4 miles ]

Sample ID:	288380	Sample Dates:	3/24/2014 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.37E-02	1.31E-03	3.14E-03
Sample ID:	289010	Sample Dates:	12/30/2013 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<3.70E-04	0.00E+00	3.70E-04
				Cs-137	<4.35E-04	0.00E+00	4.35E-04
				Be-7	1.21E-01	6.40E-03	5.95E-03
				K-40	1.57E-02	2.45E-03	4.15E-03
Sample ID:	289104	Sample Dates:	3/31/2014 - 4/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.58E-02	1.38E-03	3.20E-03
Sample ID:	289490	Sample Dates:	4/7/2014 - 4/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.64E-02	1.38E-03	3.15E-03
Sample ID:	289900	Sample Dates:	4/14/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.68E-02	1.36E-03	3.00E-03
Sample ID:	291505	Sample Dates:	4/21/2014 - 4/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.57E-02	1.29E-03	2.78E-03
Sample ID:	292799	Sample Dates:	4/28/2014 - 5/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.55E-02	1.29E-03	2.81E-03
Sample ID:	293061	Sample Dates:	5/5/2014 - 5/12/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.40E-02	1.57E-03	3.20E-03
Sample ID:	294692	Sample Dates:	5/12/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.11E-02	1.46E-03	2.97E-03
Sample ID:	295201	Sample Dates:	5/19/2014 - 5/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.82E-02	1.27E-03	2.60E-03
Sample ID:	295462	Sample Dates:	5/27/2014 - 6/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.64E-02	1.51E-03	3.52E-03
Sample ID:	295977	Sample Dates:	6/2/2014 - 6/9/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.62E-02	1.38E-03	3.19E-03
Sample ID:	296222	Sample Dates:	6/9/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.62E-02	1.34E-03	2.93E-03
Sample ID:	296743	Sample Dates:	6/16/2014 - 6/23/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.02E-02	1.46E-03	3.10E-03
Sample ID:	296970	Sample Dates:	6/23/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.63E-02	1.39E-03	3.22E-03
Sample ID:	297274	Sample Dates:	3/31/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<5.50E-04	0.00E+00	5.50E-04
				Cs-137	<9.70E-04	0.00E+00	9.70E-04
				Be-7	1.37E-01	2.80E-02	2.16E-02
				K-40	8.17E-03	9.13E-03	1.45E-02
Sample ID:	297367	Sample Dates:	6/30/2014 - 7/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.53E-02	2.56E-03	2.92E-03
Sample ID:	297655	Sample Dates:	7/7/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.81E-02	2.74E-03	3.03E-03
Sample ID:	298191	Sample Dates:	7/14/2014 - 7/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.52E-02	2.53E-03	2.82E-03
Sample ID:	350174	Sample Dates:	7/21/2014 - 7/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.44E-02	2.56E-03	3.04E-03
Sample ID:	350915	Sample Dates:	7/28/2014 - 8/4/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.31E-02	2.37E-03	2.71E-03
Sample ID:	351161	Sample Dates:	8/4/2014 - 8/11/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.49E-02	2.86E-03	2.49E-03

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 47 [ INDICATOR - SSW @ 3.4 miles ]

Sample ID:	351527	Sample Dates:	8/11/2014 - 8/18/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.84E-02	2.77E-03	3.00E-03
Sample ID:	353390	Sample Dates:	8/18/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.01E-02	2.86E-03	3.09E-03
Sample ID:	353968	Sample Dates:	8/25/2014 - 9/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.94E-02	2.40E-03	2.19E-03
Sample ID:	354407	Sample Dates:	9/2/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.16E-02	2.77E-03	3.63E-03
Sample ID:	354718	Sample Dates:	9/8/2014 - 9/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.08E-02	2.30E-03	2.86E-03
Sample ID:	355084	Sample Dates:	9/15/2014 - 9/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.65E-02	3.15E-03	3.13E-03
Sample ID:	355583	Sample Dates:	9/22/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.43E-02	2.44E-03	2.75E-03
Sample ID:	355592	Sample Dates:	6/30/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<7.29E-04	0.00E+00	7.29E-04
				Cs-137	<7.01E-04	0.00E+00	7.01E-04
				Be-7	8.99E-02	2.43E-02	2.80E-02
				K-40	<1.66E-02	0.00E+00	1.66E-02
Sample ID:	356432	Sample Dates:	9/29/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.43E-02	2.94E-03	2.83E-03
Sample ID:	357000	Sample Dates:	10/6/2014 - 10/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.39E-02	3.02E-03	3.11E-03
Sample ID:	357996	Sample Dates:	10/13/2014 - 10/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.47E-02	2.46E-03	2.71E-03
Sample ID:	358617	Sample Dates:	10/20/2014 - 10/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.64E-02	2.57E-03	2.81E-03
Sample ID:	359222	Sample Dates:	10/27/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.30E-02	2.98E-03	3.11E-03
Sample ID:	359982	Sample Dates:	11/3/2014 - 11/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.07E-02	2.84E-03	2.97E-03
Sample ID:	360669	Sample Dates:	11/10/2014 - 11/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.09E-02	2.94E-03	3.22E-03
Sample ID:	361535	Sample Dates:	11/17/2014 - 11/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.35E-02	2.96E-03	2.98E-03
Sample ID:	361919	Sample Dates:	11/24/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.78E-02	2.69E-03	2.95E-03
Sample ID:	362735	Sample Dates:	12/1/2014 - 12/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.03E-02	2.88E-03	3.12E-03
Sample ID:	363480	Sample Dates:	12/8/2014 - 12/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.16E-02	2.84E-03	2.86E-03
Sample ID:	363931	Sample Dates:	12/15/2014 - 12/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.86E-02	2.78E-03	3.07E-03
Sample ID:	364453	Sample Dates:	12/22/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.42E-02	2.50E-03	2.93E-03
Sample ID:	364462	Sample Dates:	9/29/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<9.47E-04	0.00E+00	9.47E-04
				Cs-137	<7.00E-04	0.00E+00	7.00E-04
				Be-7	1.04E-01	2.16E-02	1.74E-02
				K-40	8.73E-03	6.73E-03	8.36E-03

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 63 [ INDICATOR - SW @ 0.6 miles ]

Sample ID:	280675	Sample Dates:	12/30/2013 - 1/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.43E-02	2.29E-03	6.40E-03
Sample ID:	280848	Sample Dates:	1/6/2014 - 1/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.40E-02	2.29E-03	6.40E-03
Sample ID:	281207	Sample Dates:	1/13/2014 - 1/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.20E-02	2.21E-03	6.34E-03
Sample ID:	281528	Sample Dates:	1/20/2014 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.58E-02	2.25E-03	6.09E-03
Sample ID:	282151	Sample Dates:	1/27/2014 - 2/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.98E-02	2.43E-03	6.35E-03
Sample ID:	282963	Sample Dates:	2/3/2014 - 2/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.49E-02	1.33E-03	3.07E-03
Sample ID:	283410	Sample Dates:	2/10/2014 - 2/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.30E-02	1.54E-03	3.27E-03
Sample ID:	284576	Sample Dates:	2/17/2014 - 2/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.64E-02	1.43E-03	3.37E-03
Sample ID:	285137	Sample Dates:	2/24/2014 - 3/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.21E-02	1.51E-03	3.09E-03
Sample ID:	285742	Sample Dates:	3/3/2014 - 3/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.82E-02	1.38E-03	2.92E-03
Sample ID:	286246	Sample Dates:	3/10/2014 - 3/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.62E-02	1.36E-03	3.05E-03
Sample ID:	287131	Sample Dates:	3/17/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.21E-02	1.29E-03	3.23E-03
Sample ID:	288382	Sample Dates:	3/24/2014 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.28E-02	1.28E-03	3.11E-03
Sample ID:	289012	Sample Dates:	12/30/2013 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<3.63E-04	0.00E+00	3.63E-04
				Cs-137	<3.30E-04	0.00E+00	3.30E-04
				Be-7	1.41E-01	6.16E-03	6.01E-03
				K-40	2.15E-02	2.95E-03	4.32E-03
Sample ID:	289106	Sample Dates:	3/31/2014 - 4/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.02E-02	1.49E-03	3.22E-03
Sample ID:	289492	Sample Dates:	4/7/2014 - 4/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.84E-02	1.45E-03	3.22E-03
Sample ID:	289902	Sample Dates:	4/14/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.83E-02	1.40E-03	2.99E-03
Sample ID:	291507	Sample Dates:	4/21/2014 - 4/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.48E-02	1.27E-03	2.79E-03
Sample ID:	292801	Sample Dates:	4/28/2014 - 5/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.70E-02	1.33E-03	2.82E-03
Sample ID:	293063	Sample Dates:	5/5/2014 - 5/12/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.34E-02	1.55E-03	3.17E-03
Sample ID:	294694	Sample Dates:	5/12/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.55E-02	1.33E-03	2.98E-03
Sample ID:	295203	Sample Dates:	5/19/2014 - 5/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.94E-02	1.30E-03	2.60E-03
Sample ID:	295464	Sample Dates:	5/27/2014 - 6/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.91E-02	1.59E-03	3.55E-03

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



## HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 63 [ INDICATOR - SW @ 0.6 miles ]

Sample ID:	295979	Sample Dates:	6/2/2014 - 6/9/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.78E-02	1.44E-03	3.26E-03
Sample ID:	296224	Sample Dates:	6/9/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.89E-02	1.39E-03	2.87E-03
Sample ID:	296745	Sample Dates:	6/16/2014 - 6/23/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.11E-02	1.48E-03	3.10E-03
Sample ID:	296972	Sample Dates:	6/23/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.78E-02	1.43E-03	3.24E-03
Sample ID:	297276	Sample Dates:	3/31/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<4.19E-04	0.00E+00	4.19E-04
				Cs-137	<4.39E-04	0.00E+00	4.39E-04
				Be-7	1.45E-01	2.46E-02	6.40E-03
				K-40	<1.08E-02	0.00E+00	1.08E-02
Sample ID:	297369	Sample Dates:	6/30/2014 - 7/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.33E-02	2.95E-03	2.93E-03
Sample ID:	297657	Sample Dates:	7/7/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.85E-02	2.76E-03	3.03E-03
Sample ID:	298193	Sample Dates:	7/14/2014 - 7/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.83E-02	2.67E-03	2.81E-03
Sample ID:	350176	Sample Dates:	7/21/2014 - 7/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.14E-02	2.41E-03	3.04E-03
Sample ID:	350917	Sample Dates:	7/28/2014 - 8/4/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.28E-02	2.37E-03	2.73E-03
Sample ID:	351163	Sample Dates:	8/4/2014 - 8/11/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.64E-02	2.96E-03	2.56E-03
Sample ID:	351530	Sample Dates:	8/11/2014 - 8/18/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.20E-02	2.91E-03	2.98E-03
Sample ID:	353392	Sample Dates:	8/18/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.21E-02	2.92E-03	3.04E-03
Sample ID:	353975	Sample Dates:	8/25/2014 - 9/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.01E-02	2.41E-03	2.16E-03
Sample ID:	354409	Sample Dates:	9/2/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.22E-02	2.77E-03	3.60E-03
Sample ID:	354720	Sample Dates:	9/8/2014 - 9/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.09E-02	2.32E-03	2.89E-03
Sample ID:	355088	Sample Dates:	9/15/2014 - 9/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	3.06E-02	3.30E-03	3.10E-03
Sample ID:	355585	Sample Dates:	9/22/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.35E-02	2.41E-03	2.76E-03
Sample ID:	355594	Sample Dates:	6/30/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<6.28E-04	0.00E+00	6.28E-04
				Cs-137	<3.92E-04	0.00E+00	3.92E-04
				Be-7	1.05E-01	2.40E-02	2.30E-02
				K-40	<1.59E-02	0.00E+00	1.59E-02
Sample ID:	356442	Sample Dates:	9/29/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.85E-02	3.14E-03	2.85E-03
Sample ID:	357002	Sample Dates:	10/6/2014 - 10/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.15E-02	2.93E-03	3.13E-03
Sample ID:	357998	Sample Dates:	10/13/2014 - 10/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.68E-02	2.55E-03	2.68E-03

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 63 [ INDICATOR - SW @ 0.6 miles ]

Sample ID:	358619	Sample Dates:	10/20/2014 - 10/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.67E-02	2.60E-03	2.82E-03
Sample ID:	359226	Sample Dates:	10/27/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.00E-02	2.86E-03	3.12E-03
Sample ID:	359984	Sample Dates:	11/3/2014 - 11/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.11E-02	2.86E-03	2.97E-03
Sample ID:	360671	Sample Dates:	11/10/2014 - 11/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.19E-02	2.97E-03	3.20E-03
Sample ID:	361537	Sample Dates:	11/17/2014 - 11/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.07E-02	2.85E-03	2.99E-03
Sample ID:	361921	Sample Dates:	11/24/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.62E-02	2.62E-03	2.95E-03
Sample ID:	362737	Sample Dates:	12/1/2014 - 12/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.38E-02	3.03E-03	3.12E-03
Sample ID:	363482	Sample Dates:	12/8/2014 - 12/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.76E-02	2.66E-03	2.86E-03
Sample ID:	363933	Sample Dates:	12/15/2014 - 12/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.09E-02	2.89E-03	3.07E-03
Sample ID:	364455	Sample Dates:	12/22/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.33E-02	2.46E-03	2.93E-03
Sample ID:	364464	Sample Dates:	9/29/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<8.61E-04	0.00E+00	8.61E-04
				Cs-137	<6.83E-04	0.00E+00	6.83E-04
				Be-7	9.90E-02	2.18E-02	2.06E-02
				K-40	<1.58E-02	0.00E+00	1.58E-02

## Sample Point 90 [ INDICATOR - SSW @ 0.5 miles ]

Sample ID:	280676	Sample Dates:	12/30/2013 - 1/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	9.25E-03	2.32E-03	7.04E-03
Sample ID:	280849	Sample Dates:	1/6/2014 - 1/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.12E-02	2.40E-03	7.07E-03
Sample ID:	281208	Sample Dates:	1/13/2014 - 1/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.20E-02	2.40E-03	6.99E-03
Sample ID:	281529	Sample Dates:	1/20/2014 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.87E-02	2.52E-03	6.72E-03
Sample ID:	282152	Sample Dates:	1/27/2014 - 2/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.64E-02	2.52E-03	7.00E-03
Sample ID:	282964	Sample Dates:	2/3/2014 - 2/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.45E-02	1.32E-03	3.07E-03
Sample ID:	283411	Sample Dates:	2/10/2014 - 2/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.05E-02	1.49E-03	3.27E-03
Sample ID:	284577	Sample Dates:	2/17/2014 - 2/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.42E-02	1.37E-03	3.37E-03
Sample ID:	285139	Sample Dates:	2/24/2014 - 3/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.34E-02	1.54E-03	3.09E-03
Sample ID:	285743	Sample Dates:	3/3/2014 - 3/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.72E-02	1.36E-03	2.95E-03
Sample ID:	286247	Sample Dates:	3/10/2014 - 3/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.51E-02	1.33E-03	3.05E-03
Sample ID:	287132	Sample Dates:	3/17/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	8.99E-03	1.21E-03	3.24E-03

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 90 [ INDICATOR - SSW @ 0.5 miles ]

Sample ID:	288383	Sample Dates:	3/24/2014 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.47E-02	1.33E-03	3.11E-03
Sample ID:	289013	Sample Dates:	12/30/2013 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<3.59E-04	0.00E+00	3.59E-04
				Cs-137	<3.57E-04	0.00E+00	3.57E-04
				Be-7	1.50E-01	6.06E-03	5.42E-03
				K-40	2.65E-02	2.71E-03	3.53E-03
Sample ID:	289107	Sample Dates:	3/31/2014 - 4/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.43E-02	1.35E-03	3.21E-03
Sample ID:	289493	Sample Dates:	4/7/2014 - 4/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.85E-02	1.45E-03	3.22E-03
Sample ID:	289903	Sample Dates:	4/14/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.66E-02	1.35E-03	2.98E-03
Sample ID:	291508	Sample Dates:	4/21/2014 - 4/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.83E-02	1.36E-03	2.80E-03
Sample ID:	292802	Sample Dates:	4/28/2014 - 5/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.87E-02	1.35E-03	2.75E-03
Sample ID:	293064	Sample Dates:	5/5/2014 - 5/12/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.44E-02	1.57E-03	3.17E-03
Sample ID:	294695	Sample Dates:	5/12/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.97E-02	1.43E-03	2.99E-03
Sample ID:	295204	Sample Dates:	5/19/2014 - 5/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.93E-02	1.29E-03	2.60E-03
Sample ID:	295465	Sample Dates:	5/27/2014 - 6/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.89E-02	1.58E-03	3.54E-03
Sample ID:	295980	Sample Dates:	6/2/2014 - 6/9/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.49E-02	1.37E-03	3.26E-03
Sample ID:	296225	Sample Dates:	6/9/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.71E-02	1.35E-03	2.87E-03
Sample ID:	296746	Sample Dates:	6/16/2014 - 6/23/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.07E-02	1.47E-03	3.10E-03
Sample ID:	296973	Sample Dates:	6/23/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.89E-02	1.46E-03	3.24E-03
Sample ID:	297277	Sample Dates:	3/31/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<8.26E-04	0.00E+00	8.26E-04
				Cs-137	<8.71E-04	0.00E+00	8.71E-04
				Be-7	1.53E-01	3.47E-02	2.65E-02
				K-40	<2.35E-02	0.00E+00	2.35E-02
Sample ID:	297370	Sample Dates:	6/30/2014 - 7/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.01E-02	2.80E-03	2.93E-03
Sample ID:	297658	Sample Dates:	7/7/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.03E-02	2.84E-03	3.03E-03
Sample ID:	298194	Sample Dates:	7/14/2014 - 7/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.78E-02	2.64E-03	2.80E-03
Sample ID:	350177	Sample Dates:	7/21/2014 - 7/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.56E-02	2.63E-03	3.05E-03
Sample ID:	350918	Sample Dates:	7/28/2014 - 8/4/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.31E-02	2.34E-03	2.66E-03
Sample ID:	351164	Sample Dates:	8/4/2014 - 8/11/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.64E-02	2.96E-03	2.56E-03

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.





# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 90 [ INDICATOR - SSW @ 0.5 miles ]

Sample ID:	351532	Sample Dates:	8/11/2014 - 8/18/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.95E-02	2.80E-03	2.98E-03
Sample ID:	353393	Sample Dates:	8/18/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.19E-02	2.90E-03	3.04E-03
Sample ID:	353978	Sample Dates:	8/25/2014 - 9/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.98E-02	2.43E-03	2.21E-03
Sample ID:	354410	Sample Dates:	9/2/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	9.46E-03	2.63E-03	3.60E-03
Sample ID:	354721	Sample Dates:	9/8/2014 - 9/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	7.24E-03	2.11E-03	2.89E-03
Sample ID:	355090	Sample Dates:	9/15/2014 - 9/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	3.27E-02	3.38E-03	3.10E-03
Sample ID:	355586	Sample Dates:	9/22/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.30E-02	2.39E-03	2.76E-03
Sample ID:	355595	Sample Dates:	6/30/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<8.67E-04	0.00E+00	8.67E-04
				Cs-137	<6.82E-04	0.00E+00	6.82E-04
				Be-7	1.08E-01	2.26E-02	1.79E-02
				K-40	1.35E-02	7.10E-03	2.45E-03
Sample ID:	356443	Sample Dates:	9/29/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.55E-02	3.02E-03	2.85E-03
Sample ID:	357003	Sample Dates:	10/6/2014 - 10/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.40E-02	3.05E-03	3.13E-03
Sample ID:	357999	Sample Dates:	10/13/2014 - 10/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.79E-02	2.60E-03	2.68E-03
Sample ID:	358620	Sample Dates:	10/20/2014 - 10/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.83E-02	2.68E-03	2.82E-03
Sample ID:	359229	Sample Dates:	10/27/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.51E-02	3.08E-03	3.11E-03
Sample ID:	359985	Sample Dates:	11/3/2014 - 11/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.68E-02	3.10E-03	2.98E-03
Sample ID:	360672	Sample Dates:	11/10/2014 - 11/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.14E-02	2.95E-03	3.20E-03
Sample ID:	361538	Sample Dates:	11/17/2014 - 11/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.68E-02	3.11E-03	3.00E-03
Sample ID:	361922	Sample Dates:	11/24/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.79E-02	2.69E-03	2.95E-03
Sample ID:	362738	Sample Dates:	12/1/2014 - 12/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.67E-02	3.15E-03	3.12E-03
Sample ID:	363483	Sample Dates:	12/8/2014 - 12/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.34E-02	2.92E-03	2.87E-03
Sample ID:	363934	Sample Dates:	12/15/2014 - 12/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.44E-02	3.04E-03	3.07E-03
Sample ID:	364456	Sample Dates:	12/22/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.40E-02	2.50E-03	2.93E-03
Sample ID:	364465	Sample Dates:	9/29/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<7.23E-04	0.00E+00	7.23E-04
				Cs-137	<7.00E-04	0.00E+00	7.00E-04
				Be-7	1.19E-01	2.33E-02	1.81E-02
				K-40	<2.01E-02	0.00E+00	2.01E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.





# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 91 [ INDICATOR - ENE @ 1.6 miles ]

Sample ID:	280677	Sample Dates:	12/30/2013 - 1/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.30E-02	2.22E-03	6.30E-03
Sample ID:	280850	Sample Dates:	1/6/2014 - 1/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.10E-02	2.18E-03	6.35E-03
Sample ID:	281209	Sample Dates:	1/13/2014 - 1/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.22E-02	2.20E-03	6.27E-03
Sample ID:	281530	Sample Dates:	1/20/2014 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.61E-02	2.26E-03	6.07E-03
Sample ID:	282153	Sample Dates:	1/27/2014 - 2/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.48E-02	2.27E-03	6.26E-03
Sample ID:	282965	Sample Dates:	2/3/2014 - 2/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.62E-02	1.37E-03	3.09E-03
Sample ID:	283412	Sample Dates:	2/10/2014 - 2/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.98E-02	1.47E-03	3.27E-03
Sample ID:	284578	Sample Dates:	2/17/2014 - 2/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.49E-02	1.39E-03	3.37E-03
Sample ID:	285140	Sample Dates:	2/24/2014 - 3/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.98E-02	1.45E-03	3.08E-03
Sample ID:	285745	Sample Dates:	3/3/2014 - 3/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.91E-02	1.41E-03	2.95E-03
Sample ID:	286249	Sample Dates:	3/10/2014 - 3/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.40E-02	1.30E-03	3.04E-03
Sample ID:	287134	Sample Dates:	3/17/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.15E-02	1.28E-03	3.23E-03
Sample ID:	288385	Sample Dates:	3/24/2014 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.37E-02	1.30E-03	3.11E-03
Sample ID:	289014	Sample Dates:	12/30/2013 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<3.74E-04	0.00E+00	3.74E-04
				Cs-137	<4.92E-04	0.00E+00	4.92E-04
				Be-7	1.33E-01	7.54E-03	7.82E-03
				K-40	1.17E-02	2.79E-03	4.66E-03
Sample ID:	289109	Sample Dates:	3/31/2014 - 4/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.71E-02	1.41E-03	3.20E-03
Sample ID:	289495	Sample Dates:	4/7/2014 - 4/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.59E-02	1.38E-03	3.17E-03
Sample ID:	289905	Sample Dates:	4/14/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.91E-02	1.42E-03	2.99E-03
Sample ID:	291510	Sample Dates:	4/21/2014 - 4/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.76E-02	1.34E-03	2.79E-03
Sample ID:	292804	Sample Dates:	4/28/2014 - 5/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.62E-02	1.31E-03	2.82E-03
Sample ID:	293066	Sample Dates:	5/5/2014 - 5/12/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.44E-02	1.58E-03	3.18E-03
Sample ID:	294697	Sample Dates:	5/12/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.27E-02	1.50E-03	2.99E-03
Sample ID:	295206	Sample Dates:	5/19/2014 - 5/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	4.11E-02	3.65E-03	8.28E-03
Sample ID:	295467	Sample Dates:	5/27/2014 - 6/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.72E-02	1.53E-03	3.53E-03

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 91 [ INDICATOR - ENE @ 1.6 miles ]

Sample ID:	295982	Sample Dates:	6/2/2014 - 6/9/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.36E-02	1.33E-03	3.26E-03
Sample ID:	296227	Sample Dates:	6/9/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.92E-02	1.40E-03	2.86E-03
Sample ID:	296748	Sample Dates:	6/16/2014 - 6/23/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.08E-02	1.51E-03	3.20E-03
Sample ID:	296975	Sample Dates:	6/23/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.73E-02	1.42E-03	3.24E-03
Sample ID:	297278	Sample Dates:	3/31/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<4.70E-04	0.00E+00	4.70E-04
				Cs-137	<6.01E-04	0.00E+00	6.01E-04
				Be-7	1.35E-01	2.84E-02	2.74E-02
				K-40	2.00E-02	9.52E-03	9.74E-03
Sample ID:	297372	Sample Dates:	6/30/2014 - 7/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.67E-02	2.63E-03	2.92E-03
Sample ID:	297660	Sample Dates:	7/7/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.07E-02	2.87E-03	3.04E-03
Sample ID:	298196	Sample Dates:	7/14/2014 - 7/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.76E-02	2.63E-03	2.80E-03
Sample ID:	350178	Sample Dates:	7/21/2014 - 7/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.78E-02	2.77E-03	3.11E-03
Sample ID:	350919	Sample Dates:	7/28/2014 - 8/4/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.27E-02	2.37E-03	2.73E-03
Sample ID:	351165	Sample Dates:	8/4/2014 - 8/11/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.76E-02	3.02E-03	2.55E-03
Sample ID:	351534	Sample Dates:	8/11/2014 - 8/18/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.03E-02	2.82E-03	2.95E-03
Sample ID:	353394	Sample Dates:	8/18/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.85E-02	2.78E-03	3.07E-03
Sample ID:	353981	Sample Dates:	8/25/2014 - 9/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.78E-02	2.34E-03	2.21E-03
Sample ID:	354411	Sample Dates:	9/2/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.18E-02	2.77E-03	3.61E-03
Sample ID:	354722	Sample Dates:	9/8/2014 - 9/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	8.96E-03	2.21E-03	2.89E-03
Sample ID:	355092	Sample Dates:	9/15/2014 - 9/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	3.08E-02	3.31E-03	3.10E-03
Sample ID:	355587	Sample Dates:	9/22/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.18E-02	2.32E-03	2.76E-03
Sample ID:	355596	Sample Dates:	6/30/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<8.89E-04	0.00E+00	8.89E-04
				Cs-137	<7.55E-04	0.00E+00	7.55E-04
				Be-7	1.23E-01	2.61E-02	2.41E-02
				K-40	<1.90E-02	0.00E+00	1.90E-02
Sample ID:	356444	Sample Dates:	9/29/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.41E-02	2.96E-03	2.85E-03
Sample ID:	357004	Sample Dates:	10/6/2014 - 10/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.28E-02	2.99E-03	3.13E-03
Sample ID:	358000	Sample Dates:	10/13/2014 - 10/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.65E-02	2.53E-03	2.68E-03

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



## HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 91 [ INDICATOR - ENE @ 1.6 miles ]

Sample ID:	358621	Sample Dates:	10/20/2014 - 10/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.72E-02	2.62E-03	2.81E-03
Sample ID:	359231	Sample Dates:	10/27/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.37E-02	3.02E-03	3.11E-03
Sample ID:	359986	Sample Dates:	11/3/2014 - 11/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.42E-02	2.99E-03	2.98E-03
Sample ID:	360673	Sample Dates:	11/10/2014 - 11/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.99E-02	2.89E-03	3.20E-03
Sample ID:	361539	Sample Dates:	11/17/2014 - 11/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.46E-02	3.02E-03	2.99E-03
Sample ID:	361923	Sample Dates:	11/24/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.50E-02	2.56E-03	2.95E-03
Sample ID:	362739	Sample Dates:	12/1/2014 - 12/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.54E-02	3.09E-03	3.12E-03
Sample ID:	363484	Sample Dates:	12/8/2014 - 12/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.30E-02	2.90E-03	2.87E-03
Sample ID:	363935	Sample Dates:	12/15/2014 - 12/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.15E-02	2.91E-03	3.07E-03
Sample ID:	364457	Sample Dates:	12/22/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.52E-02	2.56E-03	2.94E-03
Sample ID:	364466	Sample Dates:	9/29/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<6.10E-04	0.00E+00	6.10E-04
				Cs-137	<6.26E-04	0.00E+00	6.26E-04
				Be-7	1.20E-01	2.17E-02	1.09E-02
				K-40	<1.82E-02	0.00E+00	1.82E-02

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

Sample Point 1 [ INDICATOR - N @ 2.6 miles ]

Sample ID:	280659	Sample Dates:	12/30/2013 - 1/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<5.82E-02	0.00E+00	5.82E-02
				Cs-134	<4.19E-02	0.00E+00	4.19E-02
				Cs-137	<2.85E-02	0.00E+00	2.85E-02
				Be-7	<1.78E-01	0.00E+00	1.78E-01
				K-40	9.52E-01	2.38E-01	4.45E-01
Sample ID:	280832	Sample Dates:	1/6/2014 - 1/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<5.57E-02	0.00E+00	5.57E-02
				Cs-134	<3.17E-02	0.00E+00	3.17E-02
				Cs-137	<4.61E-02	0.00E+00	4.61E-02
				Be-7	<2.28E-01	0.00E+00	2.28E-01
				K-40	8.39E-01	3.10E-01	5.79E-01
Sample ID:	281191	Sample Dates:	1/13/2014 - 1/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<3.20E-02	0.00E+00	3.20E-02
				Cs-134	<2.68E-02	0.00E+00	2.68E-02
				Cs-137	<3.20E-02	0.00E+00	3.20E-02
				Be-7	<2.28E-01	0.00E+00	2.28E-01
				K-40	8.56E-01	2.47E-01	4.14E-01
Sample ID:	281512	Sample Dates:	1/20/2014 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.67E-02	0.00E+00	1.67E-02
				Cs-134	<2.11E-02	0.00E+00	2.11E-02
				Cs-137	<2.89E-02	0.00E+00	2.89E-02
				Be-7	<1.97E-01	0.00E+00	1.97E-01
				K-40	5.04E-01	1.52E-01	1.24E-01
Sample ID:	282135	Sample Dates:	1/27/2014 - 2/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<4.67E-02	0.00E+00	4.67E-02
				Cs-134	<4.33E-02	0.00E+00	4.33E-02
				Cs-137	<4.32E-02	0.00E+00	4.32E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1 [ INDICATOR - N @ 2.6 miles ]

Sample ID:	282135	Sample Dates:	1/27/2014 - 2/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<3.08E-01	0.00E+00	3.08E-01
				K-40	1.38E+00	2.87E-01	4.35E-01
Sample ID:	282947	Sample Dates:	2/3/2014 - 2/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.90E-02	0.00E+00	1.90E-02
				Cs-134	<1.47E-02	0.00E+00	1.47E-02
				Cs-137	<2.21E-02	0.00E+00	2.21E-02
				Be-7	<1.10E-01	0.00E+00	1.10E-01
				K-40	2.84E-01	1.16E-01	3.18E-01
Sample ID:	283394	Sample Dates:	2/10/2014 - 2/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.12E-02	0.00E+00	2.12E-02
				Cs-134	<1.87E-02	0.00E+00	1.87E-02
				Cs-137	<2.21E-02	0.00E+00	2.21E-02
				Be-7	<7.89E-02	0.00E+00	7.89E-02
				K-40	<5.55E-01	0.00E+00	5.55E-01
Sample ID:	284561	Sample Dates:	2/17/2014 - 2/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.43E-02	0.00E+00	2.43E-02
				Cs-134	<2.01E-02	0.00E+00	2.01E-02
				Cs-137	<2.07E-02	0.00E+00	2.07E-02
				Be-7	<1.44E-01	0.00E+00	1.44E-01
				K-40	4.30E-01	1.11E-01	7.74E-02
Sample ID:	285122	Sample Dates:	2/24/2014 - 3/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.30E-02	0.00E+00	2.30E-02
				Cs-134	<1.90E-02	0.00E+00	1.90E-02
				Cs-137	<1.16E-02	0.00E+00	1.16E-02
				Be-7	<1.37E-01	0.00E+00	1.37E-01
				K-40	5.11E-01	1.58E-01	2.76E-01
Sample ID:	285727	Sample Dates:	3/3/2014 - 3/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.15E-02	0.00E+00	1.15E-02
				Cs-134	<8.18E-03	0.00E+00	8.18E-03
				Cs-137	<1.19E-02	0.00E+00	1.19E-02
				Be-7	<5.79E-02	0.00E+00	5.79E-02
				K-40	5.92E-01	8.38E-02	1.53E-01
Sample ID:	286231	Sample Dates:	3/10/2014 - 3/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.76E-02	0.00E+00	2.76E-02
				Cs-134	<1.45E-02	0.00E+00	1.45E-02
				Cs-137	<1.82E-02	0.00E+00	1.82E-02
				Be-7	<1.81E-01	0.00E+00	1.81E-01
				K-40	<5.98E-01	0.00E+00	5.98E-01
Sample ID:	287116	Sample Dates:	3/17/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.17E-02	0.00E+00	2.17E-02
				Cs-134	<1.59E-02	0.00E+00	1.59E-02
				Cs-137	<2.00E-02	0.00E+00	2.00E-02
				Be-7	<1.52E-01	0.00E+00	1.52E-01
				K-40	3.71E-01	1.03E-01	3.35E-01
Sample ID:	288367	Sample Dates:	3/24/2014 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.74E-02	0.00E+00	2.74E-02
				Cs-134	<9.79E-03	0.00E+00	9.79E-03
				Cs-137	<1.76E-02	0.00E+00	1.76E-02
				Be-7	<1.38E-01	0.00E+00	1.38E-01
				K-40	5.71E-01	1.28E-01	2.45E-01
Sample ID:	289091	Sample Dates:	3/31/2014 - 4/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.10E-02	0.00E+00	1.10E-02
				Cs-134	<1.06E-02	0.00E+00	1.06E-02
				Cs-137	<1.32E-02	0.00E+00	1.32E-02
				Be-7	<8.34E-02	0.00E+00	8.34E-02
				K-40	3.02E-01	8.06E-02	1.90E-01
Sample ID:	289477	Sample Dates:	4/7/2014 - 4/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.89E-02	0.00E+00	2.89E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1 [ INDICATOR - N @ 2.6 miles ]

Sample ID: 289477	Sample Dates: 4/7/2014 - 4/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Cs-134	<1.58E-02	0.00E+00	1.58E-02
		Cs-137	<1.23E-02	0.00E+00	1.23E-02
		Be-7	<1.26E-01	0.00E+00	1.26E-01
		K-40	4.58E-01	1.15E-01	2.74E-01
Sample ID: 289887	Sample Dates: 4/14/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.99E-02	0.00E+00	2.99E-02
		Cs-134	<2.09E-02	0.00E+00	2.09E-02
		Cs-137	<1.99E-02	0.00E+00	1.99E-02
		Be-7	<1.74E-01	0.00E+00	1.74E-01
Sample ID: 291492	Sample Dates: 4/21/2014 - 4/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.19E-02	0.00E+00	1.19E-02
		Cs-134	<1.18E-02	0.00E+00	1.18E-02
		Cs-137	<1.31E-02	0.00E+00	1.31E-02
		Be-7	<9.50E-02	0.00E+00	9.50E-02
Sample ID: 292786	Sample Dates: 4/28/2014 - 5/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.10E-02	0.00E+00	1.10E-02
		Cs-134	<1.07E-02	0.00E+00	1.07E-02
		Cs-137	<1.15E-02	0.00E+00	1.15E-02
		Be-7	<8.16E-02	0.00E+00	8.16E-02
Sample ID: 293048	Sample Dates: 5/5/2014 - 5/12/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.73E-02	0.00E+00	2.73E-02
		Cs-134	<2.02E-02	0.00E+00	2.02E-02
		Cs-137	<2.86E-02	0.00E+00	2.86E-02
		Be-7	<1.49E-01	0.00E+00	1.49E-01
Sample ID: 294679	Sample Dates: 5/12/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.56E-02	0.00E+00	1.56E-02
		Cs-134	<1.40E-02	0.00E+00	1.40E-02
		Cs-137	<1.70E-02	0.00E+00	1.70E-02
		Be-7	<1.51E-01	0.00E+00	1.51E-01
Sample ID: 295188	Sample Dates: 5/19/2014 - 5/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	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	<1.23E-02	0.00E+00	1.23E-02
		Be-7	<9.72E-02	0.00E+00	9.72E-02
Sample ID: 295449	Sample Dates: 5/27/2014 - 6/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.35E-02	0.00E+00	2.35E-02
		Cs-134	<1.68E-02	0.00E+00	1.68E-02
		Cs-137	<2.18E-02	0.00E+00	2.18E-02
		Be-7	<1.76E-01	0.00E+00	1.76E-01
Sample ID: 295964	Sample Dates: 6/2/2014 - 6/9/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.39E-02	0.00E+00	2.39E-02
		Cs-134	<2.30E-02	0.00E+00	2.30E-02
		Cs-137	<1.99E-02	0.00E+00	1.99E-02
		Be-7	<1.42E-01	0.00E+00	1.42E-01
Sample ID: 296209	Sample Dates: 6/9/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.50E-02	0.00E+00	1.50E-02
		Cs-134	<2.22E-02	0.00E+00	2.22E-02
		Cs-137	<1.80E-02	0.00E+00	1.80E-02
		Be-7	<1.80E-01	0.00E+00	1.80E-01
Sample ID: 296209	Sample Dates: 6/9/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		K-40	<5.54E-01	0.00E+00	5.54E-01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1 [ INDICATOR - N @ 2.6 miles ]

Sample ID: 296730	Sample Dates: 6/16/2014 - 6/23/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.83E-02	0.00E+00	2.83E-02
		Cs-134	<1.70E-02	0.00E+00	1.70E-02
		Cs-137	<4.50E-03	0.00E+00	4.50E-03
		Be-7	<1.54E-01	0.00E+00	1.54E-01
		K-40	6.86E-01	1.40E-01	7.73E-02
Sample ID: 296957	Sample Dates: 6/23/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.44E-02	0.00E+00	2.44E-02
		Cs-134	<1.23E-02	0.00E+00	1.23E-02
		Cs-137	<1.89E-02	0.00E+00	1.89E-02
		Be-7	<1.44E-01	0.00E+00	1.44E-01
		K-40	<5.37E-01	0.00E+00	5.37E-01
Sample ID: 297354	Sample Dates: 6/30/2014 - 7/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.38E-02	0.00E+00	2.38E-02
		Cs-134	<2.10E-02	0.00E+00	2.10E-02
		Cs-137	<1.78E-02	0.00E+00	1.78E-02
		Be-7	<1.41E-01	0.00E+00	1.41E-01
		K-40	4.84E-01	1.18E-01	2.11E-01
Sample ID: 297642	Sample Dates: 7/7/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.25E-02	0.00E+00	1.25E-02
		Cs-134	<8.12E-03	0.00E+00	8.12E-03
		Cs-137	<8.74E-03	0.00E+00	8.74E-03
		Be-7	<5.20E-02	0.00E+00	5.20E-02
		K-40	3.82E-01	1.45E-01	1.19E-01
Sample ID: 298178	Sample Dates: 7/14/2014 - 7/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<4.94E-02	0.00E+00	4.94E-02
		Cs-134	<1.53E-02	0.00E+00	1.53E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.14E-01	0.00E+00	1.14E-01
		K-40	<6.67E-01	0.00E+00	6.67E-01
Sample ID: 350204	Sample Dates: 7/21/2014 - 7/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<4.19E-02	0.00E+00	4.19E-02
		Cs-134	<1.53E-02	0.00E+00	1.53E-02
		Cs-137	<2.12E-02	0.00E+00	2.12E-02
		Be-7	<1.59E-01	0.00E+00	1.59E-01
		K-40	2.68E-01	2.02E-01	2.30E-01
Sample ID: 350920	Sample Dates: 7/28/2014 - 8/4/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.01E-02	0.00E+00	2.01E-02
		Cs-134	<1.70E-02	0.00E+00	1.70E-02
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<1.19E-01	0.00E+00	1.19E-01
		K-40	3.27E-01	1.99E-01	8.05E-02
Sample ID: 351166	Sample Dates: 8/4/2014 - 8/11/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.44E-02	0.00E+00	2.44E-02
		Cs-134	<1.99E-02	0.00E+00	1.99E-02
		Cs-137	<1.89E-02	0.00E+00	1.89E-02
		Be-7	<1.57E-01	0.00E+00	1.57E-01
		K-40	<6.16E-01	0.00E+00	6.16E-01
Sample ID: 351536	Sample Dates: 8/11/2014 - 8/18/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.79E-02	0.00E+00	1.79E-02
		Cs-134	<2.27E-02	0.00E+00	2.27E-02
		Cs-137	<1.89E-02	0.00E+00	1.89E-02
		Be-7	<1.46E-01	0.00E+00	1.46E-01
		K-40	<5.59E-01	0.00E+00	5.59E-01
Sample ID: 353395	Sample Dates: 8/18/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.22E-02	0.00E+00	1.22E-02
		Cs-134	<1.97E-02	0.00E+00	1.97E-02
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<1.04E-01	0.00E+00	1.04E-01
		K-40	5.37E-01	2.57E-01	8.08E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1 [ INDICATOR - N @ 2.6 miles ]

Sample ID:	353983	Sample Dates:	8/25/2014 - 9/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.00E-02	0.00E+00	2.00E-02
				Cs-134	<1.71E-02	0.00E+00	1.71E-02
				Cs-137	<1.66E-02	0.00E+00	1.66E-02
				Be-7	<1.17E-01	0.00E+00	1.17E-01
				K-40	7.01E-01	2.76E-01	7.04E-02
Sample ID:	354412	Sample Dates:	9/2/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.48E-02	0.00E+00	1.48E-02
				Cs-134	<1.56E-02	0.00E+00	1.56E-02
				Cs-137	<1.20E-02	0.00E+00	1.20E-02
				Be-7	<7.70E-02	0.00E+00	7.70E-02
				K-40	4.58E-01	2.40E-01	3.09E-01
Sample ID:	354723	Sample Dates:	9/8/2014 - 9/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.34E-02	0.00E+00	2.34E-02
				Cs-134	<2.98E-02	0.00E+00	2.98E-02
				Cs-137	<1.90E-02	0.00E+00	1.90E-02
				Be-7	<1.21E-01	0.00E+00	1.21E-01
				K-40	3.87E-01	2.17E-01	8.06E-02
Sample ID:	355095	Sample Dates:	9/15/2014 - 9/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.02E-02	0.00E+00	2.02E-02
				Cs-134	<1.85E-02	0.00E+00	1.85E-02
				Cs-137	<1.64E-02	0.00E+00	1.64E-02
				Be-7	<1.56E-01	0.00E+00	1.56E-01
				K-40	4.00E-01	2.51E-01	2.78E-01
Sample ID:	355597	Sample Dates:	9/22/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<3.17E-02	0.00E+00	3.17E-02
				Cs-134	<1.31E-02	0.00E+00	1.31E-02
				Cs-137	<2.12E-02	0.00E+00	2.12E-02
				Be-7	<1.68E-01	0.00E+00	1.68E-01
				K-40	<5.40E-01	0.00E+00	5.40E-01
Sample ID:	356445	Sample Dates:	9/29/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.01E-02	0.00E+00	2.01E-02
				Cs-134	<1.70E-02	0.00E+00	1.70E-02
				Cs-137	<1.64E-02	0.00E+00	1.64E-02
				Be-7	<1.20E-01	0.00E+00	1.20E-01
				K-40	2.02E-01	2.75E-01	4.54E-01
Sample ID:	357008	Sample Dates:	10/6/2014 - 10/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.55E-02	0.00E+00	2.55E-02
				Cs-134	<1.31E-02	0.00E+00	1.31E-02
				Cs-137	<1.64E-02	0.00E+00	1.64E-02
				Be-7	<1.47E-01	0.00E+00	1.47E-01
				K-40	7.13E-01	2.97E-01	8.05E-02
Sample ID:	358001	Sample Dates:	10/13/2014 - 10/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.62E-02	0.00E+00	2.62E-02
				Cs-134	<2.12E-02	0.00E+00	2.12E-02
				Cs-137	<1.63E-02	0.00E+00	1.63E-02
				Be-7	<8.22E-02	0.00E+00	8.22E-02
				K-40	4.45E-01	2.33E-01	8.04E-02
Sample ID:	358622	Sample Dates:	10/20/2014 - 10/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.67E-02	0.00E+00	2.67E-02
				Cs-134	<1.52E-02	0.00E+00	1.52E-02
				Cs-137	<1.30E-02	0.00E+00	1.30E-02
				Be-7	<1.22E-01	0.00E+00	1.22E-01
				K-40	5.10E-01	3.00E-01	3.52E-01
Sample ID:	359233	Sample Dates:	10/27/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<7.61E-03	0.00E+00	7.61E-03
				Cs-134	<4.99E-03	0.00E+00	4.99E-03
				Cs-137	<5.48E-03	0.00E+00	5.48E-03
				Be-7	<5.27E-02	0.00E+00	5.27E-02
				K-40	5.39E-01	1.30E-01	8.67E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.





## HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1 [ INDICATOR - N @ 2.6 miles ]

Sample ID: 359987	Sample Dates: 11/3/2014 - 11/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<3.02E-02	0.00E+00	3.02E-02
		Cs-134	<1.31E-02	0.00E+00	1.31E-02
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<8.34E-02	0.00E+00	8.34E-02
		K-40	2.77E-01	2.36E-01	3.25E-01
Sample ID: 360674	Sample Dates: 11/10/2014 - 11/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.35E-02	0.00E+00	2.35E-02
		Cs-134	<1.99E-02	0.00E+00	1.99E-02
		Cs-137	<2.11E-02	0.00E+00	2.11E-02
		Be-7	<1.58E-01	0.00E+00	1.58E-01
		K-40	4.35E-01	2.90E-01	3.72E-01
Sample ID: 361540	Sample Dates: 11/17/2014 - 11/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.46E-02	0.00E+00	2.46E-02
		Cs-134	<1.85E-02	0.00E+00	1.85E-02
		Cs-137	<2.80E-02	0.00E+00	2.80E-02
		Be-7	<1.66E-01	0.00E+00	1.66E-01
		K-40	3.52E-01	2.28E-01	2.39E-01
Sample ID: 361924	Sample Dates: 11/24/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<3.40E-02	0.00E+00	3.40E-02
		Cs-134	<1.33E-02	0.00E+00	1.33E-02
		Cs-137	<1.49E-02	0.00E+00	1.49E-02
		Be-7	<1.23E-01	0.00E+00	1.23E-01
		K-40	4.01E-01	2.21E-01	2.20E-01
Sample ID: 362740	Sample Dates: 12/1/2014 - 12/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.55E-02	0.00E+00	2.55E-02
		Cs-134	<1.28E-02	0.00E+00	1.28E-02
		Cs-137	<2.23E-02	0.00E+00	2.23E-02
		Be-7	<1.34E-01	0.00E+00	1.34E-01
		K-40	6.30E-01	3.06E-01	3.36E-01
Sample ID: 363485	Sample Dates: 12/8/2014 - 12/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.24E-02	0.00E+00	1.24E-02
		Cs-134	<1.03E-02	0.00E+00	1.03E-02
		Cs-137	<1.55E-02	0.00E+00	1.55E-02
		Be-7	<8.68E-02	0.00E+00	8.68E-02
		K-40	3.79E-01	1.73E-01	1.80E-01
Sample ID: 363936	Sample Dates: 12/15/2014 - 12/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.74E-02	0.00E+00	1.74E-02
		Cs-134	<1.16E-02	0.00E+00	1.16E-02
		Cs-137	<1.65E-02	0.00E+00	1.65E-02
		Be-7	<6.66E-02	0.00E+00	6.66E-02
		K-40	6.36E-01	2.36E-01	1.96E-01
Sample ID: 364467	Sample Dates: 12/22/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.17E-02	0.00E+00	2.17E-02
		Cs-134	<1.48E-02	0.00E+00	1.48E-02
		Cs-137	<1.18E-02	0.00E+00	1.18E-02
		Be-7	<1.21E-01	0.00E+00	1.21E-01
		K-40	<3.99E-01	0.00E+00	3.99E-01

Sample Point 2 [ INDICATOR - NNE @ 1.4 miles ]

Sample ID: 280660	Sample Dates: 12/30/2013 - 1/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<4.93E-02	0.00E+00	4.93E-02
		Cs-134	<3.95E-02	0.00E+00	3.95E-02
		Cs-137	<4.67E-02	0.00E+00	4.67E-02
		Be-7	<2.88E-01	0.00E+00	2.88E-01
		K-40	6.92E-01	3.07E-01	5.69E-01
Sample ID: 280833	Sample Dates: 1/6/2014 - 1/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<5.25E-02	0.00E+00	5.25E-02
		Cs-134	<3.94E-02	0.00E+00	3.94E-02
		Cs-137	<3.99E-02	0.00E+00	3.99E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.





# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 2 [ INDICATOR - NNE @ 1.4 miles ]

Sample ID:	280833	Sample Dates:	1/6/2014 - 1/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<3.09E-01	0.00E+00	3.09E-01
				K-40	8.19E-01	2.85E-01	6.33E-01
Sample ID:	281192	Sample Dates:	1/13/2014 - 1/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<4.88E-02	0.00E+00	4.88E-02
				Cs-134	<3.03E-02	0.00E+00	3.03E-02
				Cs-137	<8.99E-03	0.00E+00	8.99E-03
				Be-7	<3.35E-01	0.00E+00	3.35E-01
				K-40	1.04E+00	3.09E-01	6.36E-01
Sample ID:	281513	Sample Dates:	1/20/2014 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<3.03E-02	0.00E+00	3.03E-02
				Cs-134	<2.28E-02	0.00E+00	2.28E-02
				Cs-137	<3.37E-02	0.00E+00	3.37E-02
				Be-7	<2.69E-01	0.00E+00	2.69E-01
				K-40	7.40E-01	1.91E-01	1.33E-01
Sample ID:	282136	Sample Dates:	1/27/2014 - 2/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<3.58E-02	0.00E+00	3.58E-02
				Cs-134	<2.39E-02	0.00E+00	2.39E-02
				Cs-137	<3.42E-02	0.00E+00	3.42E-02
				Be-7	<1.98E-01	0.00E+00	1.98E-01
				K-40	1.02E+00	2.24E-01	3.50E-01
Sample ID:	282948	Sample Dates:	2/3/2014 - 2/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.38E-02	0.00E+00	1.38E-02
				Cs-134	<1.19E-02	0.00E+00	1.19E-02
				Cs-137	<1.28E-02	0.00E+00	1.28E-02
				Be-7	<7.99E-02	0.00E+00	7.99E-02
				K-40	2.58E-01	7.16E-02	1.47E-01
Sample ID:	283395	Sample Dates:	2/10/2014 - 2/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.43E-02	0.00E+00	1.43E-02
				Cs-134	<1.28E-02	0.00E+00	1.28E-02
				Cs-137	<1.49E-02	0.00E+00	1.49E-02
				Be-7	<1.21E-01	0.00E+00	1.21E-01
				K-40	<5.87E-01	0.00E+00	5.87E-01
Sample ID:	284562	Sample Dates:	2/17/2014 - 2/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.44E-02	0.00E+00	1.44E-02
				Cs-134	<9.10E-03	0.00E+00	9.10E-03
				Cs-137	<1.16E-02	0.00E+00	1.16E-02
				Be-7	<9.58E-02	0.00E+00	9.58E-02
				K-40	2.64E-01	6.05E-02	1.00E-01
Sample ID:	285123	Sample Dates:	2/24/2014 - 3/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.42E-02	0.00E+00	2.42E-02
				Cs-134	<1.77E-02	0.00E+00	1.77E-02
				Cs-137	<1.47E-02	0.00E+00	1.47E-02
				Be-7	<1.48E-01	0.00E+00	1.48E-01
				K-40	4.31E-01	1.11E-01	2.59E-01
Sample ID:	285728	Sample Dates:	3/3/2014 - 3/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.24E-02	0.00E+00	1.24E-02
				Cs-134	<1.50E-02	0.00E+00	1.50E-02
				Cs-137	<1.22E-02	0.00E+00	1.22E-02
				Be-7	<8.10E-02	0.00E+00	8.10E-02
				K-40	<4.39E-01	0.00E+00	4.39E-01
Sample ID:	286232	Sample Dates:	3/10/2014 - 3/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.21E-02	0.00E+00	2.21E-02
				Cs-134	<1.75E-02	0.00E+00	1.75E-02
				Cs-137	<1.74E-02	0.00E+00	1.74E-02
				Be-7	<1.26E-01	0.00E+00	1.26E-01
				K-40	<5.56E-01	0.00E+00	5.56E-01
Sample ID:	287117	Sample Dates:	3/17/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.64E-02	0.00E+00	2.64E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 2 [ INDICATOR - NNE @ 1.4 miles ]

Sample ID: 287117	Sample Dates: 3/17/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Cs-134	<1.96E-02	0.00E+00	1.96E-02
		Cs-137	<2.28E-02	0.00E+00	2.28E-02
		Be-7	<1.38E-01	0.00E+00	1.38E-01
		K-40	<5.66E-01	0.00E+00	5.66E-01
Sample ID: 288368	Sample Dates: 3/24/2014 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.96E-02	0.00E+00	2.96E-02
		Cs-134	<1.78E-02	0.00E+00	1.78E-02
		Cs-137	<2.30E-02	0.00E+00	2.30E-02
		Be-7	<1.62E-01	0.00E+00	1.62E-01
Sample ID: 289092	Sample Dates: 3/31/2014 - 4/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.51E-02	0.00E+00	1.51E-02
		Cs-134	<8.14E-03	0.00E+00	8.14E-03
		Cs-137	<1.02E-02	0.00E+00	1.02E-02
		Be-7	<1.02E-01	0.00E+00	1.02E-01
Sample ID: 289478	Sample Dates: 4/7/2014 - 4/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.72E-02	0.00E+00	2.72E-02
		Cs-134	<1.60E-02	0.00E+00	1.60E-02
		Cs-137	<1.70E-02	0.00E+00	1.70E-02
		Be-7	<1.37E-01	0.00E+00	1.37E-01
Sample ID: 289888	Sample Dates: 4/14/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.62E-02	0.00E+00	2.62E-02
		Cs-134	<1.23E-02	0.00E+00	1.23E-02
		Cs-137	<2.21E-02	0.00E+00	2.21E-02
		Be-7	<1.80E-01	0.00E+00	1.80E-01
Sample ID: 291493	Sample Dates: 4/21/2014 - 4/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.24E-02	0.00E+00	2.24E-02
		Cs-134	<1.24E-02	0.00E+00	1.24E-02
		Cs-137	<2.00E-02	0.00E+00	2.00E-02
		Be-7	<1.56E-01	0.00E+00	1.56E-01
Sample ID: 292787	Sample Dates: 4/28/2014 - 5/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.25E-02	0.00E+00	1.25E-02
		Cs-134	<1.44E-02	0.00E+00	1.44E-02
		Cs-137	<8.82E-03	0.00E+00	8.82E-03
		Be-7	<8.25E-02	0.00E+00	8.25E-02
Sample ID: 293049	Sample Dates: 5/5/2014 - 5/12/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.79E-02	0.00E+00	1.79E-02
		Cs-134	<1.42E-02	0.00E+00	1.42E-02
		Cs-137	<1.55E-02	0.00E+00	1.55E-02
		Be-7	<1.05E-01	0.00E+00	1.05E-01
Sample ID: 294680	Sample Dates: 5/12/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.44E-02	0.00E+00	1.44E-02
		Cs-134	<9.35E-03	0.00E+00	9.35E-03
		Cs-137	<1.88E-02	0.00E+00	1.88E-02
		Be-7	<1.01E-01	0.00E+00	1.01E-01
Sample ID: 295189	Sample Dates: 5/19/2014 - 5/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.90E-02	0.00E+00	1.90E-02
		Cs-134	<1.53E-02	0.00E+00	1.53E-02
		Cs-137	<2.05E-02	0.00E+00	2.05E-02
		Be-7	<8.32E-02	0.00E+00	8.32E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 2 [ INDICATOR - NNE @ 1.4 miles ]

Sample ID: 295450	Sample Dates: 5/27/2014 - 6/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.90E-02	0.00E+00	2.90E-02
		Cs-134	<2.07E-02	0.00E+00	2.07E-02
		Cs-137	<3.10E-02	0.00E+00	3.10E-02
		Be-7	<1.39E-01	0.00E+00	1.39E-01
		K-40	5.68E-01	1.38E-01	9.03E-02
Sample ID: 295965	Sample Dates: 6/2/2014 - 6/9/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.71E-02	0.00E+00	2.71E-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	<1.74E-01	0.00E+00	1.74E-01
		K-40	2.89E-01	1.17E-01	3.23E-01
Sample ID: 296210	Sample Dates: 6/9/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.84E-02	0.00E+00	1.84E-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	<1.06E-01	0.00E+00	1.06E-01
		K-40	3.30E-01	8.83E-02	6.38E-02
Sample ID: 296731	Sample Dates: 6/16/2014 - 6/23/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.23E-02	0.00E+00	1.23E-02
		Cs-134	<1.18E-02	0.00E+00	1.18E-02
		Cs-137	<1.48E-02	0.00E+00	1.48E-02
		Be-7	<1.22E-01	0.00E+00	1.22E-01
		K-40	4.59E-01	1.05E-01	1.78E-01
Sample ID: 296958	Sample Dates: 6/23/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.66E-02	0.00E+00	1.66E-02
		Cs-134	<1.32E-02	0.00E+00	1.32E-02
		Cs-137	<1.44E-02	0.00E+00	1.44E-02
		Be-7	<9.18E-02	0.00E+00	9.18E-02
		K-40	<4.46E-01	0.00E+00	4.46E-01
Sample ID: 297355	Sample Dates: 6/30/2014 - 7/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.55E-02	0.00E+00	2.55E-02
		Cs-134	<1.54E-02	0.00E+00	1.54E-02
		Cs-137	<2.01E-02	0.00E+00	2.01E-02
		Be-7	<1.82E-01	0.00E+00	1.82E-01
		K-40	5.70E-01	1.27E-01	7.70E-02
Sample ID: 297643	Sample Dates: 7/7/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.56E-02	0.00E+00	2.56E-02
		Cs-134	<6.84E-03	0.00E+00	6.84E-03
		Cs-137	<1.25E-02	0.00E+00	1.25E-02
		Be-7	<1.13E-01	0.00E+00	1.13E-01
		K-40	<3.71E-01	0.00E+00	3.71E-01
Sample ID: 298179	Sample Dates: 7/14/2014 - 7/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<3.74E-02	0.00E+00	3.74E-02
		Cs-134	<2.00E-02	0.00E+00	2.00E-02
		Cs-137	<4.76E-03	0.00E+00	4.76E-03
		Be-7	<1.73E-01	0.00E+00	1.73E-01
		K-40	1.78E-01	1.46E-01	8.03E-02
Sample ID: 350180	Sample Dates: 7/21/2014 - 7/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.33E-02	0.00E+00	2.33E-02
		Cs-134	<1.32E-02	0.00E+00	1.32E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.38E-01	0.00E+00	1.38E-01
		K-40	3.57E-01	2.08E-01	8.06E-02
Sample ID: 350921	Sample Dates: 7/28/2014 - 8/4/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.30E-02	0.00E+00	2.30E-02
		Cs-134	<1.85E-02	0.00E+00	1.85E-02
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<1.33E-01	0.00E+00	1.33E-01
		K-40	7.73E-01	3.10E-01	8.05E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 2 [ INDICATOR - NNE @ 1.4 miles ]

Sample ID: 351167	Sample Dates: 8/4/2014 - 8/11/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.14E-02	0.00E+00	2.14E-02
		Cs-134	<1.99E-02	0.00E+00	1.99E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.77E-01	0.00E+00	1.77E-01
		K-40	4.45E-01	2.33E-01	8.04E-02
Sample ID: 351538	Sample Dates: 8/11/2014 - 8/18/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.79E-02	0.00E+00	1.79E-02
		Cs-134	<2.53E-02	0.00E+00	2.53E-02
		Cs-137	<2.11E-02	0.00E+00	2.11E-02
		Be-7	<1.04E-01	0.00E+00	1.04E-01
		K-40	5.60E-01	3.04E-01	3.35E-01
Sample ID: 353396	Sample Dates: 8/18/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.00E-02	0.00E+00	2.00E-02
		Cs-134	<2.78E-02	0.00E+00	2.78E-02
		Cs-137	<2.32E-02	0.00E+00	2.32E-02
		Be-7	<1.21E-01	0.00E+00	1.21E-01
		K-40	6.26E-01	2.79E-01	8.08E-02
Sample ID: 353986	Sample Dates: 8/25/2014 - 9/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.53E-02	0.00E+00	1.53E-02
		Cs-134	<2.22E-02	0.00E+00	2.22E-02
		Cs-137	<1.66E-02	0.00E+00	1.66E-02
		Be-7	<1.17E-01	0.00E+00	1.17E-01
		K-40	4.33E-01	2.66E-01	3.26E-01
Sample ID: 354413	Sample Dates: 9/2/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.10E-02	0.00E+00	2.10E-02
		Cs-134	<2.10E-02	0.00E+00	2.10E-02
		Cs-137	<1.19E-02	0.00E+00	1.19E-02
		Be-7	<2.70E-02	0.00E+00	2.70E-02
		K-40	<6.81E-01	0.00E+00	6.81E-01
Sample ID: 354724	Sample Dates: 9/8/2014 - 9/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.35E-02	0.00E+00	2.35E-02
		Cs-134	<1.56E-02	0.00E+00	1.56E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.21E-01	0.00E+00	1.21E-01
		K-40	<4.73E-01	0.00E+00	4.73E-01
Sample ID: 355097	Sample Dates: 9/15/2014 - 9/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.02E-02	0.00E+00	2.02E-02
		Cs-134	<1.31E-02	0.00E+00	1.31E-02
		Cs-137	<2.12E-02	0.00E+00	2.12E-02
		Be-7	<1.33E-01	0.00E+00	1.33E-01
		K-40	4.83E-01	2.77E-01	3.01E-01
Sample ID: 355598	Sample Dates: 9/22/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.14E-02	0.00E+00	2.14E-02
		Cs-134	<1.52E-02	0.00E+00	1.52E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.34E-01	0.00E+00	1.34E-01
		K-40	3.05E-01	2.06E-01	2.02E-01
Sample ID: 356446	Sample Dates: 9/29/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.36E-02	0.00E+00	2.36E-02
		Cs-134	<2.12E-02	0.00E+00	2.12E-02
		Cs-137	<1.64E-02	0.00E+00	1.64E-02
		Be-7	<1.34E-01	0.00E+00	1.34E-01
		K-40	3.04E-01	2.54E-01	3.54E-01
Sample ID: 357009	Sample Dates: 10/6/2014 - 10/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.23E-02	0.00E+00	2.23E-02
		Cs-134	<1.70E-02	0.00E+00	1.70E-02
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<1.69E-01	0.00E+00	1.69E-01
		K-40	5.94E-01	2.70E-01	8.05E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 2 [ INDICATOR - NNE @ 1.4 miles ]

Sample ID: 358002	Sample Dates: 10/13/2014 - 10/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.33E-02	0.00E+00	2.33E-02
		Cs-134	<1.04E-02	0.00E+00	1.04E-02
		Cs-137	<4.76E-03	0.00E+00	4.76E-03
		Be-7	<1.20E-01	0.00E+00	1.20E-01
		K-40	4.04E-01	2.48E-01	2.65E-01
Sample ID: 358623	Sample Dates: 10/20/2014 - 10/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.92E-02	0.00E+00	1.92E-02
		Cs-134	<1.04E-02	0.00E+00	1.04E-02
		Cs-137	<2.31E-02	0.00E+00	2.31E-02
		Be-7	<1.22E-01	0.00E+00	1.22E-01
		K-40	<5.98E-01	0.00E+00	5.98E-01
Sample ID: 359235	Sample Dates: 10/27/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.42E-02	0.00E+00	1.42E-02
		Cs-134	<1.04E-02	0.00E+00	1.04E-02
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<1.56E-01	0.00E+00	1.56E-01
		K-40	4.75E-01	2.91E-01	3.50E-01
Sample ID: 359988	Sample Dates: 11/3/2014 - 11/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.55E-02	0.00E+00	2.55E-02
		Cs-134	<1.52E-02	0.00E+00	1.52E-02
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<1.36E-01	0.00E+00	1.36E-01
		K-40	3.58E-01	2.77E-01	3.80E-01
Sample ID: 360675	Sample Dates: 11/10/2014 - 11/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.91E-02	0.00E+00	2.91E-02
		Cs-134	<1.31E-02	0.00E+00	1.31E-02
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<1.20E-01	0.00E+00	1.20E-01
		K-40	<6.34E-01	0.00E+00	6.34E-01
Sample ID: 361541	Sample Dates: 11/17/2014 - 11/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.04E-02	0.00E+00	2.04E-02
		Cs-134	<1.52E-02	0.00E+00	1.52E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.19E-01	0.00E+00	1.19E-01
		K-40	9.21E-01	3.40E-01	8.05E-02
Sample ID: 361925	Sample Dates: 11/24/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<3.20E-02	0.00E+00	3.20E-02
		Cs-134	<1.03E-02	0.00E+00	1.03E-02
		Cs-137	<1.66E-02	0.00E+00	1.66E-02
		Be-7	<1.23E-01	0.00E+00	1.23E-01
		K-40	4.02E-01	2.21E-01	2.18E-01
Sample ID: 362741	Sample Dates: 12/1/2014 - 12/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.95E-02	0.00E+00	1.95E-02
		Cs-134	<1.33E-02	0.00E+00	1.33E-02
		Cs-137	<1.95E-02	0.00E+00	1.95E-02
		Be-7	<1.16E-01	0.00E+00	1.16E-01
		K-40	4.61E-01	2.15E-01	6.58E-02
Sample ID: 363486	Sample Dates: 12/8/2014 - 12/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.08E-02	0.00E+00	1.08E-02
		Cs-134	<6.03E-03	0.00E+00	6.03E-03
		Cs-137	<8.80E-03	0.00E+00	8.80E-03
		Be-7	<6.01E-02	0.00E+00	6.01E-02
		K-40	2.86E-01	1.21E-01	1.02E-01
Sample ID: 363937	Sample Dates: 12/15/2014 - 12/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.66E-02	0.00E+00	1.66E-02
		Cs-134	<1.16E-02	0.00E+00	1.16E-02
		Cs-137	<1.99E-02	0.00E+00	1.99E-02
		Be-7	<8.61E-02	0.00E+00	8.61E-02
		K-40	4.74E-01	2.15E-01	2.22E-01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 2 [ INDICATOR - NNE @ 1.4 miles ]

Sample ID: 364468	Sample Dates: 12/22/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.91E-02	0.00E+00	1.91E-02
		Cs-134	<1.41E-02	0.00E+00	1.41E-02
		Cs-137	<1.32E-02	0.00E+00	1.32E-02
		Be-7	<1.21E-01	0.00E+00	1.21E-01
		K-40	6.46E-01	2.33E-01	1.71E-01

## Sample Point 4 [ INDICATOR - NNE @ 3.1 miles ]

Sample ID: 280661	Sample Dates: 12/30/2013 - 1/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<4.79E-02	0.00E+00	4.79E-02
		Cs-134	<3.47E-02	0.00E+00	3.47E-02
		Cs-137	<2.83E-02	0.00E+00	2.83E-02
		Be-7	<3.46E-01	0.00E+00	3.46E-01
		K-40	6.46E-01	2.50E-01	1.50E-01

Sample ID: 280834	Sample Dates: 1/6/2014 - 1/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<4.99E-02	0.00E+00	4.99E-02
		Cs-134	<3.65E-02	0.00E+00	3.65E-02
		Cs-137	<2.24E-02	0.00E+00	2.24E-02
		Be-7	<3.45E-01	0.00E+00	3.45E-01
		K-40	1.07E+00	2.58E-01	9.08E-01

Sample ID: 281193	Sample Dates: 1/13/2014 - 1/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.00E-02	0.00E+00	2.00E-02
		Cs-134	<1.60E-02	0.00E+00	1.60E-02
		Cs-137	<1.89E-02	0.00E+00	1.89E-02
		Be-7	<1.25E-01	0.00E+00	1.25E-01
		K-40	9.50E-01	1.90E-01	1.03E-01

Sample ID: 281514	Sample Dates: 1/20/2014 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.54E-02	0.00E+00	2.54E-02
		Cs-134	<1.94E-02	0.00E+00	1.94E-02
		Cs-137	<3.03E-02	0.00E+00	3.03E-02
		Be-7	<1.60E-01	0.00E+00	1.60E-01
		K-40	<7.35E-01	0.00E+00	7.35E-01

Sample ID: 282137	Sample Dates: 1/27/2014 - 2/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.64E-02	0.00E+00	2.64E-02
		Cs-134	<1.94E-02	0.00E+00	1.94E-02
		Cs-137	<2.15E-02	0.00E+00	2.15E-02
		Be-7	<8.40E-02	0.00E+00	8.40E-02
		K-40	<8.57E-01	0.00E+00	8.57E-01

Sample ID: 282949	Sample Dates: 2/3/2014 - 2/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.28E-02	0.00E+00	1.28E-02
		Cs-134	<1.04E-02	0.00E+00	1.04E-02
		Cs-137	<1.45E-02	0.00E+00	1.45E-02
		Be-7	<5.43E-02	0.00E+00	5.43E-02
		K-40	2.55E-01	7.08E-02	5.31E-02

Sample ID: 283396	Sample Dates: 2/10/2014 - 2/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.19E-02	0.00E+00	1.19E-02
		Cs-134	<1.05E-02	0.00E+00	1.05E-02
		Cs-137	<1.16E-02	0.00E+00	1.16E-02
		Be-7	<7.05E-02	0.00E+00	7.05E-02
		K-40	4.02E-01	1.07E-01	1.68E-01

Sample ID: 284563	Sample Dates: 2/17/2014 - 2/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.31E-02	0.00E+00	1.31E-02
		Cs-134	<1.13E-02	0.00E+00	1.13E-02
		Cs-137	<1.16E-02	0.00E+00	1.16E-02
		Be-7	<5.03E-02	0.00E+00	5.03E-02
		K-40	3.74E-01	9.96E-02	2.14E-01

Sample ID: 285124	Sample Dates: 2/24/2014 - 3/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.24E-02	0.00E+00	2.24E-02
		Cs-134	<6.70E-03	0.00E+00	6.70E-03
		Cs-137	<2.15E-02	0.00E+00	2.15E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 4 [ INDICATOR - NNE @ 3.1 miles ]

Sample ID: 285124	Sample Dates: 2/24/2014 - 3/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<1.95E-01	0.00E+00	1.95E-01
		K-40	<5.96E-01	0.00E+00	5.96E-01
Sample ID: 285729	Sample Dates: 3/3/2014 - 3/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.87E-02	0.00E+00	1.87E-02
		Cs-134	<1.63E-02	0.00E+00	1.63E-02
		Cs-137	<1.23E-02	0.00E+00	1.23E-02
		Be-7	<1.09E-01	0.00E+00	1.09E-01
		K-40	4.06E-01	1.93E-01	2.57E-01
Sample ID: 286233	Sample Dates: 3/10/2014 - 3/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.33E-02	0.00E+00	2.33E-02
		Cs-134	<1.60E-02	0.00E+00	1.60E-02
		Cs-137	<2.14E-02	0.00E+00	2.14E-02
		Be-7	<1.23E-01	0.00E+00	1.23E-01
		K-40	5.82E-01	1.83E-01	2.98E-01
Sample ID: 287118	Sample Dates: 3/17/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.31E-02	0.00E+00	1.31E-02
		Cs-134	<8.71E-03	0.00E+00	8.71E-03
		Cs-137	<1.19E-02	0.00E+00	1.19E-02
		Be-7	<6.57E-02	0.00E+00	6.57E-02
		K-40	3.09E-01	9.57E-02	1.73E-01
Sample ID: 288369	Sample Dates: 3/24/2014 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.57E-02	0.00E+00	2.57E-02
		Cs-134	<2.10E-02	0.00E+00	2.10E-02
		Cs-137	<2.30E-02	0.00E+00	2.30E-02
		Be-7	<1.66E-01	0.00E+00	1.66E-01
		K-40	6.28E-01	1.34E-01	7.72E-02
Sample ID: 289093	Sample Dates: 3/31/2014 - 4/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.35E-02	0.00E+00	1.35E-02
		Cs-134	<9.37E-03	0.00E+00	9.37E-03
		Cs-137	<1.21E-02	0.00E+00	1.21E-02
		Be-7	<6.11E-02	0.00E+00	6.11E-02
		K-40	2.58E-01	9.25E-02	1.78E-01
Sample ID: 289479	Sample Dates: 4/7/2014 - 4/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.80E-02	0.00E+00	2.80E-02
		Cs-134	<1.35E-02	0.00E+00	1.35E-02
		Cs-137	<1.79E-02	0.00E+00	1.79E-02
		Be-7	<1.27E-01	0.00E+00	1.27E-01
		K-40	4.51E-01	1.56E-01	2.16E-01
Sample ID: 289889	Sample Dates: 4/14/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.33E-02	0.00E+00	2.33E-02
		Cs-134	<1.70E-02	0.00E+00	1.70E-02
		Cs-137	<2.08E-02	0.00E+00	2.08E-02
		Be-7	<1.56E-01	0.00E+00	1.56E-01
		K-40	<5.73E-01	0.00E+00	5.73E-01
Sample ID: 291494	Sample Dates: 4/21/2014 - 4/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.28E-02	0.00E+00	1.28E-02
		Cs-134	<6.49E-03	0.00E+00	6.49E-03
		Cs-137	<1.25E-02	0.00E+00	1.25E-02
		Be-7	<8.53E-02	0.00E+00	8.53E-02
		K-40	4.98E-01	1.02E-01	1.08E-01
Sample ID: 292788	Sample Dates: 4/28/2014 - 5/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.06E-02	0.00E+00	2.06E-02
		Cs-134	<2.15E-02	0.00E+00	2.15E-02
		Cs-137	<2.23E-02	0.00E+00	2.23E-02
		Be-7	<1.56E-01	0.00E+00	1.56E-01
		K-40	4.85E-01	1.18E-01	7.72E-02
Sample ID: 293050	Sample Dates: 5/5/2014 - 5/12/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.07E-02	0.00E+00	1.07E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 4 [ INDICATOR - NNE @ 3.1 miles ]

Sample ID: 293050	Sample Dates: 5/5/2014 - 5/12/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Cs-134	<6.67E-03	0.00E+00	6.67E-03
		Cs-137	<8.16E-03	0.00E+00	8.16E-03
		Be-7	<7.61E-02	0.00E+00	7.61E-02
		K-40	<4.04E-01	0.00E+00	4.04E-01
Sample ID: 294681	Sample Dates: 5/12/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.31E-02	0.00E+00	1.31E-02
		Cs-134	<1.21E-02	0.00E+00	1.21E-02
		Cs-137	<1.07E-02	0.00E+00	1.07E-02
		Be-7	<6.62E-02	0.00E+00	6.62E-02
Sample ID: 295190	Sample Dates: 5/19/2014 - 5/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.49E-02	0.00E+00	2.49E-02
		Cs-134	<1.24E-02	0.00E+00	1.24E-02
		Cs-137	<1.79E-02	0.00E+00	1.79E-02
		Be-7	<1.48E-01	0.00E+00	1.48E-01
Sample ID: 295451	Sample Dates: 5/27/2014 - 6/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.36E-02	0.00E+00	2.36E-02
		Cs-134	<2.83E-02	0.00E+00	2.83E-02
		Cs-137	<2.15E-02	0.00E+00	2.15E-02
		Be-7	<1.32E-01	0.00E+00	1.32E-01
Sample ID: 295966	Sample Dates: 6/2/2014 - 6/9/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.40E-02	0.00E+00	1.40E-02
		Cs-134	<2.37E-03	0.00E+00	2.37E-03
		Cs-137	<1.02E-02	0.00E+00	1.02E-02
		Be-7	<6.48E-02	0.00E+00	6.48E-02
Sample ID: 296211	Sample Dates: 6/9/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.19E-02	0.00E+00	1.19E-02
		Cs-134	<1.02E-02	0.00E+00	1.02E-02
		Cs-137	<1.34E-02	0.00E+00	1.34E-02
		Be-7	<7.15E-02	0.00E+00	7.15E-02
Sample ID: 296732	Sample Dates: 6/16/2014 - 6/23/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.12E-02	0.00E+00	1.12E-02
		Cs-134	<7.92E-03	0.00E+00	7.92E-03
		Cs-137	<1.31E-02	0.00E+00	1.31E-02
		Be-7	<6.86E-02	0.00E+00	6.86E-02
Sample ID: 296959	Sample Dates: 6/23/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.01E-02	0.00E+00	1.01E-02
		Cs-134	<8.94E-03	0.00E+00	8.94E-03
		Cs-137	<1.33E-02	0.00E+00	1.33E-02
		Be-7	<9.66E-02	0.00E+00	9.66E-02
Sample ID: 297356	Sample Dates: 6/30/2014 - 7/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.16E-02	0.00E+00	2.16E-02
		Cs-134	<2.10E-02	0.00E+00	2.10E-02
		Cs-137	<1.78E-02	0.00E+00	1.78E-02
		Be-7	<1.07E-01	0.00E+00	1.07E-01
Sample ID: 297644	Sample Dates: 7/7/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<3.39E-02	0.00E+00	3.39E-02
		Cs-134	<8.63E-03	0.00E+00	8.63E-03
		Cs-137	<1.39E-02	0.00E+00	1.39E-02
		Be-7	<9.63E-02	0.00E+00	9.63E-02
Sample ID: 297644	Sample Dates: 7/7/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		K-40	4.29E-01	1.91E-01	5.53E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.





# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 4 [ INDICATOR - NNE @ 3.1 miles ]

Sample ID: 298180	Sample Dates: 7/14/2014 - 7/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<4.96E-02	0.00E+00	4.96E-02
		Cs-134	<1.53E-02	0.00E+00	1.53E-02
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<1.32E-01	0.00E+00	1.32E-01
		K-40	3.56E-01	2.08E-01	8.04E-02
Sample ID: 350182	Sample Dates: 7/21/2014 - 7/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.92E-02	0.00E+00	2.92E-02
		Cs-134	<2.00E-02	0.00E+00	2.00E-02
		Cs-137	<4.77E-03	0.00E+00	4.77E-03
		Be-7	<1.23E-01	0.00E+00	1.23E-01
		K-40	2.97E-01	1.90E-01	8.06E-02
Sample ID: 350923	Sample Dates: 7/28/2014 - 8/4/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.66E-02	0.00E+00	1.66E-02
		Cs-134	<1.70E-02	0.00E+00	1.70E-02
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<1.33E-01	0.00E+00	1.33E-01
		K-40	5.65E-01	2.63E-01	8.05E-02
Sample ID: 351169	Sample Dates: 8/4/2014 - 8/11/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.21E-02	0.00E+00	1.21E-02
		Cs-134	<1.52E-02	0.00E+00	1.52E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.20E-01	0.00E+00	1.20E-01
		K-40	<5.98E-01	0.00E+00	5.98E-01
Sample ID: 351542	Sample Dates: 8/11/2014 - 8/18/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.20E-02	0.00E+00	2.20E-02
		Cs-134	<2.53E-02	0.00E+00	2.53E-02
		Cs-137	<1.29E-02	0.00E+00	1.29E-02
		Be-7	<8.23E-02	0.00E+00	8.23E-02
		K-40	5.56E-01	3.08E-01	3.48E-01
Sample ID: 353398	Sample Dates: 8/18/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.55E-02	0.00E+00	1.55E-02
		Cs-134	<1.97E-02	0.00E+00	1.97E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.47E-01	0.00E+00	1.47E-01
		K-40	3.22E-01	2.22E-01	2.46E-01
Sample ID: 353992	Sample Dates: 8/25/2014 - 9/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.01E-02	0.00E+00	2.01E-02
		Cs-134	<2.22E-02	0.00E+00	2.22E-02
		Cs-137	<1.85E-02	0.00E+00	1.85E-02
		Be-7	<1.38E-01	0.00E+00	1.38E-01
		K-40	2.34E-01	2.03E-01	2.81E-01
Sample ID: 354415	Sample Dates: 9/2/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<3.50E-02	0.00E+00	3.50E-02
		Cs-134	<5.95E-03	0.00E+00	5.95E-03
		Cs-137	<2.38E-02	0.00E+00	2.38E-02
		Be-7	<1.45E-01	0.00E+00	1.45E-01
		K-40	<6.70E-01	0.00E+00	6.70E-01
Sample ID: 354726	Sample Dates: 9/8/2014 - 9/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.36E-02	0.00E+00	2.36E-02
		Cs-134	<2.98E-02	0.00E+00	2.98E-02
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<1.21E-01	0.00E+00	1.21E-01
		K-40	<7.31E-01	0.00E+00	7.31E-01
Sample ID: 355100	Sample Dates: 9/15/2014 - 9/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.03E-02	0.00E+00	2.03E-02
		Cs-134	<1.85E-02	0.00E+00	1.85E-02
		Cs-137	<2.31E-02	0.00E+00	2.31E-02
		Be-7	<1.45E-01	0.00E+00	1.45E-01
		K-40	6.54E-01	2.84E-01	8.05E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 4 [ INDICATOR - NNE @ 3.1 miles ]

Sample ID: 355600	Sample Dates: 9/22/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.15E-02	0.00E+00	2.15E-02
		Cs-134	<1.52E-02	0.00E+00	1.52E-02
		Cs-137	<2.12E-02	0.00E+00	2.12E-02
		Be-7	<1.58E-01	0.00E+00	1.58E-01
		K-40	5.13E-01	2.84E-01	3.00E-01
Sample ID: 356461	Sample Dates: 9/29/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.67E-02	0.00E+00	2.67E-02
		Cs-134	<1.04E-02	0.00E+00	1.04E-02
		Cs-137	<1.64E-02	0.00E+00	1.64E-02
		Be-7	<1.47E-01	0.00E+00	1.47E-01
		K-40	3.77E-01	2.38E-01	2.52E-01
Sample ID: 357011	Sample Dates: 10/6/2014 - 10/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.85E-02	0.00E+00	2.85E-02
		Cs-134	<1.70E-02	0.00E+00	1.70E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.04E-01	0.00E+00	1.04E-01
		K-40	<5.80E-01	0.00E+00	5.80E-01
Sample ID: 358004	Sample Dates: 10/13/2014 - 10/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.79E-02	0.00E+00	1.79E-02
		Cs-134	<1.31E-02	0.00E+00	1.31E-02
		Cs-137	<2.11E-02	0.00E+00	2.11E-02
		Be-7	<1.04E-01	0.00E+00	1.04E-01
		K-40	4.75E-01	2.41E-01	8.05E-02
Sample ID: 358625	Sample Dates: 10/20/2014 - 10/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.53E-02	0.00E+00	2.53E-02
		Cs-134	<1.70E-02	0.00E+00	1.70E-02
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<1.60E-01	0.00E+00	1.60E-01
		K-40	4.65E-01	2.97E-01	3.72E-01
Sample ID: 359238	Sample Dates: 10/27/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.84E-02	0.00E+00	1.84E-02
		Cs-134	<1.70E-02	0.00E+00	1.70E-02
		Cs-137	<2.12E-02	0.00E+00	2.12E-02
		Be-7	<1.56E-01	0.00E+00	1.56E-01
		K-40	<6.34E-01	0.00E+00	6.34E-01
Sample ID: 359990	Sample Dates: 11/3/2014 - 11/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<3.17E-02	0.00E+00	3.17E-02
		Cs-134	<2.00E-02	0.00E+00	2.00E-02
		Cs-137	<2.12E-02	0.00E+00	2.12E-02
		Be-7	<3.07E-02	0.00E+00	3.07E-02
		K-40	<5.99E-01	0.00E+00	5.99E-01
Sample ID: 360677	Sample Dates: 11/10/2014 - 11/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.02E-02	0.00E+00	2.02E-02
		Cs-134	<3.82E-03	0.00E+00	3.82E-03
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<1.34E-01	0.00E+00	1.34E-01
		K-40	5.65E-01	3.47E-01	4.52E-01
Sample ID: 361543	Sample Dates: 11/17/2014 - 11/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.05E-02	0.00E+00	2.05E-02
		Cs-134	<1.70E-02	0.00E+00	1.70E-02
		Cs-137	<1.64E-02	0.00E+00	1.64E-02
		Be-7	<1.19E-01	0.00E+00	1.19E-01
		K-40	4.75E-01	2.41E-01	8.05E-02
Sample ID: 361927	Sample Dates: 11/24/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<3.97E-02	0.00E+00	3.97E-02
		Cs-134	<1.76E-02	0.00E+00	1.76E-02
		Cs-137	<1.28E-02	0.00E+00	1.28E-02
		Be-7	<1.33E-01	0.00E+00	1.33E-01
		K-40	6.13E-01	2.71E-01	2.41E-01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 4 [ INDICATOR - NNE @ 3.1 miles ]

Sample ID: 362743	Sample Dates: 12/1/2014 - 12/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<3.06E-02	0.00E+00	3.06E-02
		Cs-134	<1.63E-02	0.00E+00	1.63E-02
		Cs-137	<4.21E-03	0.00E+00	4.21E-03
		Be-7	<1.20E-01	0.00E+00	1.20E-01
		K-40	4.04E-01	2.11E-01	7.30E-02
Sample ID: 363488	Sample Dates: 12/8/2014 - 12/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.30E-02	0.00E+00	1.30E-02
		Cs-134	<9.01E-03	0.00E+00	9.01E-03
		Cs-137	<7.94E-03	0.00E+00	7.94E-03
		Be-7	<9.53E-02	0.00E+00	9.53E-02
		K-40	3.52E-01	1.64E-01	1.64E-01
Sample ID: 363939	Sample Dates: 12/15/2014 - 12/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.26E-02	0.00E+00	1.26E-02
		Cs-134	<1.55E-02	0.00E+00	1.55E-02
		Cs-137	<1.65E-02	0.00E+00	1.65E-02
		Be-7	<9.42E-02	0.00E+00	9.42E-02
		K-40	4.08E-01	2.20E-01	2.71E-01
Sample ID: 364470	Sample Dates: 12/22/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.45E-02	0.00E+00	1.45E-02
		Cs-134	<7.42E-03	0.00E+00	7.42E-03
		Cs-137	<1.36E-02	0.00E+00	1.36E-02
		Be-7	<6.64E-02	0.00E+00	6.64E-02
		K-40	<3.28E-01	0.00E+00	3.28E-01

## Sample Point 5 [ CONTROL - WNW @ 12 miles ]

Sample ID: 280662	Sample Dates: 12/30/2013 - 1/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<5.50E-02	0.00E+00	5.50E-02
		Cs-134	<3.92E-02	0.00E+00	3.92E-02
		Cs-137	<3.28E-02	0.00E+00	3.28E-02
		Be-7	<4.00E-01	0.00E+00	4.00E-01
		K-40	9.04E-01	3.03E-01	5.69E-01
Sample ID: 280835	Sample Dates: 1/6/2014 - 1/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<3.74E-02	0.00E+00	3.74E-02
		Cs-134	<4.36E-02	0.00E+00	4.36E-02
		Cs-137	<2.60E-02	0.00E+00	2.60E-02
		Be-7	<2.27E-01	0.00E+00	2.27E-01
		K-40	1.03E+00	2.57E-01	5.82E-01
Sample ID: 281194	Sample Dates: 1/13/2014 - 1/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.66E-02	0.00E+00	2.66E-02
		Cs-134	<1.99E-02	0.00E+00	1.99E-02
		Cs-137	<1.97E-02	0.00E+00	1.97E-02
		Be-7	<1.42E-01	0.00E+00	1.42E-01
		K-40	1.29E+00	1.86E-01	7.25E-02
Sample ID: 281515	Sample Dates: 1/20/2014 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.56E-02	0.00E+00	2.56E-02
		Cs-134	<1.80E-02	0.00E+00	1.80E-02
		Cs-137	<2.45E-02	0.00E+00	2.45E-02
		Be-7	<1.74E-01	0.00E+00	1.74E-01
		K-40	1.10E+00	2.15E-01	2.83E-01
Sample ID: 282138	Sample Dates: 1/27/2014 - 2/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.11E-02	0.00E+00	2.11E-02
		Cs-134	<2.08E-02	0.00E+00	2.08E-02
		Cs-137	<2.59E-02	0.00E+00	2.59E-02
		Be-7	<1.55E-01	0.00E+00	1.55E-01
		K-40	1.21E+00	1.79E-01	7.13E-02
Sample ID: 282950	Sample Dates: 2/3/2014 - 2/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.49E-02	0.00E+00	2.49E-02
		Cs-134	<1.85E-02	0.00E+00	1.85E-02
		Cs-137	<1.80E-02	0.00E+00	1.80E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 5 [ CONTROL - WNW @ 12 miles ]

Sample ID:	282950	Sample Dates:	2/3/2014 - 2/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<1.73E-01	0.00E+00	1.73E-01
				K-40	3.34E-01	1.48E-01	2.74E-01
Sample ID:	283397	Sample Dates:	2/10/2014 - 2/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.34E-02	0.00E+00	1.34E-02
				Cs-134	<1.04E-02	0.00E+00	1.04E-02
				Cs-137	<7.06E-03	0.00E+00	7.06E-03
				Be-7	<8.43E-02	0.00E+00	8.43E-02
				K-40	4.68E-01	8.02E-02	2.17E-01
Sample ID:	284564	Sample Dates:	2/17/2014 - 2/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.22E-02	0.00E+00	1.22E-02
				Cs-134	<8.75E-03	0.00E+00	8.75E-03
				Cs-137	<8.34E-03	0.00E+00	8.34E-03
				Be-7	<6.68E-02	0.00E+00	6.68E-02
				K-40	3.60E-01	9.79E-02	1.77E-01
Sample ID:	285125	Sample Dates:	2/24/2014 - 3/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.68E-02	0.00E+00	2.68E-02
				Cs-134	<1.67E-02	0.00E+00	1.67E-02
				Cs-137	<1.36E-02	0.00E+00	1.36E-02
				Be-7	<1.47E-01	0.00E+00	1.47E-01
				K-40	4.70E-01	1.40E-01	7.72E-02
Sample ID:	285730	Sample Dates:	3/3/2014 - 3/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.36E-02	0.00E+00	1.36E-02
				Cs-134	<1.10E-02	0.00E+00	1.10E-02
				Cs-137	<1.14E-02	0.00E+00	1.14E-02
				Be-7	<8.73E-02	0.00E+00	8.73E-02
				K-40	3.73E-01	7.17E-02	9.98E-02
Sample ID:	286234	Sample Dates:	3/10/2014 - 3/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.48E-02	0.00E+00	2.48E-02
				Cs-134	<1.52E-02	0.00E+00	1.52E-02
				Cs-137	<2.02E-02	0.00E+00	2.02E-02
				Be-7	<1.49E-01	0.00E+00	1.49E-01
				K-40	5.15E-01	1.21E-01	2.58E-01
Sample ID:	287119	Sample Dates:	3/17/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.46E-02	0.00E+00	1.46E-02
				Cs-134	<1.46E-02	0.00E+00	1.46E-02
				Cs-137	<1.47E-02	0.00E+00	1.47E-02
				Be-7	<1.04E-01	0.00E+00	1.04E-01
				K-40	<4.95E-01	0.00E+00	4.95E-01
Sample ID:	288370	Sample Dates:	3/24/2014 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.21E-02	0.00E+00	2.21E-02
				Cs-134	<1.97E-02	0.00E+00	1.97E-02
				Cs-137	<2.00E-02	0.00E+00	2.00E-02
				Be-7	<1.57E-01	0.00E+00	1.57E-01
				K-40	4.22E-01	1.34E-01	3.00E-01
Sample ID:	289094	Sample Dates:	3/31/2014 - 4/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.51E-02	0.00E+00	1.51E-02
				Cs-134	<9.13E-03	0.00E+00	9.13E-03
				Cs-137	<9.66E-03	0.00E+00	9.66E-03
				Be-7	<7.20E-02	0.00E+00	7.20E-02
				K-40	<4.10E-01	0.00E+00	4.10E-01
Sample ID:	289480	Sample Dates:	4/7/2014 - 4/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.16E-02	0.00E+00	2.16E-02
				Cs-134	<1.84E-02	0.00E+00	1.84E-02
				Cs-137	<2.29E-02	0.00E+00	2.29E-02
				Be-7	<1.58E-01	0.00E+00	1.58E-01
				K-40	5.33E-01	1.55E-01	2.56E-01
Sample ID:	289890	Sample Dates:	4/14/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.39E-02	0.00E+00	2.39E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 5 [ CONTROL - WNW @ 12 miles ]

Sample ID: 289890	Sample Dates: 4/14/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Cs-134	<2.42E-02	0.00E+00	2.42E-02
		Cs-137	<1.79E-02	0.00E+00	1.79E-02
		Be-7	<1.83E-01	0.00E+00	1.83E-01
		K-40	4.86E-01	1.18E-01	2.59E-01
Sample ID: 291495	Sample Dates: 4/21/2014 - 4/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.38E-02	0.00E+00	1.38E-02
		Cs-134	<7.82E-03	0.00E+00	7.82E-03
		Cs-137	<1.48E-02	0.00E+00	1.48E-02
		Be-7	<8.73E-02	0.00E+00	8.73E-02
Sample ID: 292789	Sample Dates: 4/28/2014 - 5/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.05E-02	0.00E+00	2.05E-02
		Cs-134	<1.57E-02	0.00E+00	1.57E-02
		Cs-137	<2.27E-02	0.00E+00	2.27E-02
		Be-7	<1.77E-01	0.00E+00	1.77E-01
Sample ID: 293051	Sample Dates: 5/5/2014 - 5/12/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.29E-02	0.00E+00	1.29E-02
		Cs-134	<1.01E-02	0.00E+00	1.01E-02
		Cs-137	<1.36E-02	0.00E+00	1.36E-02
		Be-7	<9.44E-02	0.00E+00	9.44E-02
Sample ID: 294682	Sample Dates: 5/12/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<6.93E-03	0.00E+00	6.93E-03
		Cs-134	<1.05E-02	0.00E+00	1.05E-02
		Cs-137	<1.37E-02	0.00E+00	1.37E-02
		Be-7	<6.96E-02	0.00E+00	6.96E-02
Sample ID: 295191	Sample Dates: 5/19/2014 - 5/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.99E-02	0.00E+00	1.99E-02
		Cs-134	<1.75E-02	0.00E+00	1.75E-02
		Cs-137	<1.92E-02	0.00E+00	1.92E-02
		Be-7	<1.09E-01	0.00E+00	1.09E-01
Sample ID: 295452	Sample Dates: 5/27/2014 - 6/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<3.28E-02	0.00E+00	3.28E-02
		Cs-134	<2.06E-02	0.00E+00	2.06E-02
		Cs-137	<2.96E-02	0.00E+00	2.96E-02
		Be-7	<1.94E-01	0.00E+00	1.94E-01
Sample ID: 295967	Sample Dates: 6/2/2014 - 6/9/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.19E-02	0.00E+00	1.19E-02
		Cs-134	<8.10E-03	0.00E+00	8.10E-03
		Cs-137	<1.19E-02	0.00E+00	1.19E-02
		Be-7	<8.50E-02	0.00E+00	8.50E-02
Sample ID: 296212	Sample Dates: 6/9/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.46E-02	0.00E+00	1.46E-02
		Cs-134	<1.03E-02	0.00E+00	1.03E-02
		Cs-137	<7.18E-03	0.00E+00	7.18E-03
		Be-7	<5.59E-02	0.00E+00	5.59E-02
Sample ID: 296733	Sample Dates: 6/16/2014 - 6/23/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.44E-02	0.00E+00	1.44E-02
		Cs-134	<9.81E-03	0.00E+00	9.81E-03
		Cs-137	<1.15E-02	0.00E+00	1.15E-02
		Be-7	<6.30E-02	0.00E+00	6.30E-02
Sample ID: 296733	Sample Dates: 6/16/2014 - 6/23/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		K-40	4.00E-01	7.43E-02	3.73E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 5 [ CONTROL - WNW @ 12 miles ]

Sample ID: 296960	Sample Dates: 6/23/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.29E-02	0.00E+00	1.29E-02
		Cs-134	<8.61E-03	0.00E+00	8.61E-03
		Cs-137	<1.10E-02	0.00E+00	1.10E-02
		Be-7	<6.67E-02	0.00E+00	6.67E-02
		K-40	7.05E-02	8.26E-02	3.72E-02
Sample ID: 297357	Sample Dates: 6/30/2014 - 7/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.26E-02	0.00E+00	2.26E-02
		Cs-134	<1.40E-02	0.00E+00	1.40E-02
		Cs-137	<2.18E-02	0.00E+00	2.18E-02
		Be-7	<1.67E-01	0.00E+00	1.67E-01
		K-40	2.00E-01	1.25E-01	2.68E-01
Sample ID: 297645	Sample Dates: 7/7/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.95E-02	0.00E+00	2.95E-02
		Cs-134	<1.26E-02	0.00E+00	1.26E-02
		Cs-137	<1.36E-02	0.00E+00	1.36E-02
		Be-7	<1.20E-01	0.00E+00	1.20E-01
		K-40	5.56E-01	1.84E-01	3.86E-02
Sample ID: 298181	Sample Dates: 7/14/2014 - 7/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<4.09E-02	0.00E+00	4.09E-02
		Cs-134	<1.54E-02	0.00E+00	1.54E-02
		Cs-137	<1.91E-02	0.00E+00	1.91E-02
		Be-7	<1.74E-01	0.00E+00	1.74E-01
		K-40	<5.82E-01	0.00E+00	5.82E-01
Sample ID: 350184	Sample Dates: 7/21/2014 - 7/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<3.08E-02	0.00E+00	3.08E-02
		Cs-134	<1.53E-02	0.00E+00	1.53E-02
		Cs-137	<2.31E-02	0.00E+00	2.31E-02
		Be-7	<1.23E-01	0.00E+00	1.23E-01
		K-40	4.31E-01	2.58E-01	2.77E-01
Sample ID: 350925	Sample Dates: 7/28/2014 - 8/4/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.43E-02	0.00E+00	1.43E-02
		Cs-134	<1.52E-02	0.00E+00	1.52E-02
		Cs-137	<2.31E-02	0.00E+00	2.31E-02
		Be-7	<2.00E-01	0.00E+00	2.00E-01
		K-40	3.86E-01	2.17E-01	8.05E-02
Sample ID: 351171	Sample Dates: 8/4/2014 - 8/11/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.12E-02	0.00E+00	2.12E-02
		Cs-134	<1.84E-02	0.00E+00	1.84E-02
		Cs-137	<1.88E-02	0.00E+00	1.88E-02
		Be-7	<1.66E-01	0.00E+00	1.66E-01
		K-40	4.40E-01	2.89E-01	3.65E-01
Sample ID: 351546	Sample Dates: 8/11/2014 - 8/18/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.20E-02	0.00E+00	2.20E-02
		Cs-134	<5.75E-03	0.00E+00	5.75E-03
		Cs-137	<1.65E-02	0.00E+00	1.65E-02
		Be-7	<1.21E-01	0.00E+00	1.21E-01
		K-40	4.98E-01	3.05E-01	3.75E-01
Sample ID: 353400	Sample Dates: 8/18/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.00E-02	0.00E+00	2.00E-02
		Cs-134	<1.96E-02	0.00E+00	1.96E-02
		Cs-137	<2.12E-02	0.00E+00	2.12E-02
		Be-7	<1.21E-01	0.00E+00	1.21E-01
		K-40	5.10E-01	2.86E-01	3.09E-01
Sample ID: 353997	Sample Dates: 8/25/2014 - 9/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.71E-02	0.00E+00	1.71E-02
		Cs-134	<1.99E-02	0.00E+00	1.99E-02
		Cs-137	<1.66E-02	0.00E+00	1.66E-02
		Be-7	<7.18E-02	0.00E+00	7.18E-02
		K-40	<4.72E-01	0.00E+00	4.72E-01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 5 [ CONTROL - WNW @ 12 miles ]

Sample ID: 354417	Sample Dates: 9/2/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.31E-02	0.00E+00	1.31E-02
		Cs-134	<1.79E-02	0.00E+00	1.79E-02
		Cs-137	<1.07E-02	0.00E+00	1.07E-02
		Be-7	<9.62E-02	0.00E+00	9.62E-02
		K-40	4.61E-01	2.01E-01	1.94E-01
Sample ID: 354728	Sample Dates: 9/8/2014 - 9/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.35E-02	0.00E+00	2.35E-02
		Cs-134	<2.54E-02	0.00E+00	2.54E-02
		Cs-137	<1.64E-02	0.00E+00	1.64E-02
		Be-7	<1.21E-01	0.00E+00	1.21E-01
		K-40	<6.00E-01	0.00E+00	6.00E-01
Sample ID: 355104	Sample Dates: 9/15/2014 - 9/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.86E-02	0.00E+00	1.86E-02
		Cs-134	<1.85E-02	0.00E+00	1.85E-02
		Cs-137	<2.49E-02	0.00E+00	2.49E-02
		Be-7	<1.45E-01	0.00E+00	1.45E-01
		K-40	5.54E-01	2.83E-01	2.63E-01
Sample ID: 355602	Sample Dates: 9/22/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.30E-02	0.00E+00	2.30E-02
		Cs-134	<1.70E-02	0.00E+00	1.70E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.34E-01	0.00E+00	1.34E-01
		K-40	4.16E-01	2.78E-01	3.50E-01
Sample ID: 356463	Sample Dates: 9/29/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.01E-02	0.00E+00	2.01E-02
		Cs-134	<1.85E-02	0.00E+00	1.85E-02
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<1.21E-01	0.00E+00	1.21E-01
		K-40	3.11E-01	2.45E-01	3.26E-01
Sample ID: 357013	Sample Dates: 10/6/2014 - 10/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.97E-02	0.00E+00	2.97E-02
		Cs-134	<1.52E-02	0.00E+00	1.52E-02
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<1.35E-01	0.00E+00	1.35E-01
		K-40	4.30E-01	2.59E-01	2.80E-01
Sample ID: 358006	Sample Dates: 10/13/2014 - 10/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.63E-02	0.00E+00	2.63E-02
		Cs-134	<1.31E-02	0.00E+00	1.31E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.46E-01	0.00E+00	1.46E-01
		K-40	5.04E-01	2.48E-01	8.04E-02
Sample ID: 358627	Sample Dates: 10/20/2014 - 10/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.34E-02	0.00E+00	2.34E-02
		Cs-134	<1.85E-02	0.00E+00	1.85E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.22E-01	0.00E+00	1.22E-01
		K-40	4.10E-01	2.62E-01	3.08E-01
Sample ID: 359242	Sample Dates: 10/27/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.65E-02	0.00E+00	1.65E-02
		Cs-134	<1.52E-02	0.00E+00	1.52E-02
		Cs-137	<4.77E-03	0.00E+00	4.77E-03
		Be-7	<1.45E-01	0.00E+00	1.45E-01
		K-40	5.65E-01	2.63E-01	8.05E-02
Sample ID: 359992	Sample Dates: 11/3/2014 - 11/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.18E-02	0.00E+00	2.18E-02
		Cs-134	<1.70E-02	0.00E+00	1.70E-02
		Cs-137	<1.64E-02	0.00E+00	1.64E-02
		Be-7	<1.22E-01	0.00E+00	1.22E-01
		K-40	<7.16E-01	0.00E+00	7.16E-01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 5 [ CONTROL - WNW @ 12 miles ]

Sample ID: 360679	Sample Dates: 11/10/2014 - 11/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.55E-02	0.00E+00	1.55E-02
		Cs-134	<1.31E-02	0.00E+00	1.31E-02
		Cs-137	<2.11E-02	0.00E+00	2.11E-02
		Be-7	<1.34E-01	0.00E+00	1.34E-01
		K-40	6.22E-01	3.53E-01	4.41E-01
Sample ID: 361545	Sample Dates: 11/17/2014 - 11/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.34E-02	0.00E+00	2.34E-02
		Cs-134	<1.52E-02	0.00E+00	1.52E-02
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<1.03E-01	0.00E+00	1.03E-01
		K-40	<6.34E-01	0.00E+00	6.34E-01
Sample ID: 361929	Sample Dates: 11/24/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.11E-02	0.00E+00	2.11E-02
		Cs-134	<1.56E-02	0.00E+00	1.56E-02
		Cs-137	<1.49E-02	0.00E+00	1.49E-02
		Be-7	<1.13E-01	0.00E+00	1.13E-01
		K-40	<4.23E-01	0.00E+00	4.23E-01
Sample ID: 362745	Sample Dates: 12/1/2014 - 12/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.06E-02	0.00E+00	1.06E-02
		Cs-134	<1.04E-02	0.00E+00	1.03E-02
		Cs-137	<1.03E-02	0.00E+00	1.03E-02
		Be-7	<7.99E-02	0.00E+00	7.99E-02
		K-40	<3.49E-01	0.00E+00	3.49E-01
Sample ID: 363490	Sample Dates: 12/8/2014 - 12/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.73E-02	0.00E+00	1.73E-02
		Cs-134	<1.15E-02	0.00E+00	1.15E-02
		Cs-137	<1.87E-02	0.00E+00	1.87E-02
		Be-7	<1.26E-01	0.00E+00	1.26E-01
		K-40	6.20E-01	2.94E-01	2.88E-01
Sample ID: 363941	Sample Dates: 12/15/2014 - 12/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.74E-02	0.00E+00	1.74E-02
		Cs-134	<1.25E-02	0.00E+00	1.25E-02
		Cs-137	<1.43E-02	0.00E+00	1.43E-02
		Be-7	<1.19E-01	0.00E+00	1.19E-01
		K-40	7.23E-01	2.34E-01	4.78E-02
Sample ID: 364472	Sample Dates: 12/22/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.83E-02	0.00E+00	1.83E-02
		Cs-134	<1.48E-02	0.00E+00	1.48E-02
		Cs-137	<1.19E-02	0.00E+00	1.19E-02
		Be-7	<8.71E-02	0.00E+00	8.71E-02
		K-40	8.35E-01	2.53E-01	4.81E-02

Sample Point 26 [ INDICATOR - S @ 4.7 miles ]

Sample ID: 280663	Sample Dates: 12/30/2013 - 1/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<4.89E-02	0.00E+00	4.89E-02
		Cs-134	<3.02E-02	0.00E+00	3.02E-02
		Cs-137	<3.56E-02	0.00E+00	3.56E-02
		Be-7	<3.76E-01	0.00E+00	3.76E-01
		K-40	<1.21E+00	0.00E+00	1.21E+00
Sample ID: 280836	Sample Dates: 1/6/2014 - 1/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<3.77E-02	0.00E+00	3.77E-02
		Cs-134	<4.06E-02	0.00E+00	4.06E-02
		Cs-137	<4.25E-02	0.00E+00	4.25E-02
		Be-7	<2.49E-01	0.00E+00	2.49E-01
		K-40	9.31E-01	2.49E-01	1.80E-01
Sample ID: 281195	Sample Dates: 1/13/2014 - 1/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<5.47E-02	0.00E+00	5.47E-02
		Cs-134	<4.19E-02	0.00E+00	4.19E-02
		Cs-137	<3.90E-02	0.00E+00	3.90E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.





# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 26 [ INDICATOR - S @ 4.7 miles ]

Sample ID: 281195	Sample Dates: 1/13/2014 - 1/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<2.67E-01	0.00E+00	2.67E-01
		K-40	<1.06E+00	0.00E+00	1.06E+00
Sample ID: 281516	Sample Dates: 1/20/2014 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.53E-02	0.00E+00	2.53E-02
		Cs-134	<1.47E-02	0.00E+00	1.47E-02
		Cs-137	<2.11E-02	0.00E+00	2.11E-02
		Be-7	<1.53E-01	0.00E+00	1.53E-01
Sample ID: 282139	Sample Dates: 1/27/2014 - 2/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.68E-02	0.00E+00	2.68E-02
		Cs-134	<2.26E-02	0.00E+00	2.26E-02
		Cs-137	<2.30E-02	0.00E+00	2.30E-02
		Be-7	<1.42E-01	0.00E+00	1.42E-01
Sample ID: 282951	Sample Dates: 2/3/2014 - 2/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.15E-02	0.00E+00	1.15E-02
		Cs-134	<1.25E-02	0.00E+00	1.25E-02
		Cs-137	<1.39E-02	0.00E+00	1.39E-02
		Be-7	<9.76E-02	0.00E+00	9.76E-02
Sample ID: 283398	Sample Dates: 2/10/2014 - 2/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.33E-02	0.00E+00	1.33E-02
		Cs-134	<8.57E-03	0.00E+00	8.57E-03
		Cs-137	<1.16E-02	0.00E+00	1.16E-02
		Be-7	<7.32E-02	0.00E+00	7.32E-02
Sample ID: 284565	Sample Dates: 2/17/2014 - 2/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.20E-02	0.00E+00	1.20E-02
		Cs-134	<9.45E-03	0.00E+00	9.45E-03
		Cs-137	<7.43E-03	0.00E+00	7.43E-03
		Be-7	<6.48E-02	0.00E+00	6.48E-02
Sample ID: 285126	Sample Dates: 2/24/2014 - 3/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.00E-02	0.00E+00	2.00E-02
		Cs-134	<1.49E-02	0.00E+00	1.49E-02
		Cs-137	<1.93E-02	0.00E+00	1.93E-02
		Be-7	<1.46E-01	0.00E+00	1.46E-01
Sample ID: 285731	Sample Dates: 3/3/2014 - 3/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.85E-02	0.00E+00	1.85E-02
		Cs-134	<1.74E-02	0.00E+00	1.74E-02
		Cs-137	<2.75E-02	0.00E+00	2.75E-02
		Be-7	<1.53E-01	0.00E+00	1.53E-01
Sample ID: 286235	Sample Dates: 3/10/2014 - 3/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.54E-02	0.00E+00	2.54E-02
		Cs-134	<1.79E-02	0.00E+00	1.79E-02
		Cs-137	<2.19E-02	0.00E+00	2.19E-02
		Be-7	<1.05E-01	0.00E+00	1.05E-01
Sample ID: 287120	Sample Dates: 3/17/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<8.42E-03	0.00E+00	8.42E-03
		Cs-134	<1.38E-02	0.00E+00	1.38E-02
		Cs-137	<1.28E-02	0.00E+00	1.28E-02
		Be-7	<9.50E-02	0.00E+00	9.50E-02
Sample ID: 288371	Sample Dates: 3/24/2014 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.84E-02	0.00E+00	1.84E-02
		K-40	3.55E-01	1.03E-01	1.86E-01
		Be-7	<9.50E-02	0.00E+00	9.50E-02
		Cs-137	<1.28E-02	0.00E+00	1.28E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 26 [ INDICATOR - S @ 4.7 miles ]

Sample ID: 288371	Sample Dates: 3/24/2014 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Cs-134	<1.73E-02	0.00E+00	1.73E-02
		Cs-137	<1.74E-02	0.00E+00	1.74E-02
		Be-7	<1.80E-01	0.00E+00	1.80E-01
		K-40	6.05E-01	1.32E-01	2.61E-01
Sample ID: 289095	Sample Dates: 3/31/2014 - 4/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.24E-02	0.00E+00	1.24E-02
		Cs-134	<1.28E-02	0.00E+00	1.28E-02
		Cs-137	<1.37E-02	0.00E+00	1.37E-02
		Be-7	<5.89E-02	0.00E+00	5.89E-02
Sample ID: 289481	Sample Dates: 4/7/2014 - 4/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.60E-02	0.00E+00	2.60E-02
		Cs-134	<1.70E-02	0.00E+00	1.70E-02
		Cs-137	<1.54E-02	0.00E+00	1.54E-02
		Be-7	<1.48E-01	0.00E+00	1.48E-01
Sample ID: 289891	Sample Dates: 4/14/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.78E-02	0.00E+00	2.78E-02
		Cs-134	<1.63E-02	0.00E+00	1.63E-02
		Cs-137	<2.51E-02	0.00E+00	2.51E-02
		Be-7	<1.58E-01	0.00E+00	1.58E-01
Sample ID: 291496	Sample Dates: 4/21/2014 - 4/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.27E-02	0.00E+00	1.27E-02
		Cs-134	<8.20E-03	0.00E+00	8.20E-03
		Cs-137	<1.09E-02	0.00E+00	1.09E-02
		Be-7	<6.72E-02	0.00E+00	6.72E-02
Sample ID: 292790	Sample Dates: 4/28/2014 - 5/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<9.94E-03	0.00E+00	9.94E-03
		Cs-134	<1.13E-02	0.00E+00	1.13E-02
		Cs-137	<8.08E-03	0.00E+00	8.08E-03
		Be-7	<5.09E-02	0.00E+00	5.09E-02
Sample ID: 293052	Sample Dates: 5/5/2014 - 5/12/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.12E-02	0.00E+00	1.12E-02
		Cs-134	<8.90E-03	0.00E+00	8.90E-03
		Cs-137	<9.42E-03	0.00E+00	9.42E-03
		Be-7	<7.98E-02	0.00E+00	7.98E-02
Sample ID: 294683	Sample Dates: 5/12/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.36E-02	0.00E+00	1.36E-02
		Cs-134	<9.09E-03	0.00E+00	9.09E-03
		Cs-137	<1.00E-02	0.00E+00	1.00E-02
		Be-7	<6.45E-02	0.00E+00	6.45E-02
Sample ID: 295192	Sample Dates: 5/19/2014 - 5/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.60E-02	0.00E+00	2.60E-02
		Cs-134	<1.42E-02	0.00E+00	1.42E-02
		Cs-137	<1.58E-02	0.00E+00	1.58E-02
		Be-7	<1.55E-01	0.00E+00	1.55E-01
Sample ID: 295453	Sample Dates: 5/27/2014 - 6/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.28E-02	0.00E+00	2.28E-02
		Cs-134	<1.44E-02	0.00E+00	1.44E-02
		Cs-137	<1.93E-02	0.00E+00	1.93E-02
		Be-7	<1.58E-01	0.00E+00	1.58E-01
Sample ID: 295453	Sample Dates: 5/27/2014 - 6/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		K-40	6.27E-01	1.74E-01	8.99E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 26 [ INDICATOR - S @ 4.7 miles ]

Sample ID: 295968	Sample Dates: 6/2/2014 - 6/9/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.36E-02	0.00E+00	2.36E-02
		Cs-134	<1.56E-02	0.00E+00	1.56E-02
		Cs-137	<1.51E-02	0.00E+00	1.51E-02
		Be-7	<1.42E-01	0.00E+00	1.42E-01
		K-40	5.57E-01	1.25E-01	7.53E-02
Sample ID: 296213	Sample Dates: 6/9/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.16E-02	0.00E+00	1.16E-02
		Cs-134	<9.07E-03	0.00E+00	9.07E-03
		Cs-137	<9.26E-03	0.00E+00	9.26E-03
		Be-7	<6.30E-02	0.00E+00	6.30E-02
		K-40	5.39E-01	8.13E-02	1.15E-01
Sample ID: 296734	Sample Dates: 6/16/2014 - 6/23/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.22E-02	0.00E+00	1.22E-02
		Cs-134	<8.21E-03	0.00E+00	8.21E-03
		Cs-137	<1.08E-02	0.00E+00	1.08E-02
		Be-7	<7.22E-02	0.00E+00	7.22E-02
		K-40	5.28E-01	8.93E-02	1.08E-01
Sample ID: 296961	Sample Dates: 6/23/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.69E-02	0.00E+00	1.69E-02
		Cs-134	<1.29E-02	0.00E+00	1.29E-02
		Cs-137	<1.44E-02	0.00E+00	1.44E-02
		Be-7	<1.20E-01	0.00E+00	1.20E-01
		K-40	<4.29E-01	0.00E+00	4.29E-01
Sample ID: 297358	Sample Dates: 6/30/2014 - 7/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.60E-02	0.00E+00	1.60E-02
		Cs-134	<1.43E-02	0.00E+00	1.43E-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	3.53E-01	9.10E-02	6.35E-02
Sample ID: 297646	Sample Dates: 7/7/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.84E-02	0.00E+00	1.84E-02
		Cs-134	<1.03E-02	0.00E+00	1.03E-02
		Cs-137	<1.49E-02	0.00E+00	1.49E-02
		Be-7	<1.25E-01	0.00E+00	1.25E-01
		K-40	3.88E-01	1.97E-01	6.57E-02
Sample ID: 298182	Sample Dates: 7/14/2014 - 7/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<4.94E-02	0.00E+00	4.94E-02
		Cs-134	<1.05E-02	0.00E+00	1.05E-02
		Cs-137	<1.65E-02	0.00E+00	1.65E-02
		Be-7	<1.74E-01	0.00E+00	1.74E-01
		K-40	<7.19E-01	0.00E+00	7.19E-01
Sample ID: 350181	Sample Dates: 7/21/2014 - 7/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.51E-02	0.00E+00	2.51E-02
		Cs-134	<1.52E-02	0.00E+00	1.52E-02
		Cs-137	<2.31E-02	0.00E+00	2.31E-02
		Be-7	<1.23E-01	0.00E+00	1.23E-01
		K-40	4.75E-01	2.41E-01	8.05E-02
Sample ID: 350922	Sample Dates: 7/28/2014 - 8/4/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.12E-02	0.00E+00	2.12E-02
		Cs-134	<1.51E-02	0.00E+00	1.51E-02
		Cs-137	<2.10E-02	0.00E+00	2.10E-02
		Be-7	<1.65E-01	0.00E+00	1.65E-01
		K-40	4.13E-01	2.24E-01	8.00E-02
Sample ID: 351168	Sample Dates: 8/4/2014 - 8/11/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.21E-02	0.00E+00	2.21E-02
		Cs-134	<1.49E-02	0.00E+00	1.49E-02
		Cs-137	<2.08E-02	0.00E+00	2.08E-02
		Be-7	<1.43E-01	0.00E+00	1.43E-01
		K-40	<5.68E-01	0.00E+00	5.68E-01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 26 [ INDICATOR - S @ 4.7 miles ]

Sample ID: 351540	Sample Dates: 8/11/2014 - 8/18/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.19E-02	0.00E+00	2.19E-02
		Cs-134	<2.32E-02	0.00E+00	2.32E-02
		Cs-137	<1.67E-02	0.00E+00	1.67E-02
		Be-7	<1.23E-01	0.00E+00	1.23E-01
		K-40	3.94E-01	2.21E-01	8.22E-02
Sample ID: 353397	Sample Dates: 8/18/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.62E-02	0.00E+00	2.62E-02
		Cs-134	<5.74E-03	0.00E+00	5.74E-03
		Cs-137	<1.65E-02	0.00E+00	1.65E-02
		Be-7	<1.58E-01	0.00E+00	1.58E-01
		K-40	<6.55E-01	0.00E+00	6.55E-01
Sample ID: 353989	Sample Dates: 8/25/2014 - 9/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.50E-02	0.00E+00	1.50E-02
		Cs-134	<2.21E-02	0.00E+00	2.21E-02
		Cs-137	<1.65E-02	0.00E+00	1.65E-02
		Be-7	<9.00E-02	0.00E+00	9.00E-02
		K-40	1.37E-01	1.89E-01	3.11E-01
Sample ID: 354414	Sample Dates: 9/2/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.63E-02	0.00E+00	2.63E-02
		Cs-134	<3.31E-02	0.00E+00	3.31E-02
		Cs-137	<2.40E-02	0.00E+00	2.40E-02
		Be-7	<1.05E-01	0.00E+00	1.05E-01
		K-40	<6.17E-01	0.00E+00	6.17E-01
Sample ID: 354725	Sample Dates: 9/8/2014 - 9/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.44E-02	0.00E+00	2.44E-02
		Cs-134	<5.66E-03	0.00E+00	5.66E-03
		Cs-137	<1.88E-02	0.00E+00	1.88E-02
		Be-7	<1.19E-01	0.00E+00	1.19E-01
		K-40	6.01E-01	3.32E-01	3.96E-01
Sample ID: 355098	Sample Dates: 9/15/2014 - 9/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.18E-02	0.00E+00	2.18E-02
		Cs-134	<1.54E-02	0.00E+00	1.54E-02
		Cs-137	<2.14E-02	0.00E+00	2.14E-02
		Be-7	<1.47E-01	0.00E+00	1.47E-01
		K-40	5.72E-01	2.67E-01	8.15E-02
Sample ID: 355599	Sample Dates: 9/22/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.42E-02	0.00E+00	2.42E-02
		Cs-134	<1.31E-02	0.00E+00	1.31E-02
		Cs-137	<1.29E-02	0.00E+00	1.29E-02
		Be-7	<1.33E-01	0.00E+00	1.33E-01
		K-40	4.17E-01	2.82E-01	3.60E-01
Sample ID: 356448	Sample Dates: 9/29/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.61E-02	0.00E+00	2.61E-02
		Cs-134	<1.30E-02	0.00E+00	1.30E-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	5.61E-01	2.62E-01	8.01E-02
Sample ID: 357010	Sample Dates: 10/6/2014 - 10/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.00E-02	0.00E+00	2.00E-02
		Cs-134	<1.30E-02	0.00E+00	1.30E-02
		Cs-137	<1.63E-02	0.00E+00	1.63E-02
		Be-7	<1.20E-01	0.00E+00	1.20E-01
		K-40	<5.95E-01	0.00E+00	5.95E-01
Sample ID: 358003	Sample Dates: 10/13/2014 - 10/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.33E-02	0.00E+00	2.33E-02
		Cs-134	<1.72E-02	0.00E+00	1.72E-02
		Cs-137	<1.92E-02	0.00E+00	1.92E-02
		Be-7	<1.22E-01	0.00E+00	1.22E-01
		K-40	<5.24E-01	0.00E+00	5.24E-01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 26 [ INDICATOR - S @ 4.7 miles ]

Sample ID: 358624	Sample Dates: 10/20/2014 - 10/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.65E-02	0.00E+00	2.65E-02
		Cs-134	<1.04E-02	0.00E+00	1.04E-02
		Cs-137	<2.11E-02	0.00E+00	2.11E-02
		Be-7	<1.35E-01	0.00E+00	1.35E-01
		K-40	<5.79E-01	0.00E+00	5.79E-01
Sample ID: 359236	Sample Dates: 10/27/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.27E-02	0.00E+00	2.27E-02
		Cs-134	<1.69E-02	0.00E+00	1.69E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<8.11E-02	0.00E+00	8.11E-02
		K-40	<6.83E-01	0.00E+00	6.83E-01
Sample ID: 359989	Sample Dates: 11/3/2014 - 11/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.52E-02	0.00E+00	2.52E-02
		Cs-134	<1.70E-02	0.00E+00	1.70E-02
		Cs-137	<2.12E-02	0.00E+00	2.12E-02
		Be-7	<1.22E-01	0.00E+00	1.22E-01
		K-40	3.72E-01	2.42E-01	2.72E-01
Sample ID: 360676	Sample Dates: 11/10/2014 - 11/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.50E-02	0.00E+00	2.50E-02
		Cs-134	<1.86E-02	0.00E+00	1.86E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.47E-01	0.00E+00	1.47E-01
		K-40	<6.54E-01	0.00E+00	6.54E-01
Sample ID: 361542	Sample Dates: 11/17/2014 - 11/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.43E-02	0.00E+00	2.43E-02
		Cs-134	<1.31E-02	0.00E+00	1.31E-02
		Cs-137	<1.89E-02	0.00E+00	1.89E-02
		Be-7	<1.02E-01	0.00E+00	1.02E-01
		K-40	5.67E-01	2.98E-01	3.09E-01
Sample ID: 361926	Sample Dates: 11/24/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<3.17E-02	0.00E+00	3.17E-02
		Cs-134	<1.33E-02	0.00E+00	1.33E-02
		Cs-137	<1.02E-02	0.00E+00	1.02E-02
		Be-7	<8.73E-02	0.00E+00	8.73E-02
		K-40	<4.57E-01	0.00E+00	4.57E-01
Sample ID: 362742	Sample Dates: 12/1/2014 - 12/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.40E-02	0.00E+00	1.40E-02
		Cs-134	<9.86E-03	0.00E+00	9.86E-03
		Cs-137	<1.07E-02	0.00E+00	1.07E-02
		Be-7	<7.07E-02	0.00E+00	7.07E-02
		K-40	2.54E-01	1.57E-01	2.04E-01
Sample ID: 363487	Sample Dates: 12/8/2014 - 12/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.07E-02	0.00E+00	2.07E-02
		Cs-134	<1.49E-02	0.00E+00	1.49E-02
		Cs-137	<1.44E-02	0.00E+00	1.44E-02
		Be-7	<1.26E-01	0.00E+00	1.26E-01
		K-40	<5.41E-01	0.00E+00	5.41E-01
Sample ID: 363938	Sample Dates: 12/15/2014 - 12/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.46E-02	0.00E+00	1.46E-02
		Cs-134	<1.25E-02	0.00E+00	1.25E-02
		Cs-137	<1.55E-02	0.00E+00	1.55E-02
		Be-7	<7.72E-02	0.00E+00	7.72E-02
		K-40	7.79E-01	2.73E-01	2.52E-01
Sample ID: 364469	Sample Dates: 12/22/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.30E-02	0.00E+00	1.30E-02
		Cs-134	<1.25E-02	0.00E+00	1.25E-02
		Cs-137	<1.91E-02	0.00E+00	1.91E-02
		Be-7	<8.65E-02	0.00E+00	8.65E-02
		K-40	8.13E-01	2.49E-01	4.79E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 47 [ INDICATOR - SSW @ 3.4 miles ]

Sample ID: 280664	Sample Dates: 12/30/2013 - 1/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<4.74E-02	0.00E+00	4.74E-02
		Cs-134	<3.53E-02	0.00E+00	3.53E-02
		Cs-137	<4.59E-02	0.00E+00	4.59E-02
		Be-7	<3.28E-01	0.00E+00	3.28E-01
		K-40	4.90E-01	1.73E-01	4.58E-01
Sample ID: 280837	Sample Dates: 1/6/2014 - 1/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<6.88E-02	0.00E+00	6.88E-02
		Cs-134	<4.06E-02	0.00E+00	4.06E-02
		Cs-137	<4.10E-02	0.00E+00	4.10E-02
		Be-7	<3.69E-01	0.00E+00	3.69E-01
		K-40	7.73E-01	3.17E-01	4.47E-01
Sample ID: 281196	Sample Dates: 1/13/2014 - 1/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<4.40E-02	0.00E+00	4.40E-02
		Cs-134	<3.19E-02	0.00E+00	3.19E-02
		Cs-137	<5.78E-02	0.00E+00	5.78E-02
		Be-7	<3.98E-01	0.00E+00	3.98E-01
		K-40	8.35E-01	2.68E-01	5.46E-01
Sample ID: 281517	Sample Dates: 1/20/2014 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.28E-02	0.00E+00	2.28E-02
		Cs-134	<2.61E-02	0.00E+00	2.61E-02
		Cs-137	<2.61E-02	0.00E+00	2.61E-02
		Be-7	<1.33E-01	0.00E+00	1.33E-01
		K-40	8.91E-01	1.90E-01	1.10E-01
Sample ID: 282140	Sample Dates: 1/27/2014 - 2/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<4.48E-02	0.00E+00	4.48E-02
		Cs-134	<2.12E-02	0.00E+00	2.12E-02
		Cs-137	<4.22E-02	0.00E+00	4.22E-02
		Be-7	<3.18E-01	0.00E+00	3.18E-01
		K-40	<1.24E+00	0.00E+00	1.24E+00
Sample ID: 282952	Sample Dates: 2/3/2014 - 2/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.35E-02	0.00E+00	1.35E-02
		Cs-134	<1.31E-02	0.00E+00	1.31E-02
		Cs-137	<1.16E-02	0.00E+00	1.16E-02
		Be-7	<1.37E-01	0.00E+00	1.37E-01
		K-40	<4.50E-01	0.00E+00	4.50E-01
Sample ID: 283399	Sample Dates: 2/10/2014 - 2/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.62E-02	0.00E+00	1.62E-02
		Cs-134	<6.67E-03	0.00E+00	6.67E-03
		Cs-137	<1.39E-02	0.00E+00	1.39E-02
		Be-7	<9.48E-02	0.00E+00	9.48E-02
		K-40	3.65E-01	8.86E-02	5.81E-02
Sample ID: 284566	Sample Dates: 2/17/2014 - 2/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.37E-02	0.00E+00	1.37E-02
		Cs-134	<7.92E-03	0.00E+00	7.92E-03
		Cs-137	<3.15E-03	0.00E+00	3.15E-03
		Be-7	<9.50E-02	0.00E+00	9.50E-02
		K-40	5.40E-01	1.08E-01	1.88E-01
Sample ID: 285127	Sample Dates: 2/24/2014 - 3/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.31E-02	0.00E+00	2.31E-02
		Cs-134	<2.14E-02	0.00E+00	2.14E-02
		Cs-137	<1.89E-02	0.00E+00	1.89E-02
		Be-7	<1.62E-01	0.00E+00	1.62E-01
		K-40	6.57E-01	1.37E-01	7.72E-02
Sample ID: 285732	Sample Dates: 3/3/2014 - 3/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.52E-02	0.00E+00	1.52E-02
		Cs-134	<1.09E-02	0.00E+00	1.09E-02
		Cs-137	<7.81E-03	0.00E+00	7.81E-03
		Be-7	<7.16E-02	0.00E+00	7.16E-02
		K-40	5.38E-01	1.08E-01	1.99E-01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 47 [ INDICATOR - SSW @ 3.4 miles ]

Sample ID: 286236	Sample Dates: 3/10/2014 - 3/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.58E-02	0.00E+00	2.58E-02
		Cs-134	<1.26E-02	0.00E+00	1.26E-02
		Cs-137	<2.43E-02	0.00E+00	2.43E-02
		Be-7	<1.38E-01	0.00E+00	1.38E-01
		K-40	<6.27E-01	0.00E+00	6.27E-01
Sample ID: 287121	Sample Dates: 3/17/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.32E-02	0.00E+00	1.32E-02
		Cs-134	<1.41E-02	0.00E+00	1.41E-02
		Cs-137	<1.06E-02	0.00E+00	1.06E-02
		Be-7	<4.93E-02	0.00E+00	4.93E-02
		K-40	4.28E-01	9.58E-02	1.77E-01
Sample ID: 288372	Sample Dates: 3/24/2014 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.56E-02	0.00E+00	2.56E-02
		Cs-134	<2.11E-02	0.00E+00	2.11E-02
		Cs-137	<1.18E-02	0.00E+00	1.18E-02
		Be-7	<1.81E-01	0.00E+00	1.81E-01
		K-40	5.05E-01	1.81E-01	3.03E-01
Sample ID: 289096	Sample Dates: 3/31/2014 - 4/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.19E-02	0.00E+00	2.19E-02
		Cs-134	<1.09E-02	0.00E+00	1.09E-02
		Cs-137	<1.38E-02	0.00E+00	1.38E-02
		Be-7	<1.20E-01	0.00E+00	1.20E-01
		K-40	4.41E-01	1.37E-01	2.06E-01
Sample ID: 289482	Sample Dates: 4/7/2014 - 4/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.68E-02	0.00E+00	2.68E-02
		Cs-134	<1.72E-02	0.00E+00	1.72E-02
		Cs-137	<1.54E-02	0.00E+00	1.54E-02
		Be-7	<1.39E-01	0.00E+00	1.39E-01
		K-40	3.99E-01	1.07E-01	2.72E-01
Sample ID: 289892	Sample Dates: 4/14/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.92E-02	0.00E+00	1.92E-02
		Cs-134	<1.67E-02	0.00E+00	1.67E-02
		Cs-137	<2.36E-02	0.00E+00	2.36E-02
		Be-7	<1.67E-01	0.00E+00	1.67E-01
		K-40	3.48E-01	1.36E-01	7.76E-02
Sample ID: 291497	Sample Dates: 4/21/2014 - 4/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.60E-02	0.00E+00	1.60E-02
		Cs-134	<9.19E-03	0.00E+00	9.19E-03
		Cs-137	<1.37E-02	0.00E+00	1.37E-02
		Be-7	<1.03E-01	0.00E+00	1.03E-01
		K-40	3.09E-01	7.70E-02	3.72E-02
Sample ID: 292791	Sample Dates: 4/28/2014 - 5/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.97E-02	0.00E+00	1.97E-02
		Cs-134	<2.04E-02	0.00E+00	2.04E-02
		Cs-137	<2.48E-02	0.00E+00	2.48E-02
		Be-7	<1.37E-01	0.00E+00	1.37E-01
		K-40	7.11E-01	1.42E-01	2.15E-01
Sample ID: 293053	Sample Dates: 5/5/2014 - 5/12/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<8.46E-03	0.00E+00	8.46E-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	<8.15E-02	0.00E+00	8.15E-02
		K-40	3.74E-01	9.07E-02	1.93E-01
Sample ID: 294684	Sample Dates: 5/12/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.49E-03	0.00E+00	2.49E-03
		Cs-134	<1.04E-02	0.00E+00	1.04E-02
		Cs-137	<2.94E-03	0.00E+00	2.94E-03
		Be-7	<9.71E-02	0.00E+00	9.71E-02
		K-40	2.69E-01	7.19E-02	1.43E-01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 47 [ INDICATOR - SSW @ 3.4 miles ]

Sample ID:	295193	Sample Dates:	5/19/2014 - 5/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.15E-02	0.00E+00	2.15E-02
				Cs-134	<1.52E-02	0.00E+00	1.52E-02
				Cs-137	<1.76E-02	0.00E+00	1.76E-02
				Be-7	<1.21E-01	0.00E+00	1.21E-01
				K-40	3.46E-01	1.18E-01	1.88E-01
Sample ID:	295454	Sample Dates:	5/27/2014 - 6/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.86E-02	0.00E+00	1.86E-02
				Cs-134	<2.05E-02	0.00E+00	2.05E-02
				Cs-137	<2.14E-02	0.00E+00	2.14E-02
				Be-7	<2.07E-01	0.00E+00	2.07E-01
				K-40	5.58E-01	1.67E-01	2.92E-01
Sample ID:	295969	Sample Dates:	6/2/2014 - 6/9/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.13E-02	0.00E+00	1.13E-02
				Cs-134	<7.88E-03	0.00E+00	7.88E-03
				Cs-137	<1.06E-02	0.00E+00	1.06E-02
				Be-7	<5.70E-02	0.00E+00	5.70E-02
				K-40	4.89E-01	7.54E-02	1.10E-01
Sample ID:	296214	Sample Dates:	6/9/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.37E-02	0.00E+00	1.37E-02
				Cs-134	<8.75E-03	0.00E+00	8.75E-03
				Cs-137	<1.42E-02	0.00E+00	1.42E-02
				Be-7	<5.78E-02	0.00E+00	5.78E-02
				K-40	2.66E-01	7.67E-02	2.13E-01
Sample ID:	296735	Sample Dates:	6/16/2014 - 6/23/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.32E-02	0.00E+00	1.32E-02
				Cs-134	<1.06E-02	0.00E+00	1.06E-02
				Cs-137	<1.44E-02	0.00E+00	1.44E-02
				Be-7	<8.03E-02	0.00E+00	8.03E-02
				K-40	2.59E-01	7.47E-02	1.55E-01
Sample ID:	296962	Sample Dates:	6/23/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.11E-02	0.00E+00	1.11E-02
				Cs-134	<9.73E-03	0.00E+00	9.73E-03
				Cs-137	<8.77E-03	0.00E+00	8.77E-03
				Be-7	<8.12E-02	0.00E+00	8.12E-02
				K-40	3.29E-01	7.97E-02	1.75E-01
Sample ID:	297359	Sample Dates:	6/30/2014 - 7/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.59E-02	0.00E+00	1.59E-02
				Cs-134	<7.47E-03	0.00E+00	7.47E-03
				Cs-137	<9.76E-03	0.00E+00	9.76E-03
				Be-7	<1.10E-01	0.00E+00	1.10E-01
				K-40	3.76E-01	9.40E-02	6.35E-02
Sample ID:	297647	Sample Dates:	7/7/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<5.23E-02	0.00E+00	5.23E-02
				Cs-134	<1.05E-02	0.00E+00	1.05E-02
				Cs-137	<1.90E-02	0.00E+00	1.90E-02
				Be-7	<1.15E-01	0.00E+00	1.15E-01
				K-40	2.95E-01	2.73E-01	4.05E-01
Sample ID:	298183	Sample Dates:	7/14/2014 - 7/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<4.69E-02	0.00E+00	4.69E-02
				Cs-134	<1.72E-02	0.00E+00	1.72E-02
				Cs-137	<1.65E-02	0.00E+00	1.65E-02
				Be-7	<1.15E-01	0.00E+00	1.15E-01
				K-40	1.52E-01	1.85E-01	2.88E-01
Sample ID:	350183	Sample Dates:	7/21/2014 - 7/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.07E-02	0.00E+00	2.07E-02
				Cs-134	<1.86E-02	0.00E+00	1.86E-02
				Cs-137	<2.12E-02	0.00E+00	2.12E-02
				Be-7	<1.23E-01	0.00E+00	1.23E-01
				K-40	4.68E-01	2.60E-01	2.49E-01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.





# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 47 [ INDICATOR - SSW @ 3.4 miles ]

Sample ID: 350924	Sample Dates: 7/28/2014 - 8/4/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.98E-02	0.00E+00	1.98E-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	<1.55E-01	0.00E+00	1.55E-01
		K-40	4.43E-01	2.32E-01	8.00E-02
Sample ID: 351170	Sample Dates: 8/4/2014 - 8/11/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.06E-02	0.00E+00	2.06E-02
		Cs-134	<1.28E-02	0.00E+00	1.28E-02
		Cs-137	<1.27E-02	0.00E+00	1.27E-02
		Be-7	<1.01E-01	0.00E+00	1.01E-01
		K-40	4.96E-01	2.80E-01	3.07E-01
Sample ID: 351544	Sample Dates: 8/11/2014 - 8/18/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.36E-02	0.00E+00	2.36E-02
		Cs-134	<3.42E-02	0.00E+00	3.42E-02
		Cs-137	<2.36E-02	0.00E+00	2.36E-02
		Be-7	<1.49E-01	0.00E+00	1.49E-01
		K-40	5.93E-01	3.47E-01	4.34E-01
Sample ID: 353399	Sample Dates: 8/18/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.18E-02	0.00E+00	2.18E-02
		Cs-134	<1.98E-02	0.00E+00	1.98E-02
		Cs-137	<1.31E-02	0.00E+00	1.31E-02
		Be-7	<1.05E-01	0.00E+00	1.05E-01
		K-40	5.17E-01	2.87E-01	3.05E-01
Sample ID: 353995	Sample Dates: 8/25/2014 - 9/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.51E-02	0.00E+00	1.51E-02
		Cs-134	<2.41E-02	0.00E+00	2.41E-02
		Cs-137	<1.43E-02	0.00E+00	1.43E-02
		Be-7	<9.00E-02	0.00E+00	9.00E-02
		K-40	<4.51E-01	0.00E+00	4.51E-01
Sample ID: 354416	Sample Dates: 9/2/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.82E-02	0.00E+00	1.82E-02
		Cs-134	<2.58E-02	0.00E+00	2.58E-02
		Cs-137	<2.13E-02	0.00E+00	2.13E-02
		Be-7	<1.31E-01	0.00E+00	1.31E-01
		K-40	3.48E-01	2.14E-01	1.96E-01
Sample ID: 354727	Sample Dates: 9/8/2014 - 9/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.45E-02	0.00E+00	2.45E-02
		Cs-134	<2.51E-02	0.00E+00	2.51E-02
		Cs-137	<2.46E-02	0.00E+00	2.46E-02
		Be-7	<1.56E-01	0.00E+00	1.56E-01
		K-40	3.22E-01	3.10E-01	4.74E-01
Sample ID: 355102	Sample Dates: 9/15/2014 - 9/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.19E-02	0.00E+00	2.19E-02
		Cs-134	<1.54E-02	0.00E+00	1.54E-02
		Cs-137	<1.92E-02	0.00E+00	1.92E-02
		Be-7	<1.20E-01	0.00E+00	1.20E-01
		K-40	5.37E-01	2.93E-01	3.09E-01
Sample ID: 355601	Sample Dates: 9/22/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.43E-02	0.00E+00	2.43E-02
		Cs-134	<1.31E-02	0.00E+00	1.31E-02
		Cs-137	<1.89E-02	0.00E+00	1.89E-02
		Be-7	<1.57E-01	0.00E+00	1.57E-01
		K-40	6.27E-01	3.10E-01	3.07E-01
Sample ID: 356462	Sample Dates: 9/29/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.22E-02	0.00E+00	1.22E-02
		Cs-134	<1.51E-02	0.00E+00	1.51E-02
		Cs-137	<2.78E-02	0.00E+00	2.78E-02
		Be-7	<1.20E-01	0.00E+00	1.20E-01
		K-40	<6.13E-01	0.00E+00	6.13E-01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 47 [ INDICATOR - SSW @ 3.4 miles ]

Sample ID: 357012	Sample Dates: 10/6/2014 - 10/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.51E-02	0.00E+00	2.51E-02
		Cs-134	<1.03E-02	0.00E+00	1.03E-02
		Cs-137	<1.63E-02	0.00E+00	1.63E-02
		Be-7	<1.34E-01	0.00E+00	1.34E-01
		K-40	4.02E-01	2.47E-01	2.62E-01
Sample ID: 358005	Sample Dates: 10/13/2014 - 10/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.00E-02	0.00E+00	2.00E-02
		Cs-134	<1.87E-02	0.00E+00	1.87E-02
		Cs-137	<1.31E-02	0.00E+00	1.31E-02
		Be-7	<8.31E-02	0.00E+00	8.31E-02
		K-40	7.27E-01	3.32E-01	3.09E-01
Sample ID: 358626	Sample Dates: 10/20/2014 - 10/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.95E-02	0.00E+00	2.95E-02
		Cs-134	<1.04E-02	0.00E+00	1.04E-02
		Cs-137	<1.63E-02	0.00E+00	1.63E-02
		Be-7	<1.21E-01	0.00E+00	1.21E-01
		K-40	5.65E-01	3.01E-01	3.19E-01
Sample ID: 359240	Sample Dates: 10/27/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.63E-02	0.00E+00	1.63E-02
		Cs-134	<1.99E-02	0.00E+00	1.99E-02
		Cs-137	<2.31E-02	0.00E+00	2.31E-02
		Be-7	<1.19E-01	0.00E+00	1.19E-01
		K-40	<6.83E-01	0.00E+00	6.83E-01
Sample ID: 359991	Sample Dates: 11/3/2014 - 11/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.93E-02	0.00E+00	1.93E-02
		Cs-134	<2.12E-02	0.00E+00	2.12E-02
		Cs-137	<2.94E-02	0.00E+00	2.94E-02
		Be-7	<8.33E-02	0.00E+00	8.33E-02
		K-40	<5.60E-01	0.00E+00	5.60E-01
Sample ID: 360678	Sample Dates: 11/10/2014 - 11/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.91E-02	0.00E+00	2.91E-02
		Cs-134	<1.53E-02	0.00E+00	1.53E-02
		Cs-137	<1.64E-02	0.00E+00	1.64E-02
		Be-7	<1.35E-01	0.00E+00	1.35E-01
		K-40	3.05E-01	2.61E-01	3.70E-01
Sample ID: 361544	Sample Dates: 11/17/2014 - 11/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.45E-02	0.00E+00	2.45E-02
		Cs-134	<1.04E-02	0.00E+00	1.04E-02
		Cs-137	<1.89E-02	0.00E+00	1.89E-02
		Be-7	<1.56E-01	0.00E+00	1.56E-01
		K-40	<5.97E-01	0.00E+00	5.97E-01
Sample ID: 361928	Sample Dates: 11/24/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.71E-02	0.00E+00	2.71E-02
		Cs-134	<1.19E-02	0.00E+00	1.19E-02
		Cs-137	<1.66E-02	0.00E+00	1.66E-02
		Be-7	<1.13E-01	0.00E+00	1.13E-01
		K-40	2.30E-01	2.66E-01	4.26E-01
Sample ID: 362744	Sample Dates: 12/1/2014 - 12/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.58E-02	0.00E+00	1.58E-02
		Cs-134	<1.02E-02	0.00E+00	1.02E-02
		Cs-137	<1.02E-02	0.00E+00	1.02E-02
		Be-7	<9.49E-02	0.00E+00	9.49E-02
		K-40	4.21E-01	2.29E-01	2.35E-01
Sample ID: 363489	Sample Dates: 12/8/2014 - 12/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<8.50E-03	0.00E+00	8.50E-03
		Cs-134	<7.06E-03	0.00E+00	7.06E-03
		Cs-137	<4.58E-03	0.00E+00	4.58E-03
		Be-7	<5.22E-02	0.00E+00	5.22E-02
		K-40	3.96E-01	1.33E-01	2.83E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 47 [ INDICATOR - SSW @ 3.4 miles ]

Sample ID:	363940	Sample Dates:	12/15/2014 - 12/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.56E-02	0.00E+00	1.56E-02
				Cs-134	<1.16E-02	0.00E+00	1.16E-02
				Cs-137	<1.32E-02	0.00E+00	1.32E-02
				Be-7	<1.08E-01	0.00E+00	1.08E-01
				K-40	4.43E-01	1.81E-01	4.81E-02

Sample ID:	364471	Sample Dates:	12/22/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.81E-02	0.00E+00	1.81E-02
				Cs-134	<1.54E-02	0.00E+00	1.54E-02
				Cs-137	<1.54E-02	0.00E+00	1.54E-02
				Be-7	<1.02E-01	0.00E+00	1.02E-01
				K-40	5.12E-01	1.95E-01	4.79E-02

## Sample Point 63 [ INDICATOR - SW @ 0.6 miles ]

Sample ID:	280665	Sample Dates:	12/30/2013 - 1/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<4.76E-02	0.00E+00	4.76E-02
				Cs-134	<3.20E-02	0.00E+00	3.20E-02
				Cs-137	<3.59E-02	0.00E+00	3.59E-02
				Be-7	<2.82E-01	0.00E+00	2.82E-01
				K-40	9.72E-01	2.36E-01	4.28E-01

Sample ID:	280838	Sample Dates:	1/6/2014 - 1/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<4.92E-02	0.00E+00	4.92E-02
				Cs-134	<4.80E-02	0.00E+00	4.80E-02
				Cs-137	<3.77E-02	0.00E+00	3.77E-02
				Be-7	<3.52E-01	0.00E+00	3.52E-01
				K-40	5.70E-01	3.32E-01	4.90E-01

Sample ID:	281197	Sample Dates:	1/13/2014 - 1/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.72E-02	0.00E+00	2.72E-02
				Cs-134	<1.75E-02	0.00E+00	1.75E-02
				Cs-137	<2.28E-02	0.00E+00	2.28E-02
				Be-7	<1.76E-01	0.00E+00	1.76E-01
				K-40	6.00E-01	1.98E-01	4.64E-01

Sample ID:	281518	Sample Dates:	1/20/2014 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.09E-02	0.00E+00	2.09E-02
				Cs-134	<2.16E-02	0.00E+00	2.16E-02
				Cs-137	<1.85E-02	0.00E+00	1.85E-02
				Be-7	<1.65E-01	0.00E+00	1.65E-01
				K-40	6.99E-01	1.80E-01	4.32E-01

Sample ID:	282141	Sample Dates:	1/27/2014 - 2/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.41E-02	0.00E+00	2.41E-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	<1.31E-01	0.00E+00	1.31E-01
				K-40	1.19E+00	1.83E-01	6.44E-02

Sample ID:	282953	Sample Dates:	2/3/2014 - 2/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.23E-02	0.00E+00	1.23E-02
				Cs-134	<1.08E-02	0.00E+00	1.08E-02
				Cs-137	<1.29E-02	0.00E+00	1.29E-02
				Be-7	<8.34E-02	0.00E+00	8.34E-02
				K-40	5.70E-01	9.21E-02	1.11E-01

Sample ID:	283400	Sample Dates:	2/10/2014 - 2/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.22E-02	0.00E+00	1.22E-02
				Cs-134	<1.37E-02	0.00E+00	1.37E-02
				Cs-137	<1.41E-02	0.00E+00	1.41E-02
				Be-7	<8.72E-02	0.00E+00	8.72E-02
				K-40	3.30E-01	1.08E-01	1.98E-01

Sample ID:	284567	Sample Dates:	2/17/2014 - 2/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.05E-02	0.00E+00	1.05E-02
				Cs-134	<1.07E-02	0.00E+00	1.07E-02
				Cs-137	<8.79E-03	0.00E+00	8.79E-03

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 63 [ INDICATOR - SW @ 0.6 miles ]

Sample ID:	284567	Sample Dates:	2/17/2014 - 2/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<5.25E-02	0.00E+00	5.25E-02
				K-40	6.72E-01	8.97E-02	8.76E-02
Sample ID:	285128	Sample Dates:	2/24/2014 - 3/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.56E-02	0.00E+00	2.56E-02
				Cs-134	<1.47E-02	0.00E+00	1.47E-02
				Cs-137	<1.54E-02	0.00E+00	1.54E-02
				Be-7	<1.75E-01	0.00E+00	1.75E-01
				K-40	4.90E-01	1.19E-01	3.21E-01
Sample ID:	285733	Sample Dates:	3/3/2014 - 3/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.56E-02	0.00E+00	1.56E-02
				Cs-134	<7.42E-03	0.00E+00	7.42E-03
				Cs-137	<1.49E-02	0.00E+00	1.49E-02
				Be-7	<1.00E-01	0.00E+00	1.00E-01
				K-40	2.80E-01	1.30E-01	1.97E-01
Sample ID:	286237	Sample Dates:	3/10/2014 - 3/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.45E-02	0.00E+00	2.45E-02
				Cs-134	<2.14E-02	0.00E+00	2.14E-02
				Cs-137	<1.22E-02	0.00E+00	1.22E-02
				Be-7	<1.58E-01	0.00E+00	1.58E-01
				K-40	4.58E-01	1.14E-01	2.05E-01
Sample ID:	287122	Sample Dates:	3/17/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.10E-02	0.00E+00	1.10E-02
				Cs-134	<1.09E-02	0.00E+00	1.09E-02
				Cs-137	<8.08E-03	0.00E+00	8.08E-03
				Be-7	<7.70E-02	0.00E+00	7.70E-02
				K-40	6.48E-01	1.05E-01	1.27E-01
Sample ID:	288373	Sample Dates:	3/24/2014 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<3.00E-02	0.00E+00	3.00E-02
				Cs-134	<1.78E-02	0.00E+00	1.78E-02
				Cs-137	<1.50E-02	0.00E+00	1.50E-02
				Be-7	<1.37E-01	0.00E+00	1.37E-01
				K-40	4.85E-01	1.18E-01	7.72E-02
Sample ID:	289097	Sample Dates:	3/31/2014 - 4/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.30E-02	0.00E+00	1.30E-02
				Cs-134	<9.05E-03	0.00E+00	9.05E-03
				Cs-137	<1.27E-02	0.00E+00	1.27E-02
				Be-7	<7.52E-02	0.00E+00	7.52E-02
				K-40	3.92E-01	8.99E-02	1.26E-01
Sample ID:	289483	Sample Dates:	4/7/2014 - 4/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.54E-02	0.00E+00	2.54E-02
				Cs-134	<2.00E-02	0.00E+00	2.00E-02
				Cs-137	<2.84E-02	0.00E+00	2.84E-02
				Be-7	7.60E-02	4.02E-02	1.92E-01
				K-40	5.03E-01	1.50E-01	3.31E-01
Sample ID:	289893	Sample Dates:	4/14/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.09E-02	0.00E+00	2.09E-02
				Cs-134	<1.76E-02	0.00E+00	1.76E-02
				Cs-137	<1.44E-02	0.00E+00	1.44E-02
				Be-7	<1.56E-01	0.00E+00	1.56E-01
				K-40	3.98E-01	1.06E-01	2.57E-01
Sample ID:	291498	Sample Dates:	4/21/2014 - 4/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.61E-02	0.00E+00	2.61E-02
				Cs-134	<2.03E-02	0.00E+00	2.03E-02
				Cs-137	<1.65E-02	0.00E+00	1.65E-02
				Be-7	<1.36E-01	0.00E+00	1.36E-01
				K-40	6.46E-01	1.60E-01	2.15E-01
Sample ID:	292792	Sample Dates:	4/28/2014 - 5/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.24E-02	0.00E+00	1.24E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 63 [ INDICATOR - SW @ 0.6 miles ]

Sample ID: 292792	Sample Dates: 4/28/2014 - 5/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Cs-134	<1.24E-02	0.00E+00	1.24E-02
		Cs-137	<1.48E-02	0.00E+00	1.48E-02
		Be-7	<5.62E-02	0.00E+00	5.62E-02
		K-40	1.92E-01	1.11E-01	2.36E-01
Sample ID: 293054	Sample Dates: 5/5/2014 - 5/12/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.26E-02	0.00E+00	2.26E-02
		Cs-134	<1.61E-02	0.00E+00	1.61E-02
		Cs-137	<1.95E-02	0.00E+00	1.95E-02
		Be-7	<1.71E-01	0.00E+00	1.71E-01
Sample ID: 294685	Sample Dates: 5/12/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.59E-02	0.00E+00	1.59E-02
		Cs-134	<1.13E-02	0.00E+00	1.13E-02
		Cs-137	<1.84E-02	0.00E+00	1.84E-02
		Be-7	<1.09E-01	0.00E+00	1.09E-01
Sample ID: 295194	Sample Dates: 5/19/2014 - 5/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.32E-02	0.00E+00	2.32E-02
		Cs-134	<1.42E-02	0.00E+00	1.42E-02
		Cs-137	<1.37E-02	0.00E+00	1.37E-02
		Be-7	<1.11E-01	0.00E+00	1.11E-01
Sample ID: 295455	Sample Dates: 5/27/2014 - 6/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.77E-02	0.00E+00	2.77E-02
		Cs-134	<2.04E-02	0.00E+00	2.04E-02
		Cs-137	<3.25E-02	0.00E+00	3.25E-02
		Be-7	<1.80E-01	0.00E+00	1.80E-01
Sample ID: 295970	Sample Dates: 6/2/2014 - 6/9/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.22E-02	0.00E+00	2.22E-02
		Cs-134	<1.42E-02	0.00E+00	1.42E-02
		Cs-137	<1.55E-02	0.00E+00	1.55E-02
		Be-7	<1.88E-01	0.00E+00	1.88E-01
Sample ID: 296215	Sample Dates: 6/9/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.03E-02	0.00E+00	2.03E-02
		Cs-134	<1.99E-02	0.00E+00	1.99E-02
		Cs-137	<1.81E-02	0.00E+00	1.81E-02
		Be-7	<1.29E-01	0.00E+00	1.29E-01
Sample ID: 296736	Sample Dates: 6/16/2014 - 6/23/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.11E-02	0.00E+00	2.11E-02
		Cs-134	<2.05E-02	0.00E+00	2.05E-02
		Cs-137	<1.79E-02	0.00E+00	1.79E-02
		Be-7	<1.59E-01	0.00E+00	1.59E-01
Sample ID: 296963	Sample Dates: 6/23/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.56E-02	0.00E+00	2.56E-02
		Cs-134	<1.43E-02	0.00E+00	1.43E-02
		Cs-137	<2.05E-02	0.00E+00	2.05E-02
		Be-7	<1.49E-01	0.00E+00	1.49E-01
Sample ID: 297360	Sample Dates: 6/30/2014 - 7/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.69E-02	0.00E+00	1.69E-02
		Cs-134	<1.72E-02	0.00E+00	1.72E-02
		Cs-137	<2.36E-02	0.00E+00	2.36E-02
		Be-7	<1.57E-01	0.00E+00	1.57E-01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 63 [ INDICATOR - SW @ 0.6 miles ]

Sample ID: 297648	Sample Dates: 7/7/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.24E-02	0.00E+00	2.24E-02
		Cs-134	<7.60E-03	0.00E+00	7.60E-03
		Cs-137	<8.71E-03	0.00E+00	8.71E-03
		Be-7	<5.78E-02	0.00E+00	5.78E-02
		K-40	3.69E-01	1.32E-01	3.03E-02
Sample ID: 298184	Sample Dates: 7/14/2014 - 7/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<4.71E-02	0.00E+00	4.71E-02
		Cs-134	<1.71E-02	0.00E+00	1.71E-02
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<1.85E-01	0.00E+00	1.85E-01
		K-40	3.48E-01	2.52E-01	3.20E-01
Sample ID: 350185	Sample Dates: 7/21/2014 - 7/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.75E-02	0.00E+00	2.75E-02
		Cs-134	<2.36E-02	0.00E+00	2.36E-02
		Cs-137	<2.12E-02	0.00E+00	2.12E-02
		Be-7	<1.23E-01	0.00E+00	1.23E-01
		K-40	5.35E-01	2.56E-01	8.06E-02
Sample ID: 350926	Sample Dates: 7/28/2014 - 8/4/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.85E-02	0.00E+00	1.85E-02
		Cs-134	<1.70E-02	0.00E+00	1.70E-02
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<1.19E-01	0.00E+00	1.19E-01
		K-40	2.65E-01	2.01E-01	2.31E-01
Sample ID: 351172	Sample Dates: 8/4/2014 - 8/11/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.15E-02	0.00E+00	2.15E-02
		Cs-134	<1.04E-02	0.00E+00	1.04E-02
		Cs-137	<1.63E-02	0.00E+00	1.63E-02
		Be-7	<1.46E-01	0.00E+00	1.46E-01
		K-40	<4.95E-01	0.00E+00	4.95E-01
Sample ID: 351548	Sample Dates: 8/11/2014 - 8/18/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.24E-02	0.00E+00	2.24E-02
		Cs-134	<2.56E-02	0.00E+00	2.56E-02
		Cs-137	<1.92E-02	0.00E+00	1.92E-02
		Be-7	<1.22E-01	0.00E+00	1.22E-01
		K-40	3.82E-01	2.42E-01	2.58E-01
Sample ID: 353401	Sample Dates: 8/18/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.63E-02	0.00E+00	2.63E-02
		Cs-134	<1.94E-02	0.00E+00	1.94E-02
		Cs-137	<1.62E-02	0.00E+00	1.62E-02
		Be-7	<1.03E-01	0.00E+00	1.03E-01
		K-40	8.24E-01	3.79E-01	4.16E-01
Sample ID: 354000	Sample Dates: 8/25/2014 - 9/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.83E-02	0.00E+00	1.83E-02
		Cs-134	<2.36E-02	0.00E+00	2.36E-02
		Cs-137	<1.11E-02	0.00E+00	1.11E-02
		Be-7	<8.85E-02	0.00E+00	8.85E-02
		K-40	6.09E-01	2.54E-01	6.88E-02
Sample ID: 354418	Sample Dates: 9/2/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.08E-02	0.00E+00	2.08E-02
		Cs-134	<2.35E-02	0.00E+00	2.35E-02
		Cs-137	<2.18E-02	0.00E+00	2.18E-02
		Be-7	<1.35E-01	0.00E+00	1.35E-01
		K-40	4.25E-01	2.63E-01	2.84E-01
Sample ID: 354729	Sample Dates: 9/8/2014 - 9/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.36E-02	0.00E+00	2.36E-02
		Cs-134	<2.78E-02	0.00E+00	2.78E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.58E-01	0.00E+00	1.58E-01
		K-40	2.40E-01	2.11E-01	2.86E-01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 63 [ INDICATOR - SW @ 0.6 miles ]

Sample ID: 355106	Sample Dates: 9/15/2014 - 9/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.67E-02	0.00E+00	1.67E-02
		Cs-134	<1.52E-02	0.00E+00	1.52E-02
		Cs-137	<1.64E-02	0.00E+00	1.64E-02
		Be-7	<1.45E-01	0.00E+00	1.45E-01
		K-40	<5.18E-01	0.00E+00	5.18E-01
Sample ID: 355603	Sample Dates: 9/22/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.60E-02	0.00E+00	2.60E-02
		Cs-134	<2.24E-02	0.00E+00	2.24E-02
		Cs-137	<1.64E-02	0.00E+00	1.64E-02
		Be-7	<1.34E-01	0.00E+00	1.34E-01
		K-40	3.83E-01	2.36E-01	2.40E-01
Sample ID: 356464	Sample Dates: 9/29/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.81E-02	0.00E+00	1.81E-02
		Cs-134	<1.52E-02	0.00E+00	1.52E-02
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<1.04E-01	0.00E+00	1.04E-01
		K-40	<5.98E-01	0.00E+00	5.98E-01
Sample ID: 357014	Sample Dates: 10/6/2014 - 10/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.58E-02	0.00E+00	2.58E-02
		Cs-134	<1.86E-02	0.00E+00	1.86E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.04E-01	0.00E+00	1.04E-01
		K-40	7.14E-01	2.98E-01	8.06E-02
Sample ID: 358007	Sample Dates: 10/13/2014 - 10/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.18E-02	0.00E+00	2.18E-02
		Cs-134	<1.69E-02	0.00E+00	1.69E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.20E-01	0.00E+00	1.20E-01
		K-40	<5.59E-01	0.00E+00	5.59E-01
Sample ID: 358628	Sample Dates: 10/20/2014 - 10/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.67E-02	0.00E+00	1.67E-02
		Cs-134	<1.52E-02	0.00E+00	1.52E-02
		Cs-137	<1.64E-02	0.00E+00	1.64E-02
		Be-7	<1.70E-01	0.00E+00	1.70E-01
		K-40	4.75E-01	2.41E-01	8.05E-02
Sample ID: 359243	Sample Dates: 10/27/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.17E-02	0.00E+00	2.17E-02
		Cs-134	<1.85E-02	0.00E+00	1.85E-02
		Cs-137	<2.12E-02	0.00E+00	2.12E-02
		Be-7	<1.03E-01	0.00E+00	1.03E-01
		K-40	6.06E-01	3.00E-01	2.86E-01
Sample ID: 359993	Sample Dates: 11/3/2014 - 11/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.89E-02	0.00E+00	2.89E-02
		Cs-134	<3.83E-03	0.00E+00	3.83E-03
		Cs-137	<1.64E-02	0.00E+00	1.64E-02
		Be-7	<1.89E-01	0.00E+00	1.89E-01
		K-40	4.91E-01	2.71E-01	2.72E-01
Sample ID: 360680	Sample Dates: 11/10/2014 - 11/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.67E-02	0.00E+00	2.67E-02
		Cs-134	<1.52E-02	0.00E+00	1.52E-02
		Cs-137	<4.76E-03	0.00E+00	4.76E-03
		Be-7	<1.58E-01	0.00E+00	1.58E-01
		K-40	3.95E-01	2.65E-01	3.26E-01
Sample ID: 361546	Sample Dates: 11/17/2014 - 11/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.05E-02	0.00E+00	2.05E-02
		Cs-134	<1.04E-02	0.00E+00	1.04E-02
		Cs-137	<1.64E-02	0.00E+00	1.64E-02
		Be-7	<1.85E-01	0.00E+00	1.85E-01
		K-40	7.43E-01	3.04E-01	8.06E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



## HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 63 [ INDICATOR - SW @ 0.6 miles ]

Sample ID: 361930	Sample Dates: 11/24/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<3.44E-02	0.00E+00	3.44E-02
		Cs-134	<1.45E-02	0.00E+00	1.45E-02
		Cs-137	<1.81E-02	0.00E+00	1.81E-02
		Be-7	<1.24E-01	0.00E+00	1.24E-01
		K-40	6.34E-01	2.78E-01	2.54E-01
Sample ID: 362746	Sample Dates: 12/1/2014 - 12/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.67E-02	0.00E+00	2.67E-02
		Cs-134	<1.76E-02	0.00E+00	1.76E-02
		Cs-137	<1.87E-02	0.00E+00	1.87E-02
		Be-7	<1.41E-01	0.00E+00	1.41E-01
		K-40	6.46E-01	2.69E-01	7.30E-02
Sample ID: 363491	Sample Dates: 12/8/2014 - 12/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.36E-02	0.00E+00	1.36E-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	<6.56E-02	0.00E+00	6.56E-02
		K-40	5.33E-01	2.32E-01	2.79E-01
Sample ID: 363942	Sample Dates: 12/15/2014 - 12/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.99E-02	0.00E+00	1.99E-02
		Cs-134	<1.16E-02	0.00E+00	1.16E-02
		Cs-137	<1.44E-02	0.00E+00	1.44E-02
		Be-7	<1.20E-01	0.00E+00	1.20E-01
		K-40	5.14E-01	1.96E-01	4.80E-02
Sample ID: 364473	Sample Dates: 12/22/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.92E-02	0.00E+00	1.92E-02
		Cs-134	<1.25E-02	0.00E+00	1.25E-02
		Cs-137	<1.44E-02	0.00E+00	1.44E-02
		Be-7	<6.72E-02	0.00E+00	6.72E-02
		K-40	5.79E-01	2.49E-01	2.73E-01

### Sample Point 90 [ INDICATOR - SSW @ 0.5 miles ]

Sample ID: 280666	Sample Dates: 12/30/2013 - 1/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<5.07E-02	0.00E+00	5.07E-02
		Cs-134	<3.63E-02	0.00E+00	3.63E-02
		Cs-137	<4.69E-02	0.00E+00	4.69E-02
		Be-7	<3.32E-01	0.00E+00	3.32E-01
		K-40	8.18E-01	2.27E-01	4.74E-01
Sample ID: 280839	Sample Dates: 1/6/2014 - 1/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<6.18E-02	0.00E+00	6.18E-02
		Cs-134	<3.52E-02	0.00E+00	3.52E-02
		Cs-137	<4.88E-02	0.00E+00	4.88E-02
		Be-7	<2.93E-01	0.00E+00	2.93E-01
		K-40	<1.30E+00	0.00E+00	1.30E+00
Sample ID: 281198	Sample Dates: 1/13/2014 - 1/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<4.48E-02	0.00E+00	4.48E-02
		Cs-134	<4.36E-02	0.00E+00	4.36E-02
		Cs-137	<4.03E-02	0.00E+00	4.03E-02
		Be-7	<2.66E-01	0.00E+00	2.66E-01
		K-40	1.30E+00	3.11E-01	5.95E-01
Sample ID: 281519	Sample Dates: 1/20/2014 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<3.45E-02	0.00E+00	3.45E-02
		Cs-134	<1.35E-02	0.00E+00	1.35E-02
		Cs-137	<1.87E-02	0.00E+00	1.87E-02
		Be-7	<1.81E-01	0.00E+00	1.81E-01
		K-40	4.18E-01	1.89E-01	4.00E-01
Sample ID: 282142	Sample Dates: 1/27/2014 - 2/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<4.34E-02	0.00E+00	4.34E-02
		Cs-134	<1.77E-02	0.00E+00	1.77E-02
		Cs-137	<3.17E-02	0.00E+00	3.17E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.





# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 90 [ INDICATOR - SSW @ 0.5 miles ]

Sample ID:	282142	Sample Dates:	1/27/2014 - 2/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<2.90E-01	0.00E+00	2.90E-01
				K-40	7.91E-01	2.04E-01	3.79E-01
Sample ID:	282954	Sample Dates:	2/3/2014 - 2/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.57E-02	0.00E+00	1.57E-02
				Cs-134	<1.14E-02	0.00E+00	1.14E-02
				Cs-137	<1.69E-02	0.00E+00	1.69E-02
				Be-7	<1.10E-01	0.00E+00	1.10E-01
				K-40	3.91E-01	1.47E-01	2.61E-01
Sample ID:	283401	Sample Dates:	2/10/2014 - 2/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.62E-02	0.00E+00	1.62E-02
				Cs-134	<1.38E-02	0.00E+00	1.38E-02
				Cs-137	<9.55E-03	0.00E+00	9.55E-03
				Be-7	<7.80E-02	0.00E+00	7.80E-02
				K-40	5.24E-01	1.12E-01	2.54E-01
Sample ID:	284568	Sample Dates:	2/17/2014 - 2/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.01E-02	0.00E+00	1.01E-02
				Cs-134	<7.63E-03	0.00E+00	7.63E-03
				Cs-137	<9.72E-03	0.00E+00	9.72E-03
				Be-7	<5.84E-02	0.00E+00	5.84E-02
				K-40	1.22E-01	8.55E-02	2.14E-01
Sample ID:	285129	Sample Dates:	2/24/2014 - 3/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.49E-02	0.00E+00	2.49E-02
				Cs-134	<1.94E-02	0.00E+00	1.94E-02
				Cs-137	<2.82E-02	0.00E+00	2.82E-02
				Be-7	<1.22E-01	0.00E+00	1.22E-01
				K-40	7.49E-01	1.47E-01	2.18E-01
Sample ID:	285734	Sample Dates:	3/3/2014 - 3/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.08E-02	0.00E+00	2.08E-02
				Cs-134	<1.38E-02	0.00E+00	1.38E-02
				Cs-137	<9.49E-03	0.00E+00	9.49E-03
				Be-7	<9.85E-02	0.00E+00	9.85E-02
				K-40	4.54E-01	1.30E-01	2.26E-01
Sample ID:	286238	Sample Dates:	3/10/2014 - 3/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.54E-02	0.00E+00	2.54E-02
				Cs-134	<1.79E-02	0.00E+00	1.79E-02
				Cs-137	<2.25E-02	0.00E+00	2.25E-02
				Be-7	<1.89E-01	0.00E+00	1.89E-01
				K-40	3.72E-01	1.03E-01	2.05E-01
Sample ID:	287123	Sample Dates:	3/17/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.04E-02	0.00E+00	2.04E-02
				Cs-134	<1.42E-02	0.00E+00	1.42E-02
				Cs-137	<2.00E-02	0.00E+00	2.00E-02
				Be-7	<1.16E-01	0.00E+00	1.16E-01
				K-40	<5.37E-01	0.00E+00	5.37E-01
Sample ID:	288374	Sample Dates:	3/24/2014 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.44E-02	0.00E+00	2.44E-02
				Cs-134	<2.26E-02	0.00E+00	2.26E-02
				Cs-137	<1.22E-02	0.00E+00	1.22E-02
				Be-7	<1.87E-01	0.00E+00	1.87E-01
				K-40	4.85E-01	1.18E-01	2.59E-01
Sample ID:	289098	Sample Dates:	3/31/2014 - 4/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.70E-02	0.00E+00	1.70E-02
				Cs-134	<1.29E-02	0.00E+00	1.29E-02
				Cs-137	<1.79E-02	0.00E+00	1.79E-02
				Be-7	<1.42E-01	0.00E+00	1.42E-01
				K-40	7.64E-01	1.35E-01	6.45E-02
Sample ID:	289484	Sample Dates:	4/7/2014 - 4/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.72E-02	0.00E+00	2.72E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 90 [ INDICATOR - SSW @ 0.5 miles ]

Sample ID: 289484	Sample Dates: 4/7/2014 - 4/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Cs-134	<1.24E-02	0.00E+00	1.24E-02
		Cs-137	<2.12E-02	0.00E+00	2.12E-02
		Be-7	<1.68E-01	0.00E+00	1.68E-01
		K-40	6.30E-01	1.34E-01	7.74E-02
Sample ID: 289894	Sample Dates: 4/14/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.91E-02	0.00E+00	1.91E-02
		Cs-134	<9.25E-03	0.00E+00	9.25E-03
		Cs-137	<1.24E-02	0.00E+00	1.24E-02
		Be-7	<9.69E-02	0.00E+00	9.69E-02
Sample ID: 291499	Sample Dates: 4/21/2014 - 4/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.34E-02	0.00E+00	1.34E-02
		Cs-134	<9.20E-03	0.00E+00	9.20E-03
		Cs-137	<1.14E-02	0.00E+00	1.14E-02
		Be-7	<7.86E-02	0.00E+00	7.86E-02
Sample ID: 292793	Sample Dates: 4/28/2014 - 5/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.88E-02	0.00E+00	1.88E-02
		Cs-134	<1.06E-02	0.00E+00	1.06E-02
		Cs-137	<1.27E-02	0.00E+00	1.27E-02
		Be-7	<1.23E-01	0.00E+00	1.23E-01
Sample ID: 293055	Sample Dates: 5/5/2014 - 5/12/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.47E-02	0.00E+00	1.47E-02
		Cs-134	<1.02E-02	0.00E+00	1.02E-02
		Cs-137	<1.67E-02	0.00E+00	1.67E-02
		Be-7	<1.20E-01	0.00E+00	1.20E-01
Sample ID: 294686	Sample Dates: 5/12/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.73E-02	0.00E+00	1.73E-02
		Cs-134	<1.04E-02	0.00E+00	1.04E-02
		Cs-137	<1.73E-02	0.00E+00	1.73E-02
		Be-7	<1.10E-01	0.00E+00	1.10E-01
Sample ID: 295195	Sample Dates: 5/19/2014 - 5/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.29E-02	0.00E+00	1.29E-02
		Cs-134	<8.69E-03	0.00E+00	8.69E-03
		Cs-137	<7.42E-03	0.00E+00	7.42E-03
		Be-7	<5.22E-02	0.00E+00	5.22E-02
Sample ID: 295456	Sample Dates: 5/27/2014 - 6/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<3.25E-02	0.00E+00	3.25E-02
		Cs-134	<1.14E-02	0.00E+00	1.14E-02
		Cs-137	<2.10E-02	0.00E+00	2.10E-02
		Be-7	<1.43E-01	0.00E+00	1.43E-01
Sample ID: 295971	Sample Dates: 6/2/2014 - 6/9/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.41E-02	0.00E+00	1.41E-02
		Cs-134	<1.13E-02	0.00E+00	1.13E-02
		Cs-137	<1.74E-02	0.00E+00	1.74E-02
		Be-7	<9.84E-02	0.00E+00	9.84E-02
Sample ID: 296216	Sample Dates: 6/9/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.12E-02	0.00E+00	2.12E-02
		Cs-134	<2.10E-02	0.00E+00	2.10E-02
		Cs-137	<2.00E-02	0.00E+00	2.00E-02
		Be-7	<1.21E-01	0.00E+00	1.21E-01
Sample ID: 296216	Sample Dates: 6/9/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		K-40	<6.10E-01	0.00E+00	6.10E-01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 90 [ INDICATOR - SSW @ 0.5 miles ]

Sample ID:	296737	Sample Dates:	6/16/2014 - 6/23/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.23E-02	0.00E+00	2.23E-02
				Cs-134	<1.93E-02	0.00E+00	1.93E-02
				Cs-137	<2.00E-02	0.00E+00	2.00E-02
				Be-7	<1.42E-01	0.00E+00	1.42E-01
				K-40	5.71E-01	1.28E-01	7.72E-02
Sample ID:	296964	Sample Dates:	6/23/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.37E-02	0.00E+00	1.37E-02
				Cs-134	<1.08E-02	0.00E+00	1.08E-02
				Cs-137	<1.42E-02	0.00E+00	1.42E-02
				Be-7	<1.03E-01	0.00E+00	1.03E-01
				K-40	7.18E-01	1.31E-01	6.46E-02
Sample ID:	297361	Sample Dates:	6/30/2014 - 7/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.65E-02	0.00E+00	1.65E-02
				Cs-134	<1.25E-02	0.00E+00	1.25E-02
				Cs-137	<1.42E-02	0.00E+00	1.42E-02
				Be-7	<2.27E-02	0.00E+00	2.27E-02
				K-40	5.18E-01	1.27E-01	2.24E-01
Sample ID:	297649	Sample Dates:	7/7/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<4.01E-02	0.00E+00	4.01E-02
				Cs-134	<1.53E-02	0.00E+00	1.53E-02
				Cs-137	<2.31E-02	0.00E+00	2.31E-02
				Be-7	<1.49E-01	0.00E+00	1.49E-01
				K-40	6.82E-01	3.26E-01	3.26E-01
Sample ID:	298185	Sample Dates:	7/14/2014 - 7/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<4.43E-02	0.00E+00	4.43E-02
				Cs-134	<1.53E-02	0.00E+00	1.53E-02
				Cs-137	<1.64E-02	0.00E+00	1.64E-02
				Be-7	<1.48E-01	0.00E+00	1.48E-01
				K-40	4.56E-01	2.79E-01	3.25E-01
Sample ID:	350186	Sample Dates:	7/21/2014 - 7/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.93E-02	0.00E+00	2.93E-02
				Cs-134	<1.04E-02	0.00E+00	1.04E-02
				Cs-137	<1.64E-02	0.00E+00	1.64E-02
				Be-7	<1.62E-01	0.00E+00	1.62E-01
				K-40	3.61E-01	2.76E-01	3.76E-01
Sample ID:	350927	Sample Dates:	7/28/2014 - 8/4/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.13E-02	0.00E+00	2.13E-02
				Cs-134	<1.81E-02	0.00E+00	1.81E-02
				Cs-137	<1.60E-02	0.00E+00	1.60E-02
				Be-7	<1.00E-01	0.00E+00	1.00E-01
				K-40	<5.46E-01	0.00E+00	5.46E-01
Sample ID:	351173	Sample Dates:	8/4/2014 - 8/11/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.33E-02	0.00E+00	2.33E-02
				Cs-134	<2.12E-02	0.00E+00	2.12E-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	<4.19E-01	0.00E+00	4.19E-01
Sample ID:	351549	Sample Dates:	8/11/2014 - 8/18/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.84E-02	0.00E+00	1.84E-02
				Cs-134	<2.56E-02	0.00E+00	2.56E-02
				Cs-137	<2.14E-02	0.00E+00	2.14E-02
				Be-7	<8.34E-02	0.00E+00	8.34E-02
				K-40	4.81E-01	2.44E-01	8.14E-02
Sample ID:	353402	Sample Dates:	8/18/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<2.49E-02	0.00E+00	2.49E-02
				Cs-134	<1.54E-02	0.00E+00	1.54E-02
				Cs-137	<1.88E-02	0.00E+00	1.88E-02
				Be-7	<1.03E-01	0.00E+00	1.03E-01
				K-40	6.01E-01	2.97E-01	2.81E-01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 90 [ INDICATOR - SSW @ 0.5 miles ]

Sample ID: 354018	Sample Dates: 8/25/2014 - 9/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.15E-02	0.00E+00	2.15E-02
		Cs-134	<2.42E-02	0.00E+00	2.42E-02
		Cs-137	<1.66E-02	0.00E+00	1.66E-02
		Be-7	<9.07E-02	0.00E+00	9.07E-02
		K-40	<4.90E-01	0.00E+00	4.90E-01
Sample ID: 354419	Sample Dates: 9/2/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.02E-02	0.00E+00	1.02E-02
		Cs-134	<8.01E-03	0.00E+00	8.01E-03
		Cs-137	<5.08E-03	0.00E+00	5.08E-03
		Be-7	<4.36E-02	0.00E+00	4.36E-02
		K-40	7.07E-01	1.30E-01	9.24E-02
Sample ID: 354730	Sample Dates: 9/8/2014 - 9/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.66E-02	0.00E+00	2.66E-02
		Cs-134	<2.28E-02	0.00E+00	2.28E-02
		Cs-137	<2.32E-02	0.00E+00	2.32E-02
		Be-7	<1.58E-01	0.00E+00	1.58E-01
		K-40	3.87E-01	2.17E-01	8.08E-02
Sample ID: 355108	Sample Dates: 9/15/2014 - 9/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.19E-02	0.00E+00	2.19E-02
		Cs-134	<1.70E-02	0.00E+00	1.70E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.45E-01	0.00E+00	1.45E-01
		K-40	3.78E-01	2.56E-01	3.12E-01
Sample ID: 355604	Sample Dates: 9/22/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.97E-02	0.00E+00	1.97E-02
		Cs-134	<1.85E-02	0.00E+00	1.85E-02
		Cs-137	<1.64E-02	0.00E+00	1.64E-02
		Be-7	<1.57E-01	0.00E+00	1.57E-01
		K-40	4.44E-01	2.50E-01	2.30E-01
Sample ID: 356465	Sample Dates: 9/29/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.82E-02	0.00E+00	1.82E-02
		Cs-134	<1.31E-02	0.00E+00	1.31E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.47E-01	0.00E+00	1.47E-01
		K-40	5.54E-01	3.16E-01	3.73E-01
Sample ID: 357015	Sample Dates: 10/6/2014 - 10/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.25E-02	0.00E+00	2.25E-02
		Cs-134	<2.00E-02	0.00E+00	2.00E-02
		Cs-137	<1.64E-02	0.00E+00	1.64E-02
		Be-7	<1.79E-01	0.00E+00	1.79E-01
		K-40	6.55E-01	2.85E-01	8.06E-02
Sample ID: 358008	Sample Dates: 10/13/2014 - 10/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.80E-02	0.00E+00	1.80E-02
		Cs-134	<1.99E-02	0.00E+00	1.99E-02
		Cs-137	<2.11E-02	0.00E+00	2.11E-02
		Be-7	<1.04E-01	0.00E+00	1.04E-01
		K-40	4.15E-01	2.25E-01	8.04E-02
Sample ID: 358629	Sample Dates: 10/20/2014 - 10/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.53E-02	0.00E+00	2.53E-02
		Cs-134	<1.31E-02	0.00E+00	1.31E-02
		Cs-137	<1.64E-02	0.00E+00	1.64E-02
		Be-7	<1.48E-01	0.00E+00	1.48E-01
		K-40	5.11E-01	2.85E-01	3.07E-01
Sample ID: 359245	Sample Dates: 10/27/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.44E-02	0.00E+00	2.44E-02
		Cs-134	<1.52E-02	0.00E+00	1.52E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<8.14E-02	0.00E+00	8.14E-02
		K-40	5.05E-01	2.49E-01	8.05E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



## HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 90 [ INDICATOR - SSW @ 0.5 miles ]

Sample ID: 359994	Sample Dates: 11/3/2014 - 11/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.39E-02	0.00E+00	2.39E-02
		Cs-134	<1.31E-02	0.00E+00	1.31E-02
		Cs-137	<4.77E-03	0.00E+00	4.77E-03
		Be-7	<3.07E-02	0.00E+00	3.07E-02
		K-40	3.94E-01	2.49E-01	2.75E-01
Sample ID: 360681	Sample Dates: 11/10/2014 - 11/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.21E-02	0.00E+00	2.21E-02
		Cs-134	<1.52E-02	0.00E+00	1.52E-02
		Cs-137	<1.29E-02	0.00E+00	1.29E-02
		Be-7	<1.04E-01	0.00E+00	1.04E-01
		K-40	5.04E-01	2.48E-01	8.03E-02
Sample ID: 361547	Sample Dates: 11/17/2014 - 11/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.70E-02	0.00E+00	1.70E-02
		Cs-134	<1.10E-02	0.00E+00	1.10E-02
		Cs-137	<1.29E-02	0.00E+00	1.29E-02
		Be-7	<6.36E-02	0.00E+00	6.36E-02
		K-40	4.70E-01	1.69E-01	3.86E-02
Sample ID: 361931	Sample Dates: 11/24/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<3.00E-02	0.00E+00	3.00E-02
		Cs-134	<8.16E-03	0.00E+00	8.16E-03
		Cs-137	<1.02E-02	0.00E+00	1.02E-02
		Be-7	<1.01E-01	0.00E+00	1.01E-01
		K-40	<5.32E-01	0.00E+00	5.32E-01
Sample ID: 362747	Sample Dates: 12/1/2014 - 12/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.31E-02	0.00E+00	1.31E-02
		Cs-134	<5.77E-03	0.00E+00	5.77E-03
		Cs-137	<7.98E-03	0.00E+00	7.98E-03
		Be-7	<5.34E-02	0.00E+00	5.34E-02
		K-40	3.66E-01	1.46E-01	1.32E-01
Sample ID: 363492	Sample Dates: 12/8/2014 - 12/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.37E-02	0.00E+00	1.37E-02
		Cs-134	<5.06E-03	0.00E+00	5.06E-03
		Cs-137	<9.20E-03	0.00E+00	9.20E-03
		Be-7	<9.99E-02	0.00E+00	9.99E-02
		K-40	2.83E-01	1.67E-01	2.12E-01
Sample ID: 363943	Sample Dates: 12/15/2014 - 12/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.99E-02	0.00E+00	1.99E-02
		Cs-134	<1.41E-02	0.00E+00	1.41E-02
		Cs-137	<1.02E-02	0.00E+00	1.02E-02
		Be-7	<1.08E-01	0.00E+00	1.08E-01
		K-40	3.50E-01	2.10E-01	2.73E-01
Sample ID: 364474	Sample Dates: 12/22/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.75E-02	0.00E+00	1.75E-02
		Cs-134	<1.33E-02	0.00E+00	1.33E-02
		Cs-137	<1.55E-02	0.00E+00	1.55E-02
		Be-7	<8.69E-02	0.00E+00	8.69E-02
		K-40	<4.69E-01	0.00E+00	4.69E-01

Sample Point 91 [ INDICATOR - ENE @ 1.6 miles ]

Sample ID: 280667	Sample Dates: 12/30/2013 - 1/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<4.64E-02	0.00E+00	4.64E-02
		Cs-134	<3.43E-02	0.00E+00	3.43E-02
		Cs-137	<3.77E-02	0.00E+00	3.77E-02
		Be-7	<3.09E-01	0.00E+00	3.09E-01
		K-40	7.31E-01	2.03E-01	5.32E-01
Sample ID: 280840	Sample Dates: 1/6/2014 - 1/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<4.10E-02	0.00E+00	4.10E-02
		Cs-134	<2.84E-02	0.00E+00	2.84E-02
		Cs-137	<5.02E-02	0.00E+00	5.02E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 91 [ INDICATOR - ENE @ 1.6 miles ]

Sample ID: 280840	Sample Dates: 1/6/2014 - 1/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<3.29E-01	0.00E+00	3.29E-01
		K-40	1.02E+00	2.40E-01	5.13E-01
Sample ID: 281199	Sample Dates: 1/13/2014 - 1/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<4.04E-02	0.00E+00	4.04E-02
		Cs-134	<4.39E-02	0.00E+00	4.39E-02
		Cs-137	<3.08E-02	0.00E+00	3.08E-02
		Be-7	<3.18E-01	0.00E+00	3.18E-01
		K-40	9.50E-01	2.84E-01	6.53E-01
Sample ID: 281520	Sample Dates: 1/20/2014 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.62E-02	0.00E+00	2.62E-02
		Cs-134	<2.58E-02	0.00E+00	2.58E-02
		Cs-137	<3.06E-02	0.00E+00	3.06E-02
		Be-7	<2.37E-01	0.00E+00	2.37E-01
		K-40	9.92E-01	2.17E-01	4.24E-01
Sample ID: 282143	Sample Dates: 1/27/2014 - 2/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<4.63E-02	0.00E+00	4.63E-02
		Cs-134	<2.96E-02	0.00E+00	2.96E-02
		Cs-137	<3.03E-02	0.00E+00	3.03E-02
		Be-7	<2.58E-01	0.00E+00	2.58E-01
		K-40	8.16E-01	3.28E-01	6.42E-01
Sample ID: 282955	Sample Dates: 2/3/2014 - 2/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.34E-02	0.00E+00	1.34E-02
		Cs-134	<9.35E-03	0.00E+00	9.35E-03
		Cs-137	<8.29E-03	0.00E+00	8.29E-03
		Be-7	<8.45E-02	0.00E+00	8.45E-02
		K-40	4.55E-01	7.38E-02	1.30E-01
Sample ID: 283402	Sample Dates: 2/10/2014 - 2/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.21E-02	0.00E+00	2.21E-02
		Cs-134	<2.36E-02	0.00E+00	2.36E-02
		Cs-137	<2.12E-02	0.00E+00	2.12E-02
		Be-7	<1.43E-01	0.00E+00	1.43E-01
		K-40	5.12E-01	1.21E-01	2.62E-01
Sample ID: 284569	Sample Dates: 2/17/2014 - 2/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.17E-02	0.00E+00	1.17E-02
		Cs-134	<1.32E-02	0.00E+00	1.32E-02
		Cs-137	<1.36E-02	0.00E+00	1.36E-02
		Be-7	<7.54E-02	0.00E+00	7.54E-02
		K-40	3.25E-01	8.38E-02	5.85E-02
Sample ID: 285130	Sample Dates: 2/24/2014 - 3/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.35E-02	0.00E+00	2.35E-02
		Cs-134	<1.27E-02	0.00E+00	1.27E-02
		Cs-137	<1.54E-02	0.00E+00	1.54E-02
		Be-7	<1.45E-01	0.00E+00	1.45E-01
		K-40	<5.96E-01	0.00E+00	5.96E-01
Sample ID: 285735	Sample Dates: 3/3/2014 - 3/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.74E-02	0.00E+00	1.74E-02
		Cs-134	<7.39E-03	0.00E+00	7.39E-03
		Cs-137	<1.51E-02	0.00E+00	1.51E-02
		Be-7	<1.25E-01	0.00E+00	1.25E-01
		K-40	5.58E-01	1.39E-01	2.26E-01
Sample ID: 286239	Sample Dates: 3/10/2014 - 3/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<3.25E-02	0.00E+00	3.25E-02
		Cs-134	<1.92E-02	0.00E+00	1.92E-02
		Cs-137	<3.24E-02	0.00E+00	3.24E-02
		Be-7	<1.53E-01	0.00E+00	1.53E-01
		K-40	<6.66E-01	0.00E+00	6.66E-01
Sample ID: 287124	Sample Dates: 3/17/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.26E-02	0.00E+00	1.26E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 91 [ INDICATOR - ENE @ 1.6 miles ]

Sample ID: 287124	Sample Dates: 3/17/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Cs-134	<8.52E-03	0.00E+00	8.52E-03
		Cs-137	<1.03E-02	0.00E+00	1.03E-02
		Be-7	<5.77E-02	0.00E+00	5.77E-02
		K-40	4.34E-01	8.02E-02	1.70E-01
Sample ID: 288375	Sample Dates: 3/24/2014 - 3/31/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.25E-02	0.00E+00	2.25E-02
		Cs-134	<1.57E-02	0.00E+00	1.57E-02
		Cs-137	<2.30E-02	0.00E+00	2.30E-02
		Be-7	<9.77E-02	0.00E+00	9.77E-02
Sample ID: 289099	Sample Dates: 3/31/2014 - 4/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.45E-02	0.00E+00	1.45E-02
		Cs-134	<1.71E-02	0.00E+00	1.71E-02
		Cs-137	<2.38E-02	0.00E+00	2.38E-02
		Be-7	<8.35E-02	0.00E+00	8.35E-02
Sample ID: 289485	Sample Dates: 4/7/2014 - 4/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.49E-02	0.00E+00	2.49E-02
		Cs-134	<1.32E-02	0.00E+00	1.32E-02
		Cs-137	<2.18E-02	0.00E+00	2.18E-02
		Be-7	<1.24E-01	0.00E+00	1.24E-01
Sample ID: 289895	Sample Dates: 4/14/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.12E-02	0.00E+00	2.12E-02
		Cs-134	<1.92E-02	0.00E+00	1.92E-02
		Cs-137	<1.89E-02	0.00E+00	1.89E-02
		Be-7	<1.26E-01	0.00E+00	1.26E-01
Sample ID: 291500	Sample Dates: 4/21/2014 - 4/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<3.25E-02	0.00E+00	3.25E-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	<1.24E-01	0.00E+00	1.24E-01
Sample ID: 292794	Sample Dates: 4/28/2014 - 5/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.40E-02	0.00E+00	1.40E-02
		Cs-134	<7.87E-03	0.00E+00	7.87E-03
		Cs-137	<1.93E-02	0.00E+00	1.93E-02
		Be-7	<6.78E-02	0.00E+00	6.78E-02
Sample ID: 293056	Sample Dates: 5/5/2014 - 5/12/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.50E-02	0.00E+00	1.50E-02
		Cs-134	<1.05E-02	0.00E+00	1.05E-02
		Cs-137	<3.35E-03	0.00E+00	3.35E-03
		Be-7	<7.13E-02	0.00E+00	7.13E-02
Sample ID: 294687	Sample Dates: 5/12/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.41E-02	0.00E+00	2.41E-02
		Cs-134	<1.49E-02	0.00E+00	1.49E-02
		Cs-137	<2.23E-02	0.00E+00	2.23E-02
		Be-7	<1.48E-01	0.00E+00	1.48E-01
Sample ID: 295196	Sample Dates: 5/19/2014 - 5/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<6.04E-02	0.00E+00	6.04E-02
		Cs-134	<3.22E-02	0.00E+00	3.22E-02
		Cs-137	<5.01E-02	0.00E+00	5.01E-02
		Be-7	<3.92E-01	0.00E+00	3.92E-01
		Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		K-40	7.26E-01	2.32E-01	3.71E-01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 91 [ INDICATOR - ENE @ 1.6 miles ]

Sample ID: 295457	Sample Dates: 5/27/2014 - 6/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.96E-02	0.00E+00	2.96E-02
		Cs-134	<2.18E-02	0.00E+00	2.18E-02
		Cs-137	<2.93E-02	0.00E+00	2.93E-02
		Be-7	<1.45E-01	0.00E+00	1.45E-01
		K-40	2.04E-01	1.11E-01	3.11E-01
Sample ID: 295972	Sample Dates: 6/2/2014 - 6/9/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.93E-02	0.00E+00	1.93E-02
		Cs-134	<1.17E-02	0.00E+00	1.17E-02
		Cs-137	<1.48E-02	0.00E+00	1.48E-02
		Be-7	<9.96E-02	0.00E+00	9.96E-02
		K-40	5.24E-01	1.12E-01	1.72E-01
Sample ID: 296217	Sample Dates: 6/9/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.46E-02	0.00E+00	2.46E-02
		Cs-134	<1.44E-02	0.00E+00	1.44E-02
		Cs-137	<2.06E-02	0.00E+00	2.06E-02
		Be-7	<1.12E-01	0.00E+00	1.12E-01
		K-40	4.58E-01	1.15E-01	2.08E-01
Sample ID: 296738	Sample Dates: 6/16/2014 - 6/23/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.16E-02	0.00E+00	2.16E-02
		Cs-134	<2.15E-02	0.00E+00	2.15E-02
		Cs-137	<1.22E-02	0.00E+00	1.22E-02
		Be-7	<1.64E-01	0.00E+00	1.64E-01
		K-40	4.29E-01	1.11E-01	2.54E-01
Sample ID: 296965	Sample Dates: 6/23/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.73E-02	0.00E+00	1.73E-02
		Cs-134	<1.65E-02	0.00E+00	1.65E-02
		Cs-137	<1.80E-02	0.00E+00	1.80E-02
		Be-7	<9.53E-02	0.00E+00	9.53E-02
		K-40	3.30E-01	1.31E-01	6.46E-02
Sample ID: 297362	Sample Dates: 6/30/2014 - 7/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.09E-02	0.00E+00	2.09E-02
		Cs-134	<1.74E-02	0.00E+00	1.74E-02
		Cs-137	<1.78E-02	0.00E+00	1.78E-02
		Be-7	<1.48E-01	0.00E+00	1.48E-01
		K-40	6.27E-01	1.34E-01	3.09E-01
Sample ID: 297650	Sample Dates: 7/7/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<5.32E-02	0.00E+00	5.32E-02
		Cs-134	<2.14E-02	0.00E+00	2.14E-02
		Cs-137	<2.32E-02	0.00E+00	2.32E-02
		Be-7	<9.17E-02	0.00E+00	9.17E-02
		K-40	5.20E-01	2.80E-01	2.78E-01
Sample ID: 298186	Sample Dates: 7/14/2014 - 7/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<3.80E-02	0.00E+00	3.80E-02
		Cs-134	<1.05E-02	0.00E+00	1.05E-02
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<1.85E-01	0.00E+00	1.85E-01
		K-40	<6.33E-01	0.00E+00	6.33E-01
Sample ID: 350187	Sample Dates: 7/21/2014 - 7/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.58E-02	0.00E+00	2.58E-02
		Cs-134	<1.86E-02	0.00E+00	1.86E-02
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<2.00E-01	0.00E+00	2.00E-01
		K-40	<7.30E-01	0.00E+00	7.30E-01
Sample ID: 350928	Sample Dates: 7/28/2014 - 8/4/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.71E-02	0.00E+00	2.71E-02
		Cs-134	<1.31E-02	0.00E+00	1.31E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.66E-01	0.00E+00	1.66E-01
		K-40	4.46E-01	2.85E-01	3.49E-01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.





# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 91 [ INDICATOR - ENE @ 1.6 miles ]

Sample ID: 351174	Sample Dates: 8/4/2014 - 8/11/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.79E-02	0.00E+00	1.79E-02
		Cs-134	<1.69E-02	0.00E+00	1.69E-02
		Cs-137	<2.11E-02	0.00E+00	2.11E-02
		Be-7	<1.04E-01	0.00E+00	1.04E-01
		K-40	4.15E-01	2.25E-01	8.04E-02
Sample ID: 351551	Sample Dates: 8/11/2014 - 8/18/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.22E-02	0.00E+00	2.22E-02
		Cs-134	<1.96E-02	0.00E+00	1.96E-02
		Cs-137	<1.63E-02	0.00E+00	1.63E-02
		Be-7	<1.78E-01	0.00E+00	1.78E-01
		K-40	6.39E-01	3.03E-01	2.69E-01
Sample ID: 353403	Sample Dates: 8/18/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.38E-02	0.00E+00	2.38E-02
		Cs-134	<2.54E-02	0.00E+00	2.54E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.69E-01	0.00E+00	1.69E-01
		K-40	4.16E-01	2.85E-01	3.67E-01
Sample ID: 354019	Sample Dates: 8/25/2014 - 9/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.28E-02	0.00E+00	2.28E-02
		Cs-134	<1.36E-02	0.00E+00	1.36E-02
		Cs-137	<1.66E-02	0.00E+00	1.66E-02
		Be-7	<1.05E-01	0.00E+00	1.05E-01
		K-40	3.38E-01	1.90E-01	7.04E-02
Sample ID: 354420	Sample Dates: 9/2/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.83E-02	0.00E+00	1.83E-02
		Cs-134	<1.28E-02	0.00E+00	1.28E-02
		Cs-137	<1.50E-02	0.00E+00	1.50E-02
		Be-7	<1.02E-01	0.00E+00	1.02E-01
		K-40	5.47E-01	2.28E-01	2.36E-01
Sample ID: 354731	Sample Dates: 9/8/2014 - 9/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.82E-02	0.00E+00	1.82E-02
		Cs-134	<2.98E-02	0.00E+00	2.98E-02
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<1.35E-01	0.00E+00	1.35E-01
		K-40	3.27E-01	2.32E-01	2.77E-01
Sample ID: 355110	Sample Dates: 9/15/2014 - 9/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.49E-02	0.00E+00	2.49E-02
		Cs-134	<1.31E-02	0.00E+00	1.31E-02
		Cs-137	<2.12E-02	0.00E+00	2.12E-02
		Be-7	<1.33E-01	0.00E+00	1.33E-01
		K-40	3.76E-01	2.89E-01	4.01E-01
Sample ID: 355605	Sample Dates: 9/22/2014 - 9/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.17E-02	0.00E+00	2.17E-02
		Cs-134	<1.85E-02	0.00E+00	1.85E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.47E-01	0.00E+00	1.47E-01
		K-40	<5.40E-01	0.00E+00	5.40E-01
Sample ID: 356466	Sample Dates: 9/29/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.83E-02	0.00E+00	1.83E-02
		Cs-134	<1.70E-02	0.00E+00	1.70E-02
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<1.21E-01	0.00E+00	1.21E-01
		K-40	3.19E-01	2.68E-01	3.82E-01
Sample ID: 357016	Sample Dates: 10/6/2014 - 10/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.60E-02	0.00E+00	1.60E-02
		Cs-134	<1.04E-02	0.00E+00	1.04E-02
		Cs-137	<2.12E-02	0.00E+00	2.12E-02
		Be-7	<1.48E-01	0.00E+00	1.48E-01
		K-40	4.75E-01	2.41E-01	8.05E-02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 91 [ INDICATOR - ENE @ 1.6 miles ]

Sample ID: 358009	Sample Dates: 10/13/2014 - 10/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.67E-02	0.00E+00	2.67E-02
		Cs-134	<1.31E-02	0.00E+00	1.31E-02
		Cs-137	<1.64E-02	0.00E+00	1.64E-02
		Be-7	<1.34E-01	0.00E+00	1.34E-01
		K-40	<5.18E-01	0.00E+00	5.18E-01
Sample ID: 358630	Sample Dates: 10/20/2014 - 10/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.37E-02	0.00E+00	2.37E-02
		Cs-134	<1.52E-02	0.00E+00	1.52E-02
		Cs-137	<2.12E-02	0.00E+00	2.12E-02
		Be-7	<1.36E-01	0.00E+00	1.36E-01
		K-40	5.05E-01	2.49E-01	8.05E-02
Sample ID: 359247	Sample Dates: 10/27/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<6.07E-03	0.00E+00	6.07E-03
		Cs-134	<3.36E-03	0.00E+00	3.36E-03
		Cs-137	<4.36E-03	0.00E+00	4.36E-03
		Be-7	<3.36E-02	0.00E+00	3.36E-02
		K-40	4.67E-01	9.32E-02	6.50E-02
Sample ID: 359995	Sample Dates: 11/3/2014 - 11/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.59E-02	0.00E+00	2.59E-02
		Cs-134	<1.31E-02	0.00E+00	1.31E-02
		Cs-137	<1.64E-02	0.00E+00	1.64E-02
		Be-7	<1.60E-01	0.00E+00	1.60E-01
		K-40	5.21E-01	2.78E-01	2.70E-01
Sample ID: 360682	Sample Dates: 11/10/2014 - 11/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.22E-02	0.00E+00	2.22E-02
		Cs-134	<1.70E-02	0.00E+00	1.70E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.21E-01	0.00E+00	1.21E-01
		K-40	5.91E-01	3.80E-01	5.22E-01
Sample ID: 361548	Sample Dates: 11/17/2014 - 11/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.07E-02	0.00E+00	2.07E-02
		Cs-134	<1.04E-02	0.00E+00	1.04E-02
		Cs-137	<1.36E-02	0.00E+00	1.36E-02
		Be-7	<7.10E-02	0.00E+00	7.10E-02
		K-40	6.50E-01	2.15E-01	1.67E-01
Sample ID: 361932	Sample Dates: 11/24/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.77E-02	0.00E+00	2.77E-02
		Cs-134	<1.19E-02	0.00E+00	1.19E-02
		Cs-137	<1.28E-02	0.00E+00	1.28E-02
		Be-7	<1.02E-01	0.00E+00	1.02E-01
		K-40	5.34E-01	2.32E-01	6.57E-02
Sample ID: 362748	Sample Dates: 12/1/2014 - 12/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<2.24E-02	0.00E+00	2.24E-02
		Cs-134	<1.75E-02	0.00E+00	1.75E-02
		Cs-137	<1.81E-02	0.00E+00	1.81E-02
		Be-7	<1.16E-01	0.00E+00	1.16E-01
		K-40	5.10E-01	2.26E-01	6.58E-02
Sample ID: 363493	Sample Dates: 12/8/2014 - 12/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.08E-02	0.00E+00	1.08E-02
		Cs-134	<9.02E-03	0.00E+00	9.02E-03
		Cs-137	<1.03E-02	0.00E+00	1.03E-02
		Be-7	<9.19E-02	0.00E+00	9.19E-02
		K-40	5.48E-01	2.01E-01	1.77E-01
Sample ID: 363944	Sample Dates: 12/15/2014 - 12/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		I-131	<1.85E-02	0.00E+00	1.85E-02
		Cs-134	<1.16E-02	0.00E+00	1.16E-02
		Cs-137	<1.44E-02	0.00E+00	1.44E-02
		Be-7	<8.64E-02	0.00E+00	8.64E-02
		K-40	4.54E-01	2.44E-01	3.13E-01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



## HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 91 [ INDICATOR - ENE @ 1.6 miles ]

Sample ID:	364475	Sample Dates:	12/22/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				I-131	<1.77E-02	0.00E+00	1.77E-02
				Cs-134	<1.07E-02	0.00E+00	1.07E-02
				Cs-137	<1.44E-02	0.00E+00	1.44E-02
				Be-7	<1.02E-01	0.00E+00	1.02E-01
				K-40	6.93E-01	2.44E-01	1.87E-01

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

Sample Point 26 [ INDICATOR - S @ 4.7 miles ]

Sample ID:	357354	Sample Dates:	9/30/2014 - 9/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<1.44E+01	0.00E+00	1.44E+01
				Co-58	<1.79E+01	0.00E+00	1.79E+01
				Fe-59	<3.08E+01	0.00E+00	3.08E+01
				Co-60	<1.98E+01	0.00E+00	1.98E+01
				Zn-65	<4.24E+01	0.00E+00	4.24E+01
				Zr-95	<3.70E+01	0.00E+00	3.70E+01
				Nb-95	<1.74E+01	0.00E+00	1.74E+01
				I-131	<1.85E+01	0.00E+00	1.85E+01
				Cs-134	<1.94E+01	0.00E+00	1.94E+01
				Cs-137	<1.97E+01	0.00E+00	1.97E+01
				BaLa-140	<1.74E+01	0.00E+00	1.74E+01
				Be-7	1.86E+02	1.44E+02	2.25E+02
				K-40	1.37E+03	3.53E+02	3.42E+02

Sample Point 41 [ INDICATOR - S @ 3.8 miles ]

Sample ID:	357355	Sample Dates:	9/30/2014 - 9/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<2.18E+01	0.00E+00	2.18E+01
				Co-58	<2.26E+01	0.00E+00	2.26E+01
				Fe-59	<2.12E+01	0.00E+00	2.12E+01
				Co-60	<2.02E+01	0.00E+00	2.02E+01
				Zn-65	<4.54E+01	0.00E+00	4.54E+01
				Zr-95	<3.22E+01	0.00E+00	3.22E+01
				Nb-95	<2.00E+01	0.00E+00	2.00E+01
				I-131	<2.05E+01	0.00E+00	2.05E+01
				Cs-134	<1.97E+01	0.00E+00	1.97E+01
				Cs-137	<1.79E+01	0.00E+00	1.79E+01
				BaLa-140	<2.38E+01	0.00E+00	2.38E+01
				Be-7	2.53E+02	1.33E+02	1.83E+02
				K-40	1.48E+03	3.78E+02	2.55E+02

Sample Point 61 [ CONTROL - E @ 2.5 miles ]

Sample ID:	357356	Sample Dates:	9/30/2014 - 9/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<6.95E+00	0.00E+00	6.95E+00
				Co-58	<1.09E+01	0.00E+00	1.09E+01
				Fe-59	<2.48E+01	0.00E+00	2.48E+01
				Co-60	<1.41E+01	0.00E+00	1.41E+01
				Zn-65	<2.86E+01	0.00E+00	2.86E+01
				Zr-95	<1.95E+01	0.00E+00	1.95E+01
				Nb-95	<1.32E+01	0.00E+00	1.32E+01
				I-131	<1.17E+01	0.00E+00	1.17E+01
				Cs-134	<1.38E+01	0.00E+00	1.38E+01
				Cs-137	<1.61E+01	0.00E+00	1.61E+01
				BaLa-140	<1.21E+01	0.00E+00	1.21E+01
				Be-7	1.01E+02	9.77E+01	1.57E+02
				K-40	1.19E+03	2.44E+02	1.83E+02

Media Type: CROPS Concentration (Activity): pCi/kg wet

Sample Point 5 [ CONTROL - NNW @ 12 miles ]

Sample ID:	294642	Sample Dates:	7/14/2014 - 7/14/2014	TOMATOES	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					I-131	<3.23E+01	0.00E+00	3.23E+01
					Cs-134	<1.44E+01	0.00E+00	1.44E+01
					Cs-137	<1.92E+01	0.00E+00	1.92E+01
					Be-7	<1.24E+02	0.00E+00	1.24E+02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

Media Type: CROPS Concentration (Activity): pCi/kg wet

Sample Point 5 [ CONTROL - NNW @ 12 miles ]

Sample ID:	294642	Sample Dates:	7/14/2014 - 7/14/2014	TOMATOES	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					K-40	2.98E+03	4.76E+02	1.86E+02
Sample ID:	351557	Sample Dates:	8/11/2014 - 8/11/2014	TOMATOES	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					I-131	<2.02E+01	0.00E+00	2.02E+01
					Cs-134	<1.65E+01	0.00E+00	1.65E+01
					Cs-137	<2.27E+01	0.00E+00	2.27E+01
					Be-7	<1.41E+02	0.00E+00	1.41E+02
					K-40	2.50E+03	5.37E+02	3.65E+02

## Sample Point 97 [ CONTROL - NW @ 19.1 miles ]

Sample ID:	298315	Sample Dates:	7/7/2014 - 7/7/2014	SQUASH	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					I-131	<3.07E+01	0.00E+00	3.07E+01
					Cs-134	<9.41E+00	0.00E+00	9.41E+00
					Cs-137	<1.48E+01	0.00E+00	1.48E+01
					Be-7	<1.17E+02	0.00E+00	1.17E+02
					K-40	1.69E+03	3.02E+02	1.64E+02
Sample ID:	298293	Sample Dates:	7/7/2014 - 7/7/2014	CUCUMBERS	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					I-131	<4.28E+01	0.00E+00	4.28E+01
					Cs-134	<1.15E+01	0.00E+00	1.15E+01
					Cs-137	<1.29E+01	0.00E+00	1.29E+01
					Be-7	<1.05E+02	0.00E+00	1.05E+02
					K-40	1.63E+03	2.91E+02	1.26E+02
Sample ID:	298316	Sample Dates:	7/7/2014 - 7/7/2014	ZUCCHINI	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					I-131	<3.77E+01	0.00E+00	3.77E+01
					Cs-134	<1.11E+01	0.00E+00	1.11E+01
					Cs-137	<1.25E+01	0.00E+00	1.25E+01
					Be-7	<1.03E+02	0.00E+00	1.03E+02
					K-40	1.69E+03	3.07E+02	2.12E+02
Sample ID:	354253	Sample Dates:	8/19/2014 - 8/19/2014	TOMATOES	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					I-131	<1.28E+01	0.00E+00	1.28E+01
					Cs-134	<1.63E+01	0.00E+00	1.63E+01
					Cs-137	<1.40E+01	0.00E+00	1.40E+01
					Be-7	<9.95E+01	0.00E+00	9.95E+01
					K-40	1.96E+03	3.31E+02	1.27E+02
Sample ID:	354255	Sample Dates:	8/19/2014 - 8/19/2014	CUCUMBERS	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					I-131	<1.44E+01	0.00E+00	1.44E+01
					Cs-134	<1.37E+01	0.00E+00	1.37E+01
					Cs-137	<1.42E+01	0.00E+00	1.42E+01
					Be-7	<1.07E+02	0.00E+00	1.07E+02
					K-40	1.19E+03	2.67E+02	1.95E+02
Sample ID:	354254	Sample Dates:	8/19/2014 - 8/19/2014	OKRA	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					I-131	<2.42E+01	0.00E+00	2.42E+01
					Cs-134	<3.55E+01	0.00E+00	3.55E+01
					Cs-137	<2.56E+01	0.00E+00	2.56E+01
					Be-7	<1.79E+02	0.00E+00	1.79E+02
					K-40	2.46E+03	5.89E+02	3.15E+02
Sample ID:	355354	Sample Dates:	9/16/2014 - 9/16/2014	EGGPLANT	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					I-131	<1.56E+01	0.00E+00	1.56E+01
					Cs-134	<1.71E+01	0.00E+00	1.71E+01
					Cs-137	<1.57E+01	0.00E+00	1.57E+01
					Be-7	<1.15E+02	0.00E+00	1.15E+02
					K-40	2.52E+03	5.02E+02	3.45E+02
Sample ID:	354741	Sample Dates:	9/16/2014 - 9/16/2014	OKRA	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					I-131	<1.46E+01	0.00E+00	1.46E+01
					Cs-134	<2.67E+01	0.00E+00	2.67E+01
					Cs-137	<1.85E+01	0.00E+00	1.85E+01
					Be-7	<1.28E+02	0.00E+00	1.28E+02
					K-40	2.18E+03	4.72E+02	2.47E+02
Sample ID:	358022	Sample Dates:	10/14/2014 - 10/14/2014	TURNIPSGRE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					I-131	<1.61E+01	0.00E+00	1.61E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



## HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

Media Type: CROPS Concentration (Activity): pCi/kg wet

Sample Point 97 [ CONTROL - NW @ 19.1 miles ]

Sample ID: 358022	Sample Dates: 10/14/2014 - 10/14/2014	TURNIPSGRE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Cs-134	<2.07E+01	0.00E+00	2.07E+01
			Cs-137	<1.92E+01	0.00E+00	1.92E+01
			Be-7	<1.59E+02	0.00E+00	1.59E+02
			K-40	2.37E+03	4.24E+02	1.94E+02
Sample ID: 358023	Sample Dates: 10/14/2014 - 10/14/2014	RADISHES	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			I-131	<1.48E+01	0.00E+00	1.48E+01
			Cs-134	<1.21E+01	0.00E+00	1.21E+01
			Cs-137	<1.23E+01	0.00E+00	1.23E+01
			Be-7	<9.16E+01	0.00E+00	9.16E+01
Sample ID: 358024	Sample Dates: 10/14/2014 - 10/14/2014	MUSTGREENS	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			I-131	<3.85E+01	0.00E+00	3.85E+01
			Cs-134	<2.16E+01	0.00E+00	2.16E+01
			Cs-137	<4.22E+01	0.00E+00	4.22E+01
			Be-7	<3.94E+02	0.00E+00	3.94E+02
Sample ID: 360688	Sample Dates: 11/11/2014 - 11/11/2014	COLLARDS	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			I-131	<1.03E+01	0.00E+00	1.03E+01
			Cs-134	<1.19E+01	0.00E+00	1.19E+01
			Cs-137	<9.65E+00	0.00E+00	9.65E+00
			Be-7	9.03E+01	6.67E+01	1.05E+02
Sample ID: 360686	Sample Dates: 11/11/2014 - 11/11/2014	LETTUCE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			I-131	<1.86E+01	0.00E+00	1.86E+01
			Cs-134	<2.23E+01	0.00E+00	2.23E+01
			Cs-137	<2.08E+01	0.00E+00	2.08E+01
			Be-7	<1.47E+02	0.00E+00	1.47E+02
Sample ID: 360687	Sample Dates: 11/11/2014 - 11/11/2014	TURNIPGREE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			I-131	<2.75E+01	0.00E+00	2.75E+01
			Cs-134	<2.22E+01	0.00E+00	2.22E+01
			Cs-137	<2.53E+01	0.00E+00	2.53E+01
			Be-7	1.41E+02	1.62E+02	2.63E+02
Sample ID: 363497	Sample Dates: 12/16/2014 - 12/16/2014	LETTUCE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			I-131	<2.65E+01	0.00E+00	2.65E+01
			Cs-134	<3.63E+01	0.00E+00	3.63E+01
			Cs-137	<3.69E+01	0.00E+00	3.69E+01
			Be-7	1.50E+02	1.75E+02	2.85E+02
Sample ID: 363498	Sample Dates: 12/16/2014 - 12/16/2014	CABBAGE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			I-131	<1.28E+01	0.00E+00	1.28E+01
			Cs-134	<1.63E+01	0.00E+00	1.63E+01
			Cs-137	<1.46E+01	0.00E+00	1.46E+01
			Be-7	7.67E+01	7.94E+01	1.28E+02
Sample ID: 363499	Sample Dates: 12/16/2014 - 12/16/2014	COLLARDS	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			I-131	<1.72E+01	0.00E+00	1.72E+01
			Cs-134	<1.95E+01	0.00E+00	1.95E+01
			Cs-137	<2.45E+01	0.00E+00	2.45E+01
			Be-7	3.01E+02	1.72E+02	2.57E+02

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

Sample Point 51 [ INDICATOR - -- @ 0 miles ]

Sample ID: 281702	Sample Dates: 1/6/2014 - 1/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<3.86E+00	0.00E+00	3.86E+00
		K-40	1.52E+01	2.42E+00	5.24E+00

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 51 [ INDICATOR - -- @ 0 miles ]

Sample ID:	281702	Sample Dates:	1/6/2014 - 1/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				LLI-131	<6.45E-01	0.00E+00	6.45E-01
Sample ID:	283027	Sample Dates:	1/20/2014 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<3.10E+00	0.00E+00	3.10E+00
				K-40	9.88E+00	1.94E+00	6.32E+00
				LLI-131	<6.10E-01	0.00E+00	6.10E-01
Sample ID:	283031	Sample Dates:	1/6/2014 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.48E+00	4.12E-01	1.21E+00
				Mn-54	<6.09E+00	0.00E+00	6.09E+00
				Co-58	<6.05E+00	0.00E+00	6.05E+00
				Fe-59	<1.15E+01	0.00E+00	1.15E+01
				Co-60	<3.38E+00	0.00E+00	3.38E+00
				Zn-65	<1.16E+01	0.00E+00	1.16E+01
				Zr-95	<1.03E+01	0.00E+00	1.03E+01
				Nb-95	<5.65E+00	0.00E+00	5.65E+00
				I-131	<1.38E+01	0.00E+00	1.38E+01
				Cs-134	<4.39E+00	0.00E+00	4.39E+00
				Cs-137	<4.69E+00	0.00E+00	4.69E+00
				BaLa-140	<1.43E+01	0.00E+00	1.43E+01
				Be-7	<5.15E+01	0.00E+00	5.15E+01
				K-40	1.82E+02	2.86E+01	3.78E+01
				H3DW	7.17E+03	1.20E+02	1.53E+02
Sample ID:	284714	Sample Dates:	2/3/2014 - 2/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<4.08E+00	0.00E+00	4.08E+00
				K-40	3.37E+01	3.92E+00	6.32E+00
				LLI-131	<5.70E-01	0.00E+00	5.70E-01
Sample ID:	286056	Sample Dates:	2/17/2014 - 2/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<3.22E+00	0.00E+00	3.22E+00
				K-40	1.92E+01	3.95E+00	4.53E+00
				LLI-131	<4.85E-01	0.00E+00	4.85E-01
Sample ID:	287389	Sample Dates:	3/3/2014 - 3/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<2.06E+00	0.00E+00	2.06E+00
				K-40	2.01E+01	2.48E+00	2.86E+00
				LLI-131	<6.28E-01	0.00E+00	6.28E-01
Sample ID:	289228	Sample Dates:	3/17/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<3.15E+00	0.00E+00	3.15E+00
				K-40	1.98E+01	2.66E+00	4.53E+00
				LLI-131	<5.30E-01	0.00E+00	5.30E-01
Sample ID:	289232	Sample Dates:	3/3/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.27E+00	3.86E-01	1.13E+00
				Mn-54	<3.73E+00	0.00E+00	3.73E+00
				Co-58	<3.65E+00	0.00E+00	3.65E+00
				Fe-59	<7.96E+00	0.00E+00	7.96E+00
				Co-60	<5.04E+00	0.00E+00	5.04E+00
				Zn-65	<9.48E+00	0.00E+00	9.48E+00
				Zr-95	<7.21E+00	0.00E+00	7.21E+00
				Nb-95	<4.61E+00	0.00E+00	4.61E+00
				I-131	<1.12E+01	0.00E+00	1.12E+01
				Cs-134	<3.11E+00	0.00E+00	3.11E+00
				Cs-137	<4.60E+00	0.00E+00	4.60E+00
				BaLa-140	<1.02E+01	0.00E+00	1.02E+01
				Be-7	<3.60E+01	0.00E+00	3.60E+01
				K-40	1.38E+02	2.94E+01	4.17E+01
				H3DW	6.53E+03	1.26E+02	1.87E+02
Sample ID:	290002	Sample Dates:	3/31/2014 - 4/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<3.43E+00	0.00E+00	3.43E+00
				K-40	2.28E+01	2.97E+00	5.69E+00
				LLI-131	<6.45E-01	0.00E+00	6.45E-01
Sample ID:	292887	Sample Dates:	4/14/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<3.02E+00	0.00E+00	3.02E+00

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 51 [ INDICATOR - -- @ 0 miles ]

Sample ID:	292887	Sample Dates:	4/14/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				K-40	9.39E+00	3.45E+00	5.30E+00
				LLI-131	<5.72E-01	0.00E+00	5.72E-01
Sample ID:	292891	Sample Dates:	3/31/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.29E+00	4.36E-01	1.42E+00
				Mn-54	<4.16E+00	0.00E+00	4.16E+00
				Co-58	<5.02E+00	0.00E+00	5.02E+00
				Fe-59	<1.21E+01	0.00E+00	1.21E+01
				Co-60	<5.38E+00	0.00E+00	5.38E+00
				Zn-65	<1.06E+01	0.00E+00	1.06E+01
				Zr-95	<1.09E+01	0.00E+00	1.09E+01
				Nb-95	<6.76E+00	0.00E+00	6.76E+00
				I-131	<1.41E+01	0.00E+00	1.41E+01
				Cs-134	<4.83E+00	0.00E+00	4.83E+00
				Cs-137	<5.76E+00	0.00E+00	5.76E+00
				BaLa-140	<1.13E+01	0.00E+00	1.13E+01
				Be-7	<5.69E+01	0.00E+00	5.69E+01
				K-40	1.05E+02	1.95E+01	5.87E+01
				H3DW	5.98E+03	1.23E+02	1.89E+02
Sample ID:	294855	Sample Dates:	4/28/2014 - 5/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<3.38E+00	0.00E+00	3.38E+00
				K-40	8.28E+00	2.76E+00	4.90E+00
				LLI-131	<6.46E-01	0.00E+00	6.46E-01
Sample ID:	295634	Sample Dates:	5/12/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<2.59E+00	0.00E+00	2.59E+00
				K-40	2.34E+01	2.16E+00	4.12E+00
				LLI-131	<4.96E-01	0.00E+00	4.96E-01
Sample ID:	295638	Sample Dates:	4/28/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.20E+00	4.02E-01	1.20E+00
				Mn-54	<5.85E+00	0.00E+00	5.85E+00
				Co-58	<5.25E+00	0.00E+00	5.25E+00
				Fe-59	<1.18E+01	0.00E+00	1.18E+01
				Co-60	<7.54E+00	0.00E+00	7.54E+00
				Zn-65	<9.09E+00	0.00E+00	9.09E+00
				Zr-95	<1.10E+01	0.00E+00	1.10E+01
				Nb-95	<5.44E+00	0.00E+00	5.44E+00
				I-131	<1.13E+01	0.00E+00	1.13E+01
				Cs-134	<4.68E+00	0.00E+00	4.68E+00
				Cs-137	<5.77E+00	0.00E+00	5.77E+00
				BaLa-140	<1.25E+01	0.00E+00	1.25E+01
				Be-7	<4.89E+01	0.00E+00	4.89E+01
				K-40	1.20E+02	2.28E+01	5.52E+01
				H3DW	5.40E+03	1.19E+02	1.93E+02
Sample ID:	296317	Sample Dates:	5/27/2014 - 6/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<4.01E+00	0.00E+00	4.01E+00
				K-40	2.33E+01	3.51E+00	4.86E+00
				LLI-131	<6.46E-01	0.00E+00	6.46E-01
Sample ID:	297116	Sample Dates:	6/9/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<3.05E+00	0.00E+00	3.05E+00
				K-40	2.12E+01	2.85E+00	3.99E+00
				LLI-131	<5.53E-01	0.00E+00	5.53E-01
Sample ID:	297120	Sample Dates:	5/27/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.67E+00	4.02E-01	1.24E+00
				Mn-54	<4.85E+00	0.00E+00	4.85E+00
				Co-58	<4.88E+00	0.00E+00	4.88E+00
				Fe-59	<9.83E+00	0.00E+00	9.83E+00
				Co-60	<5.94E+00	0.00E+00	5.94E+00
				Zn-65	<1.12E+01	0.00E+00	1.12E+01
				Zr-95	<8.57E+00	0.00E+00	8.57E+00
				Nb-95	<6.72E+00	0.00E+00	6.72E+00
				I-131	<1.43E+01	0.00E+00	1.43E+01
				Cs-134	<4.76E+00	0.00E+00	4.76E+00

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 51 [ INDICATOR - -- @ 0 miles ]

Sample ID:	297120	Sample Dates:	5/27/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-137	<6.00E+00	0.00E+00	6.00E+00
				BaLa-140	<7.87E+00	0.00E+00	7.87E+00
				Be-7	<4.52E+01	0.00E+00	4.52E+01
				K-40	7.52E+01	2.91E+01	4.13E+01
				H3DW	4.50E+03	1.13E+02	2.00E+02
Sample ID:	297732	Sample Dates:	6/23/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<2.89E+00	0.00E+00	2.89E+00
				K-40	1.52E+01	3.04E+00	3.99E+00
				LLI-131	<5.09E-01	0.00E+00	5.09E-01
Sample ID:	350090	Sample Dates:	7/7/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				LLI-131	<5.91E-01	0.00E+00	5.91E-01
Sample ID:	350094	Sample Dates:	6/23/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.22E+00	8.44E-01	1.29E+00
				Mn-54	<2.02E+00	0.00E+00	2.02E+00
				Co-58	<2.52E+00	0.00E+00	2.52E+00
				Fe-59	<6.12E+00	0.00E+00	6.12E+00
				Co-60	<2.86E+00	0.00E+00	2.86E+00
				Zn-65	<4.66E+00	0.00E+00	4.66E+00
				Zr-95	<5.39E+00	0.00E+00	5.39E+00
				Nb-95	<3.55E+00	0.00E+00	3.55E+00
				I-131	<1.19E+01	0.00E+00	1.19E+01
				Cs-134	<2.57E+00	0.00E+00	2.57E+00
				Cs-137	<2.79E+00	0.00E+00	2.79E+00
				BaLa-140	<7.62E+00	0.00E+00	7.62E+00
				Be-7	<2.51E+01	0.00E+00	2.51E+01
				K-40	6.96E+01	2.91E+01	4.01E+01
				H3DW	4.43E+03	2.12E+02	1.86E+02
Sample ID:	350708	Sample Dates:	7/21/2014 - 7/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				LLI-131	<6.26E-01	0.00E+00	6.26E-01
Sample ID:	351591	Sample Dates:	8/4/2014 - 8/11/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				LLI-131	<6.33E-01	0.00E+00	6.33E-01
Sample ID:	351592	Sample Dates:	7/21/2014 - 8/11/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.99E+00	8.30E-01	1.30E+00
				Mn-54	<3.72E+00	0.00E+00	3.72E+00
				Co-58	<5.15E+00	0.00E+00	5.15E+00
				Fe-59	<9.40E+00	0.00E+00	9.40E+00
				Co-60	<3.80E+00	0.00E+00	3.80E+00
				Zn-65	<1.03E+01	0.00E+00	1.03E+01
				Zr-95	<6.77E+00	0.00E+00	6.77E+00
				Nb-95	<5.59E+00	0.00E+00	5.59E+00
				I-131	<1.16E+01	0.00E+00	1.16E+01
				Cs-134	<3.73E+00	0.00E+00	3.73E+00
				Cs-137	<5.33E+00	0.00E+00	5.33E+00
				BaLa-140	<6.49E+00	0.00E+00	6.49E+00
				Be-7	<4.92E+01	0.00E+00	4.92E+01
				K-40	8.48E+01	4.07E+01	4.82E+01
				H3DW	4.12E+03	2.11E+02	1.97E+02
Sample ID:	354051	Sample Dates:	8/18/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				LLI-131	<6.47E-01	0.00E+00	6.47E-01
Sample ID:	354027	Sample Dates:	9/2/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				LLI-131	<5.82E-01	0.00E+00	5.82E-01
Sample ID:	354800	Sample Dates:	8/18/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	9.35E-01	8.73E-01	1.47E+00
				Mn-54	<4.29E+00	0.00E+00	4.29E+00
				Co-58	<5.29E+00	0.00E+00	5.29E+00
				Fe-59	<9.00E+00	0.00E+00	9.00E+00
				Co-60	<4.26E+00	0.00E+00	4.26E+00
				Zn-65	<7.65E+00	0.00E+00	7.65E+00
				Zr-95	<8.75E+00	0.00E+00	8.75E+00

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.





# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 51 [ INDICATOR - -- @ 0 miles ]

Sample ID: 354800	Sample Dates: 8/18/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Nb-95	<5.12E+00	0.00E+00	5.12E+00
		I-131	<1.10E+01	0.00E+00	1.10E+01
		Cs-134	<5.02E+00	0.00E+00	5.02E+00
		Cs-137	<4.33E+00	0.00E+00	4.33E+00
		BaLa-140	<8.93E+00	0.00E+00	8.93E+00
		Be-7	<3.40E+01	0.00E+00	3.40E+01
		K-40	1.74E+02	5.25E+01	5.63E+01
Sample ID: 355684	Sample Dates: 9/15/2014 - 9/22/2014	H3DW	3.66E+03	1.97E+02	1.85E+02
		Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<6.27E-01	0.00E+00	6.27E-01
Sample ID: 357087	Sample Dates: 9/29/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<6.27E-01	0.00E+00	6.27E-01
Sample ID: 357091	Sample Dates: 9/15/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	4.50E+00	8.76E-01	1.18E+00
		Mn-54	<3.54E+00	0.00E+00	3.54E+00
		Co-58	<5.33E+00	0.00E+00	5.33E+00
		Fe-59	<5.97E+00	0.00E+00	5.97E+00
		Co-60	<4.44E+00	0.00E+00	4.44E+00
		Zn-65	<9.29E+00	0.00E+00	9.29E+00
		Zr-95	<1.00E+01	0.00E+00	1.00E+01
		Nb-95	<5.22E+00	0.00E+00	5.22E+00
		I-131	<1.20E+01	0.00E+00	1.20E+01
		Cs-134	<4.65E+00	0.00E+00	4.65E+00
		Cs-137	<3.87E+00	0.00E+00	3.87E+00
		BaLa-140	<7.66E+00	0.00E+00	7.66E+00
		Be-7	<3.31E+01	0.00E+00	3.31E+01
		K-40	5.37E+01	2.72E+01	9.09E+00
		H3DW	3.59E+03	1.99E+02	1.92E+02
Sample ID: 358638	Sample Dates: 10/13/2014 - 10/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<6.44E-01	0.00E+00	6.44E-01
Sample ID: 360006	Sample Dates: 10/27/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<5.99E-01	0.00E+00	5.99E-01
Sample ID: 360007	Sample Dates: 10/13/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	2.69E+00	8.58E-01	1.29E+00
		Mn-54	<4.19E+00	0.00E+00	4.19E+00
		Co-58	<4.33E+00	0.00E+00	4.33E+00
		Fe-59	<9.57E+00	0.00E+00	9.57E+00
		Co-60	<4.08E+00	0.00E+00	4.08E+00
		Zn-65	<8.74E+00	0.00E+00	8.74E+00
		Zr-95	<5.79E+00	0.00E+00	5.79E+00
		Nb-95	<4.18E+00	0.00E+00	4.18E+00
		I-131	<1.15E+01	0.00E+00	1.15E+01
		Cs-134	<3.02E+00	0.00E+00	3.02E+00
		Cs-137	<4.27E+00	0.00E+00	4.27E+00
		BaLa-140	<1.12E+01	0.00E+00	1.12E+01
		Be-7	<3.29E+01	0.00E+00	3.29E+01
		K-40	<6.58E+01	0.00E+00	6.58E+01
		H3DW	3.57E+03	1.98E+02	1.87E+02
Sample ID: 361556	Sample Dates: 11/11/2014 - 11/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<6.21E-01	0.00E+00	6.21E-01
Sample ID: 362759	Sample Dates: 11/24/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<6.19E-01	0.00E+00	6.19E-01
Sample ID: 362760	Sample Dates: 11/11/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	2.38E+00	7.97E-01	1.20E+00
		Mn-54	<2.13E+00	0.00E+00	2.13E+00
		Co-58	<2.29E+00	0.00E+00	2.29E+00
		Fe-59	<5.07E+00	0.00E+00	5.07E+00
		Co-60	<2.20E+00	0.00E+00	2.20E+00
		Zn-65	<4.08E+00	0.00E+00	4.08E+00

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 51 [ INDICATOR - -- @ 0 miles ]

Sample ID: 362760	Sample Dates: 11/11/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Zr-95	<4.00E+00	0.00E+00	4.00E+00
		Nb-95	<2.92E+00	0.00E+00	2.92E+00
		I-131	<1.15E+01	0.00E+00	1.15E+01
		Cs-134	<2.30E+00	0.00E+00	2.30E+00
		Cs-137	<1.96E+00	0.00E+00	1.96E+00
		BaLa-140	<6.07E+00	0.00E+00	6.07E+00
		Be-7	<2.09E+01	0.00E+00	2.09E+01
		K-40	1.16E+02	2.72E+01	3.21E+01
Sample ID: 363952	Sample Dates: 12/8/2014 - 12/15/2014	H3DW	4.17E+03	2.06E+02	1.83E+02
		LLI-131	<5.89E-01	0.00E+00	5.89E-01
Sample ID: 364765	Sample Dates: 12/22/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<6.43E-01	0.00E+00	6.43E-01
Sample ID: 364766	Sample Dates: 12/8/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	2.40E+00	8.72E-01	1.37E+00
		Mn-54	<2.39E+00	0.00E+00	2.39E+00
		Co-58	<2.12E+00	0.00E+00	2.12E+00
		Fe-59	<4.38E+00	0.00E+00	4.38E+00
		Co-60	<2.09E+00	0.00E+00	2.09E+00
		Zn-65	<3.37E+00	0.00E+00	3.37E+00
		Zr-95	<4.38E+00	0.00E+00	4.38E+00
		Nb-95	<2.65E+00	0.00E+00	2.65E+00
		I-131	<1.06E+01	0.00E+00	1.06E+01
		Cs-134	<2.60E+00	0.00E+00	2.60E+00
		Cs-137	<2.23E+00	0.00E+00	2.23E+00
		BaLa-140	<6.10E+00	0.00E+00	6.10E+00
		Be-7	<1.92E+01	0.00E+00	1.92E+01
		K-40	4.20E+01	2.13E+01	2.91E+01
		H3DW	3.69E+03	2.07E+02	2.01E+02

Media Type: DW / SW Concentration (Activity): pCi/l

Sample Point 38 [ CONTROL - WSW @ 6.2 miles ]

Sample ID: 281704	Sample Dates: 12/30/2013 - 1/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<2.78E+00	0.00E+00	2.78E+00
		K-40	3.98E+01	2.95E+00	2.94E+00
		LLI-131	<6.49E-01	0.00E+00	6.49E-01
Sample ID: 283029	Sample Dates: 1/13/2014 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<2.51E+00	0.00E+00	2.51E+00
		K-40	3.98E+01	2.87E+00	3.31E+00
		LLI-131	<6.18E-01	0.00E+00	6.18E-01
Sample ID: 283033	Sample Dates: 12/30/2013 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	3.01E+00	4.28E-01	1.22E+00
		Mn-54	<3.74E+00	0.00E+00	3.74E+00
		Co-58	<4.51E+00	0.00E+00	4.51E+00
		Fe-59	<1.01E+01	0.00E+00	1.01E+01
		Co-60	<4.02E+00	0.00E+00	4.02E+00
		Zn-65	<7.06E+00	0.00E+00	7.06E+00
		Zr-95	<6.86E+00	0.00E+00	6.86E+00
		Nb-95	<5.63E+00	0.00E+00	5.63E+00
		I-131	<1.43E+01	0.00E+00	1.43E+01
		Cs-134	<3.45E+00	0.00E+00	3.45E+00
		Cs-137	<4.45E+00	0.00E+00	4.45E+00
		BaLa-140	<1.16E+01	0.00E+00	1.16E+01
		Be-7	<3.51E+01	0.00E+00	3.51E+01
Sample ID: 284716	Sample Dates: 1/27/2014 - 2/10/2014	K-40	6.05E+01	2.04E+01	4.96E+01
		H3DWSW	<5.9E+01	0.00E+00	1.53E+02
		Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<2.47E+00	0.00E+00	2.47E+00
Sample ID: 284716	Sample Dates: 1/27/2014 - 2/10/2014	K-40	4.17E+01	2.62E+00	2.62E+00
		LLI-131	<6.04E-01	0.00E+00	6.04E-01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

Media Type: DW / SW Concentration (Activity): pCi/l

Sample Point 38 [ CONTROL - WSW @ 6.2 miles ]

Sample ID: 286054	Sample Dates: 2/10/2014 - 2/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<2.10E+00	0.00E+00	2.10E+00
		K-40	2.24E+01	1.91E+00	2.41E+00
		LLI-131	<6.49E-01	0.00E+00	6.49E-01
Sample ID: 286058	Sample Dates: 1/27/2014 - 2/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	3.30E+00	4.20E-01	1.17E+00
		Mn-54	<2.95E+00	0.00E+00	2.95E+00
		Co-58	<3.41E+00	0.00E+00	3.41E+00
		Fe-59	<6.61E+00	0.00E+00	6.61E+00
		Co-60	<3.52E+00	0.00E+00	3.52E+00
		Zn-65	<5.84E+00	0.00E+00	5.84E+00
		Zr-95	<5.73E+00	0.00E+00	5.73E+00
		Nb-95	<4.67E+00	0.00E+00	4.67E+00
		I-131	<1.34E+01	0.00E+00	1.34E+01
		Cs-134	<3.18E+00	0.00E+00	3.18E+00
		Cs-137	<3.28E+00	0.00E+00	3.28E+00
		BaLa-140	<4.87E+00	0.00E+00	4.87E+00
		Be-7	<3.26E+01	0.00E+00	3.26E+01
		K-40	1.75E+02	2.28E+01	3.08E+01
		H3DWSW	<3.66E+01	0.00E+00	1.53E+02
Sample ID: 287390	Sample Dates: 2/24/2014 - 3/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<1.51E+00	0.00E+00	1.51E+00
		K-40	3.92E+01	1.70E+00	1.72E+00
		LLI-131	<5.91E-01	0.00E+00	5.91E-01
Sample ID: 289230	Sample Dates: 3/10/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<2.17E+00	0.00E+00	2.17E+00
		K-40	3.84E+01	2.19E+00	2.88E+00
		LLI-131	<5.06E-01	0.00E+00	5.06E-01
Sample ID: 289234	Sample Dates: 2/24/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	3.37E+00	4.18E-01	1.15E+00
		Mn-54	<3.18E+00	0.00E+00	3.18E+00
		Co-58	<3.91E+00	0.00E+00	3.91E+00
		Fe-59	<8.42E+00	0.00E+00	8.42E+00
		Co-60	<3.20E+00	0.00E+00	3.20E+00
		Zn-65	<6.03E+00	0.00E+00	6.03E+00
		Zr-95	<5.71E+00	0.00E+00	5.71E+00
		Nb-95	<4.81E+00	0.00E+00	4.81E+00
		I-131	<1.33E+01	0.00E+00	1.33E+01
		Cs-134	<3.07E+00	0.00E+00	3.07E+00
		Cs-137	<3.96E+00	0.00E+00	3.96E+00
		BaLa-140	<9.54E+00	0.00E+00	9.54E+00
		Be-7	<2.95E+01	0.00E+00	2.95E+01
		K-40	1.73E+02	2.67E+01	3.50E+01
		H3DWSW	<1.86E+01	0.00E+00	1.86E+02
Sample ID: 290004	Sample Dates: 3/24/2014 - 4/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<2.19E+00	0.00E+00	2.19E+00
		K-40	1.16E+01	2.22E+00	2.71E+00
		LLI-131	<4.88E-01	0.00E+00	4.88E-01
Sample ID: 292889	Sample Dates: 4/7/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<2.39E+00	0.00E+00	2.39E+00
		K-40	1.94E+01	2.13E+00	2.99E+00
		LLI-131	<5.83E-01	0.00E+00	5.83E-01
Sample ID: 292893	Sample Dates: 3/24/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	1.70E+00	4.53E-01	1.45E+00
		Mn-54	<3.70E+00	0.00E+00	3.70E+00
		Co-58	<3.48E+00	0.00E+00	3.48E+00
		Fe-59	<5.85E+00	0.00E+00	5.85E+00
		Co-60	<2.81E+00	0.00E+00	2.81E+00
		Zn-65	<6.18E+00	0.00E+00	6.18E+00
		Zr-95	<6.52E+00	0.00E+00	6.52E+00
		Nb-95	<4.81E+00	0.00E+00	4.81E+00
		I-131	<1.42E+01	0.00E+00	1.42E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

Media Type: DW / SW Concentration (Activity): pCi/l

Sample Point 38 [ CONTROL - WSW @ 6.2 miles ]

Sample ID:	292893	Sample Dates:	3/24/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-134	<2.84E+00	0.00E+00	2.84E+00
				Cs-137	<3.81E+00	0.00E+00	3.81E+00
				BaLa-140	<8.73E+00	0.00E+00	8.73E+00
				Be-7	<3.72E+01	0.00E+00	3.72E+01
				K-40	<3.36E+01	0.00E+00	3.36E+01
				H3DWSW	<1.15E+02	0.00E+00	1.90E+02
Sample ID:	294857	Sample Dates:	4/21/2014 - 5/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<2.16E+00	0.00E+00	2.16E+00
				K-40	1.30E+01	2.03E+00	2.19E+00
				LLI-131	<5.33E-01	0.00E+00	5.33E-01
Sample ID:	295636	Sample Dates:	5/5/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<2.66E+00	0.00E+00	2.66E+00
				K-40	1.50E+01	1.72E+00	2.76E+00
				LLI-131	<5.40E-01	0.00E+00	5.40E-01
Sample ID:	295640	Sample Dates:	4/21/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	3.15E+00	4.37E-01	1.24E+00
				Mn-54	<2.77E+00	0.00E+00	2.77E+00
				Co-58	<3.26E+00	0.00E+00	3.26E+00
				Fe-59	<7.24E+00	0.00E+00	7.24E+00
				Co-60	<2.85E+00	0.00E+00	2.85E+00
				Zn-65	<5.56E+00	0.00E+00	5.56E+00
				Zr-95	<5.67E+00	0.00E+00	5.67E+00
				Nb-95	<3.57E+00	0.00E+00	3.57E+00
				I-131	<1.18E+01	0.00E+00	1.18E+01
				Cs-134	<2.71E+00	0.00E+00	2.71E+00
				Cs-137	<2.90E+00	0.00E+00	2.90E+00
				BaLa-140	<8.14E+00	0.00E+00	8.14E+00
				Be-7	<2.94E+01	0.00E+00	2.94E+01
				K-40	1.78E+02	2.44E+01	2.94E+01
				H3DWSW	<-5.1E+01	0.00E+00	1.93E+02
Sample ID:	296324	Sample Dates:	5/19/2014 - 6/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<2.08E+00	0.00E+00	2.08E+00
				K-40	1.29E+01	1.85E+00	2.54E+00
				LLI-131	<5.25E-01	0.00E+00	5.25E-01
Sample ID:	297118	Sample Dates:	6/2/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<2.47E+00	0.00E+00	2.47E+00
				K-40	4.12E+01	2.58E+00	2.68E+00
				LLI-131	<5.86E-01	0.00E+00	5.86E-01
Sample ID:	297122	Sample Dates:	5/19/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	3.47E+00	4.57E-01	1.29E+00
				Mn-54	<3.23E+00	0.00E+00	3.23E+00
				Co-58	<3.45E+00	0.00E+00	3.45E+00
				Fe-59	<7.40E+00	0.00E+00	7.40E+00
				Co-60	<3.05E+00	0.00E+00	3.05E+00
				Zn-65	<6.16E+00	0.00E+00	6.16E+00
				Zr-95	<5.83E+00	0.00E+00	5.83E+00
				Nb-95	<3.93E+00	0.00E+00	3.93E+00
				I-131	<1.33E+01	0.00E+00	1.33E+01
				Cs-134	<2.69E+00	0.00E+00	2.69E+00
				Cs-137	<3.48E+00	0.00E+00	3.48E+00
				BaLa-140	<6.68E+00	0.00E+00	6.68E+00
				Be-7	<2.94E+01	0.00E+00	2.94E+01
				K-40	1.71E+02	2.30E+01	2.50E+01
				H3DWSW	<-1.1E+02	0.00E+00	2.02E+02
Sample ID:	297734	Sample Dates:	6/16/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<2.26E+00	0.00E+00	2.26E+00
				K-40	4.02E+01	2.47E+00	2.97E+00
				LLI-131	<4.99E-01	0.00E+00	4.99E-01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

Media Type: DW / SW Concentration (Activity): pCi/l

Sample Point 38 [ CONTROL - WSW @ 6.2 miles ]

Sample ID:	350092	Sample Dates:	6/30/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				LLI-131	<6.50E-01	0.00E+00	6.50E-01
Sample ID:	350096	Sample Dates:	6/16/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	3.76E+00	9.42E-01	1.36E+00
				Mn-54	<1.38E+00	0.00E+00	1.38E+00
				Co-58	<1.45E+00	0.00E+00	1.45E+00
				Fe-59	<3.66E+00	0.00E+00	3.66E+00
				Co-60	<1.42E+00	0.00E+00	1.42E+00
				Zn-65	<3.00E+00	0.00E+00	3.00E+00
				Zr-95	<2.60E+00	0.00E+00	2.60E+00
				Nb-95	<1.89E+00	0.00E+00	1.89E+00
				I-131	<1.00E+01	0.00E+00	1.00E+01
				Cs-134	<1.28E+00	0.00E+00	1.28E+00
				Cs-137	<1.45E+00	0.00E+00	1.45E+00
				BaLa-140	<4.19E+00	0.00E+00	4.19E+00
				Be-7	<1.56E+01	0.00E+00	1.56E+01
				K-40	9.68E+01	1.96E+01	2.39E+01
				H3DWSW	<1.67E+01	0.00E+00	1.87E+02
Sample ID:	350706	Sample Dates:	7/14/2014 - 7/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				LLI-131	<6.38E-01	0.00E+00	6.38E-01
Sample ID:	351583	Sample Dates:	7/28/2014 - 8/11/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				LLI-131	<5.22E-01	0.00E+00	5.22E-01
Sample ID:	351585	Sample Dates:	7/14/2014 - 8/11/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	3.44E+00	9.30E-01	1.36E+00
				Mn-54	<3.64E+00	0.00E+00	3.64E+00
				Co-58	<4.45E+00	0.00E+00	4.45E+00
				Fe-59	<8.74E+00	0.00E+00	8.74E+00
				Co-60	<4.20E+00	0.00E+00	4.20E+00
				Zn-65	<9.00E+00	0.00E+00	9.00E+00
				Zr-95	<7.29E+00	0.00E+00	7.29E+00
				Nb-95	<4.99E+00	0.00E+00	4.99E+00
				I-131	<1.17E+01	0.00E+00	1.17E+01
				Cs-134	<3.02E+00	0.00E+00	3.02E+00
				Cs-137	<3.72E+00	0.00E+00	3.72E+00
				BaLa-140	<8.16E+00	0.00E+00	8.16E+00
				Be-7	<3.38E+01	0.00E+00	3.38E+01
				K-40	1.59E+02	4.74E+01	5.11E+01
				H3DWSW	<4.3E+01	0.00E+00	1.97E+02
Sample ID:	354043	Sample Dates:	8/11/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				LLI-131	<5.69E-01	0.00E+00	5.69E-01
Sample ID:	354023	Sample Dates:	8/25/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				LLI-131	<6.49E-01	0.00E+00	6.49E-01
Sample ID:	355339	Sample Dates:	8/11/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	3.24E+00	1.01E+00	1.55E+00
				Mn-54	<2.78E+00	0.00E+00	2.78E+00
				Co-58	<3.77E+00	0.00E+00	3.77E+00
				Fe-59	<6.83E+00	0.00E+00	6.83E+00
				Co-60	<2.76E+00	0.00E+00	2.76E+00
				Zn-65	<7.02E+00	0.00E+00	7.02E+00
				Zr-95	<6.41E+00	0.00E+00	6.41E+00
				Nb-95	<3.85E+00	0.00E+00	3.85E+00
				I-131	<1.20E+01	0.00E+00	1.20E+01
				Cs-134	<4.29E+00	0.00E+00	4.29E+00
				Cs-137	<2.72E+00	0.00E+00	2.72E+00
				BaLa-140	<6.28E+00	0.00E+00	6.28E+00
				Be-7	<2.93E+01	0.00E+00	2.93E+01
				K-40	1.60E+02	4.22E+01	4.58E+01
				H3DWSW	<6.33E+01	0.00E+00	1.85E+02
Sample ID:	355682	Sample Dates:	9/8/2014 - 9/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				LLI-131	<5.84E-01	0.00E+00	5.84E-01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

Media Type: DW / SW Concentration (Activity): pCi/l

Sample Point 38 [ CONTROL - WSW @ 6.2 miles ]

Sample ID:	357085	Sample Dates:	9/22/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				LLI-131	<5.86E-01	0.00E+00	5.86E-01
Sample ID:	357089	Sample Dates:	9/8/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	1.07E+01	1.14E+00	1.24E+00
				Mn-54	<2.74E+00	0.00E+00	2.74E+00
				Co-58	<2.98E+00	0.00E+00	2.98E+00
				Fe-59	<6.47E+00	0.00E+00	6.47E+00
				Co-60	<2.56E+00	0.00E+00	2.56E+00
				Zn-65	<5.43E+00	0.00E+00	5.43E+00
				Zr-95	<6.07E+00	0.00E+00	6.07E+00
				Nb-95	<4.00E+00	0.00E+00	4.00E+00
				I-131	<1.18E+01	0.00E+00	1.18E+01
				Cs-134	<3.65E+00	0.00E+00	3.65E+00
				Cs-137	<2.45E+00	0.00E+00	2.45E+00
				BaLa-140	<6.44E+00	0.00E+00	6.44E+00
				Be-7	<2.86E+01	0.00E+00	2.86E+01
				K-40	1.82E+02	3.84E+01	3.58E+01
				H3DWSW	<-8.0E+01	0.00E+00	1.91E+02
Sample ID:	358634	Sample Dates:	10/6/2014 - 10/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				LLI-131	<6.12E-01	0.00E+00	6.12E-01
Sample ID:	360000	Sample Dates:	10/20/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				LLI-131	<5.73E-01	0.00E+00	5.73E-01
Sample ID:	360001	Sample Dates:	10/6/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	4.42E+00	9.67E-01	1.36E+00
				Mn-54	<2.81E+00	0.00E+00	2.81E+00
				Co-58	<2.38E+00	0.00E+00	2.38E+00
				Fe-59	<4.81E+00	0.00E+00	4.81E+00
				Co-60	<1.86E+00	0.00E+00	1.86E+00
				Zn-65	<5.97E+00	0.00E+00	5.97E+00
				Zr-95	<5.55E+00	0.00E+00	5.55E+00
				Nb-95	<3.33E+00	0.00E+00	3.33E+00
				I-131	<1.04E+01	0.00E+00	1.04E+01
				Cs-134	<3.12E+00	0.00E+00	3.12E+00
				Cs-137	<2.92E+00	0.00E+00	2.92E+00
				BaLa-140	<7.27E+00	0.00E+00	7.27E+00
				Be-7	<2.65E+01	0.00E+00	2.65E+01
				K-40	4.51E+01	2.66E+01	3.69E+01
				H3DWSW	<-1.4E+01	0.00E+00	1.87E+02
Sample ID:	361552	Sample Dates:	11/3/2014 - 11/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				LLI-131	<5.89E-01	0.00E+00	5.89E-01
Sample ID:	362753	Sample Dates:	11/17/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				LLI-131	<6.27E-01	0.00E+00	6.27E-01
Sample ID:	362754	Sample Dates:	11/3/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	5.21E+00	9.54E-01	1.26E+00
				Mn-54	<1.18E+00	0.00E+00	1.18E+00
				Co-58	<1.27E+00	0.00E+00	1.27E+00
				Fe-59	<2.51E+00	0.00E+00	2.51E+00
				Co-60	<1.10E+00	0.00E+00	1.10E+00
				Zn-65	<2.05E+00	0.00E+00	2.05E+00
				Zr-95	<2.19E+00	0.00E+00	2.19E+00
				Nb-95	<1.58E+00	0.00E+00	1.58E+00
				I-131	<9.02E+00	0.00E+00	9.02E+00
				Cs-134	<1.21E+00	0.00E+00	1.21E+00
				Cs-137	<9.69E-01	0.00E+00	9.69E-01
				BaLa-140	<4.67E+00	0.00E+00	4.67E+00
				Be-7	<1.06E+01	0.00E+00	1.06E+01
				K-40	2.85E+01	1.24E+01	1.81E+01
				H3DWSW	<-9.1E+01	0.00E+00	1.86E+02
Sample ID:	363948	Sample Dates:	12/1/2014 - 12/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				LLI-131	<6.43E-01	0.00E+00	6.43E-01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

Media Type: DW / SW Concentration (Activity): pCi/l

Sample Point 38 [ CONTROL - WSW @ 6.2 miles ]

Sample ID:	364761	Sample Dates:	12/15/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				LLI-131	<5.67E-01	0.00E+00	5.67E-01
Sample ID:	364762	Sample Dates:	12/1/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	4.02E+00	9.81E-01	1.44E+00
				Mn-54	<1.31E+00	0.00E+00	1.31E+00
				Co-58	<1.54E+00	0.00E+00	1.54E+00
				Fe-59	<3.15E+00	0.00E+00	3.15E+00
				Co-60	<1.26E+00	0.00E+00	1.26E+00
				Zn-65	<3.18E+00	0.00E+00	3.18E+00
				Zr-95	<2.94E+00	0.00E+00	2.94E+00
				Nb-95	<1.99E+00	0.00E+00	1.99E+00
				I-131	<8.74E+00	0.00E+00	8.74E+00
				Cs-134	<1.52E+00	0.00E+00	1.52E+00
				Cs-137	<1.47E+00	0.00E+00	1.47E+00
				BaLa-140	<5.37E+00	0.00E+00	5.37E+00
				Be-7	<1.45E+01	0.00E+00	1.45E+01
				K-40	1.98E+01	1.47E+01	2.31E+01
				H3DWSW	<-5.8E+01	0.00E+00	2.02E+02

## Sample Point 40 [ INDICATOR - SSE @ 17.2 miles ]

Sample ID:	281705	Sample Dates:	12/30/2013 - 1/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<2.89E+00	0.00E+00	2.89E+00
				K-40	1.44E+01	2.42E+00	4.31E+00
				LLI-131	<6.31E-01	0.00E+00	6.31E-01
Sample ID:	283030	Sample Dates:	1/13/2014 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<2.46E+00	0.00E+00	2.46E+00
				K-40	1.25E+01	2.38E+00	3.75E+00
				LLI-131	<5.54E-01	0.00E+00	5.54E-01
Sample ID:	283034	Sample Dates:	12/30/2013 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	2.90E+00	4.24E-01	1.22E+00
				Mn-54	<3.30E+00	0.00E+00	3.30E+00
				Co-58	<3.86E+00	0.00E+00	3.86E+00
				Fe-59	<8.81E+00	0.00E+00	8.81E+00
				Co-60	<3.76E+00	0.00E+00	3.76E+00
				Zn-65	<7.90E+00	0.00E+00	7.90E+00
				Zr-95	<7.60E+00	0.00E+00	7.60E+00
				Nb-95	<4.25E+00	0.00E+00	4.25E+00
				I-131	<1.43E+01	0.00E+00	1.43E+01
				Cs-134	<3.35E+00	0.00E+00	3.35E+00
				Cs-137	<3.04E+00	0.00E+00	3.04E+00
				BaLa-140	<9.03E+00	0.00E+00	9.03E+00
				Be-7	<3.08E+01	0.00E+00	3.08E+01
				K-40	1.75E+02	2.17E+01	3.07E+01
				H3DWSW	<6.31E+01	0.00E+00	1.52E+02
Sample ID:	284717	Sample Dates:	1/27/2014 - 2/10/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<2.10E+00	0.00E+00	2.10E+00
				K-40	1.18E+01	1.84E+00	2.76E+00
				LLI-131	<6.44E-01	0.00E+00	6.44E-01
Sample ID:	286055	Sample Dates:	2/10/2014 - 2/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<9.87E-01	0.00E+00	9.87E-01
				K-40	1.98E+01	8.79E-01	9.77E-01
				LLI-131	<7.58E-01	0.00E+00	7.58E-01
Sample ID:	286059	Sample Dates:	1/27/2014 - 2/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	3.02E+00	4.10E-01	1.16E+00
				Mn-54	<3.88E+00	0.00E+00	3.88E+00
				Co-58	<3.82E+00	0.00E+00	3.82E+00
				Fe-59	<6.38E+00	0.00E+00	6.38E+00
				Co-60	<4.58E+00	0.00E+00	4.58E+00
				Zn-65	<6.39E+00	0.00E+00	6.39E+00
				Zr-95	<7.34E+00	0.00E+00	7.34E+00
				Nb-95	<4.77E+00	0.00E+00	4.77E+00
				I-131	<1.37E+01	0.00E+00	1.37E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

Media Type: DW / SW Concentration (Activity): pCi/l

Sample Point 40 [ INDICATOR - SSE @ 17.2 miles ]

Sample ID: 286059	Sample Dates: 1/27/2014 - 2/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Cs-134	<3.18E+00	0.00E+00	3.18E+00
		Cs-137	<3.79E+00	0.00E+00	3.79E+00
		BaLa-140	<8.72E+00	0.00E+00	8.72E+00
		Be-7	<3.13E+01	0.00E+00	3.13E+01
		K-40	5.53E+01	1.83E+01	4.18E+01
Sample ID: 287391	Sample Dates: 2/24/2014 - 3/10/2014	H3DWSW	<8.33E+01	0.00E+00	1.53E+02
		Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<1.85E+00	0.00E+00	1.85E+00
		K-40	1.00E+01	1.55E+00	2.16E+00
		LLI-131	<6.14E-01	0.00E+00	6.14E-01
Sample ID: 289231	Sample Dates: 3/10/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<2.71E+00	0.00E+00	2.71E+00
		K-40	1.16E+01	2.40E+00	3.92E+00
		LLI-131	<6.14E-01	0.00E+00	6.14E-01
Sample ID: 289235	Sample Dates: 2/24/2014 - 3/24/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	2.10E+00	3.83E-01	1.13E+00
		Mn-54	<2.36E+00	0.00E+00	2.36E+00
		Co-58	<2.18E+00	0.00E+00	2.18E+00
		Fe-59	<5.40E+00	0.00E+00	5.40E+00
		Co-60	<3.26E+00	0.00E+00	3.26E+00
		Zn-65	<5.33E+00	0.00E+00	5.33E+00
		Zr-95	<4.44E+00	0.00E+00	4.44E+00
		Nb-95	<3.04E+00	0.00E+00	3.04E+00
		I-131	<9.03E+00	0.00E+00	9.03E+00
		Cs-134	<1.95E+00	0.00E+00	1.95E+00
		Cs-137	<3.00E+00	0.00E+00	3.00E+00
		BaLa-140	<6.02E+00	0.00E+00	6.02E+00
		Be-7	<2.34E+01	0.00E+00	2.34E+01
		K-40	7.12E+01	1.31E+01	2.53E+01
		H3DWSW	<1.39E+01	0.00E+00	1.86E+02
Sample ID: 290005	Sample Dates: 3/24/2014 - 4/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<2.88E+00	0.00E+00	2.88E+00
		K-40	1.27E+01	2.21E+00	3.78E+00
		LLI-131	<6.04E-01	0.00E+00	6.04E-01
Sample ID: 292890	Sample Dates: 4/7/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<2.39E+00	0.00E+00	2.39E+00
		K-40	2.12E+01	2.18E+00	3.59E+00
		LLI-131	<6.33E-01	0.00E+00	6.33E-01
Sample ID: 292894	Sample Dates: 3/24/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	1.82E+00	4.49E-01	1.43E+00
		Mn-54	<3.29E+00	0.00E+00	3.29E+00
		Co-58	<3.99E+00	0.00E+00	3.99E+00
		Fe-59	<7.28E+00	0.00E+00	7.28E+00
		Co-60	<4.39E+00	0.00E+00	4.39E+00
		Zn-65	<7.76E+00	0.00E+00	7.76E+00
		Zr-95	<6.18E+00	0.00E+00	6.18E+00
		Nb-95	<5.36E+00	0.00E+00	5.36E+00
		I-131	<1.18E+01	0.00E+00	1.18E+01
		Cs-134	<2.91E+00	0.00E+00	2.91E+00
		Cs-137	<4.27E+00	0.00E+00	4.27E+00
		BaLa-140	<7.95E+00	0.00E+00	7.95E+00
		Be-7	<2.87E+01	0.00E+00	2.87E+01
		K-40	6.44E+01	1.44E+01	3.16E+01
		H3DWSW	<1.64E+02	0.00E+00	1.89E+02
Sample ID: 294858	Sample Dates: 4/21/2014 - 5/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<1.61E+00	0.00E+00	1.61E+00
		K-40	2.02E+01	1.78E+00	2.18E+00
		LLI-131	<4.33E-01	0.00E+00	4.33E-01
Sample ID: 295637	Sample Dates: 5/5/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<2.71E+00	0.00E+00	2.71E+00

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.





# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

Media Type: DW / SW Concentration (Activity): pCi/l

Sample Point 40 [ INDICATOR - SSE @ 17.2 miles ]

Sample ID: 295637	Sample Dates: 5/5/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		K-40	1.09E+01	2.37E+00	3.81E+00
		LLI-131	<6.29E-01	0.00E+00	6.29E-01
Sample ID: 295641	Sample Dates: 4/21/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	2.66E+00	4.16E-01	1.20E+00
		Mn-54	<3.41E+00	0.00E+00	3.41E+00
		Co-58	<3.63E+00	0.00E+00	3.63E+00
		Fe-59	<7.38E+00	0.00E+00	7.38E+00
		Co-60	<4.19E+00	0.00E+00	4.19E+00
		Zn-65	<8.41E+00	0.00E+00	8.41E+00
		Zr-95	<7.69E+00	0.00E+00	7.69E+00
		Nb-95	<5.13E+00	0.00E+00	5.13E+00
		I-131	<1.40E+01	0.00E+00	1.40E+01
		Cs-134	<2.98E+00	0.00E+00	2.98E+00
		Cs-137	<3.94E+00	0.00E+00	3.94E+00
		BaLa-140	<7.32E+00	0.00E+00	7.32E+00
		Be-7	<2.89E+01	0.00E+00	2.89E+01
		K-40	4.97E+01	2.02E+01	4.23E+01
Sample ID: 296326	Sample Dates: 5/19/2014 - 6/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<2.74E+00	0.00E+00	2.74E+00
		K-40	4.71E+01	3.13E+00	3.45E+00
		LLI-131	<6.42E-01	0.00E+00	6.42E-01
Sample ID: 297119	Sample Dates: 6/2/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<2.27E+00	0.00E+00	2.27E+00
		K-40	1.06E+01	2.05E+00	3.77E+00
		LLI-131	<4.88E-01	0.00E+00	4.88E-01
Sample ID: 297123	Sample Dates: 5/19/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	3.61E+00	4.50E-01	1.26E+00
		Mn-54	<2.90E+00	0.00E+00	2.90E+00
		Co-58	<3.14E+00	0.00E+00	3.14E+00
		Fe-59	<8.01E+00	0.00E+00	8.01E+00
		Co-60	<3.74E+00	0.00E+00	3.74E+00
		Zn-65	<6.40E+00	0.00E+00	6.40E+00
		Zr-95	<6.13E+00	0.00E+00	6.13E+00
		Nb-95	<3.54E+00	0.00E+00	3.54E+00
		I-131	<9.75E+00	0.00E+00	9.75E+00
		Cs-134	<3.06E+00	0.00E+00	3.06E+00
		Cs-137	<3.65E+00	0.00E+00	3.65E+00
		BaLa-140	<1.03E+01	0.00E+00	1.03E+01
		Be-7	<2.81E+01	0.00E+00	2.81E+01
		K-40	8.83E+01	1.46E+01	2.68E+01
Sample ID: 297735	Sample Dates: 6/16/2014 - 6/30/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<2.66E+00	0.00E+00	2.66E+00
		K-40	1.06E+01	3.52E+00	4.77E+00
		LLI-131	<6.50E-01	0.00E+00	6.50E-01
Sample ID: 350093	Sample Dates: 6/30/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<6.24E-01	0.00E+00	6.24E-01
Sample ID: 350097	Sample Dates: 6/16/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	3.53E+00	9.13E-01	1.32E+00
		Mn-54	<1.55E+00	0.00E+00	1.55E+00
		Co-58	<1.77E+00	0.00E+00	1.77E+00
		Fe-59	<3.90E+00	0.00E+00	3.90E+00
		Co-60	<1.44E+00	0.00E+00	1.44E+00
		Zn-65	<3.24E+00	0.00E+00	3.24E+00
		Zr-95	<3.26E+00	0.00E+00	3.26E+00
		Nb-95	<2.41E+00	0.00E+00	2.41E+00
		I-131	<1.16E+01	0.00E+00	1.16E+01
		Cs-134	<1.17E+00	0.00E+00	1.17E+00
		Cs-137	<1.30E+00	0.00E+00	1.30E+00
		BaLa-140	<5.35E+00	0.00E+00	5.35E+00

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

Media Type: DW / SW Concentration (Activity): pCi/l

Sample Point 40 [ INDICATOR - SSE @ 17.2 miles ]

Sample ID: 350097	Sample Dates: 6/16/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<1.56E+01	0.00E+00	1.56E+01
		K-40	1.89E+02	2.66E+01	2.54E+01
		H3DWSW	<-1.2E+01	0.00E+00	1.87E+02
Sample ID: 350707	Sample Dates: 7/14/2014 - 7/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<6.49E-01	0.00E+00	6.49E-01
Sample ID: 351588	Sample Dates: 7/28/2014 - 8/11/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<6.42E-01	0.00E+00	6.42E-01
Sample ID: 351589	Sample Dates: 7/14/2014 - 8/11/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	3.53E+00	9.07E-01	1.32E+00
		Mn-54	<3.16E+00	0.00E+00	3.16E+00
		Co-58	<2.96E+00	0.00E+00	2.96E+00
		Fe-59	<6.72E+00	0.00E+00	6.72E+00
		Co-60	<3.55E+00	0.00E+00	3.55E+00
		Zn-65	<7.31E+00	0.00E+00	7.31E+00
		Zr-95	<6.53E+00	0.00E+00	6.53E+00
		Nb-95	<4.52E+00	0.00E+00	4.52E+00
		I-131	<1.17E+01	0.00E+00	1.17E+01
		Cs-134	<2.42E+00	0.00E+00	2.42E+00
		Cs-137	<3.25E+00	0.00E+00	3.25E+00
		BaLa-140	<9.32E+00	0.00E+00	9.32E+00
		Be-7	<2.95E+01	0.00E+00	2.95E+01
Sample ID: 354047	Sample Dates: 8/11/2014 - 8/25/2014	K-40	9.69E+01	3.65E+01	4.65E+01
		H3DWSW	<-3.4E+01	0.00E+00	1.97E+02
		Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<6.12E-01	0.00E+00	6.12E-01
Sample ID: 354025	Sample Dates: 8/25/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<6.34E-01	0.00E+00	6.34E-01
Sample ID: 354799	Sample Dates: 8/11/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	2.91E+00	9.60E-01	1.49E+00
		Mn-54	<2.73E+00	0.00E+00	2.73E+00
		Co-58	<2.86E+00	0.00E+00	2.86E+00
		Fe-59	<5.93E+00	0.00E+00	5.93E+00
		Co-60	<2.71E+00	0.00E+00	2.71E+00
		Zn-65	<5.86E+00	0.00E+00	5.86E+00
		Zr-95	<6.11E+00	0.00E+00	6.11E+00
		Nb-95	<4.04E+00	0.00E+00	4.04E+00
		I-131	<1.12E+01	0.00E+00	1.12E+01
		Cs-134	<2.83E+00	0.00E+00	2.83E+00
		Cs-137	<2.93E+00	0.00E+00	2.93E+00
		BaLa-140	<6.89E+00	0.00E+00	6.89E+00
		Be-7	<2.49E+01	0.00E+00	2.49E+01
Sample ID: 355683	Sample Dates: 9/8/2014 - 9/22/2014	K-40	1.05E+02	3.72E+01	5.01E+01
		H3DWSW	<5.18E+01	0.00E+00	1.86E+02
		Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<5.83E-01	0.00E+00	5.83E-01
Sample ID: 357086	Sample Dates: 9/22/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<6.19E-01	0.00E+00	6.19E-01
Sample ID: 357090	Sample Dates: 9/8/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	6.13E+00	9.51E-01	1.19E+00
		Mn-54	<1.86E+00	0.00E+00	1.86E+00
		Co-58	<2.07E+00	0.00E+00	2.07E+00
		Fe-59	<4.34E+00	0.00E+00	4.34E+00
		Co-60	<1.78E+00	0.00E+00	1.78E+00
		Zn-65	<3.93E+00	0.00E+00	3.93E+00
		Zr-95	<4.04E+00	0.00E+00	4.04E+00
		Nb-95	<2.78E+00	0.00E+00	2.78E+00
		I-131	<1.20E+01	0.00E+00	1.20E+01
		Cs-134	<2.20E+00	0.00E+00	2.20E+00
		Cs-137	<1.82E+00	0.00E+00	1.82E+00

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

Media Type: DW / SW Concentration (Activity): pCi/l

Sample Point 40 [ INDICATOR - SSE @ 17.2 miles ]

Sample ID: 357090	Sample Dates: 9/8/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		BaLa-140	<6.18E+00	0.00E+00	6.18E+00
		Be-7	<1.85E+01	0.00E+00	1.85E+01
		K-40	1.62E+02	2.80E+01	2.85E+01
		H3DWSW	<-1.2E+01	0.00E+00	1.91E+02
Sample ID: 358636	Sample Dates: 10/6/2014 - 10/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<6.47E-01	0.00E+00	6.47E-01
Sample ID: 360003	Sample Dates: 10/20/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<6.49E-01	0.00E+00	6.49E-01
Sample ID: 360004	Sample Dates: 10/6/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	3.98E+00	9.32E-01	1.32E+00
		Mn-54	<2.71E+00	0.00E+00	2.71E+00
		Co-58	<3.70E+00	0.00E+00	3.70E+00
		Fe-59	<6.80E+00	0.00E+00	6.80E+00
		Co-60	<3.23E+00	0.00E+00	3.23E+00
		Zn-65	<7.93E+00	0.00E+00	7.93E+00
		Zr-95	<6.33E+00	0.00E+00	6.33E+00
		Nb-95	<4.42E+00	0.00E+00	4.42E+00
		I-131	<1.18E+01	0.00E+00	1.18E+01
		Cs-134	<3.80E+00	0.00E+00	3.80E+00
		Cs-137	<2.62E+00	0.00E+00	2.62E+00
		BaLa-140	<5.81E+00	0.00E+00	5.81E+00
		Be-7	<3.39E+01	0.00E+00	3.39E+01
		K-40	<6.21E+01	0.00E+00	6.21E+01
H3DWSW	<-2.9E+01	0.00E+00	1.88E+02		
Sample ID: 361554	Sample Dates: 11/3/2014 - 11/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<5.84E-01	0.00E+00	5.84E-01
Sample ID: 362756	Sample Dates: 11/17/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<5.07E-01	0.00E+00	5.07E-01
Sample ID: 362757	Sample Dates: 11/3/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	6.60E+00	9.86E-01	1.23E+00
		Mn-54	<1.08E+00	0.00E+00	1.08E+00
		Co-58	<1.32E+00	0.00E+00	1.32E+00
		Fe-59	<2.89E+00	0.00E+00	2.89E+00
		Co-60	<9.90E-01	0.00E+00	9.90E-01
		Zn-65	<2.30E+00	0.00E+00	2.30E+00
		Zr-95	<1.98E+00	0.00E+00	1.98E+00
		Nb-95	<1.64E+00	0.00E+00	1.64E+00
		I-131	<1.18E+01	0.00E+00	1.18E+01
		Cs-134	<1.15E+00	0.00E+00	1.15E+00
		Cs-137	<9.71E-01	0.00E+00	9.71E-01
		BaLa-140	<4.85E+00	0.00E+00	4.85E+00
		Be-7	<1.11E+01	0.00E+00	1.11E+01
		K-40	2.71E+01	1.13E+01	1.64E+01
H3DWSW	<-1.1E+02	0.00E+00	1.84E+02		
Sample ID: 363950	Sample Dates: 12/1/2014 - 12/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<6.46E-01	0.00E+00	6.46E-01
Sample ID: 364763	Sample Dates: 12/15/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<5.42E-01	0.00E+00	5.42E-01
Sample ID: 364764	Sample Dates: 12/1/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	3.52E+00	9.29E-01	1.39E+00
		Mn-54	<1.76E+00	0.00E+00	1.76E+00
		Co-58	<2.06E+00	0.00E+00	2.06E+00
		Fe-59	<4.63E+00	0.00E+00	4.63E+00
		Co-60	<1.61E+00	0.00E+00	1.61E+00
		Zn-65	<3.44E+00	0.00E+00	3.44E+00
		Zr-95	<3.91E+00	0.00E+00	3.91E+00
		Nb-95	<2.59E+00	0.00E+00	2.59E+00
		I-131	<1.04E+01	0.00E+00	1.04E+01
Cs-134	<1.97E+00	0.00E+00	1.97E+00		

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

Media Type: DW / SW Concentration (Activity): pCi/l

Sample Point 40 [ INDICATOR - SSE @ 17.2 miles ]

Sample ID:	364764	Sample Dates:	12/1/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-137	<1.50E+00	0.00E+00	1.50E+00
				BaLa-140	<4.40E+00	0.00E+00	4.40E+00
				Be-7	<1.81E+01	0.00E+00	1.81E+01
				K-40	1.89E+02	3.69E+01	4.70E+01
				H3DWSW	<-1.7E+01	0.00E+00	2.01E+02

Media Type: FISH Concentration (Activity): pCi/kg wet

Sample Point 44 [ INDICATOR - -- @ 0 miles ]

Sample ID:	296093	Sample Dates:	5/22/2014 - 5/22/2014	BOTMFEEDER	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					Mn-54	<1.52E+01	0.00E+00	1.52E+01
					Co-58	<1.76E+01	0.00E+00	1.76E+01
					Fe-59	<3.57E+01	0.00E+00	3.57E+01
					Co-60	<2.61E+01	0.00E+00	2.61E+01
					Zn-65	<3.60E+01	0.00E+00	3.60E+01
					Nb-95	<1.87E+01	0.00E+00	1.87E+01
					I-131	<2.95E+01	0.00E+00	2.95E+01
					Cs-134	<1.84E+01	0.00E+00	1.84E+01
					Cs-137	<1.60E+01	0.00E+00	1.60E+01
					Be-7	<1.31E+02	0.00E+00	1.31E+02
					K-40	2.65E+03	2.10E+02	1.24E+02
					Ag-110M	<1.16E+01	0.00E+00	1.16E+01
					Sb-122	<3.69E+02	0.00E+00	3.69E+02
					Sb-125	<3.41E+01	0.00E+00	3.41E+01

Sample ID:	296094	Sample Dates:	5/22/2014 - 5/22/2014	FREESWIM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					Mn-54	<2.55E+01	0.00E+00	2.55E+01
					Co-58	<1.52E+01	0.00E+00	1.52E+01
					Fe-59	<5.55E+01	0.00E+00	5.55E+01
					Co-60	<2.65E+01	0.00E+00	2.65E+01
					Zn-65	<4.74E+01	0.00E+00	4.74E+01
					Nb-95	<2.43E+01	0.00E+00	2.43E+01
					I-131	<4.31E+01	0.00E+00	4.31E+01
					Cs-134	<1.79E+01	0.00E+00	1.79E+01
					Cs-137	<2.40E+01	0.00E+00	2.40E+01
					Be-7	<1.35E+02	0.00E+00	1.35E+02
					K-40	2.84E+03	2.56E+02	3.12E+02
					Ag-110M	<2.19E+01	0.00E+00	2.19E+01
					Sb-122	<4.33E+02	0.00E+00	4.33E+02
					Sb-125	<5.05E+01	0.00E+00	5.05E+01

Sample ID:	296095	Sample Dates:	5/22/2014 - 5/22/2014	FREESWIM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					Mn-54	<1.24E+01	0.00E+00	1.24E+01
					Co-58	<1.11E+01	0.00E+00	1.11E+01
					Fe-59	<2.32E+01	0.00E+00	2.32E+01
					Co-60	<1.07E+01	0.00E+00	1.07E+01
					Zn-65	<2.69E+01	0.00E+00	2.69E+01
					Nb-95	<1.22E+01	0.00E+00	1.22E+01
					I-131	<2.51E+01	0.00E+00	2.51E+01
					Cs-134	<9.75E+00	0.00E+00	9.75E+00
					Cs-137	<1.03E+01	0.00E+00	1.03E+01
					Be-7	<1.04E+02	0.00E+00	1.04E+02
					K-40	3.44E+03	1.64E+02	9.27E+01
					Ag-110M	<9.46E+00	0.00E+00	9.46E+00
					Sb-122	<2.40E+02	0.00E+00	2.40E+02
					Sb-125	<3.08E+01	0.00E+00	3.08E+01

Sample ID:	363569	Sample Dates:	11/24/2014 - 11/24/2014	FREESWIM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					Mn-54	<8.47E+01	0.00E+00	8.47E+01
					Co-58	<7.96E+01	0.00E+00	7.96E+01
					Fe-59	<1.66E+02	0.00E+00	1.66E+02
					Co-60	<7.68E+01	0.00E+00	7.68E+01
					Zn-65	<4.94E+01	0.00E+00	4.94E+01
					Nb-95	<8.25E+01	0.00E+00	8.25E+01
					I-131	<1.30E+02	0.00E+00	1.30E+02
					Cs-134	<9.40E+01	0.00E+00	9.40E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

Media Type: FISH Concentration (Activity): pCi/kg wet

Sample Point 44 [ INDICATOR - -- @ 0 miles ]

Sample ID:	363569	Sample Dates:	11/24/2014 - 11/24/2014	FREESWIM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					Cs-137	<7.90E+01	0.00E+00	7.90E+01
					Be-7	<5.92E+02	0.00E+00	5.92E+02
					K-40	5.46E+03	1.71E+03	1.32E+03
					Ag-110M	<7.22E+01	0.00E+00	7.22E+01
					Sb-122	<4.94E+02	0.00E+00	4.94E+02
					Sb-125	<1.69E+02	0.00E+00	1.69E+02

Sample ID:	363570	Sample Dates:	11/24/2014 - 11/24/2014	FREESWIM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					Mn-54	<1.92E+01	0.00E+00	1.92E+01
					Co-58	<2.31E+01	0.00E+00	2.31E+01
					Fe-59	<3.94E+01	0.00E+00	3.94E+01
					Co-60	<1.85E+01	0.00E+00	1.85E+01
					Zn-65	<4.87E+01	0.00E+00	4.87E+01
					Nb-95	<2.40E+01	0.00E+00	2.40E+01
					I-131	<2.76E+01	0.00E+00	2.76E+01
					Cs-134	<1.45E+01	0.00E+00	1.45E+01
					Cs-137	<1.08E+01	0.00E+00	1.08E+01
					Be-7	<1.37E+02	0.00E+00	1.37E+02
					K-40	3.60E+03	5.99E+02	2.87E+02
					Ag-110M	<1.58E+01	0.00E+00	1.58E+01
					Sb-122	<1.11E+02	0.00E+00	1.11E+02
					Sb-125	<3.37E+01	0.00E+00	3.37E+01

Sample ID:	363571	Sample Dates:	11/24/2014 - 11/24/2014	BOTMFEEDER	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					Mn-54	<1.50E+01	0.00E+00	1.50E+01
					Co-58	<1.83E+01	0.00E+00	1.83E+01
					Fe-59	<5.70E+01	0.00E+00	5.70E+01
					Co-60	<3.88E+01	0.00E+00	3.88E+01
					Zn-65	<6.19E+01	0.00E+00	6.19E+01
					Nb-95	<1.90E+01	0.00E+00	1.90E+01
					I-131	<3.66E+01	0.00E+00	3.66E+01
					Cs-134	<2.70E+01	0.00E+00	2.70E+01
					Cs-137	<2.90E+01	0.00E+00	2.90E+01
					Be-7	<1.98E+02	0.00E+00	1.98E+02
					K-40	3.51E+03	6.59E+02	3.05E+02
					Ag-110M	<1.98E+01	0.00E+00	1.98E+01
					Sb-122	<2.24E+02	0.00E+00	2.24E+02
					Sb-125	<7.12E+01	0.00E+00	7.12E+01

## Sample Point 45 [ CONTROL - -- @ 0 miles ]

Sample ID:	296086	Sample Dates:	5/20/2014 - 5/20/2014	BOTMFEEDER	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					Mn-54	<2.06E+01	0.00E+00	2.06E+01
					Co-58	<2.75E+01	0.00E+00	2.75E+01
					Fe-59	<5.19E+01	0.00E+00	5.19E+01
					Co-60	<2.67E+01	0.00E+00	2.67E+01
					Zn-65	<4.65E+01	0.00E+00	4.65E+01
					Nb-95	<1.94E+01	0.00E+00	1.94E+01
					I-131	<5.02E+01	0.00E+00	5.02E+01
					Cs-134	<1.50E+01	0.00E+00	1.50E+01
					Cs-137	<2.07E+01	0.00E+00	2.07E+01
					Be-7	<1.62E+02	0.00E+00	1.62E+02
					K-40	3.41E+03	2.61E+02	1.94E+02
					Ag-110M	<1.76E+01	0.00E+00	1.76E+01
					Sb-122	<7.47E+02	0.00E+00	7.47E+02
					Sb-125	<4.59E+01	0.00E+00	4.59E+01

Sample ID:	296088	Sample Dates:	5/21/2014 - 5/21/2014	FREESWIM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					Mn-54	<2.04E+01	0.00E+00	2.04E+01
					Co-58	<3.11E+01	0.00E+00	3.11E+01
					Fe-59	<5.34E+01	0.00E+00	5.34E+01
					Co-60	<3.43E+01	0.00E+00	3.43E+01
					Zn-65	<5.99E+01	0.00E+00	5.99E+01
					Nb-95	<3.53E+01	0.00E+00	3.53E+01
					I-131	<7.86E+01	0.00E+00	7.86E+01
					Cs-134	<2.11E+01	0.00E+00	2.11E+01
					Cs-137	<2.69E+01	0.00E+00	2.69E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

Media Type: FISH Concentration (Activity): pCi/kg wet

Sample Point 45 [ CONTROL - -- @ 0 miles ]

Sample ID: 296088	Sample Dates: 5/21/2014 - 5/21/2014	FREESWIM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Be-7	<2.18E+02	0.00E+00	2.18E+02
			K-40	3.57E+03	2.95E+02	2.81E+02
			Ag-110M	<2.51E+01	0.00E+00	2.51E+01
			Sb-122	<1.30E+03	0.00E+00	1.30E+03
			Sb-125	<6.17E+01	0.00E+00	6.17E+01
Sample ID: 296089	Sample Dates: 5/21/2014 - 5/21/2014	FREESWIM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<7.23E+00	0.00E+00	7.23E+00
			Co-58	<8.60E+00	0.00E+00	8.60E+00
			Fe-59	<1.94E+01	0.00E+00	1.94E+01
			Co-60	<9.96E+00	0.00E+00	9.96E+00
			Zn-65	<2.05E+01	0.00E+00	2.05E+01
			Nb-95	<1.03E+01	0.00E+00	1.03E+01
			I-131	<2.40E+01	0.00E+00	2.40E+01
			Cs-134	<8.60E+00	0.00E+00	8.60E+00
			Cs-137	<1.01E+01	0.00E+00	1.01E+01
			Be-7	<6.80E+01	0.00E+00	6.80E+01
			K-40	3.27E+03	1.49E+02	7.90E+01
			Ag-110M	<6.66E+00	0.00E+00	6.66E+00
			Sb-122	<2.74E+02	0.00E+00	2.74E+02
			Sb-125	<1.97E+01	0.00E+00	1.97E+01
Sample ID: 363573	Sample Dates: 11/24/2014 - 11/24/2014	FREESWIM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<2.10E+01	0.00E+00	2.10E+01
			Co-58	<1.24E+01	0.00E+00	1.24E+01
			Fe-59	<3.71E+01	0.00E+00	3.71E+01
			Co-60	<2.47E+01	0.00E+00	2.47E+01
			Zn-65	<5.34E+01	0.00E+00	5.34E+01
			Nb-95	<2.46E+01	0.00E+00	2.46E+01
			I-131	<2.85E+01	0.00E+00	2.85E+01
			Cs-134	<2.51E+01	0.00E+00	2.51E+01
			Cs-137	<1.64E+01	0.00E+00	1.64E+01
			Be-7	<1.42E+02	0.00E+00	1.42E+02
			K-40	2.50E+03	5.58E+02	3.79E+02
			Ag-110M	<1.82E+01	0.00E+00	1.82E+01
			Sb-122	<2.06E+02	0.00E+00	2.06E+02
			Sb-125	<4.98E+01	0.00E+00	4.98E+01
Sample ID: 363574	Sample Dates: 11/24/2014 - 11/24/2014	FREESWIM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<2.32E+01	0.00E+00	2.32E+01
			Co-58	<1.86E+01	0.00E+00	1.86E+01
			Fe-59	<6.08E+01	0.00E+00	6.08E+01
			Co-60	<2.77E+01	0.00E+00	2.77E+01
			Zn-65	<5.41E+01	0.00E+00	5.41E+01
			Nb-95	<3.00E+01	0.00E+00	3.00E+01
			I-131	<4.50E+01	0.00E+00	4.50E+01
			Cs-134	<2.75E+01	0.00E+00	2.75E+01
			Cs-137	<2.98E+01	0.00E+00	2.98E+01
			Be-7	<2.21E+02	0.00E+00	2.21E+02
			K-40	3.80E+03	7.12E+02	4.64E+02
			Ag-110M	<2.50E+01	0.00E+00	2.50E+01
			Sb-122	<3.09E+02	0.00E+00	3.09E+02
			Sb-125	<6.23E+01	0.00E+00	6.23E+01
Sample ID: 363575	Sample Dates: 11/24/2014 - 11/24/2014	BOTMFEEDER	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<5.70E+01	0.00E+00	5.70E+01
			Co-58	<6.69E+01	0.00E+00	6.69E+01
			Fe-59	<1.54E+02	0.00E+00	1.54E+02
			Co-60	<4.35E+01	0.00E+00	4.35E+01
			Zn-65	<1.82E+02	0.00E+00	1.82E+02
			Nb-95	<5.37E+01	0.00E+00	5.37E+01
			I-131	<8.42E+01	0.00E+00	8.42E+01
			Cs-134	<5.46E+01	0.00E+00	5.46E+01
			Cs-137	<5.20E+01	0.00E+00	5.20E+01
			Be-7	<4.45E+02	0.00E+00	4.45E+02
			K-40	2.09E+04	2.63E+03	7.90E+02
			Ag-110M	<5.14E+01	0.00E+00	5.14E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

Media Type: FISH Concentration (Activity): pCi/kg wet

Sample Point 45 [ CONTROL - -- @ 0 miles ]

Sample ID:	363575	Sample Dates:	11/24/2014 - 11/24/2014	BOTMFEEDER	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					Sb-122	<5.62E+02	0.00E+00	5.62E+02
					Sb-125	<1.07E+02	0.00E+00	1.07E+02

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

Sample Point 57 [ INDICATOR - SSW @ 0.4 miles ]

Sample ID:	281583	Sample Dates:	2/18/2014 - 2/18/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<6.75E+00	0.00E+00	6.75E+00
				Co-58	<7.48E+00	0.00E+00	7.48E+00
				Fe-59	<1.58E+01	0.00E+00	1.58E+01
				Co-60	<9.92E+00	0.00E+00	9.92E+00
				Zn-65	<2.09E+01	0.00E+00	2.09E+01
				Zr-95	<1.25E+01	0.00E+00	1.25E+01
				Nb-95	<9.29E+00	0.00E+00	9.29E+00
				I-131	<1.08E+01	0.00E+00	1.08E+01
				Cs-134	<7.72E+00	0.00E+00	7.72E+00
				Cs-137	<8.84E+00	0.00E+00	8.84E+00
				BaLa-140	<1.20E+01	0.00E+00	1.20E+01
				Be-7	<5.80E+01	0.00E+00	5.80E+01
				K-40	<1.46E+02	0.00E+00	1.46E+02
				H3GW	<-1.1E+02	0.00E+00	1.97E+02

Sample ID:	292712	Sample Dates:	5/28/2014 - 5/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<1.01E+01	0.00E+00	1.01E+01
				Co-58	<7.50E+00	0.00E+00	7.50E+00
				Fe-59	<5.95E+00	0.00E+00	5.95E+00
				Co-60	<7.20E+00	0.00E+00	7.20E+00
				Zn-65	<2.13E+01	0.00E+00	2.13E+01
				Zr-95	<1.24E+01	0.00E+00	1.24E+01
				Nb-95	<9.87E+00	0.00E+00	9.87E+00
				I-131	<1.18E+01	0.00E+00	1.18E+01
				Cs-134	<1.02E+01	0.00E+00	1.02E+01
				Cs-137	<9.66E+00	0.00E+00	9.66E+00
				BaLa-140	<1.27E+01	0.00E+00	1.27E+01
				Be-7	<7.38E+01	0.00E+00	7.38E+01
				K-40	<1.65E+02	0.00E+00	1.65E+02
				H3GW	<3.12E+01	0.00E+00	1.93E+02

Sample ID:	350749	Sample Dates:	8/26/2014 - 8/26/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<6.01E+00	0.00E+00	6.01E+00
				Co-58	<6.26E+00	0.00E+00	6.26E+00
				Fe-59	<1.17E+01	0.00E+00	1.17E+01
				Co-60	<5.33E+00	0.00E+00	5.33E+00
				Zn-65	<1.25E+01	0.00E+00	1.25E+01
				Zr-95	<1.13E+01	0.00E+00	1.13E+01
				Nb-95	<6.64E+00	0.00E+00	6.64E+00
				I-131	<9.66E+00	0.00E+00	9.66E+00
				Cs-134	<6.38E+00	0.00E+00	6.38E+00
				Cs-137	<5.09E+00	0.00E+00	5.09E+00
				BaLa-140	<7.03E+00	0.00E+00	7.03E+00
				Be-7	<4.07E+01	0.00E+00	4.07E+01
				K-40	3.03E+02	8.54E+01	1.04E+02
				H3GW	<7.13E+01	0.00E+00	1.84E+02

Sample ID:	359136	Sample Dates:	11/6/2014 - 11/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<7.95E+00	0.00E+00	7.95E+00
				Co-58	<6.56E+00	0.00E+00	6.56E+00
				Fe-59	<1.50E+01	0.00E+00	1.50E+01
				Co-60	<8.21E+00	0.00E+00	8.21E+00
				Zn-65	<1.29E+01	0.00E+00	1.29E+01
				Zr-95	<1.20E+01	0.00E+00	1.20E+01
				Nb-95	<8.01E+00	0.00E+00	8.01E+00
				I-131	<9.14E+00	0.00E+00	9.14E+00
				Cs-134	<7.80E+00	0.00E+00	7.80E+00
				Cs-137	<7.74E+00	0.00E+00	7.74E+00
				BaLa-140	<9.44E+00	0.00E+00	9.44E+00

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 57 [ INDICATOR - SSW @ 0.4 miles ]

Sample ID:	359136	Sample Dates:	11/6/2014 - 11/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<4.76E+01	0.00E+00	4.76E+01
				K-40	<1.04E+02	0.00E+00	1.04E+02
				H3GW	<-1.6E+01	0.00E+00	1.84E+02

Sample Point 59 [ INDICATOR - NNE @ 0.5 miles ]

Sample ID:	281584	Sample Dates:	2/17/2014 - 2/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<7.50E+00	0.00E+00	7.50E+00
				Co-58	<7.32E+00	0.00E+00	7.32E+00
				Fe-59	<1.83E+01	0.00E+00	1.83E+01
				Co-60	<4.22E+00	0.00E+00	4.22E+00
				Zn-65	<1.83E+01	0.00E+00	1.83E+01
				Zr-95	<1.33E+01	0.00E+00	1.33E+01
				Nb-95	<7.04E+00	0.00E+00	7.04E+00
				I-131	<1.30E+01	0.00E+00	1.30E+01
				Cs-134	<7.14E+00	0.00E+00	7.14E+00
				Cs-137	<7.67E+00	0.00E+00	7.67E+00
				BaLa-140	<1.38E+01	0.00E+00	1.38E+01
				Be-7	<6.92E+01	0.00E+00	6.92E+01
				K-40	3.45E+02	4.84E+01	9.91E+01
				H3GW	<7.26E+00	0.00E+00	1.99E+02

Sample ID:	292713	Sample Dates:	5/27/2014 - 5/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<6.14E+00	0.00E+00	6.14E+00
				Co-58	<5.76E+00	0.00E+00	5.76E+00
				Fe-59	<1.26E+01	0.00E+00	1.26E+01
				Co-60	<5.66E+00	0.00E+00	5.66E+00
				Zn-65	<1.24E+01	0.00E+00	1.24E+01
				Zr-95	<1.01E+01	0.00E+00	1.01E+01
				Nb-95	<7.20E+00	0.00E+00	7.20E+00
				I-131	<1.33E+01	0.00E+00	1.33E+01
				Cs-134	<5.85E+00	0.00E+00	5.85E+00
				Cs-137	<6.22E+00	0.00E+00	6.22E+00
				BaLa-140	<8.08E+00	0.00E+00	8.08E+00
				Be-7	<5.66E+01	0.00E+00	5.66E+01
				K-40	6.35E+02	4.12E+01	5.01E+01
				H3GW	<-4.9E+01	0.00E+00	1.96E+02

Sample ID:	350750	Sample Dates:	8/25/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<5.54E+00	0.00E+00	5.54E+00
				Co-58	<5.12E+00	0.00E+00	5.12E+00
				Fe-59	<8.69E+00	0.00E+00	8.69E+00
				Co-60	<4.53E+00	0.00E+00	4.53E+00
				Zn-65	<1.11E+01	0.00E+00	1.11E+01
				Zr-95	<9.60E+00	0.00E+00	9.60E+00
				Nb-95	<7.15E+00	0.00E+00	7.15E+00
				I-131	<6.02E+00	0.00E+00	6.02E+00
				Cs-134	<6.66E+00	0.00E+00	6.66E+00
				Cs-137	<5.79E+00	0.00E+00	5.79E+00
				BaLa-140	<6.04E+00	0.00E+00	6.04E+00
				Be-7	<4.03E+01	0.00E+00	4.03E+01
				K-40	1.28E+02	6.20E+01	7.69E+01
				H3GW	<-1.2E+01	0.00E+00	1.84E+02

Sample ID:	359137	Sample Dates:	11/5/2014 - 11/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<4.10E+00	0.00E+00	4.10E+00
				Co-58	<5.17E+00	0.00E+00	5.17E+00
				Fe-59	<1.08E+01	0.00E+00	1.08E+01
				Co-60	<5.39E+00	0.00E+00	5.39E+00
				Zn-65	<1.09E+01	0.00E+00	1.09E+01
				Zr-95	<1.07E+01	0.00E+00	1.07E+01
				Nb-95	<5.80E+00	0.00E+00	5.80E+00
				I-131	<8.49E+00	0.00E+00	8.49E+00
				Cs-134	<4.89E+00	0.00E+00	4.89E+00
				Cs-137	<4.72E+00	0.00E+00	4.72E+00
				BaLa-140	<5.97E+00	0.00E+00	5.97E+00
				Be-7	<3.37E+01	0.00E+00	3.37E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.





## HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 59 [ INDICATOR - NNE @ 0.5 miles ]

Sample ID:	359137	Sample Dates:	11/5/2014 - 11/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				K-40	<9.46E+01	0.00E+00	9.46E+01
				H3GW	<-7.4E+01	0.00E+00	1.84E+02

Sample Point 60 [ INDICATOR - ESE @ 0.5 miles ]

Sample ID:	281585	Sample Dates:	2/18/2014 - 2/18/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<6.12E+00	0.00E+00	6.12E+00
				Co-58	<5.63E+00	0.00E+00	5.63E+00
				Fe-59	<1.28E+01	0.00E+00	1.28E+01
				Co-60	<7.52E+00	0.00E+00	7.52E+00
				Zn-65	<1.42E+01	0.00E+00	1.42E+01
				Zr-95	<9.42E+00	0.00E+00	9.42E+00
				Nb-95	<6.54E+00	0.00E+00	6.54E+00
				I-131	<1.03E+01	0.00E+00	1.03E+01
				Cs-134	<5.86E+00	0.00E+00	5.86E+00
				Cs-137	<6.62E+00	0.00E+00	6.62E+00
				BaLa-140	<8.72E+00	0.00E+00	8.72E+00
				Be-7	<5.55E+01	0.00E+00	5.55E+01
				K-40	3.40E+02	5.02E+01	5.48E+01
				H3GW	<-9.9E+01	0.00E+00	1.98E+02

Sample ID:	292714	Sample Dates:	5/28/2014 - 5/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<7.30E+00	0.00E+00	7.30E+00
				Co-58	<6.55E+00	0.00E+00	6.55E+00
				Fe-59	<1.65E+01	0.00E+00	1.65E+01
				Co-60	<7.79E+00	0.00E+00	7.79E+00
				Zn-65	<1.66E+01	0.00E+00	1.66E+01
				Zr-95	<1.42E+01	0.00E+00	1.42E+01
				Nb-95	<8.51E+00	0.00E+00	8.51E+00
				I-131	<1.31E+01	0.00E+00	1.31E+01
				Cs-134	<6.15E+00	0.00E+00	6.15E+00
				Cs-137	<7.50E+00	0.00E+00	7.50E+00
				BaLa-140	<9.70E+00	0.00E+00	9.70E+00
				Be-7	<7.11E+01	0.00E+00	7.11E+01
				K-40	3.48E+02	4.77E+01	7.20E+01
				H3GW	<-4.3E+01	0.00E+00	1.94E+02

Sample ID:	350751	Sample Dates:	8/26/2014 - 8/26/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<6.75E+00	0.00E+00	6.75E+00
				Co-58	<6.54E+00	0.00E+00	6.54E+00
				Fe-59	<8.58E+00	0.00E+00	8.58E+00
				Co-60	<6.32E+00	0.00E+00	6.32E+00
				Zn-65	<1.17E+01	0.00E+00	1.17E+01
				Zr-95	<1.13E+01	0.00E+00	1.13E+01
				Nb-95	<5.99E+00	0.00E+00	5.99E+00
				I-131	<6.08E+00	0.00E+00	6.08E+00
				Cs-134	<6.85E+00	0.00E+00	6.85E+00
				Cs-137	<6.30E+00	0.00E+00	6.30E+00
				BaLa-140	<8.05E+00	0.00E+00	8.05E+00
				Be-7	<4.49E+01	0.00E+00	4.49E+01
				K-40	6.47E+01	7.32E+01	1.19E+02
				H3GW	<1.89E+01	0.00E+00	1.82E+02

Sample ID:	359138	Sample Dates:	11/6/2014 - 11/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<6.07E+00	0.00E+00	6.07E+00
				Co-58	<5.79E+00	0.00E+00	5.79E+00
				Fe-59	<1.20E+01	0.00E+00	1.20E+01
				Co-60	<6.12E+00	0.00E+00	6.12E+00
				Zn-65	<1.17E+01	0.00E+00	1.17E+01
				Zr-95	<1.03E+01	0.00E+00	1.03E+01
				Nb-95	<5.88E+00	0.00E+00	5.88E+00
				I-131	<7.43E+00	0.00E+00	7.43E+00
				Cs-134	<7.08E+00	0.00E+00	7.08E+00
				Cs-137	<5.10E+00	0.00E+00	5.10E+00
				BaLa-140	<9.59E+00	0.00E+00	9.59E+00
				Be-7	<4.39E+01	0.00E+00	4.39E+01
				K-40	3.14E+02	7.92E+01	8.37E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 60 [ INDICATOR - ESE @ 0.5 miles ]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
359138	11/6/2014 - 11/6/2014	H3GW	<-4.4E+01	0.00E+00	1.83E+02

Sample Point 68 [ INDICATOR - W @ 0.2 miles ]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
281586	2/18/2014 - 2/18/2014	Mn-54	<6.09E+00	0.00E+00	6.09E+00
		Co-58	<6.72E+00	0.00E+00	6.72E+00
		Fe-59	<1.17E+01	0.00E+00	1.17E+01
		Co-60	<7.60E+00	0.00E+00	7.60E+00
		Zn-65	<1.37E+01	0.00E+00	1.37E+01
		Zr-95	<1.15E+01	0.00E+00	1.15E+01
		Nb-95	<6.67E+00	0.00E+00	6.67E+00
		I-131	<1.04E+01	0.00E+00	1.04E+01
		Cs-134	<5.29E+00	0.00E+00	5.29E+00
		Cs-137	<6.79E+00	0.00E+00	6.79E+00
		BaLa-140	<8.97E+00	0.00E+00	8.97E+00
		Be-7	<5.33E+01	0.00E+00	5.33E+01
		K-40	1.34E+02	2.34E+01	6.47E+01
		H3GW	<-2.7E+01	0.00E+00	1.98E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
292715	5/27/2014 - 5/27/2014	Mn-54	<7.97E+00	0.00E+00	7.97E+00
		Co-58	<7.17E+00	0.00E+00	7.17E+00
		Fe-59	<1.75E+01	0.00E+00	1.75E+01
		Co-60	<9.96E+00	0.00E+00	9.96E+00
		Zn-65	<1.41E+01	0.00E+00	1.41E+01
		Zr-95	<1.30E+01	0.00E+00	1.30E+01
		Nb-95	<7.07E+00	0.00E+00	7.07E+00
		I-131	<9.54E+00	0.00E+00	9.54E+00
		Cs-134	<5.06E+00	0.00E+00	5.06E+00
		Cs-137	<7.87E+00	0.00E+00	7.87E+00
		BaLa-140	<1.44E+01	0.00E+00	1.44E+01
		Be-7	<5.26E+01	0.00E+00	5.26E+01
		K-40	1.02E+02	3.32E+01	8.08E+01
		H3GW	<-7.5E+01	0.00E+00	1.95E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
350752	8/25/2014 - 8/25/2014	Mn-54	<5.63E+00	0.00E+00	5.63E+00
		Co-58	<5.70E+00	0.00E+00	5.70E+00
		Fe-59	<1.23E+01	0.00E+00	1.23E+01
		Co-60	<4.54E+00	0.00E+00	4.54E+00
		Zn-65	<1.25E+01	0.00E+00	1.25E+01
		Zr-95	<1.04E+01	0.00E+00	1.04E+01
		Nb-95	<5.72E+00	0.00E+00	5.72E+00
		I-131	<8.78E+00	0.00E+00	8.78E+00
		Cs-134	<5.80E+00	0.00E+00	5.80E+00
		Cs-137	<5.02E+00	0.00E+00	5.02E+00
		BaLa-140	<9.85E+00	0.00E+00	9.85E+00
		Be-7	<4.64E+01	0.00E+00	4.64E+01
		K-40	6.11E+01	4.77E+01	6.88E+01
		H3GW	<1.29E+02	0.00E+00	1.84E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
359139	11/5/2014 - 11/5/2014	Mn-54	<7.00E+00	0.00E+00	7.00E+00
		Co-58	<8.07E+00	0.00E+00	8.07E+00
		Fe-59	<1.44E+01	0.00E+00	1.44E+01
		Co-60	<6.54E+00	0.00E+00	6.54E+00
		Zn-65	<1.59E+01	0.00E+00	1.59E+01
		Zr-95	<1.09E+01	0.00E+00	1.09E+01
		Nb-95	<6.45E+00	0.00E+00	6.45E+00
		I-131	<8.96E+00	0.00E+00	8.96E+00
		Cs-134	<7.83E+00	0.00E+00	7.83E+00
		Cs-137	<6.60E+00	0.00E+00	6.60E+00
		BaLa-140	<1.19E+01	0.00E+00	1.19E+01
		Be-7	<5.41E+01	0.00E+00	5.41E+01
		K-40	3.16E+02	9.66E+01	1.04E+02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 68 [ INDICATOR - W @ 0.2 miles ]

Sample ID:	359139	Sample Dates:	11/5/2014 - 11/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				H3GW	<-2.1E+01	0.00E+00	1.83E+02

Sample Point 69 [ INDICATOR - NNE @ 0.2 miles ]

Sample ID:	281587	Sample Dates:	2/18/2014 - 2/18/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<6.81E+00	0.00E+00	6.81E+00
				Co-58	<6.52E+00	0.00E+00	6.52E+00
				Fe-59	<1.40E+01	0.00E+00	1.40E+01
				Co-60	<7.50E+00	0.00E+00	7.50E+00
				Zn-65	<1.39E+01	0.00E+00	1.39E+01
				Zr-95	<1.22E+01	0.00E+00	1.22E+01
				Nb-95	<7.05E+00	0.00E+00	7.05E+00
				I-131	<1.18E+01	0.00E+00	1.18E+01
				Cs-134	<6.26E+00	0.00E+00	6.26E+00
				Cs-137	<6.47E+00	0.00E+00	6.47E+00
				BaLa-140	<1.08E+01	0.00E+00	1.08E+01
				Be-7	<5.56E+01	0.00E+00	5.56E+01
				K-40	2.60E+02	4.00E+01	6.58E+01
				H3GW	<-1.3E+02	0.00E+00	1.98E+02

Sample ID:	292716	Sample Dates:	5/27/2014 - 5/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<6.48E+00	0.00E+00	6.48E+00
				Co-58	<6.31E+00	0.00E+00	6.31E+00
				Fe-59	<1.39E+01	0.00E+00	1.39E+01
				Co-60	<6.58E+00	0.00E+00	6.58E+00
				Zn-65	<1.40E+01	0.00E+00	1.40E+01
				Zr-95	<1.19E+01	0.00E+00	1.19E+01
				Nb-95	<7.00E+00	0.00E+00	7.00E+00
				I-131	<1.25E+01	0.00E+00	1.25E+01
				Cs-134	<5.53E+00	0.00E+00	5.53E+00
				Cs-137	<7.17E+00	0.00E+00	7.17E+00
				BaLa-140	<1.20E+01	0.00E+00	1.20E+01
				Be-7	<5.98E+01	0.00E+00	5.98E+01
				K-40	2.53E+02	5.08E+01	7.42E+01
				H3GW	<-9.7E+01	0.00E+00	1.96E+02

Sample ID:	350753	Sample Dates:	8/25/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<4.91E+00	0.00E+00	4.91E+00
				Co-58	<6.31E+00	0.00E+00	6.31E+00
				Fe-59	<8.96E+00	0.00E+00	8.96E+00
				Co-60	<5.69E+00	0.00E+00	5.69E+00
				Zn-65	<1.42E+01	0.00E+00	1.42E+01
				Zr-95	<1.17E+01	0.00E+00	1.17E+01
				Nb-95	<6.29E+00	0.00E+00	6.29E+00
				I-131	<6.81E+00	0.00E+00	6.81E+00
				Cs-134	<6.75E+00	0.00E+00	6.75E+00
				Cs-137	<6.03E+00	0.00E+00	6.03E+00
				BaLa-140	<5.79E+00	0.00E+00	5.79E+00
				Be-7	<4.44E+01	0.00E+00	4.44E+01
				K-40	7.46E+01	6.11E+01	9.33E+01
				H3GW	<-5.0E+01	0.00E+00	1.82E+02

Sample ID:	359140	Sample Dates:	11/5/2014 - 11/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<4.94E+00	0.00E+00	4.94E+00
				Co-58	<5.70E+00	0.00E+00	5.70E+00
				Fe-59	<1.16E+01	0.00E+00	1.16E+01
				Co-60	<7.03E+00	0.00E+00	7.03E+00
				Zn-65	<8.94E+00	0.00E+00	8.94E+00
				Zr-95	<1.06E+01	0.00E+00	1.06E+01
				Nb-95	<6.47E+00	0.00E+00	6.47E+00
				I-131	<7.11E+00	0.00E+00	7.11E+00
				Cs-134	<5.27E+00	0.00E+00	5.27E+00
				Cs-137	<5.42E+00	0.00E+00	5.42E+00
				BaLa-140	<8.69E+00	0.00E+00	8.69E+00
				Be-7	<4.72E+01	0.00E+00	4.72E+01
				K-40	7.95E+01	5.24E+01	7.23E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 69 [ INDICATOR - NNE @ 0.2 miles ]

Sample ID:	359140	Sample Dates:	11/5/2014 - 11/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				H3GW	<-5.6E+01	0.00E+00	1.83E+02

Sample Point 70 [ INDICATOR - E @ 0.4 miles ]

Sample ID:	281588	Sample Dates:	2/17/2014 - 2/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<6.27E+00	0.00E+00	6.27E+00
				Co-58	<6.94E+00	0.00E+00	6.94E+00
				Fe-59	<1.46E+01	0.00E+00	1.46E+01
				Co-60	<8.72E+00	0.00E+00	8.72E+00
				Zn-65	<1.28E+01	0.00E+00	1.28E+01
				Zr-95	<1.28E+01	0.00E+00	1.28E+01
				Nb-95	<7.39E+00	0.00E+00	7.39E+00
				I-131	<1.19E+01	0.00E+00	1.19E+01
				Cs-134	<5.77E+00	0.00E+00	5.77E+00
				Cs-137	<6.56E+00	0.00E+00	6.56E+00
				BaLa-140	<1.09E+01	0.00E+00	1.09E+01
				Be-7	<4.38E+01	0.00E+00	4.38E+01
				K-40	1.01E+02	3.86E+01	6.37E+01
				H3GW	<-7.5E+01	0.00E+00	1.99E+02

Sample ID:	292717	Sample Dates:	5/27/2014 - 5/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<5.02E+00	0.00E+00	5.02E+00
				Co-58	<5.37E+00	0.00E+00	5.37E+00
				Fe-59	<8.91E+00	0.00E+00	8.91E+00
				Co-60	<5.76E+00	0.00E+00	5.76E+00
				Zn-65	<9.25E+00	0.00E+00	9.25E+00
				Zr-95	<9.25E+00	0.00E+00	9.25E+00
				Nb-95	<6.06E+00	0.00E+00	6.06E+00
				I-131	<1.14E+01	0.00E+00	1.14E+01
				Cs-134	<4.78E+00	0.00E+00	4.78E+00
				Cs-137	<5.20E+00	0.00E+00	5.20E+00
				BaLa-140	<9.83E+00	0.00E+00	9.83E+00
				Be-7	<4.50E+01	0.00E+00	4.50E+01
				K-40	3.18E+02	3.44E+01	4.22E+01
				H3GW	<7.71E+01	0.00E+00	1.94E+02

Sample ID:	350754	Sample Dates:	8/25/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<5.20E+00	0.00E+00	5.20E+00
				Co-58	<5.46E+00	0.00E+00	5.46E+00
				Fe-59	<5.42E+00	0.00E+00	5.42E+00
				Co-60	<6.70E+00	0.00E+00	6.70E+00
				Zn-65	<1.19E+01	0.00E+00	1.19E+01
				Zr-95	<8.24E+00	0.00E+00	8.24E+00
				Nb-95	<6.76E+00	0.00E+00	6.76E+00
				I-131	<1.07E+01	0.00E+00	1.07E+01
				Cs-134	<5.55E+00	0.00E+00	5.55E+00
				Cs-137	<5.79E+00	0.00E+00	5.79E+00
				BaLa-140	<8.69E+00	0.00E+00	8.69E+00
				Be-7	<4.39E+01	0.00E+00	4.39E+01
				K-40	7.00E+01	3.65E+01	3.91E+01
				H3GW	<7.10E+01	0.00E+00	1.83E+02

Sample ID:	359141	Sample Dates:	11/5/2014 - 11/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<6.00E+00	0.00E+00	6.00E+00
				Co-58	<4.94E+00	0.00E+00	4.94E+00
				Fe-59	<1.32E+01	0.00E+00	1.32E+01
				Co-60	<6.34E+00	0.00E+00	6.34E+00
				Zn-65	<1.19E+01	0.00E+00	1.19E+01
				Zr-95	<9.87E+00	0.00E+00	9.87E+00
				Nb-95	<6.27E+00	0.00E+00	6.27E+00
				I-131	<1.01E+01	0.00E+00	1.01E+01
				Cs-134	<6.48E+00	0.00E+00	6.48E+00
				Cs-137	<7.06E+00	0.00E+00	7.06E+00
				BaLa-140	<1.17E+01	0.00E+00	1.17E+01
				Be-7	<3.70E+01	0.00E+00	3.70E+01
				K-40	5.88E+01	4.67E+01	6.76E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 70 [ INDICATOR - E @ 0.4 miles ]

Sample ID:	359141	Sample Dates:	11/5/2014 - 11/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				H3GW	<-5.1E+01	0.00E+00	1.84E+02

Sample Point 71 [ INDICATOR - SE @ 0.3 miles ]

Sample ID:	281589	Sample Dates:	2/17/2014 - 2/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<5.62E+00	0.00E+00	5.62E+00
				Co-58	<6.82E+00	0.00E+00	6.82E+00
				Fe-59	<1.46E+01	0.00E+00	1.46E+01
				Co-60	<8.49E+00	0.00E+00	8.49E+00
				Zn-65	<1.18E+01	0.00E+00	1.18E+01
				Zr-95	<1.04E+01	0.00E+00	1.04E+01
				Nb-95	<6.37E+00	0.00E+00	6.37E+00
				I-131	<8.95E+00	0.00E+00	8.95E+00
				Cs-134	<6.16E+00	0.00E+00	6.16E+00
				Cs-137	<6.62E+00	0.00E+00	6.62E+00
				BaLa-140	<1.08E+01	0.00E+00	1.08E+01
				Be-7	<4.83E+01	0.00E+00	4.83E+01
				K-40	1.15E+02	2.55E+01	5.50E+01
				H3GW	<-4.4E+01	0.00E+00	1.99E+02

Sample ID:	292718	Sample Dates:	5/27/2014 - 5/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<5.34E+00	0.00E+00	5.34E+00
				Co-58	<4.52E+00	0.00E+00	4.52E+00
				Fe-59	<9.25E+00	0.00E+00	9.25E+00
				Co-60	<5.34E+00	0.00E+00	5.34E+00
				Zn-65	<1.01E+01	0.00E+00	1.01E+01
				Zr-95	<7.53E+00	0.00E+00	7.53E+00
				Nb-95	<5.34E+00	0.00E+00	5.34E+00
				I-131	<8.89E+00	0.00E+00	8.89E+00
				Cs-134	<4.22E+00	0.00E+00	4.22E+00
				Cs-137	<5.24E+00	0.00E+00	5.24E+00
				BaLa-140	<8.98E+00	0.00E+00	8.98E+00
				Be-7	<3.80E+01	0.00E+00	3.80E+01
				K-40	1.47E+02	3.69E+01	4.81E+01
				H3GW	<-5.6E+01	0.00E+00	1.95E+02

Sample ID:	354593	Sample Dates:	8/26/2014 - 8/26/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<5.65E+00	0.00E+00	5.65E+00
				Co-58	<5.23E+00	0.00E+00	5.23E+00
				Fe-59	<1.20E+01	0.00E+00	1.20E+01
				Co-60	<5.30E+00	0.00E+00	5.30E+00
				Zn-65	<1.06E+01	0.00E+00	1.06E+01
				Zr-95	<1.12E+01	0.00E+00	1.12E+01
				Nb-95	<6.71E+00	0.00E+00	6.71E+00
				I-131	<1.08E+01	0.00E+00	1.08E+01
				Cs-134	<5.30E+00	0.00E+00	5.30E+00
				Cs-137	<6.41E+00	0.00E+00	6.41E+00
				BaLa-140	<9.50E+00	0.00E+00	9.50E+00
				Be-7	<4.65E+01	0.00E+00	4.65E+01
				K-40	3.56E+02	8.42E+01	8.46E+01
				H3GW	<4.71E+01	0.00E+00	1.82E+02

Sample ID:	359142	Sample Dates:	11/5/2014 - 11/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<5.02E+00	0.00E+00	5.02E+00
				Co-58	<5.09E+00	0.00E+00	5.09E+00
				Fe-59	<1.29E+01	0.00E+00	1.29E+01
				Co-60	<5.40E+00	0.00E+00	5.40E+00
				Zn-65	<9.12E+00	0.00E+00	9.12E+00
				Zr-95	<7.71E+00	0.00E+00	7.71E+00
				Nb-95	<5.42E+00	0.00E+00	5.42E+00
				I-131	<8.12E+00	0.00E+00	8.12E+00
				Cs-134	<4.06E+00	0.00E+00	4.06E+00
				Cs-137	<4.86E+00	0.00E+00	4.86E+00
				BaLa-140	<1.14E+01	0.00E+00	1.14E+01
				Be-7	<3.83E+01	0.00E+00	3.83E+01
				K-40	3.24E+01	2.47E+01	3.81E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 71 [ INDICATOR - SE @ 0.3 miles ]

Sample ID:	359142	Sample Dates:	11/5/2014 - 11/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				H3GW	<-6.9E+01	0.00E+00	1.83E+02

Sample Point 72 [ INDICATOR - SE @ 0.2 miles ]

Sample ID:	281590	Sample Dates:	2/17/2014 - 2/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<8.28E+00	0.00E+00	8.28E+00
				Co-58	<6.62E+00	0.00E+00	6.62E+00
				Fe-59	<1.77E+01	0.00E+00	1.77E+01
				Co-60	<6.88E+00	0.00E+00	6.88E+00
				Zn-65	<2.10E+01	0.00E+00	2.10E+01
				Zr-95	<1.37E+01	0.00E+00	1.37E+01
				Nb-95	<1.20E+01	0.00E+00	1.20E+01
				I-131	<1.38E+01	0.00E+00	1.38E+01
				Cs-134	<7.49E+00	0.00E+00	7.49E+00
				Cs-137	<7.09E+00	0.00E+00	7.09E+00
				BaLa-140	<1.26E+01	0.00E+00	1.26E+01
				Be-7	<7.27E+01	0.00E+00	7.27E+01
				K-40	3.63E+02	5.19E+01	8.12E+01
				H3GW	<-2.4E+01	0.00E+00	1.98E+02

Sample ID:	292719	Sample Dates:	5/28/2014 - 5/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<8.72E+00	0.00E+00	8.72E+00
				Co-58	<8.05E+00	0.00E+00	8.05E+00
				Fe-59	<1.59E+01	0.00E+00	1.59E+01
				Co-60	<9.70E+00	0.00E+00	9.70E+00
				Zn-65	<1.73E+01	0.00E+00	1.73E+01
				Zr-95	<1.36E+01	0.00E+00	1.36E+01
				Nb-95	<1.06E+01	0.00E+00	1.06E+01
				I-131	<1.34E+01	0.00E+00	1.34E+01
				Cs-134	<6.96E+00	0.00E+00	6.96E+00
				Cs-137	<9.13E+00	0.00E+00	9.13E+00
				BaLa-140	<1.19E+01	0.00E+00	1.19E+01
				Be-7	<7.34E+01	0.00E+00	7.34E+01
				K-40	2.22E+02	5.00E+01	8.84E+01
				H3GW	<-6.5E+01	0.00E+00	1.94E+02

Sample ID:	350755	Sample Dates:	8/26/2014 - 8/26/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<5.80E+00	0.00E+00	5.80E+00
				Co-58	<6.23E+00	0.00E+00	6.23E+00
				Fe-59	<1.50E+01	0.00E+00	1.50E+01
				Co-60	<6.13E+00	0.00E+00	6.13E+00
				Zn-65	<1.26E+01	0.00E+00	1.26E+01
				Zr-95	<1.18E+01	0.00E+00	1.18E+01
				Nb-95	<7.30E+00	0.00E+00	7.30E+00
				I-131	<1.16E+01	0.00E+00	1.16E+01
				Cs-134	<6.47E+00	0.00E+00	6.47E+00
				Cs-137	<4.85E+00	0.00E+00	4.85E+00
				BaLa-140	<8.95E+00	0.00E+00	8.95E+00
				Be-7	<5.12E+01	0.00E+00	5.12E+01
				K-40	3.48E+01	4.62E+01	7.62E+01
				H3GW	<9.00E+01	0.00E+00	1.83E+02

Sample ID:	359143	Sample Dates:	11/5/2014 - 11/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<5.11E+00	0.00E+00	5.11E+00
				Co-58	<5.58E+00	0.00E+00	5.58E+00
				Fe-59	<9.88E+00	0.00E+00	9.88E+00
				Co-60	<5.75E+00	0.00E+00	5.75E+00
				Zn-65	<1.19E+01	0.00E+00	1.19E+01
				Zr-95	<1.10E+01	0.00E+00	1.10E+01
				Nb-95	<6.82E+00	0.00E+00	6.82E+00
				I-131	<9.37E+00	0.00E+00	9.37E+00
				Cs-134	<7.08E+00	0.00E+00	7.08E+00
				Cs-137	<5.27E+00	0.00E+00	5.27E+00
				BaLa-140	<9.05E+00	0.00E+00	9.05E+00
				Be-7	<4.04E+01	0.00E+00	4.04E+01
				K-40	3.19E+02	7.01E+01	7.02E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 72 [ INDICATOR - SE @ 0.2 miles ]

Sample ID:	359143	Sample Dates:	11/5/2014 - 11/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				H3GW	<-1.6E+01	0.00E+00	1.82E+02

Sample Point 73 [ INDICATOR - S @ 0.2 miles ]

Sample ID:	281591	Sample Dates:	2/20/2014 - 2/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<7.53E+00	0.00E+00	7.53E+00
				Co-58	<6.72E+00	0.00E+00	6.72E+00
				Fe-59	<1.40E+01	0.00E+00	1.40E+01
				Co-60	<6.36E+00	0.00E+00	6.36E+00
				Zn-65	<1.38E+01	0.00E+00	1.38E+01
				Zr-95	<1.29E+01	0.00E+00	1.29E+01
				Nb-95	<6.74E+00	0.00E+00	6.74E+00
				I-131	<9.16E+00	0.00E+00	9.16E+00
				Cs-134	<5.49E+00	0.00E+00	5.49E+00
				Cs-137	<6.33E+00	0.00E+00	6.33E+00
				BaLa-140	<7.84E+00	0.00E+00	7.84E+00
				Be-7	<5.33E+01	0.00E+00	5.33E+01
				K-40	2.93E+02	3.92E+01	6.64E+01
				H3GW	<-7.2E+01	0.00E+00	1.97E+02

Sample ID:	292720	Sample Dates:	5/27/2014 - 5/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<4.48E+00	0.00E+00	4.48E+00
				Co-58	<5.55E+00	0.00E+00	5.55E+00
				Fe-59	<1.06E+01	0.00E+00	1.06E+01
				Co-60	<7.35E+00	0.00E+00	7.35E+00
				Zn-65	<1.08E+01	0.00E+00	1.08E+01
				Zr-95	<9.51E+00	0.00E+00	9.51E+00
				Nb-95	<6.93E+00	0.00E+00	6.93E+00
				I-131	<1.08E+01	0.00E+00	1.08E+01
				Cs-134	<4.96E+00	0.00E+00	4.96E+00
				Cs-137	<5.88E+00	0.00E+00	5.88E+00
				BaLa-140	<1.05E+01	0.00E+00	1.05E+01
				Be-7	<4.58E+01	0.00E+00	4.58E+01
				K-40	5.45E+01	3.54E+01	5.91E+01
				H3GW	<-5.6E+01	0.00E+00	1.95E+02

Sample ID:	350756	Sample Dates:	8/25/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<5.81E+00	0.00E+00	5.81E+00
				Co-58	<5.65E+00	0.00E+00	5.65E+00
				Fe-59	<1.21E+01	0.00E+00	1.21E+01
				Co-60	<5.07E+00	0.00E+00	5.07E+00
				Zn-65	<1.36E+01	0.00E+00	1.36E+01
				Zr-95	<9.48E+00	0.00E+00	9.48E+00
				Nb-95	<6.86E+00	0.00E+00	6.86E+00
				I-131	<9.13E+00	0.00E+00	9.13E+00
				Cs-134	<6.48E+00	0.00E+00	6.48E+00
				Cs-137	<5.97E+00	0.00E+00	5.97E+00
				BaLa-140	<1.02E+01	0.00E+00	1.02E+01
				Be-7	<4.58E+01	0.00E+00	4.58E+01
				K-40	<1.10E+02	0.00E+00	1.10E+02
				H3GW	<-1.7E+01	0.00E+00	1.84E+02

Sample ID:	359144	Sample Dates:	11/5/2014 - 11/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<5.41E+00	0.00E+00	5.41E+00
				Co-58	<6.45E+00	0.00E+00	6.45E+00
				Fe-59	<1.21E+01	0.00E+00	1.21E+01
				Co-60	<5.07E+00	0.00E+00	5.07E+00
				Zn-65	<9.84E+00	0.00E+00	9.84E+00
				Zr-95	<9.47E+00	0.00E+00	9.47E+00
				Nb-95	<7.03E+00	0.00E+00	7.03E+00
				I-131	<9.65E+00	0.00E+00	9.65E+00
				Cs-134	<5.00E+00	0.00E+00	5.00E+00
				Cs-137	<5.22E+00	0.00E+00	5.22E+00
				BaLa-140	<7.17E+00	0.00E+00	7.17E+00
				Be-7	<4.69E+01	0.00E+00	4.69E+01
				K-40	7.56E+01	5.72E+01	8.43E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 73 [ INDICATOR - S @ 0.2 miles ]

Sample ID:	359144	Sample Dates:	11/5/2014 - 11/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				H3GW	<-2.1E+01	0.00E+00	1.84E+02

Sample Point 74 [ INDICATOR - SSE @ 0.2 miles ]

Sample ID:	281592	Sample Dates:	2/17/2014 - 2/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<8.57E+00	0.00E+00	8.57E+00
				Co-58	<7.12E+00	0.00E+00	7.12E+00
				Fe-59	<1.15E+01	0.00E+00	1.15E+01
				Co-60	<1.15E+01	0.00E+00	1.15E+01
				Zn-65	<1.68E+01	0.00E+00	1.68E+01
				Zr-95	<1.32E+01	0.00E+00	1.32E+01
				Nb-95	<7.87E+00	0.00E+00	7.87E+00
				I-131	<1.19E+01	0.00E+00	1.19E+01
				Cs-134	<4.93E+00	0.00E+00	4.93E+00
				Cs-137	<8.11E+00	0.00E+00	8.11E+00
				BaLa-140	<9.45E+00	0.00E+00	9.45E+00
				Be-7	<4.91E+01	0.00E+00	4.91E+01
				K-40	1.22E+02	5.80E+01	8.31E+01
				H3GW	<-2.4E+00	0.00E+00	1.98E+02

Sample ID:	292721	Sample Dates:	5/28/2014 - 5/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<9.06E+00	0.00E+00	9.06E+00
				Co-58	<7.94E+00	0.00E+00	7.94E+00
				Fe-59	<1.84E+01	0.00E+00	1.84E+01
				Co-60	<1.36E+01	0.00E+00	1.36E+01
				Zn-65	<1.91E+01	0.00E+00	1.91E+01
				Zr-95	<1.27E+01	0.00E+00	1.27E+01
				Nb-95	<7.85E+00	0.00E+00	7.85E+00
				I-131	<1.38E+01	0.00E+00	1.38E+01
				Cs-134	<8.94E+00	0.00E+00	8.94E+00
				Cs-137	<8.58E+00	0.00E+00	8.58E+00
				BaLa-140	<1.05E+01	0.00E+00	1.05E+01
				Be-7	<8.37E+01	0.00E+00	8.37E+01
				K-40	2.79E+02	4.37E+01	8.59E+01
				H3GW	<9.68E+00	0.00E+00	1.95E+02

Sample ID:	350757	Sample Dates:	8/26/2014 - 8/26/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<4.72E+00	0.00E+00	4.72E+00
				Co-58	<5.60E+00	0.00E+00	5.60E+00
				Fe-59	<1.14E+01	0.00E+00	1.14E+01
				Co-60	<5.95E+00	0.00E+00	5.95E+00
				Zn-65	<1.06E+01	0.00E+00	1.06E+01
				Zr-95	<8.99E+00	0.00E+00	8.99E+00
				Nb-95	<4.75E+00	0.00E+00	4.75E+00
				I-131	<7.49E+00	0.00E+00	7.49E+00
				Cs-134	<5.79E+00	0.00E+00	5.79E+00
				Cs-137	<5.22E+00	0.00E+00	5.22E+00
				BaLa-140	<1.11E+01	0.00E+00	1.11E+01
				Be-7	<3.80E+01	0.00E+00	3.80E+01
				K-40	1.01E+02	4.22E+01	1.14E+01
				H3GW	<1.24E+02	0.00E+00	1.84E+02

Sample ID:	359145	Sample Dates:	11/6/2014 - 11/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<5.09E+00	0.00E+00	5.09E+00
				Co-58	<4.81E+00	0.00E+00	4.81E+00
				Fe-59	<1.06E+01	0.00E+00	1.06E+01
				Co-60	<6.18E+00	0.00E+00	6.18E+00
				Zn-65	<9.60E+00	0.00E+00	9.60E+00
				Zr-95	<9.61E+00	0.00E+00	9.61E+00
				Nb-95	<5.42E+00	0.00E+00	5.42E+00
				I-131	<9.62E+00	0.00E+00	9.62E+00
				Cs-134	<4.28E+00	0.00E+00	4.28E+00
				Cs-137	<5.14E+00	0.00E+00	5.14E+00
				BaLa-140	<9.49E+00	0.00E+00	9.49E+00
				Be-7	<4.24E+01	0.00E+00	4.24E+01
				K-40	3.37E+01	3.76E+01	5.92E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.





# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 74 [ INDICATOR - SSE @ 0.2 miles ]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
359145	11/6/2014 - 11/6/2014	H3GW	<-3.5E+01	0.00E+00	1.83E+02

Sample Point 75 [ INDICATOR - ESE @ 0.1 miles ]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
281593	2/20/2014 - 2/20/2014	Mn-54	<7.88E+00	0.00E+00	7.88E+00
		Co-58	<7.62E+00	0.00E+00	7.62E+00
		Fe-59	<1.28E+01	0.00E+00	1.28E+01
		Co-60	<9.46E+00	0.00E+00	9.46E+00
		Zn-65	<1.64E+01	0.00E+00	1.64E+01
		Zr-95	<1.36E+01	0.00E+00	1.36E+01
		Nb-95	<8.13E+00	0.00E+00	8.13E+00
		I-131	<1.01E+01	0.00E+00	1.01E+01
		Cs-134	<7.51E+00	0.00E+00	7.51E+00
		Cs-137	<8.46E+00	0.00E+00	8.46E+00
		BaLa-140	<1.42E+01	0.00E+00	1.42E+01
		Be-7	<4.67E+01	0.00E+00	4.67E+01
		K-40	<1.30E+02	0.00E+00	1.30E+02
		H3GW	<-8.4E+01	0.00E+00	1.94E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
292722	5/28/2014 - 5/28/2014	Mn-54	<6.38E+00	0.00E+00	6.38E+00
		Co-58	<6.89E+00	0.00E+00	6.89E+00
		Fe-59	<1.45E+01	0.00E+00	1.45E+01
		Co-60	<8.79E+00	0.00E+00	8.79E+00
		Zn-65	<1.19E+01	0.00E+00	1.19E+01
		Zr-95	<1.43E+01	0.00E+00	1.43E+01
		Nb-95	<7.43E+00	0.00E+00	7.43E+00
		I-131	<1.11E+01	0.00E+00	1.11E+01
		Cs-134	<6.26E+00	0.00E+00	6.26E+00
		Cs-137	<7.36E+00	0.00E+00	7.36E+00
		BaLa-140	<1.05E+01	0.00E+00	1.05E+01
		Be-7	<6.25E+01	0.00E+00	6.25E+01
		K-40	1.63E+02	3.74E+01	6.73E+01
		H3GW	<9.60E+00	0.00E+00	1.85E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
350758	8/26/2014 - 8/26/2014	Mn-54	<4.72E+00	0.00E+00	4.72E+00
		Co-58	<4.90E+00	0.00E+00	4.90E+00
		Fe-59	<1.01E+01	0.00E+00	1.01E+01
		Co-60	<5.53E+00	0.00E+00	5.53E+00
		Zn-65	<1.12E+01	0.00E+00	1.12E+01
		Zr-95	<1.01E+01	0.00E+00	1.01E+01
		Nb-95	<6.74E+00	0.00E+00	6.74E+00
		I-131	<7.87E+00	0.00E+00	7.87E+00
		Cs-134	<5.54E+00	0.00E+00	5.54E+00
		Cs-137	<4.80E+00	0.00E+00	4.80E+00
		BaLa-140	<8.88E+00	0.00E+00	8.88E+00
		Be-7	<4.06E+01	0.00E+00	4.06E+01
		K-40	7.35E+01	3.97E+01	4.00E+01
		H3GW	<-1.2E+01	0.00E+00	1.81E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
359146	11/6/2014 - 11/6/2014	Mn-54	<6.13E+00	0.00E+00	6.13E+00
		Co-58	<5.27E+00	0.00E+00	5.27E+00
		Fe-59	<9.53E+00	0.00E+00	9.53E+00
		Co-60	<5.96E+00	0.00E+00	5.96E+00
		Zn-65	<9.23E+00	0.00E+00	9.23E+00
		Zr-95	<1.14E+01	0.00E+00	1.14E+01
		Nb-95	<6.17E+00	0.00E+00	6.17E+00
		I-131	<1.00E+01	0.00E+00	1.00E+01
		Cs-134	<5.21E+00	0.00E+00	5.21E+00
		Cs-137	<6.90E+00	0.00E+00	6.90E+00
		BaLa-140	<1.16E+01	0.00E+00	1.16E+01
		Be-7	<4.26E+01	0.00E+00	4.26E+01
		K-40	<9.34E+01	0.00E+00	9.34E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 75 [ INDICATOR - ESE @ 0.1 miles ]

Sample ID:	359146	Sample Dates:	11/6/2014 - 11/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				H3GW	<6.96E+00	0.00E+00	1.70E+02

Sample Point 76 [ INDICATOR - S @ 0.1 miles ]

Sample ID:	281594	Sample Dates:	2/19/2014 - 2/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<6.53E+00	0.00E+00	6.53E+00
				Co-58	<6.61E+00	0.00E+00	6.61E+00
				Fe-59	<1.40E+01	0.00E+00	1.40E+01
				Co-60	<6.80E+00	0.00E+00	6.80E+00
				Zn-65	<1.47E+01	0.00E+00	1.47E+01
				Zr-95	<9.49E+00	0.00E+00	9.49E+00
				Nb-95	<7.63E+00	0.00E+00	7.63E+00
				I-131	<1.03E+01	0.00E+00	1.03E+01
				Cs-134	<6.03E+00	0.00E+00	6.03E+00
				Cs-137	<6.61E+00	0.00E+00	6.61E+00
				BaLa-140	<1.33E+01	0.00E+00	1.33E+01
				Be-7	<6.03E+01	0.00E+00	6.03E+01
				K-40	3.25E+02	5.05E+01	7.01E+01
				H3GW	3.78E+02	6.50E+01	1.95E+02

Sample ID:	292723	Sample Dates:	5/28/2014 - 5/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<7.97E+00	0.00E+00	7.97E+00
				Co-58	<7.03E+00	0.00E+00	7.03E+00
				Fe-59	<1.38E+01	0.00E+00	1.38E+01
				Co-60	<9.55E+00	0.00E+00	9.55E+00
				Zn-65	<1.25E+01	0.00E+00	1.25E+01
				Zr-95	<1.42E+01	0.00E+00	1.42E+01
				Nb-95	<8.43E+00	0.00E+00	8.43E+00
				I-131	<1.17E+01	0.00E+00	1.17E+01
				Cs-134	<8.03E+00	0.00E+00	8.03E+00
				Cs-137	<7.76E+00	0.00E+00	7.76E+00
				BaLa-140	<1.37E+01	0.00E+00	1.37E+01
				Be-7	<5.95E+01	0.00E+00	5.95E+01
				K-40	3.19E+02	5.64E+01	6.80E+01
				H3GW	3.66E+02	6.21E+01	1.84E+02

Sample ID:	350759	Sample Dates:	8/26/2014 - 8/26/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<6.18E+00	0.00E+00	6.18E+00
				Co-58	<3.74E+00	0.00E+00	3.74E+00
				Fe-59	<9.56E+00	0.00E+00	9.56E+00
				Co-60	<3.92E+00	0.00E+00	3.92E+00
				Zn-65	<1.36E+01	0.00E+00	1.36E+01
				Zr-95	<1.06E+01	0.00E+00	1.06E+01
				Nb-95	<5.62E+00	0.00E+00	5.62E+00
				I-131	<1.00E+01	0.00E+00	1.00E+01
				Cs-134	<6.48E+00	0.00E+00	6.48E+00
				Cs-137	<6.30E+00	0.00E+00	6.30E+00
				BaLa-140	<8.41E+00	0.00E+00	8.41E+00
				Be-7	<4.59E+01	0.00E+00	4.59E+01
				K-40	5.81E+01	4.79E+01	7.07E+01
				H3GW	4.42E+02	1.20E+02	1.81E+02

Sample ID:	359147	Sample Dates:	11/6/2014 - 11/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<4.87E+00	0.00E+00	4.87E+00
				Co-58	<6.29E+00	0.00E+00	6.29E+00
				Fe-59	<1.06E+01	0.00E+00	1.06E+01
				Co-60	<3.03E+00	0.00E+00	3.03E+00
				Zn-65	<9.60E+00	0.00E+00	9.60E+00
				Zr-95	<6.37E+00	0.00E+00	6.37E+00
				Nb-95	<4.94E+00	0.00E+00	4.94E+00
				I-131	<1.01E+01	0.00E+00	1.01E+01
				Cs-134	<6.57E+00	0.00E+00	6.57E+00
				Cs-137	<3.71E+00	0.00E+00	3.71E+00
				BaLa-140	<1.09E+01	0.00E+00	1.09E+01
				Be-7	<4.36E+01	0.00E+00	4.36E+01
				K-40	<1.05E+02	0.00E+00	1.05E+02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 76 [ INDICATOR - S @ 0.1 miles ]

Sample ID:	359147	Sample Dates:	11/6/2014 - 11/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				H3GW	3.54E+02	1.11E+02	1.70E+02

Sample Point 77 [ INDICATOR - S @ 0.4 miles ]

Sample ID:	281595	Sample Dates:	2/19/2014 - 2/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<5.62E+00	0.00E+00	5.62E+00
				Co-58	<7.36E+00	0.00E+00	7.36E+00
				Fe-59	<1.35E+01	0.00E+00	1.35E+01
				Co-60	<1.02E+01	0.00E+00	1.02E+01
				Zn-65	<1.40E+01	0.00E+00	1.40E+01
				Zr-95	<1.40E+01	0.00E+00	1.40E+01
				Nb-95	<5.77E+00	0.00E+00	5.77E+00
				I-131	<8.86E+00	0.00E+00	8.86E+00
				Cs-134	<6.34E+00	0.00E+00	6.34E+00
				Cs-137	<5.60E+00	0.00E+00	5.60E+00
				BaLa-140	<1.02E+01	0.00E+00	1.02E+01
				Be-7	<5.08E+01	0.00E+00	5.08E+01
				K-40	<1.20E+02	0.00E+00	1.20E+02
				H3GW	<1.79E+02	0.00E+00	1.95E+02

Sample ID:	292724	Sample Dates:	5/28/2014 - 5/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<6.34E+00	0.00E+00	6.34E+00
				Co-58	<5.90E+00	0.00E+00	5.90E+00
				Fe-59	<1.52E+01	0.00E+00	1.52E+01
				Co-60	<1.03E+01	0.00E+00	1.03E+01
				Zn-65	<1.60E+01	0.00E+00	1.60E+01
				Zr-95	<1.30E+01	0.00E+00	1.30E+01
				Nb-95	<9.14E+00	0.00E+00	9.14E+00
				I-131	<1.41E+01	0.00E+00	1.41E+01
				Cs-134	<7.72E+00	0.00E+00	7.72E+00
				Cs-137	<8.58E+00	0.00E+00	8.58E+00
				BaLa-140	<1.23E+01	0.00E+00	1.23E+01
				Be-7	<6.35E+01	0.00E+00	6.35E+01
				K-40	2.11E+02	4.02E+01	8.28E+01
				H3GW	2.02E+02	5.97E+01	1.85E+02

Sample ID:	350760	Sample Dates:	8/25/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<4.21E+00	0.00E+00	4.21E+00
				Co-58	<4.88E+00	0.00E+00	4.88E+00
				Fe-59	<1.09E+01	0.00E+00	1.09E+01
				Co-60	<4.95E+00	0.00E+00	4.95E+00
				Zn-65	<8.43E+00	0.00E+00	8.43E+00
				Zr-95	<9.10E+00	0.00E+00	9.10E+00
				Nb-95	<5.60E+00	0.00E+00	5.60E+00
				I-131	<8.57E+00	0.00E+00	8.57E+00
				Cs-134	<6.02E+00	0.00E+00	6.02E+00
				Cs-137	<4.35E+00	0.00E+00	4.35E+00
				BaLa-140	<7.50E+00	0.00E+00	7.50E+00
				Be-7	<3.40E+01	0.00E+00	3.40E+01
				K-40	3.83E+02	7.36E+01	6.95E+01
				H3GW	2.31E+02	1.15E+02	1.84E+02

Sample ID:	359148	Sample Dates:	11/5/2014 - 11/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<6.97E+00	0.00E+00	6.97E+00
				Co-58	<6.46E+00	0.00E+00	6.46E+00
				Fe-59	<1.14E+01	0.00E+00	1.14E+01
				Co-60	<6.38E+00	0.00E+00	6.38E+00
				Zn-65	<1.50E+01	0.00E+00	1.50E+01
				Zr-95	<1.08E+01	0.00E+00	1.08E+01
				Nb-95	<7.04E+00	0.00E+00	7.04E+00
				I-131	<1.16E+01	0.00E+00	1.16E+01
				Cs-134	<6.76E+00	0.00E+00	6.76E+00
				Cs-137	<5.70E+00	0.00E+00	5.70E+00
				BaLa-140	<9.76E+00	0.00E+00	9.76E+00
				Be-7	<4.89E+01	0.00E+00	4.89E+01
				K-40	2.74E+02	8.42E+01	9.53E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 77 [ INDICATOR - S @ 0.4 miles ]

Sample ID:	359148	Sample Dates:	11/5/2014 - 11/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				H3GW	3.43E+02	1.11E+02	1.71E+02

Sample Point 78 [ INDICATOR - S @ 0.5 miles ]

Sample ID:	281596	Sample Dates:	2/19/2014 - 2/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<9.07E+00	0.00E+00	9.07E+00
				Co-58	<9.11E+00	0.00E+00	9.11E+00
				Fe-59	<2.03E+01	0.00E+00	2.03E+01
				Co-60	<1.21E+01	0.00E+00	1.21E+01
				Zn-65	<1.55E+01	0.00E+00	1.55E+01
				Zr-95	<1.40E+01	0.00E+00	1.40E+01
				Nb-95	<9.71E+00	0.00E+00	9.71E+00
				I-131	<1.13E+01	0.00E+00	1.13E+01
				Cs-134	<7.61E+00	0.00E+00	7.61E+00
				Cs-137	<8.65E+00	0.00E+00	8.65E+00
				BaLa-140	<1.39E+01	0.00E+00	1.39E+01
				Be-7	<6.62E+01	0.00E+00	6.62E+01
				K-40	<1.42E+02	0.00E+00	1.42E+02
				H3GW	2.32E+02	6.25E+01	1.94E+02

Sample ID:	292725	Sample Dates:	5/28/2014 - 5/28/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<5.10E+00	0.00E+00	5.10E+00
				Co-58	<4.93E+00	0.00E+00	4.93E+00
				Fe-59	<1.40E+01	0.00E+00	1.40E+01
				Co-60	<5.62E+00	0.00E+00	5.62E+00
				Zn-65	<1.60E+01	0.00E+00	1.60E+01
				Zr-95	<8.23E+00	0.00E+00	8.23E+00
				Nb-95	<7.16E+00	0.00E+00	7.16E+00
				I-131	<1.34E+01	0.00E+00	1.34E+01
				Cs-134	<5.82E+00	0.00E+00	5.82E+00
				Cs-137	<7.03E+00	0.00E+00	7.03E+00
				BaLa-140	<9.19E+00	0.00E+00	9.19E+00
				Be-7	<4.72E+01	0.00E+00	4.72E+01
				K-40	2.82E+02	4.16E+01	7.36E+01
				H3GW	4.64E+02	6.34E+01	1.84E+02

Sample ID:	350761	Sample Dates:	8/25/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<5.94E+00	0.00E+00	5.94E+00
				Co-58	<7.40E+00	0.00E+00	7.40E+00
				Fe-59	<1.47E+01	0.00E+00	1.47E+01
				Co-60	<7.60E+00	0.00E+00	7.60E+00
				Zn-65	<1.60E+01	0.00E+00	1.60E+01
				Zr-95	<1.13E+01	0.00E+00	1.13E+01
				Nb-95	<8.30E+00	0.00E+00	8.30E+00
				I-131	<1.01E+01	0.00E+00	1.01E+01
				Cs-134	<7.59E+00	0.00E+00	7.59E+00
				Cs-137	<7.08E+00	0.00E+00	7.08E+00
				BaLa-140	<9.99E+00	0.00E+00	9.99E+00
				Be-7	<6.03E+01	0.00E+00	6.03E+01
				K-40	4.70E+02	1.05E+02	8.09E+01
				H3GW	6.33E+02	1.27E+02	1.84E+02

Sample ID:	359149	Sample Dates:	11/5/2014 - 11/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<5.10E+00	0.00E+00	5.10E+00
				Co-58	<4.85E+00	0.00E+00	4.85E+00
				Fe-59	<1.13E+01	0.00E+00	1.13E+01
				Co-60	<4.94E+00	0.00E+00	4.94E+00
				Zn-65	<1.22E+01	0.00E+00	1.22E+01
				Zr-95	<8.04E+00	0.00E+00	8.04E+00
				Nb-95	<6.56E+00	0.00E+00	6.56E+00
				I-131	<9.08E+00	0.00E+00	9.08E+00
				Cs-134	<5.69E+00	0.00E+00	5.69E+00
				Cs-137	<6.04E+00	0.00E+00	6.04E+00
				BaLa-140	<1.14E+01	0.00E+00	1.14E+01
				Be-7	<4.63E+01	0.00E+00	4.63E+01
				K-40	8.12E+01	6.13E+01	9.15E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 78 [ INDICATOR - S @ 0.5 miles ]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
359149	11/5/2014 - 11/5/2014	H3GW	5.92E+02	1.18E+02	1.70E+02

Sample Point 79 [ INDICATOR - S @ 0.5 miles ]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
281597	2/19/2014 - 2/19/2014	Mn-54	<8.90E+00	0.00E+00	8.90E+00
		Co-58	<7.22E+00	0.00E+00	7.22E+00
		Fe-59	<1.85E+01	0.00E+00	1.85E+01
		Co-60	<9.76E+00	0.00E+00	9.76E+00
		Zn-65	<1.54E+01	0.00E+00	1.54E+01
		Zr-95	<1.25E+01	0.00E+00	1.25E+01
		Nb-95	<9.91E+00	0.00E+00	9.91E+00
		I-131	<1.18E+01	0.00E+00	1.18E+01
		Cs-134	<6.86E+00	0.00E+00	6.86E+00
		Cs-137	<7.03E+00	0.00E+00	7.03E+00
		BaLa-140	<1.21E+01	0.00E+00	1.21E+01
		Be-7	<6.81E+01	0.00E+00	6.81E+01
		K-40	4.37E+02	4.76E+01	6.59E+01
		H3GW	3.51E+02	6.43E+01	1.94E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
292726	5/27/2014 - 5/27/2014	Mn-54	<4.78E+00	0.00E+00	4.78E+00
		Co-58	<5.31E+00	0.00E+00	5.31E+00
		Fe-59	<9.80E+00	0.00E+00	9.80E+00
		Co-60	<4.94E+00	0.00E+00	4.94E+00
		Zn-65	<1.01E+01	0.00E+00	1.01E+01
		Zr-95	<8.95E+00	0.00E+00	8.95E+00
		Nb-95	<5.81E+00	0.00E+00	5.81E+00
		I-131	<7.72E+00	0.00E+00	7.72E+00
		Cs-134	<3.93E+00	0.00E+00	3.93E+00
		Cs-137	<5.12E+00	0.00E+00	5.12E+00
		BaLa-140	<8.15E+00	0.00E+00	8.15E+00
		Be-7	<3.82E+01	0.00E+00	3.82E+01
		K-40	1.02E+02	2.80E+01	4.83E+01
		H3GW	4.73E+02	6.41E+01	1.85E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
350762	8/25/2014 - 8/25/2014	Mn-54	<5.34E+00	0.00E+00	5.34E+00
		Co-58	<5.72E+00	0.00E+00	5.72E+00
		Fe-59	<1.09E+01	0.00E+00	1.09E+01
		Co-60	<5.36E+00	0.00E+00	5.36E+00
		Zn-65	<1.12E+01	0.00E+00	1.12E+01
		Zr-95	<1.16E+01	0.00E+00	1.16E+01
		Nb-95	<6.99E+00	0.00E+00	6.99E+00
		I-131	<1.20E+01	0.00E+00	1.20E+01
		Cs-134	<7.20E+00	0.00E+00	7.20E+00
		Cs-137	<5.03E+00	0.00E+00	5.03E+00
		BaLa-140	<1.01E+01	0.00E+00	1.01E+01
		Be-7	<4.91E+01	0.00E+00	4.91E+01
		K-40	4.20E+02	1.54E+02	2.29E+02
		H3GW	4.53E+02	1.20E+02	1.82E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
359150	11/5/2014 - 11/5/2014	Mn-54	<5.96E+00	0.00E+00	5.96E+00
		Co-58	<5.92E+00	0.00E+00	5.92E+00
		Fe-59	<1.10E+01	0.00E+00	1.10E+01
		Co-60	<4.88E+00	0.00E+00	4.88E+00
		Zn-65	<1.19E+01	0.00E+00	1.19E+01
		Zr-95	<9.76E+00	0.00E+00	9.76E+00
		Nb-95	<6.47E+00	0.00E+00	6.47E+00
		I-131	<9.37E+00	0.00E+00	9.37E+00
		Cs-134	<7.09E+00	0.00E+00	7.09E+00
		Cs-137	<4.59E+00	0.00E+00	4.59E+00
		BaLa-140	<8.38E+00	0.00E+00	8.38E+00
		Be-7	<4.42E+01	0.00E+00	4.42E+01
		K-40	3.79E+02	8.97E+01	1.02E+02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 79 [ INDICATOR - S @ 0.5 miles ]

Sample ID:	359150	Sample Dates:	11/5/2014 - 11/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				H3GW	3.76E+02	1.11E+02	1.70E+02

Sample Point 80 [ INDICATOR - S @ 0.6 miles ]

Sample ID:	281598	Sample Dates:	2/19/2014 - 2/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<7.51E+00	0.00E+00	7.51E+00
				Co-58	<7.11E+00	0.00E+00	7.11E+00
				Fe-59	<1.05E+01	0.00E+00	1.05E+01
				Co-60	<7.68E+00	0.00E+00	7.68E+00
				Zn-65	<1.14E+01	0.00E+00	1.14E+01
				Zr-95	<1.32E+01	0.00E+00	1.32E+01
				Nb-95	<8.51E+00	0.00E+00	8.51E+00
				I-131	<8.09E+00	0.00E+00	8.09E+00
				Cs-134	<6.85E+00	0.00E+00	6.85E+00
				Cs-137	<7.81E+00	0.00E+00	7.81E+00
				BaLa-140	<1.18E+01	0.00E+00	1.18E+01
				Be-7	<5.32E+01	0.00E+00	5.32E+01
				K-40	1.60E+02	5.85E+01	7.57E+01
				H3GW	5.43E+02	6.74E+01	1.95E+02

Sample ID:	292727	Sample Dates:	5/27/2014 - 5/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<4.74E+00	0.00E+00	4.74E+00
				Co-58	<4.62E+00	0.00E+00	4.62E+00
				Fe-59	<1.00E+01	0.00E+00	1.00E+01
				Co-60	<5.30E+00	0.00E+00	5.30E+00
				Zn-65	<9.14E+00	0.00E+00	9.14E+00
				Zr-95	<8.68E+00	0.00E+00	8.68E+00
				Nb-95	<5.63E+00	0.00E+00	5.63E+00
				I-131	<1.37E+01	0.00E+00	1.37E+01
				Cs-134	<4.15E+00	0.00E+00	4.15E+00
				Cs-137	<5.08E+00	0.00E+00	5.08E+00
				BaLa-140	<9.92E+00	0.00E+00	9.92E+00
				Be-7	<4.20E+01	0.00E+00	4.20E+01
				K-40	4.91E+02	3.06E+01	4.42E+01
				H3GW	5.86E+02	6.58E+01	1.85E+02

Sample ID:	350763	Sample Dates:	8/25/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<5.81E+00	0.00E+00	5.81E+00
				Co-58	<5.20E+00	0.00E+00	5.20E+00
				Fe-59	<1.22E+01	0.00E+00	1.22E+01
				Co-60	<4.54E+00	0.00E+00	4.54E+00
				Zn-65	<1.25E+01	0.00E+00	1.25E+01
				Zr-95	<1.06E+01	0.00E+00	1.06E+01
				Nb-95	<7.41E+00	0.00E+00	7.41E+00
				I-131	<1.04E+01	0.00E+00	1.04E+01
				Cs-134	<6.69E+00	0.00E+00	6.69E+00
				Cs-137	<5.42E+00	0.00E+00	5.42E+00
				BaLa-140	<7.26E+00	0.00E+00	7.26E+00
				Be-7	<4.70E+01	0.00E+00	4.70E+01
				K-40	1.34E+02	5.49E+01	5.30E+01
				H3GW	3.80E+02	1.19E+02	1.83E+02

Sample ID:	359151	Sample Dates:	11/5/2014 - 11/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<6.01E+00	0.00E+00	6.01E+00
				Co-58	<4.99E+00	0.00E+00	4.99E+00
				Fe-59	<1.34E+01	0.00E+00	1.34E+01
				Co-60	<4.54E+00	0.00E+00	4.54E+00
				Zn-65	<9.04E+00	0.00E+00	9.04E+00
				Zr-95	<9.17E+00	0.00E+00	9.17E+00
				Nb-95	<6.18E+00	0.00E+00	6.18E+00
				I-131	<1.14E+01	0.00E+00	1.14E+01
				Cs-134	<5.80E+00	0.00E+00	5.80E+00
				Cs-137	<6.46E+00	0.00E+00	6.46E+00
				BaLa-140	<9.85E+00	0.00E+00	9.85E+00
				Be-7	<4.87E+01	0.00E+00	4.87E+01
				K-40	8.03E+01	4.27E+01	4.54E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 80 [ INDICATOR - S @ 0.6 miles ]

Sample ID:	359151	Sample Dates:	11/5/2014 - 11/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				H3GW	4.69E+02	1.15E+02	1.71E+02

Sample Point 81 [ INDICATOR - S @ 0.6 miles ]

Sample ID:	281599	Sample Dates:	2/19/2014 - 2/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<5.52E+00	0.00E+00	5.52E+00
				Co-58	<5.54E+00	0.00E+00	5.54E+00
				Fe-59	<1.08E+01	0.00E+00	1.08E+01
				Co-60	<6.89E+00	0.00E+00	6.89E+00
				Zn-65	<1.39E+01	0.00E+00	1.39E+01
				Zr-95	<1.17E+01	0.00E+00	1.17E+01
				Nb-95	<5.47E+00	0.00E+00	5.47E+00
				I-131	<8.20E+00	0.00E+00	8.20E+00
				Cs-134	<5.24E+00	0.00E+00	5.24E+00
				Cs-137	<5.47E+00	0.00E+00	5.47E+00
				BaLa-140	<6.83E+00	0.00E+00	6.83E+00
				Be-7	<5.00E+01	0.00E+00	5.00E+01
				K-40	1.35E+02	3.07E+01	6.19E+01
				H3GW	3.68E+02	6.44E+01	1.93E+02

Sample ID:	292728	Sample Dates:	5/27/2014 - 5/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<7.75E+00	0.00E+00	7.75E+00
				Co-58	<6.36E+00	0.00E+00	6.36E+00
				Fe-59	<1.23E+01	0.00E+00	1.23E+01
				Co-60	<1.06E+01	0.00E+00	1.06E+01
				Zn-65	<1.31E+01	0.00E+00	1.31E+01
				Zr-95	<1.12E+01	0.00E+00	1.12E+01
				Nb-95	<6.58E+00	0.00E+00	6.58E+00
				I-131	<1.41E+01	0.00E+00	1.41E+01
				Cs-134	<6.04E+00	0.00E+00	6.04E+00
				Cs-137	<7.37E+00	0.00E+00	7.37E+00
				BaLa-140	<1.04E+01	0.00E+00	1.04E+01
				Be-7	<5.40E+01	0.00E+00	5.40E+01
				K-40	7.60E+01	4.40E+01	8.52E+01
				H3GW	4.14E+02	6.27E+01	1.84E+02

Sample ID:	350764	Sample Dates:	8/25/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<5.46E+00	0.00E+00	5.46E+00
				Co-58	<5.12E+00	0.00E+00	5.12E+00
				Fe-59	<9.52E+00	0.00E+00	9.52E+00
				Co-60	<5.76E+00	0.00E+00	5.76E+00
				Zn-65	<1.10E+01	0.00E+00	1.10E+01
				Zr-95	<9.76E+00	0.00E+00	9.76E+00
				Nb-95	<7.27E+00	0.00E+00	7.27E+00
				I-131	<1.10E+01	0.00E+00	1.10E+01
				Cs-134	<4.23E+00	0.00E+00	4.23E+00
				Cs-137	<5.24E+00	0.00E+00	5.24E+00
				BaLa-140	<1.18E+01	0.00E+00	1.18E+01
				Be-7	<4.20E+01	0.00E+00	4.20E+01
				K-40	5.58E+01	5.75E+01	9.13E+01
				H3GW	5.07E+02	1.22E+02	1.82E+02

Sample ID:	359152	Sample Dates:	11/5/2014 - 11/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<5.63E+00	0.00E+00	5.63E+00
				Co-58	<5.92E+00	0.00E+00	5.92E+00
				Fe-59	<1.23E+01	0.00E+00	1.23E+01
				Co-60	<5.53E+00	0.00E+00	5.53E+00
				Zn-65	<8.10E+00	0.00E+00	8.10E+00
				Zr-95	<9.58E+00	0.00E+00	9.58E+00
				Nb-95	<7.17E+00	0.00E+00	7.17E+00
				I-131	<1.05E+01	0.00E+00	1.05E+01
				Cs-134	<6.90E+00	0.00E+00	6.90E+00
				Cs-137	<5.42E+00	0.00E+00	5.42E+00
				BaLa-140	<1.07E+01	0.00E+00	1.07E+01
				Be-7	<4.75E+01	0.00E+00	4.75E+01
				K-40	9.20E+01	5.46E+01	7.24E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 81 [ INDICATOR - S @ 0.6 miles ]

Sample ID:	359152	Sample Dates:	11/5/2014 - 11/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				H3GW	5.73E+02	1.18E+02	1.70E+02

Sample Point 82 [ INDICATOR - S @ 0.6 miles ]

Sample ID:	281600	Sample Dates:	2/19/2014 - 2/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<6.63E+00	0.00E+00	6.63E+00
				Co-58	<5.83E+00	0.00E+00	5.83E+00
				Fe-59	<1.64E+01	0.00E+00	1.64E+01
				Co-60	<9.41E+00	0.00E+00	9.41E+00
				Zn-65	<1.47E+01	0.00E+00	1.47E+01
				Zr-95	<1.35E+01	0.00E+00	1.35E+01
				Nb-95	<8.54E+00	0.00E+00	8.54E+00
				I-131	<8.77E+00	0.00E+00	8.77E+00
				Cs-134	<6.37E+00	0.00E+00	6.37E+00
				Cs-137	<7.91E+00	0.00E+00	7.91E+00
				BaLa-140	<1.27E+01	0.00E+00	1.27E+01
				Be-7	<5.20E+01	0.00E+00	5.20E+01
				K-40	2.12E+02	4.03E+01	6.75E+01
				H3GW	<9.40E+00	0.00E+00	1.95E+02

Sample ID:	292729	Sample Dates:	5/27/2014 - 5/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<7.35E+00	0.00E+00	7.35E+00
				Co-58	<7.40E+00	0.00E+00	7.40E+00
				Fe-59	<1.56E+01	0.00E+00	1.56E+01
				Co-60	<9.33E+00	0.00E+00	9.33E+00
				Zn-65	<1.54E+01	0.00E+00	1.54E+01
				Zr-95	<9.51E+00	0.00E+00	9.51E+00
				Nb-95	<7.82E+00	0.00E+00	7.82E+00
				I-131	<1.42E+01	0.00E+00	1.42E+01
				Cs-134	<6.49E+00	0.00E+00	6.49E+00
				Cs-137	<6.93E+00	0.00E+00	6.93E+00
				BaLa-140	<1.44E+01	0.00E+00	1.44E+01
				Be-7	<6.34E+01	0.00E+00	6.34E+01
				K-40	2.00E+02	4.94E+01	9.37E+01
				H3GW	<8.84E+01	0.00E+00	1.84E+02

Sample ID:	350765	Sample Dates:	8/25/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<4.49E+00	0.00E+00	4.49E+00
				Co-58	<5.91E+00	0.00E+00	5.91E+00
				Fe-59	<9.68E+00	0.00E+00	9.68E+00
				Co-60	<4.54E+00	0.00E+00	4.54E+00
				Zn-65	<1.37E+01	0.00E+00	1.37E+01
				Zr-95	<8.26E+00	0.00E+00	8.26E+00
				Nb-95	<6.16E+00	0.00E+00	6.16E+00
				I-131	<1.03E+01	0.00E+00	1.03E+01
				Cs-134	<5.55E+00	0.00E+00	5.55E+00
				Cs-137	<6.14E+00	0.00E+00	6.14E+00
				BaLa-140	<6.00E+00	0.00E+00	6.00E+00
				Be-7	<4.40E+01	0.00E+00	4.40E+01
				K-40	9.58E+01	6.76E+01	9.99E+01
				H3GW	<4.70E+01	0.00E+00	1.82E+02

Sample ID:	359153	Sample Dates:	11/5/2014 - 11/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<4.14E+00	0.00E+00	4.14E+00
				Co-58	<5.14E+00	0.00E+00	5.14E+00
				Fe-59	<1.02E+01	0.00E+00	1.02E+01
				Co-60	<6.18E+00	0.00E+00	6.18E+00
				Zn-65	<1.10E+01	0.00E+00	1.10E+01
				Zr-95	<9.41E+00	0.00E+00	9.41E+00
				Nb-95	<5.37E+00	0.00E+00	5.37E+00
				I-131	<7.55E+00	0.00E+00	7.55E+00
				Cs-134	<5.93E+00	0.00E+00	5.93E+00
				Cs-137	<4.93E+00	0.00E+00	4.93E+00
				BaLa-140	<8.57E+00	0.00E+00	8.57E+00
				Be-7	<3.70E+01	0.00E+00	3.70E+01
				K-40	<8.77E+01	0.00E+00	8.77E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.





# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 82 [ INDICATOR - S @ 0.6 miles ]

Sample ID:	359153	Sample Dates:	11/5/2014 - 11/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				H3GW	<1.23E+02	0.00E+00	1.70E+02

Sample Point 83 [ INDICATOR - SSW @ 1.6 miles ]

Sample ID:	281601	Sample Dates:	2/18/2014 - 2/18/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<5.88E+00	0.00E+00	5.88E+00
				Co-58	<5.77E+00	0.00E+00	5.77E+00
				Fe-59	<1.41E+01	0.00E+00	1.41E+01
				Co-60	<8.21E+00	0.00E+00	8.21E+00
				Zn-65	<1.59E+01	0.00E+00	1.59E+01
				Zr-95	<1.16E+01	0.00E+00	1.16E+01
				Nb-95	<7.74E+00	0.00E+00	7.74E+00
				I-131	<9.33E+00	0.00E+00	9.33E+00
				Cs-134	<6.76E+00	0.00E+00	6.76E+00
				Cs-137	<6.12E+00	0.00E+00	6.12E+00
				BaLa-140	<1.09E+01	0.00E+00	1.09E+01
				Be-7	<5.81E+01	0.00E+00	5.81E+01
				K-40	1.80E+02	4.57E+01	8.22E+01
				H3GW	1.71E+03	8.22E+01	1.93E+02

Sample ID:	292730	Sample Dates:	5/27/2014 - 5/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<8.18E+00	0.00E+00	8.18E+00
				Co-58	<7.50E+00	0.00E+00	7.50E+00
				Fe-59	<1.66E+01	0.00E+00	1.66E+01
				Co-60	<8.49E+00	0.00E+00	8.49E+00
				Zn-65	<1.44E+01	0.00E+00	1.44E+01
				Zr-95	<1.12E+01	0.00E+00	1.12E+01
				Nb-95	<9.57E+00	0.00E+00	9.57E+00
				I-131	<1.43E+01	0.00E+00	1.43E+01
				Cs-134	<6.48E+00	0.00E+00	6.48E+00
				Cs-137	<8.03E+00	0.00E+00	8.03E+00
				BaLa-140	<1.20E+01	0.00E+00	1.20E+01
				Be-7	<6.84E+01	0.00E+00	6.84E+01
				K-40	1.37E+02	3.96E+01	9.42E+01
				H3GW	1.69E+03	8.07E+01	1.84E+02

Sample ID:	350766	Sample Dates:	8/25/2014 - 8/25/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<6.02E+00	0.00E+00	6.02E+00
				Co-58	<4.44E+00	0.00E+00	4.44E+00
				Fe-59	<1.39E+01	0.00E+00	1.39E+01
				Co-60	<7.04E+00	0.00E+00	7.04E+00
				Zn-65	<1.31E+01	0.00E+00	1.31E+01
				Zr-95	<1.07E+01	0.00E+00	1.07E+01
				Nb-95	<5.97E+00	0.00E+00	5.97E+00
				I-131	<1.15E+01	0.00E+00	1.15E+01
				Cs-134	<6.90E+00	0.00E+00	6.90E+00
				Cs-137	<5.97E+00	0.00E+00	5.97E+00
				BaLa-140	<1.16E+01	0.00E+00	1.16E+01
				Be-7	<3.11E+01	0.00E+00	3.11E+01
				K-40	7.51E+01	5.94E+01	8.91E+01
				H3GW	1.65E+03	1.54E+02	1.83E+02

Sample ID:	359154	Sample Dates:	11/5/2014 - 11/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<5.32E+00	0.00E+00	5.32E+00
				Co-58	<5.81E+00	0.00E+00	5.81E+00
				Fe-59	<9.49E+00	0.00E+00	9.49E+00
				Co-60	<5.80E+00	0.00E+00	5.80E+00
				Zn-65	<1.11E+01	0.00E+00	1.11E+01
				Zr-95	<9.81E+00	0.00E+00	9.81E+00
				Nb-95	<5.38E+00	0.00E+00	5.38E+00
				I-131	<1.03E+01	0.00E+00	1.03E+01
				Cs-134	<7.34E+00	0.00E+00	7.34E+00
				Cs-137	<3.99E+00	0.00E+00	3.99E+00
				BaLa-140	<8.62E+00	0.00E+00	8.62E+00
				Be-7	<5.20E+01	0.00E+00	5.20E+01
				K-40	<9.67E+01	0.00E+00	9.67E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 83 [ INDICATOR - SSW @ 1.6 miles ]

Sample ID:	359154	Sample Dates:	11/5/2014 - 11/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				H3GW	1.54E+03	1.45E+02	1.71E+02

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

Sample Point 5 [ CONTROL - WNW @ 12 miles ]

Sample ID:	278815	Sample Dates:	1/6/2014 - 1/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<4.97E+00	0.00E+00	4.97E+00
				K-40	4.99E+01	5.48E+00	7.01E+00
				LLI-131	<6.47E-01	0.00E+00	6.47E-01
				I-131	<8.36E+00	0.00E+00	8.36E+00
				Cs-134	<9.00E+00	0.00E+00	9.00E+00
				Cs-137	<8.83E+00	0.00E+00	8.83E+00
				BaLa-140	<1.08E+01	0.00E+00	1.08E+01
				Be-7	<8.14E+01	0.00E+00	8.14E+01
				K-40	1.54E+03	1.24E+02	1.14E+02

Sample ID:	280772	Sample Dates:	2/3/2014 - 2/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<4.31E+00	0.00E+00	4.31E+00
				K-40	1.35E+01	3.74E+00	6.08E+00
				LLI-131	<5.58E-01	0.00E+00	5.58E-01
				I-131	<8.79E+00	0.00E+00	8.79E+00
				Cs-134	<6.70E+00	0.00E+00	6.70E+00
				Cs-137	<7.95E+00	0.00E+00	7.95E+00
				BaLa-140	<1.20E+01	0.00E+00	1.20E+01
				Be-7	<5.71E+01	0.00E+00	5.71E+01
				K-40	1.46E+03	1.13E+02	1.06E+02

Sample ID:	282826	Sample Dates:	3/3/2014 - 3/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<4.33E+00	0.00E+00	4.33E+00
				K-40	1.77E+01	3.97E+00	6.74E+00
				LLI-131	<6.10E-01	0.00E+00	6.10E-01
				I-131	<3.26E+00	0.00E+00	3.26E+00
				Cs-134	<2.40E+00	0.00E+00	2.40E+00
				Cs-137	<3.36E+00	0.00E+00	3.36E+00
				BaLa-140	<2.68E+00	0.00E+00	2.68E+00
				Be-7	<2.12E+01	0.00E+00	2.12E+01
				K-40	1.50E+03	4.13E+01	2.39E+01

Sample ID:	285689	Sample Dates:	4/7/2014 - 4/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<3.45E+00	0.00E+00	3.45E+00
				K-40	2.16E+01	4.61E+00	5.06E+00
				LLI-131	<4.96E-01	0.00E+00	4.96E-01
				I-131	<6.78E+00	0.00E+00	6.78E+00
				Cs-134	<5.43E+00	0.00E+00	5.43E+00
				Cs-137	<6.84E+00	0.00E+00	6.84E+00
				BaLa-140	<5.64E+00	0.00E+00	5.64E+00
				Be-7	<5.08E+01	0.00E+00	5.08E+01
				K-40	1.49E+03	7.95E+01	4.36E+01

Sample ID:	289217	Sample Dates:	5/5/2014 - 5/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<3.80E+00	0.00E+00	3.80E+00
				K-40	4.43E+01	3.89E+00	5.82E+00
				LLI-131	<5.53E-01	0.00E+00	5.53E-01
				I-131	<8.32E+00	0.00E+00	8.32E+00
				Cs-134	<8.18E+00	0.00E+00	8.18E+00
				Cs-137	<1.01E+01	0.00E+00	1.01E+01
				BaLa-140	<9.17E+00	0.00E+00	9.17E+00
				Be-7	<5.88E+01	0.00E+00	5.88E+01
				K-40	1.61E+03	1.19E+02	1.29E+02

Sample ID:	292970	Sample Dates:	6/2/2014 - 6/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<4.57E+00	0.00E+00	4.57E+00
				K-40	<1.40E+01	0.00E+00	1.40E+01
				LLI-131	<6.22E-01	0.00E+00	6.22E-01
				I-131	<6.60E+00	0.00E+00	6.60E+00
				Cs-134	<5.75E+00	0.00E+00	5.75E+00
				Cs-137	<6.57E+00	0.00E+00	6.57E+00

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 5 [ CONTROL - WNW @ 12 miles ]

Sample ID: 292970	Sample Dates: 6/2/2014 - 6/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		BaLa-140	<5.49E+00	0.00E+00	5.49E+00
		Be-7	<4.83E+01	0.00E+00	4.83E+01
		K-40	1.48E+03	8.27E+01	5.03E+01
Sample ID: 295904	Sample Dates: 7/1/2014 - 7/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<3.03E+00	0.00E+00	3.03E+00
		K-40	2.28E+01	4.07E+00	4.62E+00
		LLI-131	<5.62E-01	0.00E+00	5.62E-01
		I-131	<5.86E+00	0.00E+00	5.86E+00
		Cs-134	<4.94E+00	0.00E+00	4.94E+00
		Cs-137	<6.16E+00	0.00E+00	6.16E+00
		BaLa-140	<5.88E+00	0.00E+00	5.88E+00
		Be-7	<4.57E+01	0.00E+00	4.57E+01
Sample ID: 297386	Sample Dates: 8/4/2014 - 8/4/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<6.17E-01	0.00E+00	6.17E-01
		I-131	<8.92E+00	0.00E+00	8.92E+00
		Cs-134	<7.92E+00	0.00E+00	7.92E+00
		Cs-137	<8.55E+00	0.00E+00	8.55E+00
		BaLa-140	<8.10E+00	0.00E+00	8.10E+00
		Be-7	<6.83E+01	0.00E+00	6.83E+01
		K-40	1.41E+03	2.54E+02	1.32E+02
Sample ID: 351218	Sample Dates: 9/2/2014 - 9/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<6.40E-01	0.00E+00	6.40E-01
		I-131	<9.48E+00	0.00E+00	9.48E+00
		Cs-134	<1.03E+01	0.00E+00	1.03E+01
		Cs-137	<1.18E+01	0.00E+00	1.18E+01
		BaLa-140	<2.95E+00	0.00E+00	2.95E+00
		Be-7	<7.12E+01	0.00E+00	7.12E+01
		K-40	1.53E+03	2.71E+02	1.59E+02
Sample ID: 351593	Sample Dates: 10/6/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<6.24E-01	0.00E+00	6.24E-01
		I-131	<8.14E+00	0.00E+00	8.14E+00
		Cs-134	<9.89E+00	0.00E+00	9.89E+00
		Cs-137	<6.72E+00	0.00E+00	6.72E+00
		BaLa-140	<7.21E+00	0.00E+00	7.21E+00
		Be-7	<5.47E+01	0.00E+00	5.47E+01
		K-40	1.54E+03	2.16E+02	6.76E+01
Sample ID: 355119	Sample Dates: 11/3/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<6.28E-01	0.00E+00	6.28E-01
		I-131	<6.91E+00	0.00E+00	6.91E+00
		Cs-134	<6.13E+00	0.00E+00	6.13E+00
		Cs-137	<6.33E+00	0.00E+00	6.33E+00
		BaLa-140	<6.28E+00	0.00E+00	6.28E+00
		Be-7	<4.98E+01	0.00E+00	4.98E+01
		K-40	1.54E+03	2.07E+02	8.13E+01
Sample ID: 357960	Sample Dates: 12/1/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<5.82E-01	0.00E+00	5.82E-01
		I-131	<9.88E+00	0.00E+00	9.88E+00
		Cs-134	<1.07E+01	0.00E+00	1.07E+01
		Cs-137	<7.14E+00	0.00E+00	7.14E+00
		BaLa-140	<1.02E+01	0.00E+00	1.02E+01
		Be-7	<7.95E+01	0.00E+00	7.95E+01
		K-40	1.49E+03	2.56E+02	8.64E+01

Media Type: SEDIMENT\_BOTTOM Concentration (Activity): pCi/kg dry

Sample Point 52 [ INDICATOR - S @ 3.8 miles ]

Sample ID: 282791	Sample Dates: 1/20/2014 - 1/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Mn-54	<1.02E+01	0.00E+00	1.02E+01
		Co-58	2.01E+01	5.80E+00	1.08E+01
		Fe-59	<2.40E+01	0.00E+00	2.40E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



## HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

Media Type: SEDIMENT\_BOTTOM Concentration (Activity): pCi/kg dry

Sample Point 52 [ INDICATOR - S @ 3.8 miles ]

Sample ID:	282791	Sample Dates:	1/20/2014 - 1/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Co-60	7.68E+01	8.93E+00	1.06E+01
				Zn-65	<2.39E+01	0.00E+00	2.39E+01
				Zr-95	<2.04E+01	0.00E+00	2.04E+01
				Nb-95	<1.17E+01	0.00E+00	1.17E+01
				I-131	<1.66E+01	0.00E+00	1.66E+01
				Cs-134	<9.22E+00	0.00E+00	9.22E+00
				Cs-137	3.39E+01	5.45E+00	1.04E+01
				Be-7	1.08E+02	4.06E+01	8.17E+01
				K-40	6.68E+03	1.63E+02	8.25E+01
				Co-57	<8.46E+00	0.00E+00	8.46E+00
				Mo-99	<4.19E+02	0.00E+00	4.19E+02
				Ag-110M	<9.53E+00	0.00E+00	9.53E+00
				Sb-122	<7.99E+01	0.00E+00	7.99E+01
				Sb-125	<2.90E+01	0.00E+00	2.90E+01

Sample ID:	354865	Sample Dates:	9/2/2014 - 9/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<8.27E+01	0.00E+00	8.27E+01
				Co-58	<8.26E+01	0.00E+00	8.26E+01
				Fe-59	<1.84E+02	0.00E+00	1.84E+02
				Co-60	7.86E+02	1.53E+02	7.14E+01
				Zn-65	<1.59E+02	0.00E+00	1.59E+02
				Zr-95	<1.30E+02	0.00E+00	1.30E+02
				Nb-95	<8.32E+01	0.00E+00	8.32E+01
				I-131	<1.01E+02	0.00E+00	1.01E+02
				Cs-134	<1.02E+02	0.00E+00	1.02E+02
				Cs-137	2.18E+02	9.34E+01	1.28E+02
				Be-7	<5.54E+02	0.00E+00	5.54E+02
				K-40	1.13E+04	1.97E+03	1.15E+03
				Co-57	<4.86E+01	0.00E+00	4.86E+01
				Mo-99	<3.42E+03	0.00E+00	3.42E+03
				Ag-110M	<6.64E+01	0.00E+00	6.64E+01
				Sb-122	<3.66E+02	0.00E+00	3.66E+02
				Sb-125	<2.07E+02	0.00E+00	2.07E+02

Media Type: SEDIMENT\_SHORE Concentration (Activity): pCi/kg dry

Sample Point 26 [ INDICATOR - S @ 4.6 miles ]

Sample ID:	282789	Sample Dates:	1/20/2014 - 1/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<1.98E+01	0.00E+00	1.98E+01
				Co-58	<1.61E+01	0.00E+00	1.61E+01
				Fe-59	<4.93E+01	0.00E+00	4.93E+01
				Co-60	<2.19E+01	0.00E+00	2.19E+01
				Zn-65	<5.44E+01	0.00E+00	5.44E+01
				Zr-95	<3.38E+01	0.00E+00	3.38E+01
				Nb-95	<2.05E+01	0.00E+00	2.05E+01
				I-131	<2.93E+01	0.00E+00	2.93E+01
				Cs-134	<1.78E+01	0.00E+00	1.78E+01
				Cs-137	<1.92E+01	0.00E+00	1.92E+01
				Be-7	2.57E+02	7.59E+01	1.37E+02
				K-40	9.80E+03	3.70E+02	1.95E+02
				Co-57	<1.59E+01	0.00E+00	1.59E+01
				Mo-99	<8.23E+02	0.00E+00	8.23E+02
				Ag-110M	<1.92E+01	0.00E+00	1.92E+01
				Sb-122	<1.32E+02	0.00E+00	1.32E+02
				Sb-125	<4.59E+01	0.00E+00	4.59E+01

Sample ID:	354867	Sample Dates:	9/2/2014 - 9/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<2.21E+01	0.00E+00	2.21E+01
				Co-58	<2.17E+01	0.00E+00	2.17E+01
				Fe-59	<7.10E+01	0.00E+00	7.10E+01
				Co-60	<3.15E+01	0.00E+00	3.15E+01
				Zn-65	<5.07E+01	0.00E+00	5.07E+01
				Zr-95	<4.14E+01	0.00E+00	4.14E+01
				Nb-95	<2.90E+01	0.00E+00	2.90E+01
				I-131	<5.49E+01	0.00E+00	5.49E+01
				Cs-134	<3.20E+01	0.00E+00	3.20E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

Media Type: SEDIMENT\_SHORE Concentration (Activity): pCi/kg dry

Sample Point 26 [ INDICATOR - S @ 4.6 miles ]

Sample ID:	354867	Sample Dates:	9/2/2014 - 9/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Cs-137	<2.09E+01	0.00E+00	2.09E+01
				Be-7	2.61E+02	1.72E+02	2.61E+02
				K-40	1.07E+04	1.19E+03	2.98E+02
				Co-57	<1.91E+01	0.00E+00	1.91E+01
				Mo-99	<5.74E+03	0.00E+00	5.74E+03
				Ag-110M	<2.26E+01	0.00E+00	2.26E+01
				Sb-122	<8.71E+02	0.00E+00	8.71E+02
				Sb-125	<5.76E+01	0.00E+00	5.76E+01

Sample Point 41 [ INDICATOR - S @ 3.8 miles ]

Sample ID:	282790	Sample Dates:	1/20/2014 - 1/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<1.70E+01	0.00E+00	1.70E+01
				Co-58	<1.90E+01	0.00E+00	1.90E+01
				Fe-59	<4.36E+01	0.00E+00	4.36E+01
				Co-60	<1.79E+01	0.00E+00	1.79E+01
				Zn-65	<3.71E+01	0.00E+00	3.71E+01
				Zr-95	<3.26E+01	0.00E+00	3.26E+01
				Nb-95	<1.47E+01	0.00E+00	1.47E+01
				I-131	<2.40E+01	0.00E+00	2.40E+01
				Cs-134	<1.42E+01	0.00E+00	1.42E+01
				Cs-137	<1.42E+01	0.00E+00	1.42E+01
				Be-7	<1.33E+02	0.00E+00	1.33E+02
				K-40	5.26E+03	2.54E+02	1.42E+02
				Co-57	<1.19E+01	0.00E+00	1.19E+01
				Mo-99	<7.47E+02	0.00E+00	7.47E+02
				Ag-110M	<1.53E+01	0.00E+00	1.53E+01
				Sb-122	<1.12E+02	0.00E+00	1.12E+02
				Sb-125	<2.99E+01	0.00E+00	2.99E+01

Sample ID:	354866	Sample Dates:	9/2/2014 - 9/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Mn-54	<3.26E+01	0.00E+00	3.26E+01
				Co-58	<3.64E+01	0.00E+00	3.64E+01
				Fe-59	<1.10E+02	0.00E+00	1.10E+02
				Co-60	<4.86E+01	0.00E+00	4.86E+01
				Zn-65	<8.43E+01	0.00E+00	8.43E+01
				Zr-95	<6.55E+01	0.00E+00	6.55E+01
				Nb-95	<4.19E+01	0.00E+00	4.19E+01
				I-131	<3.95E+01	0.00E+00	3.95E+01
				Cs-134	<4.10E+01	0.00E+00	4.10E+01
				Cs-137	<3.35E+01	0.00E+00	3.35E+01
				Be-7	<2.98E+02	0.00E+00	2.98E+02
				K-40	1.08E+04	1.48E+03	6.03E+02
				Co-57	<2.66E+01	0.00E+00	2.66E+01
				Mo-99	<7.11E+02	0.00E+00	7.11E+02
				Ag-110M	<3.13E+01	0.00E+00	3.13E+01
				Sb-122	<1.66E+02	0.00E+00	1.66E+02
				Sb-125	<7.23E+01	0.00E+00	7.23E+01

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

Sample Point 26 [ INDICATOR - S @ 4.7 miles ]

Sample ID:	281703	Sample Dates:	12/30/2013 - 1/13/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<2.63E+00	0.00E+00	2.63E+00
				K-40	3.98E+01	2.81E+00	3.71E+00
				LLI-131	<6.53E-01	0.00E+00	6.53E-01

Sample ID:	283028	Sample Dates:	1/13/2014 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Be-7	<2.32E+00	0.00E+00	2.32E+00
				K-40	3.64E+01	2.84E+00	3.24E+00
				LLI-131	<5.78E-01	0.00E+00	5.78E-01

Sample ID:	283032	Sample Dates:	12/30/2013 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	4.80E+00	4.72E-01	1.24E+00
				Mn-54	<3.90E+00	0.00E+00	3.90E+00
				Co-58	<3.64E+00	0.00E+00	3.64E+00
				Fe-59	<8.83E+00	0.00E+00	8.83E+00

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 26 [ INDICATOR - S @ 4.7 miles ]

Sample ID: 283032	Sample Dates: 12/30/2013 - 1/27/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Co-60	<4.74E+00	0.00E+00	4.74E+00
		Zn-65	<9.95E+00	0.00E+00	9.95E+00
		Zr-95	<7.04E+00	0.00E+00	7.04E+00
		Nb-95	<6.03E+00	0.00E+00	6.03E+00
		I-131	<1.45E+01	0.00E+00	1.45E+01
		Cs-134	<4.07E+00	0.00E+00	4.07E+00
		Cs-137	<4.02E+00	0.00E+00	4.02E+00
		BaLa-140	<8.43E+00	0.00E+00	8.43E+00
		Be-7	<4.04E+01	0.00E+00	4.04E+01
		K-40	<8.00E+01	0.00E+00	8.00E+01
Sample ID: 284715	Sample Dates: 1/27/2014 - 2/10/2014	H3SW	8.79E+03	1.31E+02	1.53E+02
		Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<2.15E+00	0.00E+00	2.15E+00
		K-40	1.45E+01	1.76E+00	2.64E+00
Sample ID: 286053	Sample Dates: 2/10/2014 - 2/24/2014	LLI-131	<4.67E-01	0.00E+00	4.67E-01
		Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<2.08E+00	0.00E+00	2.08E+00
		K-40	1.53E+01	2.02E+00	2.49E+00
Sample ID: 286057	Sample Dates: 1/27/2014 - 2/24/2014	LLI-131	<5.25E-01	0.00E+00	5.25E-01
		Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	5.22E+00	4.62E-01	1.17E+00
		Mn-54	<3.59E+00	0.00E+00	3.59E+00
Sample ID: 287392	Sample Dates: 2/24/2014 - 3/10/2014	Co-58	<4.63E+00	0.00E+00	4.63E+00
		Fe-59	<9.73E+00	0.00E+00	9.73E+00
		Co-60	<4.73E+00	0.00E+00	4.73E+00
		Zn-65	<7.35E+00	0.00E+00	7.35E+00
		Zr-95	<7.86E+00	0.00E+00	7.86E+00
		Nb-95	<4.63E+00	0.00E+00	4.63E+00
		I-131	<1.45E+01	0.00E+00	1.45E+01
		Cs-134	<3.70E+00	0.00E+00	3.70E+00
		Cs-137	<3.28E+00	0.00E+00	3.28E+00
		BaLa-140	<1.13E+01	0.00E+00	1.13E+01
		Be-7	<3.86E+01	0.00E+00	3.86E+01
		K-40	1.18E+02	1.85E+01	3.15E+01
		H3SW	8.07E+03	1.25E+02	1.52E+02
		Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
Sample ID: 289229	Sample Dates: 3/10/2014 - 3/24/2014	Be-7	<1.64E+00	0.00E+00	1.64E+00
		K-40	1.90E+01	1.61E+00	1.86E+00
		LLI-131	<6.38E-01	0.00E+00	6.38E-01
		Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
Sample ID: 289233	Sample Dates: 2/24/2014 - 3/24/2014	Be-7	<2.30E+00	0.00E+00	2.30E+00
		K-40	1.49E+01	1.86E+00	3.10E+00
		LLI-131	<5.42E-01	0.00E+00	5.42E-01
		Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
Sample ID: 290003	Sample Dates: 3/24/2014 - 4/7/2014	Beta	4.78E+00	4.47E-01	1.14E+00
		Mn-54	<2.06E+00	0.00E+00	2.06E+00
		Co-58	<2.35E+00	0.00E+00	2.35E+00
		Fe-59	<5.69E+00	0.00E+00	5.69E+00
		Co-60	<2.30E+00	0.00E+00	2.30E+00
		Zn-65	<5.58E+00	0.00E+00	5.58E+00
		Zr-95	<4.95E+00	0.00E+00	4.95E+00
		Nb-95	<3.58E+00	0.00E+00	3.58E+00
		I-131	<1.07E+01	0.00E+00	1.07E+01
		Cs-134	<2.31E+00	0.00E+00	2.31E+00
		Cs-137	<2.38E+00	0.00E+00	2.38E+00
		BaLa-140	<6.86E+00	0.00E+00	6.86E+00
		Be-7	<2.50E+01	0.00E+00	2.50E+01
		K-40	1.64E+02	1.82E+01	2.35E+01
		H3SW	7.14E+03	1.31E+02	1.87E+02
Sample ID: 290003	Sample Dates: 3/24/2014 - 4/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<2.54E+00	0.00E+00	2.54E+00

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 26 [ INDICATOR - S @ 4.7 miles ]

Sample ID: 290003	Sample Dates: 3/24/2014 - 4/7/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		K-40	3.65E+01	2.76E+00	2.93E+00
		LLI-131	<5.74E-01	0.00E+00	5.74E-01
Sample ID: 292888	Sample Dates: 4/7/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<2.53E+00	0.00E+00	2.53E+00
		K-40	1.14E+01	2.56E+00	3.05E+00
		LLI-131	<5.87E-01	0.00E+00	5.87E-01
Sample ID: 292892	Sample Dates: 3/24/2014 - 4/21/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	4.18E+00	5.00E-01	1.44E+00
		Mn-54	<3.17E+00	0.00E+00	3.17E+00
		Co-58	<4.40E+00	0.00E+00	4.40E+00
		Fe-59	<8.25E+00	0.00E+00	8.25E+00
		Co-60	<3.68E+00	0.00E+00	3.68E+00
		Zn-65	<6.63E+00	0.00E+00	6.63E+00
		Zr-95	<6.44E+00	0.00E+00	6.44E+00
		Nb-95	<4.24E+00	0.00E+00	4.24E+00
		I-131	<1.43E+01	0.00E+00	1.43E+01
		Cs-134	<3.38E+00	0.00E+00	3.38E+00
		Cs-137	<3.82E+00	0.00E+00	3.82E+00
		BaLa-140	<1.08E+01	0.00E+00	1.08E+01
		Be-7	<3.44E+01	0.00E+00	3.44E+01
		K-40	<2.16E+01	0.00E+00	2.16E+01
		H3SW	6.05E+03	1.24E+02	1.90E+02
Sample ID: 294856	Sample Dates: 4/21/2014 - 5/5/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<2.65E+00	0.00E+00	2.65E+00
		K-40	3.81E+01	3.35E+00	3.51E+00
		LLI-131	<6.42E-01	0.00E+00	6.42E-01
Sample ID: 295635	Sample Dates: 5/5/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<2.73E+00	0.00E+00	2.73E+00
		K-40	3.68E+01	3.07E+00	3.62E+00
		LLI-131	<6.07E-01	0.00E+00	6.07E-01
Sample ID: 295639	Sample Dates: 4/21/2014 - 5/19/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	3.61E+00	4.38E-01	1.21E+00
		Mn-54	<3.11E+00	0.00E+00	3.11E+00
		Co-58	<3.68E+00	0.00E+00	3.68E+00
		Fe-59	<8.42E+00	0.00E+00	8.42E+00
		Co-60	<4.01E+00	0.00E+00	4.01E+00
		Zn-65	<7.14E+00	0.00E+00	7.14E+00
		Zr-95	<6.76E+00	0.00E+00	6.76E+00
		Nb-95	<5.19E+00	0.00E+00	5.19E+00
		I-131	<1.28E+01	0.00E+00	1.28E+01
		Cs-134	<3.08E+00	0.00E+00	3.08E+00
		Cs-137	<4.01E+00	0.00E+00	4.01E+00
		BaLa-140	<1.08E+01	0.00E+00	1.08E+01
		Be-7	<3.39E+01	0.00E+00	3.39E+01
		K-40	7.84E+01	1.80E+01	3.60E+01
		H3SW	5.70E+03	1.22E+02	1.93E+02
Sample ID: 296318	Sample Dates: 5/19/2014 - 6/2/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<2.00E+00	0.00E+00	2.00E+00
		K-40	8.23E+00	2.29E+00	3.43E+00
		LLI-131	<4.69E-01	0.00E+00	4.69E-01
Sample ID: 297117	Sample Dates: 6/2/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<2.50E+00	0.00E+00	2.50E+00
		K-40	2.13E+01	2.76E+00	2.94E+00
		LLI-131	<6.06E-01	0.00E+00	6.06E-01
Sample ID: 297121	Sample Dates: 5/19/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	3.88E+00	4.54E-01	1.25E+00
		Mn-54	<3.71E+00	0.00E+00	3.71E+00
		Co-58	<4.03E+00	0.00E+00	4.03E+00
		Fe-59	<8.04E+00	0.00E+00	8.04E+00
		Co-60	<3.76E+00	0.00E+00	3.76E+00

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 26 [ INDICATOR - S @ 4.7 miles ]

Sample ID: 297121	Sample Dates: 5/19/2014 - 6/16/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Zn-65	<6.70E+00	0.00E+00	6.70E+00
		Zr-95	<5.75E+00	0.00E+00	5.75E+00
		Nb-95	<4.62E+00	0.00E+00	4.62E+00
		I-131	<1.36E+01	0.00E+00	1.36E+01
		Cs-134	<3.02E+00	0.00E+00	3.02E+00
		Cs-137	<3.82E+00	0.00E+00	3.82E+00
		BaLa-140	<8.22E+00	0.00E+00	8.22E+00
		Be-7	<3.30E+01	0.00E+00	3.30E+01
		K-40	1.11E+02	2.23E+01	3.38E+01
Sample ID: 297733	Sample Dates: 6/16/2014 - 6/30/2014	H3SW	4.46E+03	1.14E+02	2.04E+02
		Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Be-7	<2.54E+00	0.00E+00	2.54E+00
		K-40	4.58E+01	2.71E+00	3.26E+00
Sample ID: 350091	Sample Dates: 6/30/2014 - 7/14/2014	LLI-131	<5.48E-01	0.00E+00	5.48E-01
		Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<5.94E-01	0.00E+00	5.94E-01
Sample ID: 350095	Sample Dates: 6/16/2014 - 7/14/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	4.43E+00	9.64E-01	1.35E+00
		Mn-54	<1.75E+00	0.00E+00	1.75E+00
		Co-58	<1.85E+00	0.00E+00	1.85E+00
		Fe-59	<4.42E+00	0.00E+00	4.42E+00
		Co-60	<1.99E+00	0.00E+00	1.99E+00
		Zn-65	<3.51E+00	0.00E+00	3.51E+00
		Zr-95	<3.64E+00	0.00E+00	3.64E+00
		Nb-95	<2.61E+00	0.00E+00	2.61E+00
		I-131	<1.15E+01	0.00E+00	1.15E+01
		Cs-134	<1.67E+00	0.00E+00	1.67E+00
		Cs-137	<2.10E+00	0.00E+00	2.10E+00
		BaLa-140	<6.03E+00	0.00E+00	6.03E+00
		Be-7	<1.99E+01	0.00E+00	1.99E+01
		K-40	9.38E+01	2.13E+01	2.42E+01
Sample ID: 350705	Sample Dates: 7/14/2014 - 7/28/2014	H3SW	4.41E+03	2.12E+02	1.87E+02
		Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
Sample ID: 351576	Sample Dates: 7/28/2014 - 8/11/2014	LLI-131	<5.53E-01	0.00E+00	5.53E-01
		Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
Sample ID: 351578	Sample Dates: 7/14/2014 - 8/11/2014	LLI-131	<6.08E-01	0.00E+00	6.08E-01
		Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
Sample ID: 354039	Sample Dates: 8/11/2014 - 8/25/2014	Beta	3.35E+00	8.91E-01	1.31E+00
		Mn-54	<2.66E+00	0.00E+00	2.66E+00
		Co-58	<3.31E+00	0.00E+00	3.31E+00
		Fe-59	<6.07E+00	0.00E+00	6.07E+00
		Co-60	<2.90E+00	0.00E+00	2.90E+00
		Zn-65	<6.29E+00	0.00E+00	6.29E+00
		Zr-95	<5.86E+00	0.00E+00	5.86E+00
		Nb-95	<3.45E+00	0.00E+00	3.45E+00
		I-131	<1.05E+01	0.00E+00	1.05E+01
		Cs-134	<2.14E+00	0.00E+00	2.14E+00
		Cs-137	<3.24E+00	0.00E+00	3.24E+00
		BaLa-140	<7.45E+00	0.00E+00	7.45E+00
		Be-7	<3.30E+01	0.00E+00	3.30E+01
		K-40	2.90E+01	2.25E+01	3.24E+01
		H3SW	3.99E+03	2.10E+02	1.98E+02
Sample ID: 354021	Sample Dates: 8/25/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<6.06E-01	0.00E+00	6.06E-01
Sample ID: 354797	Sample Dates: 8/11/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	3.40E+00	9.76E-01	1.48E+00
		Mn-54	<3.74E+00	0.00E+00	3.74E+00

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.





# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 26 [ INDICATOR - S @ 4.7 miles ]

Sample ID:	354797	Sample Dates:	8/11/2014 - 9/8/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Co-58	<3.34E+00	0.00E+00	3.34E+00
				Fe-59	<8.32E+00	0.00E+00	8.32E+00
				Co-60	<3.62E+00	0.00E+00	3.62E+00
				Zn-65	<5.95E+00	0.00E+00	5.95E+00
				Zr-95	<6.36E+00	0.00E+00	6.36E+00
				Nb-95	<4.51E+00	0.00E+00	4.51E+00
				I-131	<1.17E+01	0.00E+00	1.17E+01
				Cs-134	<4.24E+00	0.00E+00	4.24E+00
				Cs-137	<3.68E+00	0.00E+00	3.68E+00
				BaLa-140	<7.50E+00	0.00E+00	7.50E+00
				Be-7	<2.69E+01	0.00E+00	2.69E+01
				K-40	8.65E+01	3.62E+01	4.70E+01
				H3SW	3.87E+03	2.02E+02	1.86E+02
Sample ID:	355681	Sample Dates:	9/8/2014 - 9/22/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				LLI-131	<5.73E-01	0.00E+00	5.73E-01
Sample ID:	357084	Sample Dates:	9/22/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				LLI-131	<6.48E-01	0.00E+00	6.48E-01
Sample ID:	357088	Sample Dates:	9/8/2014 - 10/6/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	5.50E+00	9.20E-01	1.18E+00
				Mn-54	<3.37E+00	0.00E+00	3.37E+00
				Co-58	<3.01E+00	0.00E+00	3.01E+00
				Fe-59	<7.39E+00	0.00E+00	7.39E+00
				Co-60	<3.51E+00	0.00E+00	3.51E+00
				Zn-65	<7.20E+00	0.00E+00	7.20E+00
				Zr-95	<7.19E+00	0.00E+00	7.19E+00
				Nb-95	<4.25E+00	0.00E+00	4.25E+00
				I-131	<1.20E+01	0.00E+00	1.20E+01
				Cs-134	<3.52E+00	0.00E+00	3.52E+00
				Cs-137	<2.88E+00	0.00E+00	2.88E+00
				BaLa-140	<7.68E+00	0.00E+00	7.68E+00
				Be-7	<2.99E+01	0.00E+00	2.99E+01
				K-40	1.07E+02	3.62E+01	4.39E+01
				H3SW	3.68E+03	2.01E+02	1.92E+02
Sample ID:	358632	Sample Dates:	10/6/2014 - 10/20/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				LLI-131	<6.00E-01	0.00E+00	6.00E-01
Sample ID:	359997	Sample Dates:	10/20/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				LLI-131	<6.14E-01	0.00E+00	6.14E-01
Sample ID:	359998	Sample Dates:	10/6/2014 - 11/3/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	4.04E+00	9.23E-01	1.31E+00
				Mn-54	<2.85E+00	0.00E+00	2.85E+00
				Co-58	<4.05E+00	0.00E+00	4.05E+00
				Fe-59	<7.16E+00	0.00E+00	7.16E+00
				Co-60	<3.08E+00	0.00E+00	3.08E+00
				Zn-65	<7.82E+00	0.00E+00	7.82E+00
				Zr-95	<5.97E+00	0.00E+00	5.97E+00
				Nb-95	<4.68E+00	0.00E+00	4.68E+00
				I-131	<1.17E+01	0.00E+00	1.17E+01
				Cs-134	<3.85E+00	0.00E+00	3.85E+00
				Cs-137	<3.26E+00	0.00E+00	3.26E+00
				BaLa-140	<7.66E+00	0.00E+00	7.66E+00
				Be-7	<2.80E+01	0.00E+00	2.80E+01
				K-40	7.00E+01	3.62E+01	5.22E+01
				H3SW	4.64E+03	2.16E+02	1.85E+02
Sample ID:	361550	Sample Dates:	11/3/2014 - 11/17/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				LLI-131	<5.58E-01	0.00E+00	5.58E-01
Sample ID:	362750	Sample Dates:	11/17/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				LLI-131	<6.50E-01	0.00E+00	6.50E-01
Sample ID:	362751	Sample Dates:	11/3/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
				Beta	4.68E+00	9.04E-01	1.22E+00

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 26 [ INDICATOR - S @ 4.7 miles ]

Sample ID: 362751	Sample Dates: 11/3/2014 - 12/1/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Mn-54	<1.68E+00	0.00E+00	1.68E+00
		Co-58	<1.84E+00	0.00E+00	1.84E+00
		Fe-59	<3.97E+00	0.00E+00	3.97E+00
		Co-60	<1.27E+00	0.00E+00	1.27E+00
		Zn-65	<3.37E+00	0.00E+00	3.37E+00
		Zr-95	<3.61E+00	0.00E+00	3.61E+00
		Nb-95	<2.48E+00	0.00E+00	2.48E+00
		I-131	<1.20E+01	0.00E+00	1.20E+01
		Cs-134	<1.74E+00	0.00E+00	1.74E+00
		Cs-137	<1.87E+00	0.00E+00	1.87E+00
		BaLa-140	<5.91E+00	0.00E+00	5.91E+00
		Be-7	<1.57E+01	0.00E+00	1.57E+01
		K-40	4.82E+01	1.96E+01	2.74E+01
		H3SW	4.53E+03	2.13E+02	1.83E+02
Sample ID: 363946	Sample Dates: 12/1/2014 - 12/15/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<3.97E-01	0.00E+00	3.97E-01
Sample ID: 364758	Sample Dates: 12/15/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		LLI-131	<6.12E-01	0.00E+00	6.12E-01
Sample ID: 364759	Sample Dates: 12/1/2014 - 12/29/2014	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
		Beta	3.65E+00	9.35E-01	1.39E+00
		Mn-54	<2.07E+00	0.00E+00	2.07E+00
		Co-58	<2.13E+00	0.00E+00	2.13E+00
		Fe-59	<4.47E+00	0.00E+00	4.47E+00
		Co-60	<2.17E+00	0.00E+00	2.17E+00
		Zn-65	<3.91E+00	0.00E+00	3.91E+00
		Zr-95	<3.71E+00	0.00E+00	3.71E+00
		Nb-95	<2.82E+00	0.00E+00	2.82E+00
		I-131	<1.08E+01	0.00E+00	1.08E+01
		Cs-134	<2.19E+00	0.00E+00	2.19E+00
		Cs-137	<1.53E+00	0.00E+00	1.53E+00
		BaLa-140	<7.61E+00	0.00E+00	7.61E+00
		Be-7	<1.94E+01	0.00E+00	1.94E+01
		K-40	2.40E+01	2.47E+00	1.02E+01
		H3SW	5.39E+03	2.38E+02	2.01E+02

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

Sample Point 1 [ INDICATOR - N @ 2.6 miles ]

TLD RING TLD\_INNER

Sample ID:	289694	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	17.69
Sample ID:	298028	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	14.60
Sample ID:	365545	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	13.72
Sample ID:	362458	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	18.15
Sample Point 2 [ INDICATOR - NNE @ 1.4 miles ]					TLD RING TLD_INNER
Sample ID:	289698	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	16.98
Sample ID:	298032	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	13.04
Sample ID:	365546	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	14.58
Sample ID:	362466	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	15.21

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



## HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 3 [ INDICATOR - ENE @ 1.9 miles ]

TLD RING TLD\_INNER

Sample ID:	289606	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	16.83
Sample ID:	297939	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	12.50
Sample ID:	365547	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	11.84
Sample ID:	362477	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	16.19

Sample Point 4 [ INDICATOR - NNE @ 3.1 miles ]

TLD RING TLD\_SPEC

Sample ID:	289607	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	15.10
Sample ID:	297940	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	12.26
Sample ID:	365548	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	11.52
Sample ID:	362486	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	13.67

Sample Point 5 [ CONTROL - WNW @ 12 miles ]

TLD RING TLD\_CTRL

Sample ID:	289608	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	20.46
Sample ID:	297941	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	16.60
Sample ID:	365549	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	16.78
Sample ID:	362489	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	18.92

Sample Point 6 [ INDICATOR - ENE @ 0.8 miles ]

TLD RING TLD\_INNER

Sample ID:	289609	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	17.98
Sample ID:	297942	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	13.32
Sample ID:	365550	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	13.11
Sample ID:	362493	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	16.40

Sample Point 7 [ INDICATOR - E @ 0.7 miles ]

TLD RING TLD\_INNER

Sample ID:	289610	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	16.50
Sample ID:	297943	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	12.80
Sample ID:	365551	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	14.28
Sample ID:	362496	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	16.84

Sample Point 8 [ INDICATOR - ESE @ 0.6 miles ]

TLD RING TLD\_INNER

Sample ID:	289611	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	15.78

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



## HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 8 [ INDICATOR - ESE @ 0.6 miles ]

TLD RING TLD\_INNER

Sample ID:	297944	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	13.50
Sample ID:	365552	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	14.78
Sample ID:	362497	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	17.65

Sample Point 9 [ INDICATOR - SE @ 2.2 miles ]

TLD RING TLD\_INNER

Sample ID:	289640	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	15.61
Sample ID:	297973	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	10.52
Sample ID:	365553	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	11.37
Sample ID:	362498	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	12.79

Sample Point 10 [ INDICATOR - SSE @ 2.2 miles ]

TLD RING TLD\_INNER

Sample ID:	289641	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	14.19
Sample ID:	297974	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	10.55
Sample ID:	365554	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	10.44
Sample ID:	362459	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	16.69

Sample Point 11 [ INDICATOR - S @ 0.6 miles ]

TLD RING TLD\_INNER

Sample ID:	289642	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	14.79
Sample ID:	297975	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	14.45
Sample ID:	365555	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	10.86
Sample ID:	362460	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	13.83

Sample Point 12 [ INDICATOR - SSW @ 0.9 miles ]

TLD RING TLD\_INNER

Sample ID:	289643	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	14.29
Sample ID:	297976	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	10.23
Sample ID:	365556	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	11.05
Sample ID:	362461	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	13.68

Sample Point 13 [ INDICATOR - WSW @ 0.7 miles ]

TLD RING TLD\_INNER

Sample ID:	289644	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	16.55
Sample ID:	297977	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	14.23

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



## HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 13 [ INDICATOR - WSW @ 0.7 miles ]

TLD RING TLD\_INNER

Sample ID:	365557	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	11.76
Sample ID:	362462	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	15.10

Sample Point 14 [ INDICATOR - W @ 1.5 miles ]

TLD RING TLD\_INNER

Sample ID:	289645	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	19.46
Sample ID:	297978	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	13.62
Sample ID:	365558	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	14.76
Sample ID:	362463	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	18.36

Sample Point 15 [ INDICATOR - W @ 2 miles ]

TLD RING TLD\_INNER

Sample ID:	289646	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	15.13
Sample ID:	297979	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	10.71
Sample ID:	365559	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	10.14
Sample ID:	362464	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	13.76

Sample Point 19 [ INDICATOR - NNE @ 5 miles ]

TLD RING TLD\_OUTER

Sample ID:	289647	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	14.17
Sample ID:	297980	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	11.55
Sample ID:	365560	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	11.97
Sample ID:	362465	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	14.26

Sample Point 20 [ INDICATOR - NE @ 4.5 miles ]

TLD RING TLD\_OUTER

Sample ID:	289648	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	18.00
Sample ID:	297981	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	16.09
Sample ID:	365561	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	15.46
Sample ID:	362467	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	17.78

Sample Point 21 [ INDICATOR - ENE @ 4.8 miles ]

TLD RING TLD\_OUTER

Sample ID:	289649	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	15.91
Sample ID:	297982	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	11.94
Sample ID:	365562	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	12.73

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



## HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 21 [ INDICATOR - ENE @ 4.8 miles ]

TLD RING TLD\_OUTER

Sample ID:	362468	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	16.02

Sample Point 22 [ INDICATOR - E @ 4.3 miles ]

TLD RING TLD\_OUTER

Sample ID:	289650	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	14.64

Sample ID:	297983	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	11.41

Sample ID:	365563	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	10.29

Sample ID:	362469	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	13.35

Sample Point 23 [ INDICATOR - ESE @ 4.8 miles ]

TLD RING TLD\_OUTER

Sample ID:	289651	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	17.88

Sample ID:	297984	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	11.70

Sample ID:	365564	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	15.37

Sample ID:	362470	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	14.30

Sample Point 24 [ INDICATOR - SE @ 4 miles ]

TLD RING TLD\_OUTER

Sample ID:	289652	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	17.87

Sample ID:	297985	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	12.40

Sample ID:	365565	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	13.99

Sample ID:	362471	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	14.66

Sample Point 25 [ INDICATOR - SSE @ 4.7 miles ]

TLD RING TLD\_OUTER

Sample ID:	289653	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	20.96

Sample ID:	297986	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	11.12

Sample ID:	365566	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	12.83

Sample ID:	362472	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	13.80

Sample Point 26 [ INDICATOR - S @ 4.7 miles ]

TLD RING TLD\_OUTER

Sample ID:	289654	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	16.60

Sample ID:	297987	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	13.83

Sample ID:	365567	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	13.65

Sample ID:	362473	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	14.21

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



## HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 27 [ INDICATOR - SSW @ 4.8 miles ]

TLD RING TLD\_OUTER

Sample ID:	298029	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	9.12
Sample ID:	366978	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	11.92
Sample ID:	362474	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	10.88

Sample Point 28 [ INDICATOR - SW @ 4.8 miles ]

TLD RING TLD\_OUTER

Sample ID:	289696	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	15.49
Sample ID:	298030	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	12.38
Sample ID:	365568	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	11.89
Sample ID:	362475	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	14.40

Sample Point 29 [ INDICATOR - WSW @ 5.7 miles ]

TLD RING TLD\_OUTER

Sample ID:	289612	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	18.91
Sample ID:	297945	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	15.34
Sample ID:	365569	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	13.69
Sample ID:	362476	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	16.11

Sample Point 30 [ INDICATOR - W @ 5.6 miles ]

TLD RING TLD\_OUTER

Sample ID:	289614	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	12.39
Sample ID:	297947	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	11.44
Sample ID:	365570	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	11.86
Sample ID:	362478	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	12.62

Sample Point 31 [ INDICATOR - WNW @ 4.7 miles ]

TLD RING TLD\_OUTER

Sample ID:	289613	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	12.85
Sample ID:	297946	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	10.48
Sample ID:	365571	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	11.23
Sample ID:	362479	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	12.30

Sample Point 32 [ INDICATOR - NNW @ 6.4 miles ]

TLD RING TLD\_SPEC

Sample ID:	289615	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	16.01
Sample ID:	297948	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	15.51

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



## HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 32 [ INDICATOR - NNW @ 6.4 miles ]

TLD RING TLD\_SPEC

Sample ID:	365572	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	14.99
Sample ID:	362480	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	15.47

Sample Point 33 [ INDICATOR - NNW @ 4.5 miles ]

TLD RING TLD\_OUTER

Sample ID:	289616	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	13.76
Sample ID:	297949	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	11.54
Sample ID:	365573	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	10.95
Sample ID:	362481	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	13.37

Sample Point 34 [ INDICATOR - NE @ 8.7 miles ]

TLD RING TLD\_SPEC

Sample ID:	289617	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	20.67
Sample ID:	297950	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	17.46
Sample ID:	365574	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	15.39

Sample Point 35 [ INDICATOR - E @ 6.9 miles ]

TLD RING TLD\_SPEC

Sample ID:	289618	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	18.49
Sample ID:	365575	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	13.56
Sample ID:	362483	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	16.80

Sample Point 36 [ INDICATOR - E @ 10.9 miles ]

TLD RING TLD\_SPEC

Sample ID:	289619	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	15.57
Sample ID:	297952	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	13.28
Sample ID:	365576	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	12.44
Sample ID:	362484	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	12.97

Sample Point 37 [ INDICATOR - ESE @ 9.2 miles ]

TLD RING TLD\_SPEC

Sample ID:	289620	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	17.66
Sample ID:	297953	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	15.09
Sample ID:	365577	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	13.09
Sample ID:	362485	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	16.82

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.





## HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 48 [ INDICATOR - N @ 4.5 miles ]

TLD RING TLD\_OUTER

Sample ID:	289621	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	16.65
Sample ID:	297954	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	14.60
Sample ID:	365578	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	15.07
Sample ID:	362487	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	16.45

Sample Point 49 [ INDICATOR - NE @ 2.5 miles ]

TLD RING TLD\_INNER

Sample ID:	289622	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	22.17
Sample ID:	297955	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	17.26
Sample ID:	365579	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	16.43
Sample ID:	362488	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	18.72

Sample Point 50 [ INDICATOR - ESE @ 2.6 miles ]

TLD RING TLD\_INNER

Sample ID:	289623	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	16.99
Sample ID:	297956	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	11.70
Sample ID:	365581	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	11.81
Sample ID:	362490	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	14.30

Sample Point 53 [ INDICATOR - NW @ 5.8 miles ]

TLD RING TLD\_OUTER

Sample ID:	289624	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	14.22
Sample ID:	297957	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	11.77
Sample ID:	365582	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	13.07
Sample ID:	362491	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	15.51

Sample Point 56 [ INDICATOR - WSW @ 3 miles ]

TLD RING TLD\_INNER

Sample ID:	289625	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	16.02
Sample ID:	297958	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	12.61
Sample ID:	365583	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	12.45
Sample ID:	362492	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	14.86

Sample Point 63 [ INDICATOR - SW @ 0.6 miles ]

TLD RING TLD\_INNER

Sample ID:	289626	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	19.50

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



## HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 63 [ INDICATOR - SW @ 0.6 miles ]

TLD RING TLD\_INNER

Sample ID:	297959	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	16.38
Sample ID:	365584	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	15.96
Sample ID:	362494	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	18.93

Sample Point 67 [ INDICATOR - ENE @ 1.2 miles ]

TLD RING TLD\_INNER

Sample ID:	289627	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	15.34
Sample ID:	297960	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	12.45
Sample ID:	365585	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	12.96
Sample ID:	362495	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	17.29

Sample Point 93 [ INDICATOR - WNW @ 2.2 miles ]

TLD RING TLD\_INNER

Sample ID:	289628	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	17.33
Sample ID:	297961	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	15.24
Sample ID:	365590	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	15.05
Sample ID:	362499	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	17.34

Sample Point 94 [ INDICATOR - NW @ 2 miles ]

TLD RING TLD\_INNER

Sample ID:	289629	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	18.06
Sample ID:	297962	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	16.06
Sample ID:	365591	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	15.56
Sample ID:	362500	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	18.86

Sample Point 95 [ INDICATOR - NNW @ 2 miles ]

TLD RING TLD\_INNER

Sample ID:	289697	Sample Dates:	1/9/2014 - 4/9/2014	Nuclide	Activity
				mR/Std Qtr	24.29
Sample ID:	298031	Sample Dates:	4/9/2014 - 7/9/2014	Nuclide	Activity
				mR/Std Qtr	12.96
Sample ID:	365592	Sample Dates:	7/9/2014 - 10/8/2014	Nuclide	Activity
				mR/Std Qtr	14.80
Sample ID:	362501	Sample Dates:	10/8/2014 - 1/7/2015	Nuclide	Activity
				mR/Std Qtr	18.42

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

Sample Point 5 [ CONTROL - NNW @ 12 miles ]

Sample ID:	295689	Sample Dates:	5/21/2014 - 5/21/2014	FIGLEAF	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					I-131	<3.37E+01	0.00E+00	3.37E+01
					Cs-134	<3.81E+01	0.00E+00	3.81E+01
					Cs-137	<4.70E+01	0.00E+00	4.70E+01
					Be-7	5.09E+02	2.09E+02	2.83E+02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 5 [ CONTROL - NNW @ 12 miles ]

Sample ID:	295689	Sample Dates:	5/21/2014 - 5/21/2014	FIGLEAF	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					K-40	3.59E+03	4.20E+02	5.44E+02
Sample ID:	295690	Sample Dates:	5/21/2014 - 5/21/2014	MAPLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					I-131	<3.60E+01	0.00E+00	3.60E+01
					Cs-134	<3.79E+01	0.00E+00	3.79E+01
					Cs-137	<4.43E+01	0.00E+00	4.43E+01
					Be-7	<3.67E+02	0.00E+00	3.67E+02
					K-40	4.03E+03	4.65E+02	1.45E+02
Sample ID:	295691	Sample Dates:	5/21/2014 - 5/21/2014	SWEETGUM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					I-131	<3.89E+01	0.00E+00	3.89E+01
					Cs-134	<3.94E+01	0.00E+00	3.94E+01
					Cs-137	<5.01E+01	0.00E+00	5.01E+01
					Be-7	8.55E+02	2.22E+02	2.90E+02
					K-40	3.75E+03	4.27E+02	5.61E+02
Sample ID:	296371	Sample Dates:	6/9/2014 - 6/9/2014	FIGLEAF	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					I-131	<4.33E+01	0.00E+00	4.33E+01
					Cs-134	<4.73E+01	0.00E+00	4.73E+01
					Cs-137	<3.94E+01	0.00E+00	3.94E+01
					Be-7	3.47E+02	1.06E+02	3.60E+02
					K-40	5.06E+03	5.34E+02	6.77E+02
Sample ID:	296373	Sample Dates:	6/9/2014 - 6/9/2014	MAPLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					I-131	<2.28E+01	0.00E+00	2.28E+01
					Cs-134	<1.94E+01	0.00E+00	1.94E+01
					Cs-137	<1.96E+01	0.00E+00	1.96E+01
					Be-7	4.60E+02	7.56E+01	1.51E+02
					K-40	4.36E+03	2.46E+02	1.81E+02
Sample ID:	296372	Sample Dates:	6/9/2014 - 6/9/2014	SWEETGUM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					I-131	<2.84E+01	0.00E+00	2.84E+01
					Cs-134	<2.75E+01	0.00E+00	2.75E+01
					Cs-137	<3.34E+01	0.00E+00	3.34E+01
					Be-7	<2.81E+02	0.00E+00	2.81E+02
					K-40	3.29E+03	3.27E+02	2.59E+02
Sample ID:	298276	Sample Dates:	7/14/2014 - 7/14/2014	FIGLEAF	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					Mn-54	<3.37E+01	0.00E+00	3.37E+01
					Co-58	<2.71E+01	0.00E+00	2.71E+01
					Fe-59	<7.74E+01	0.00E+00	7.74E+01
					Co-60	<4.53E+01	0.00E+00	4.53E+01
					Zn-65	<7.35E+01	0.00E+00	7.35E+01
					Zr-95	<4.99E+01	0.00E+00	4.99E+01
					Nb-95	<2.23E+01	0.00E+00	2.23E+01
					I-131	<4.72E+01	0.00E+00	4.72E+01
					Cs-134	<2.80E+01	0.00E+00	2.80E+01
					Cs-137	2.20E+01	2.06E+01	3.19E+01
					BaLa-140	<6.49E+01	0.00E+00	6.49E+01
					Be-7	1.52E+02	1.79E+02	2.91E+02
					K-40	3.35E+03	6.55E+02	2.79E+02
Sample ID:	298278	Sample Dates:	7/14/2014 - 7/14/2014	SWEETGUM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					Mn-54	<2.45E+01	0.00E+00	2.45E+01
					Co-58	<2.81E+01	0.00E+00	2.81E+01
					Fe-59	<7.18E+01	0.00E+00	7.18E+01
					Co-60	<3.14E+01	0.00E+00	3.14E+01
					Zn-65	<6.56E+01	0.00E+00	6.56E+01
					Zr-95	<5.47E+01	0.00E+00	5.47E+01
					Nb-95	<3.34E+01	0.00E+00	3.34E+01
					I-131	<4.74E+01	0.00E+00	4.74E+01
					Cs-134	<2.35E+01	0.00E+00	2.35E+01
					Cs-137	<2.97E+01	0.00E+00	2.97E+01
					BaLa-140	<3.83E+01	0.00E+00	3.83E+01
					Be-7	7.09E+02	3.11E+02	4.44E+02
					K-40	2.77E+03	5.49E+02	6.06E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 5 [ CONTROL - NNW @ 12 miles ]

Sample ID: 298277	Sample Dates: 7/14/2014 - 7/14/2014	MAPLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<4.16E+01	0.00E+00	4.16E+01
			Co-58	<2.94E+01	0.00E+00	2.94E+01
			Fe-59	<1.04E+02	0.00E+00	1.04E+02
			Co-60	<3.60E+01	0.00E+00	3.60E+01
			Zn-65	<8.14E+01	0.00E+00	8.14E+01
			Zr-95	<7.52E+01	0.00E+00	7.52E+01
			Nb-95	<3.02E+01	0.00E+00	3.02E+01
			I-131	<4.48E+01	0.00E+00	4.48E+01
			Cs-134	<3.18E+01	0.00E+00	3.18E+01
			Cs-137	<3.24E+01	0.00E+00	3.24E+01
			BaLa-140	<5.37E+01	0.00E+00	5.37E+01
			Be-7	5.80E+02	3.00E+02	4.11E+02
			K-40	3.67E+03	8.56E+02	5.21E+02
Sample ID: 352249	Sample Dates: 8/11/2014 - 8/11/2014	SWEETGUM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<2.07E+01	0.00E+00	2.07E+01
			Co-58	<2.19E+01	0.00E+00	2.19E+01
			Fe-59	<4.02E+01	0.00E+00	4.02E+01
			Co-60	<2.69E+01	0.00E+00	2.69E+01
			Zn-65	<4.88E+01	0.00E+00	4.88E+01
			Zr-95	<3.44E+01	0.00E+00	3.44E+01
			Nb-95	<1.86E+01	0.00E+00	1.86E+01
			I-131	<1.66E+01	0.00E+00	1.66E+01
			Cs-134	<1.83E+01	0.00E+00	1.83E+01
			Cs-137	<2.47E+01	0.00E+00	2.47E+01
			BaLa-140	<2.48E+01	0.00E+00	2.48E+01
			Be-7	1.26E+03	2.59E+02	2.59E+02
			K-40	2.73E+03	4.79E+02	1.93E+02
Sample ID: 352247	Sample Dates: 8/11/2014 - 8/11/2014	MAPLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<2.78E+01	0.00E+00	2.78E+01
			Co-58	<2.48E+01	0.00E+00	2.48E+01
			Fe-59	<5.44E+01	0.00E+00	5.44E+01
			Co-60	<2.96E+01	0.00E+00	2.96E+01
			Zn-65	<7.55E+01	0.00E+00	7.55E+01
			Zr-95	<5.10E+01	0.00E+00	5.10E+01
			Nb-95	<2.60E+01	0.00E+00	2.60E+01
			I-131	<2.96E+01	0.00E+00	2.96E+01
			Cs-134	<2.32E+01	0.00E+00	2.32E+01
			Cs-137	<2.40E+01	0.00E+00	2.40E+01
			BaLa-140	<2.60E+01	0.00E+00	2.60E+01
			Be-7	1.88E+03	3.62E+02	3.43E+02
			K-40	4.45E+03	7.82E+02	5.70E+02
Sample ID: 352248	Sample Dates: 8/11/2014 - 8/11/2014	FIGLEAF	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<3.01E+01	0.00E+00	3.01E+01
			Co-58	<2.15E+01	0.00E+00	2.15E+01
			Fe-59	<6.07E+01	0.00E+00	6.07E+01
			Co-60	<4.23E+01	0.00E+00	4.23E+01
			Zn-65	<9.37E+01	0.00E+00	9.37E+01
			Zr-95	<5.17E+01	0.00E+00	5.17E+01
			Nb-95	<3.50E+01	0.00E+00	3.50E+01
			I-131	<2.41E+01	0.00E+00	2.41E+01
			Cs-134	<2.80E+01	0.00E+00	2.80E+01
			Cs-137	<3.33E+01	0.00E+00	3.33E+01
			BaLa-140	<1.11E+01	0.00E+00	1.11E+01
			Be-7	1.43E+03	3.25E+02	2.77E+02
			K-40	4.41E+03	8.60E+02	5.13E+02
Sample ID: 355360	Sample Dates: 9/15/2014 - 9/15/2014	FIGLEAF	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<2.93E+01	0.00E+00	2.93E+01
			Co-58	<2.87E+01	0.00E+00	2.87E+01
			Fe-59	<5.17E+01	0.00E+00	5.17E+01
			Co-60	<3.23E+01	0.00E+00	3.23E+01
			Zn-65	<8.37E+01	0.00E+00	8.37E+01
			Zr-95	<3.41E+01	0.00E+00	3.41E+01
			Nb-95	<2.93E+01	0.00E+00	2.93E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 5 [ CONTROL - NNW @ 12 miles ]

Sample ID: 355360	Sample Dates: 9/15/2014 - 9/15/2014	FIGLEAF	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			I-131	<3.65E+01	0.00E+00	3.65E+01
			Cs-134	<2.49E+01	0.00E+00	2.49E+01
			Cs-137	<3.22E+01	0.00E+00	3.22E+01
			BaLa-140	<4.05E+01	0.00E+00	4.05E+01
			Be-7	1.98E+03	3.58E+02	3.01E+02
Sample ID: 355358	Sample Dates: 9/15/2014 - 9/15/2014	MAPLE	K-40	5.50E+03	1.34E+03	2.84E+02
			Mn-54	<2.93E+01	0.00E+00	2.93E+01
			Co-58	<3.50E+01	0.00E+00	3.50E+01
			Fe-59	<7.12E+01	0.00E+00	7.12E+01
			Co-60	<4.74E+01	0.00E+00	4.74E+01
			Zn-65	<8.06E+01	0.00E+00	8.06E+01
Sample ID: 355359	Sample Dates: 9/15/2014 - 9/15/2014	SWEETGUM	Zr-95	<5.04E+01	0.00E+00	5.04E+01
			Nb-95	<2.95E+01	0.00E+00	2.95E+01
			I-131	<3.74E+01	0.00E+00	3.74E+01
			Cs-134	<3.40E+01	0.00E+00	3.40E+01
			Cs-137	<3.03E+01	0.00E+00	3.03E+01
			BaLa-140	<4.56E+01	0.00E+00	4.56E+01
Sample ID: 358013	Sample Dates: 10/13/2014 - 10/13/2014	FIGLEAF	Be-7	1.03E+03	3.24E+02	4.02E+02
			K-40	3.29E+03	7.05E+02	5.91E+02
			Mn-54	<2.06E+01	0.00E+00	2.06E+01
			Co-58	<2.76E+01	0.00E+00	2.76E+01
			Fe-59	<4.69E+01	0.00E+00	4.69E+01
			Co-60	<2.59E+01	0.00E+00	2.59E+01
Sample ID: 358014	Sample Dates: 10/13/2014 - 10/13/2014	MAPLE	Zn-65	<4.19E+01	0.00E+00	4.19E+01
			Zr-95	<4.47E+01	0.00E+00	4.47E+01
			Nb-95	<3.16E+01	0.00E+00	3.16E+01
			I-131	<4.10E+01	0.00E+00	4.10E+01
			Cs-134	<2.88E+01	0.00E+00	2.88E+01
			Cs-137	<3.41E+01	0.00E+00	3.41E+01
Sample ID: 358013	Sample Dates: 10/13/2014 - 10/13/2014	FIGLEAF	BaLa-140	<4.85E+01	0.00E+00	4.85E+01
			Be-7	1.26E+03	2.91E+02	2.95E+02
			K-40	2.64E+03	5.40E+02	3.59E+02
			Mn-54	<2.80E+01	0.00E+00	2.80E+01
			Co-58	<2.98E+01	0.00E+00	2.98E+01
			Fe-59	<6.81E+01	0.00E+00	6.81E+01
Sample ID: 358014	Sample Dates: 10/13/2014 - 10/13/2014	MAPLE	Co-60	<3.66E+01	0.00E+00	3.66E+01
			Zn-65	<5.15E+01	0.00E+00	5.15E+01
			Zr-95	<5.00E+01	0.00E+00	5.00E+01
			Nb-95	<2.63E+01	0.00E+00	2.63E+01
			I-131	<2.86E+01	0.00E+00	2.86E+01
			Cs-134	<3.96E+01	0.00E+00	3.96E+01
Sample ID: 358013	Sample Dates: 10/13/2014 - 10/13/2014	FIGLEAF	Cs-137	<3.42E+01	0.00E+00	3.42E+01
			BaLa-140	<3.40E+01	0.00E+00	3.40E+01
			Be-7	2.54E+03	4.31E+02	3.76E+02
			K-40	6.33E+03	9.57E+02	5.93E+02
			Mn-54	<3.06E+01	0.00E+00	3.06E+01
			Co-58	<2.29E+01	0.00E+00	2.29E+01
Sample ID: 358014	Sample Dates: 10/13/2014 - 10/13/2014	MAPLE	Fe-59	<4.97E+01	0.00E+00	4.97E+01
			Co-60	<3.79E+01	0.00E+00	3.79E+01
			Zn-65	<8.19E+01	0.00E+00	8.19E+01
			Zr-95	<4.54E+01	0.00E+00	4.54E+01
			Nb-95	<1.99E+01	0.00E+00	1.99E+01
			I-131	<2.79E+01	0.00E+00	2.79E+01
Sample ID: 358013	Sample Dates: 10/13/2014 - 10/13/2014	FIGLEAF	Cs-134	<3.53E+01	0.00E+00	3.53E+01
			Cs-137	<3.05E+01	0.00E+00	3.05E+01
			BaLa-140	<3.15E+01	0.00E+00	3.15E+01
			Be-7	1.10E+03	3.02E+02	3.61E+02
			K-40	3.68E+03	6.63E+02	3.79E+02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 5 [ CONTROL - NNW @ 12 miles ]

Sample ID:	358015	Sample Dates:	10/13/2014 - 10/13/2014	SWEETGUM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					Mn-54	<2.27E+01	0.00E+00	2.27E+01
					Co-58	<2.28E+01	0.00E+00	2.28E+01
					Fe-59	<4.98E+01	0.00E+00	4.98E+01
					Co-60	<3.59E+01	0.00E+00	3.59E+01
					Zn-65	<6.73E+01	0.00E+00	6.73E+01
					Zr-95	<3.11E+01	0.00E+00	3.11E+01
					Nb-95	<2.93E+01	0.00E+00	2.93E+01
					I-131	<2.71E+01	0.00E+00	2.71E+01
					Cs-134	<3.67E+01	0.00E+00	3.67E+01
					Cs-137	<2.30E+01	0.00E+00	2.30E+01
					BaLa-140	<2.05E+01	0.00E+00	2.05E+01
					Be-7	1.06E+03	2.74E+02	3.10E+02
					K-40	2.97E+03	5.81E+02	3.86E+02

Sample Point 12 [ INDICATOR - SSW @ 0.9 miles ]

Sample ID:	295692	Sample Dates:	5/21/2014 - 5/21/2014	SWEETGUM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					I-131	<3.19E+01	0.00E+00	3.19E+01
					Cs-134	<3.23E+01	0.00E+00	3.23E+01
					Cs-137	<3.13E+01	0.00E+00	3.13E+01
					Be-7	1.85E+02	9.68E+01	2.00E+02
					K-40	2.52E+03	3.40E+02	5.82E+02

Sample ID:	295694	Sample Dates:	5/21/2014 - 5/21/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					I-131	<4.70E+01	0.00E+00	4.70E+01
					Cs-134	<3.84E+01	0.00E+00	3.84E+01
					Cs-137	<4.98E+01	0.00E+00	4.98E+01
					Be-7	1.11E+03	1.82E+02	3.39E+02
					K-40	3.62E+03	4.81E+02	5.05E+02

Sample ID:	295693	Sample Dates:	5/21/2014 - 5/21/2014	MAPLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					I-131	<2.50E+01	0.00E+00	2.50E+01
					Cs-134	<3.29E+01	0.00E+00	3.29E+01
					Cs-137	<3.46E+01	0.00E+00	3.46E+01
					Be-7	7.51E+02	1.35E+02	1.94E+02
					K-40	3.35E+03	3.21E+02	3.40E+02

Sample ID:	296376	Sample Dates:	6/9/2014 - 6/9/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					I-131	<2.58E+01	0.00E+00	2.58E+01
					Cs-134	<2.59E+01	0.00E+00	2.59E+01
					Cs-137	<3.62E+01	0.00E+00	3.62E+01
					Be-7	6.14E+02	1.03E+02	2.13E+02
					K-40	2.88E+03	3.20E+02	4.47E+02

Sample ID:	296375	Sample Dates:	6/9/2014 - 6/9/2014	SWEETGUM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					I-131	<1.80E+01	0.00E+00	1.80E+01
					Cs-134	<1.72E+01	0.00E+00	1.72E+01
					Cs-137	<2.44E+01	0.00E+00	2.44E+01
					Be-7	2.84E+02	1.14E+02	1.74E+02
					K-40	2.63E+03	2.07E+02	1.75E+02

Sample ID:	296374	Sample Dates:	6/9/2014 - 6/9/2014	MAPLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					I-131	<2.93E+01	0.00E+00	2.93E+01
					Cs-134	<2.63E+01	0.00E+00	2.63E+01
					Cs-137	<2.86E+01	0.00E+00	2.86E+01
					Be-7	6.27E+02	1.21E+02	2.07E+02
					K-40	2.60E+03	2.46E+02	3.73E+02

Sample ID:	298280	Sample Dates:	7/14/2014 - 7/14/2014	SWEETGUM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
					Mn-54	<2.43E+01	0.00E+00	2.43E+01
					Co-58	<2.15E+01	0.00E+00	2.15E+01
					Fe-59	<5.54E+01	0.00E+00	5.54E+01
					Co-60	<2.22E+01	0.00E+00	2.22E+01
					Zn-65	<5.44E+01	0.00E+00	5.44E+01
					Zr-95	<4.07E+01	0.00E+00	4.07E+01
					Nb-95	<2.70E+01	0.00E+00	2.70E+01
					I-131	<4.14E+01	0.00E+00	4.14E+01
					Cs-134	<2.09E+01	0.00E+00	2.09E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 12 [ INDICATOR - SSW @ 0.9 miles ]

Sample ID: 298280	Sample Dates: 7/14/2014 - 7/14/2014	SWEETGUM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Cs-137	<1.98E+01		
			BaLa-140	<3.65E+01		
			Be-7	4.60E+02		
			K-40	4.09E+03		
Sample ID: 298281	Sample Dates: 7/14/2014 - 7/14/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<3.38E+01		
			Co-58	<3.52E+01		
			Fe-59	<7.87E+01		
			Co-60	<4.61E+01		
			Zn-65	<8.14E+01		
			Zr-95	<5.06E+01		
			Nb-95	<3.42E+01		
			I-131	<4.78E+01		
			Cs-134	<3.13E+01		
			Cs-137	<4.22E+01		
			BaLa-140	<6.07E+01		
			Be-7	1.35E+03		
			K-40	2.30E+03		
Sample ID: 298279	Sample Dates: 7/14/2014 - 7/14/2014	MAPLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<2.14E+01		
			Co-58	<2.02E+01		
			Fe-59	<5.42E+01		
			Co-60	<1.77E+01		
			Zn-65	<6.70E+01		
			Zr-95	<5.36E+01		
			Nb-95	<2.98E+01		
			I-131	<3.79E+01		
			Cs-134	<2.17E+01		
			Cs-137	<3.02E+01		
			BaLa-140	<4.58E+01		
			Be-7	5.68E+02		
			K-40	4.11E+03		
Sample ID: 352254	Sample Dates: 8/11/2014 - 8/11/2014	SWEETGUM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<2.18E+01		
			Co-58	<1.79E+01		
			Fe-59	<6.24E+01		
			Co-60	<3.17E+01		
			Zn-65	<5.97E+01		
			Zr-95	<3.60E+01		
			Nb-95	<2.58E+01		
			I-131	<1.53E+01		
			Cs-134	<1.92E+01		
			Cs-137	<2.97E+01		
			BaLa-140	<3.20E+01		
			Be-7	1.70E+03		
			K-40	2.10E+03		
Sample ID: 352252	Sample Dates: 8/11/2014 - 8/11/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<2.29E+01		
			Co-58	<2.11E+01		
			Fe-59	<5.21E+01		
			Co-60	<1.64E+01		
			Zn-65	<4.04E+01		
			Zr-95	<4.23E+01		
			Nb-95	<1.54E+01		
			I-131	<1.87E+01		
			Cs-134	<1.98E+01		
			Cs-137	<1.87E+01		
			BaLa-140	<2.19E+01		
			Be-7	1.52E+03		
			K-40	2.00E+03		
Sample ID: 352255	Sample Dates: 8/11/2014 - 8/11/2014	MAPLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<5.21E+01		

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 12 [ INDICATOR - SSW @ 0.9 miles ]

Sample ID: 352255	Sample Dates: 8/11/2014 - 8/11/2014	MAPLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Co-58	<4.96E+01	0.00E+00	4.96E+01
			Fe-59	<9.75E+01	0.00E+00	9.75E+01
			Co-60	<4.82E+01	0.00E+00	4.82E+01
			Zn-65	<5.31E+01	0.00E+00	5.31E+01
			Zr-95	<9.67E+01	0.00E+00	9.67E+01
			Nb-95	<4.57E+01	0.00E+00	4.57E+01
			I-131	<4.75E+01	0.00E+00	4.75E+01
			Cs-134	<3.24E+01	0.00E+00	3.24E+01
			Cs-137	<5.37E+01	0.00E+00	5.37E+01
			BaLa-140	<4.53E+01	0.00E+00	4.53E+01
			Be-7	2.09E+03	5.13E+02	5.18E+02
			K-40	2.40E+03	7.99E+02	7.88E+02
Sample ID: 355361	Sample Dates: 9/15/2014 - 9/15/2014	MAPLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<7.48E+00	0.00E+00	7.48E+00
			Co-58	<7.71E+00	0.00E+00	7.71E+00
			Fe-59	<2.04E+01	0.00E+00	2.04E+01
			Co-60	<7.89E+00	0.00E+00	7.89E+00
			Zn-65	<1.74E+01	0.00E+00	1.74E+01
			Zr-95	<1.55E+01	0.00E+00	1.55E+01
			Nb-95	<1.03E+01	0.00E+00	1.03E+01
			I-131	<4.80E+01	0.00E+00	4.80E+01
			Cs-134	<7.93E+00	0.00E+00	7.93E+00
			Cs-137	4.77E+00	6.79E+00	1.12E+01
			BaLa-140	<2.64E+01	0.00E+00	2.64E+01
			Be-7	1.04E+03	2.12E+02	8.88E+01
			K-40	2.58E+03	2.61E+02	1.17E+02
Sample ID: 355362	Sample Dates: 9/15/2014 - 9/15/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<2.54E+01	0.00E+00	2.54E+01
			Co-58	<2.92E+01	0.00E+00	2.92E+01
			Fe-59	<6.86E+01	0.00E+00	6.86E+01
			Co-60	<3.88E+01	0.00E+00	3.88E+01
			Zn-65	<6.84E+01	0.00E+00	6.84E+01
			Zr-95	<5.94E+01	0.00E+00	5.94E+01
			Nb-95	<2.83E+01	0.00E+00	2.83E+01
			I-131	<4.25E+01	0.00E+00	4.25E+01
			Cs-134	<3.15E+01	0.00E+00	3.15E+01
			Cs-137	<3.06E+01	0.00E+00	3.06E+01
			BaLa-140	<5.55E+01	0.00E+00	5.55E+01
			Be-7	1.47E+03	3.44E+02	3.45E+02
			K-40	2.18E+03	5.52E+02	4.63E+02
Sample ID: 355363	Sample Dates: 9/15/2014 - 9/15/2014	SWEETGUM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<2.55E+01	0.00E+00	2.55E+01
			Co-58	<2.72E+01	0.00E+00	2.72E+01
			Fe-59	<6.18E+01	0.00E+00	6.18E+01
			Co-60	<2.75E+01	0.00E+00	2.75E+01
			Zn-65	<3.71E+01	0.00E+00	3.71E+01
			Zr-95	<3.66E+01	0.00E+00	3.66E+01
			Nb-95	<2.78E+01	0.00E+00	2.78E+01
			I-131	<3.49E+01	0.00E+00	3.49E+01
			Cs-134	<2.13E+01	0.00E+00	2.13E+01
			Cs-137	<2.35E+01	0.00E+00	2.35E+01
			BaLa-140	<3.15E+01	0.00E+00	3.15E+01
			Be-7	1.61E+03	3.29E+02	3.14E+02
			K-40	2.05E+03	4.68E+02	3.39E+02
Sample ID: 358011	Sample Dates: 10/13/2014 - 10/13/2014	SWEETGUM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<2.35E+01	0.00E+00	2.35E+01
			Co-58	<2.23E+01	0.00E+00	2.23E+01
			Fe-59	<4.82E+01	0.00E+00	4.82E+01
			Co-60	<3.43E+01	0.00E+00	3.43E+01
			Zn-65	<5.38E+01	0.00E+00	5.38E+01
			Zr-95	<3.65E+01	0.00E+00	3.65E+01
			Nb-95	<2.27E+01	0.00E+00	2.27E+01
			I-131	<2.06E+01	0.00E+00	2.06E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.





# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 12 [ INDICATOR - SSW @ 0.9 miles ]

Sample ID: 358011	Sample Dates: 10/13/2014 - 10/13/2014	SWEETGUM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Cs-134	<2.76E+01	0.00E+00	2.76E+01
			Cs-137	<3.14E+01	0.00E+00	3.14E+01
			BaLa-140	<2.54E+01	0.00E+00	2.54E+01
			Be-7	2.09E+03	3.52E+02	2.41E+02
			K-40	1.68E+03	4.22E+02	2.87E+02
Sample ID: 358012	Sample Dates: 10/13/2014 - 10/13/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<7.65E+00	0.00E+00	7.65E+00
			Co-58	<8.63E+00	0.00E+00	8.63E+00
			Fe-59	<1.49E+01	0.00E+00	1.49E+01
			Co-60	<7.65E+00	0.00E+00	7.65E+00
			Zn-65	<1.56E+01	0.00E+00	1.56E+01
			Zr-95	<1.43E+01	0.00E+00	1.43E+01
			Nb-95	<9.88E+00	0.00E+00	9.88E+00
			I-131	<2.12E+01	0.00E+00	2.12E+01
			Cs-134	<8.45E+00	0.00E+00	8.45E+00
			Cs-137	<6.38E+00	0.00E+00	6.38E+00
			BaLa-140	<1.50E+01	0.00E+00	1.50E+01
			Be-7	1.91E+03	1.99E+02	1.16E+02
			K-40	2.14E+03	2.29E+02	9.95E+01
Sample ID: 358010	Sample Dates: 10/13/2014 - 10/13/2014	MAPLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<2.99E+01	0.00E+00	2.99E+01
			Co-58	<2.64E+01	0.00E+00	2.64E+01
			Fe-59	<3.89E+01	0.00E+00	3.89E+01
			Co-60	<3.48E+01	0.00E+00	3.48E+01
			Zn-65	<7.32E+01	0.00E+00	7.32E+01
			Zr-95	<4.12E+01	0.00E+00	4.12E+01
			Nb-95	<2.67E+01	0.00E+00	2.67E+01
			I-131	<2.50E+01	0.00E+00	2.50E+01
			Cs-134	<2.68E+01	0.00E+00	2.68E+01
			Cs-137	<3.29E+01	0.00E+00	3.29E+01
			BaLa-140	<3.69E+01	0.00E+00	3.69E+01
			Be-7	1.24E+03	3.25E+02	3.74E+02
			K-40	2.85E+03	5.95E+02	3.66E+02

## Sample Point 63 [ INDICATOR - SW @ 0.6 miles ]

Sample ID: 295696	Sample Dates: 5/21/2014 - 5/21/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			I-131	<3.78E+01	0.00E+00	3.78E+01
			Cs-134	<3.24E+01	0.00E+00	3.24E+01
			Cs-137	<4.64E+01	0.00E+00	4.64E+01
			Be-7	6.33E+02	1.78E+02	3.14E+02
			K-40	4.51E+03	4.68E+02	4.34E+02
Sample ID: 295697	Sample Dates: 5/21/2014 - 5/21/2014	SWEETGUM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			I-131	<2.17E+01	0.00E+00	2.17E+01
			Cs-134	<2.14E+01	0.00E+00	2.14E+01
			Cs-137	<2.02E+01	0.00E+00	2.02E+01
			Be-7	3.35E+02	8.27E+01	1.46E+02
			K-40	2.84E+03	2.20E+02	1.22E+02
Sample ID: 295695	Sample Dates: 5/21/2014 - 5/21/2014	MAPLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			I-131	<4.55E+01	0.00E+00	4.55E+01
			Cs-134	<4.56E+01	0.00E+00	4.56E+01
			Cs-137	<5.84E+01	0.00E+00	5.84E+01
			Be-7	<6.95E+02	0.00E+00	6.95E+02
			K-40	3.12E+03	5.46E+02	6.02E+02
Sample ID: 296379	Sample Dates: 6/9/2014 - 6/9/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			I-131	<3.33E+01	0.00E+00	3.33E+01
			Cs-134	<2.48E+01	0.00E+00	2.48E+01
			Cs-137	<4.46E+01	0.00E+00	4.46E+01
			Be-7	5.11E+02	1.63E+02	2.61E+02
			K-40	3.28E+03	3.58E+02	3.09E+02
Sample ID: 296378	Sample Dates: 6/9/2014 - 6/9/2014	SWEETGUM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			I-131	<2.39E+01	0.00E+00	2.39E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 63 [ INDICATOR - SW @ 0.6 miles ]

Sample ID: 296378	Sample Dates: 6/9/2014 - 6/9/2014	SWEETGUM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Cs-134	<2.79E+01	0.00E+00	2.79E+01
			Cs-137	<2.53E+01	0.00E+00	2.53E+01
			Be-7	<3.85E+02	0.00E+00	3.85E+02
			K-40	2.85E+03	3.31E+02	3.53E+02
Sample ID: 296377	Sample Dates: 6/9/2014 - 6/9/2014	MAPLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			I-131	<2.43E+01	0.00E+00	2.43E+01
			Cs-134	<2.62E+01	0.00E+00	2.62E+01
			Cs-137	<2.49E+01	0.00E+00	2.49E+01
			Be-7	6.63E+02	9.86E+01	1.82E+02
Sample ID: 298284	Sample Dates: 7/14/2014 - 7/14/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<2.87E+01	0.00E+00	2.87E+01
			Co-58	<2.99E+01	0.00E+00	2.99E+01
			Fe-59	<8.09E+01	0.00E+00	8.09E+01
			Co-60	<2.99E+01	0.00E+00	2.99E+01
Sample ID: 298283	Sample Dates: 7/14/2014 - 7/14/2014	SWEETGUM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Zn-65	<2.97E+01	0.00E+00	2.97E+01
			Zr-95	<4.79E+01	0.00E+00	4.79E+01
			Nb-95	<3.08E+01	0.00E+00	3.08E+01
			I-131	<4.56E+01	0.00E+00	4.56E+01
			Cs-134	<2.77E+01	0.00E+00	2.77E+01
			Cs-137	<3.93E+01	0.00E+00	3.93E+01
			BaLa-140	<6.70E+01	0.00E+00	6.70E+01
			Be-7	4.09E+02	2.35E+02	3.43E+02
			K-40	2.47E+03	5.77E+02	4.84E+02
			Mn-54	<3.56E+01	0.00E+00	3.56E+01
			Co-58	<3.61E+01	0.00E+00	3.61E+01
			Fe-59	<8.43E+01	0.00E+00	8.43E+01
Sample ID: 298282	Sample Dates: 7/14/2014 - 7/14/2014	MAPLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Co-60	<3.16E+01	0.00E+00	3.16E+01
			Zn-65	<7.62E+01	0.00E+00	7.62E+01
			Zr-95	<5.33E+01	0.00E+00	5.33E+01
			Nb-95	<3.60E+01	0.00E+00	3.60E+01
			I-131	<4.25E+01	0.00E+00	4.25E+01
			Cs-134	<2.85E+01	0.00E+00	2.85E+01
			Cs-137	<2.98E+01	0.00E+00	2.98E+01
			BaLa-140	<3.35E+01	0.00E+00	3.35E+01
			Be-7	5.03E+02	2.52E+02	3.61E+02
			K-40	2.80E+03	6.73E+02	6.48E+02
			Mn-54	<1.97E+01	0.00E+00	1.97E+01
			Co-58	<2.20E+01	0.00E+00	2.20E+01
Sample ID: 352257	Sample Dates: 8/11/2014 - 8/11/2014	SWEETGUM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Fe-59	<5.78E+01	0.00E+00	5.78E+01
			Co-60	<2.79E+01	0.00E+00	2.79E+01
			Zn-65	<5.27E+01	0.00E+00	5.27E+01
			Zr-95	<4.61E+01	0.00E+00	4.61E+01
			Nb-95	<2.67E+01	0.00E+00	2.67E+01
			I-131	<3.66E+01	0.00E+00	3.66E+01
			Cs-134	<2.07E+01	0.00E+00	2.07E+01
			Cs-137	<2.55E+01	0.00E+00	2.55E+01
			BaLa-140	<4.81E+01	0.00E+00	4.81E+01
Sample ID: 352257	Sample Dates: 8/11/2014 - 8/11/2014	SWEETGUM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Be-7	6.64E+02	2.08E+02	2.62E+02
			K-40	3.67E+03	6.16E+02	4.06E+02
			Mn-54	<3.05E+01	0.00E+00	3.05E+01
			Co-58	<2.32E+01	0.00E+00	2.32E+01
			Fe-59	<5.37E+01	0.00E+00	5.37E+01
			Co-60	<4.24E+01	0.00E+00	4.24E+01
			Zn-65	<7.29E+01	0.00E+00	7.29E+01
			Zr-95	<6.19E+01	0.00E+00	6.19E+01
			Nb-95	<3.13E+01	0.00E+00	3.13E+01
Sample ID: 352257	Sample Dates: 8/11/2014 - 8/11/2014	SWEETGUM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			I-131	<2.39E+01	0.00E+00	2.39E+01
			Cs-134	<3.01E+01	0.00E+00	3.01E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 63 [ INDICATOR - SW @ 0.6 miles ]

Sample ID: 352257	Sample Dates: 8/11/2014 - 8/11/2014	SWEETGUM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Cs-137	<1.91E+01	0.00E+00	1.91E+01
			BaLa-140	<3.27E+01	0.00E+00	3.27E+01
			Be-7	2.30E+03	4.39E+02	3.48E+02
			K-40	1.93E+03	5.77E+02	4.73E+02
Sample ID: 352258	Sample Dates: 8/11/2014 - 8/11/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<2.67E+01	0.00E+00	2.67E+01
			Co-58	<2.86E+01	0.00E+00	2.86E+01
			Fe-59	<5.60E+01	0.00E+00	5.60E+01
			Co-60	<2.58E+01	0.00E+00	2.58E+01
			Zn-65	<4.49E+01	0.00E+00	4.49E+01
			Zr-95	<4.04E+01	0.00E+00	4.04E+01
			Nb-95	<2.01E+01	0.00E+00	2.01E+01
			I-131	<2.46E+01	0.00E+00	2.46E+01
			Cs-134	<2.54E+01	0.00E+00	2.54E+01
			Cs-137	<2.68E+01	0.00E+00	2.68E+01
			BaLa-140	<3.11E+01	0.00E+00	3.11E+01
			Be-7	1.15E+03	4.26E+02	6.17E+02
			K-40	2.37E+03	5.89E+02	5.90E+02
Sample ID: 352256	Sample Dates: 8/11/2014 - 8/11/2014	MAPLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<2.72E+01	0.00E+00	2.72E+01
			Co-58	<2.98E+01	0.00E+00	2.98E+01
			Fe-59	<4.96E+01	0.00E+00	4.96E+01
			Co-60	<3.36E+01	0.00E+00	3.36E+01
			Zn-65	<7.17E+01	0.00E+00	7.17E+01
			Zr-95	<5.16E+01	0.00E+00	5.16E+01
			Nb-95	<3.06E+01	0.00E+00	3.06E+01
			I-131	<3.12E+01	0.00E+00	3.12E+01
			Cs-134	<2.05E+01	0.00E+00	2.05E+01
			Cs-137	<2.80E+01	0.00E+00	2.80E+01
			BaLa-140	<2.65E+01	0.00E+00	2.65E+01
			Be-7	1.73E+03	4.20E+02	5.24E+02
			K-40	2.85E+03	6.35E+02	5.87E+02
Sample ID: 355365	Sample Dates: 9/15/2014 - 9/15/2014	SWEETGUM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<2.56E+01	0.00E+00	2.56E+01
			Co-58	<2.11E+01	0.00E+00	2.11E+01
			Fe-59	<5.25E+01	0.00E+00	5.25E+01
			Co-60	<2.77E+01	0.00E+00	2.77E+01
			Zn-65	<6.97E+01	0.00E+00	6.97E+01
			Zr-95	<3.89E+01	0.00E+00	3.89E+01
			Nb-95	<2.50E+01	0.00E+00	2.50E+01
			I-131	<3.54E+01	0.00E+00	3.54E+01
			Cs-134	<2.53E+01	0.00E+00	2.53E+01
			Cs-137	<2.18E+01	0.00E+00	2.18E+01
			BaLa-140	<4.12E+01	0.00E+00	4.12E+01
			Be-7	7.98E+02	2.39E+02	2.77E+02
			K-40	2.26E+03	4.76E+02	2.46E+02
Sample ID: 355364	Sample Dates: 9/15/2014 - 9/15/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<7.54E+00	0.00E+00	7.54E+00
			Co-58	<8.28E+00	0.00E+00	8.28E+00
			Fe-59	<2.22E+01	0.00E+00	2.22E+01
			Co-60	<8.57E+00	0.00E+00	8.57E+00
			Zn-65	<1.93E+01	0.00E+00	1.93E+01
			Zr-95	<1.55E+01	0.00E+00	1.55E+01
			Nb-95	<1.22E+01	0.00E+00	1.22E+01
			I-131	<4.75E+01	0.00E+00	4.75E+01
			Cs-134	<8.22E+00	0.00E+00	8.22E+00
			Cs-137	<7.95E+00	0.00E+00	7.95E+00
			BaLa-140	<2.32E+01	0.00E+00	2.32E+01
			Be-7	8.81E+02	1.28E+02	1.28E+02
			K-40	2.48E+03	2.67E+02	1.23E+02
Sample ID: 355366	Sample Dates: 9/15/2014 - 9/15/2014	MAPLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<2.88E+01	0.00E+00	2.88E+01

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



# HARRIS Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 63 [ INDICATOR - SW @ 0.6 miles ]

Sample ID: 355366	Sample Dates: 9/15/2014 - 9/15/2014	MAPLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Co-58	<2.31E+01	0.00E+00	2.31E+01
			Fe-59	<6.12E+01	0.00E+00	6.12E+01
			Co-60	<3.44E+01	0.00E+00	3.44E+01
			Zn-65	<5.29E+01	0.00E+00	5.29E+01
			Zr-95	<4.98E+01	0.00E+00	4.98E+01
			Nb-95	<3.37E+01	0.00E+00	3.37E+01
			I-131	<3.60E+01	0.00E+00	3.60E+01
			Cs-134	<3.21E+01	0.00E+00	3.21E+01
			Cs-137	<3.50E+01	0.00E+00	3.50E+01
			BaLa-140	<2.95E+01	0.00E+00	2.95E+01
			Be-7	1.37E+03	3.38E+02	3.69E+02
			K-40	2.11E+03	5.79E+02	6.10E+02
Sample ID: 358017	Sample Dates: 10/13/2014 - 10/13/2014	SWEETGUM	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<2.09E+01	0.00E+00	2.09E+01
			Co-58	<2.53E+01	0.00E+00	2.53E+01
			Fe-59	<6.24E+01	0.00E+00	6.24E+01
			Co-60	<3.04E+01	0.00E+00	3.04E+01
			Zn-65	<5.30E+01	0.00E+00	5.30E+01
			Zr-95	<4.55E+01	0.00E+00	4.55E+01
			Nb-95	<2.83E+01	0.00E+00	2.83E+01
			I-131	<2.43E+01	0.00E+00	2.43E+01
			Cs-134	<2.48E+01	0.00E+00	2.48E+01
			Cs-137	<2.62E+01	0.00E+00	2.62E+01
			BaLa-140	<7.64E+00	0.00E+00	7.64E+00
			Be-7	1.21E+03	2.88E+02	3.06E+02
			K-40	2.11E+03	5.05E+02	4.32E+02
Sample ID: 358018	Sample Dates: 10/13/2014 - 10/13/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<2.67E+01	0.00E+00	2.67E+01
			Co-58	<2.26E+01	0.00E+00	2.26E+01
			Fe-59	<4.42E+01	0.00E+00	4.42E+01
			Co-60	<2.80E+01	0.00E+00	2.80E+01
			Zn-65	<6.77E+01	0.00E+00	6.77E+01
			Zr-95	<4.42E+01	0.00E+00	4.42E+01
			Nb-95	<2.62E+01	0.00E+00	2.62E+01
			I-131	<2.64E+01	0.00E+00	2.64E+01
			Cs-134	<3.38E+01	0.00E+00	3.38E+01
			Cs-137	<3.48E+01	0.00E+00	3.48E+01
			BaLa-140	<2.39E+01	0.00E+00	2.39E+01
			Be-7	1.70E+03	3.69E+02	3.80E+02
			K-40	2.22E+03	5.40E+02	4.35E+02
Sample ID: 358016	Sample Dates: 10/13/2014 - 10/13/2014	MAPLE	Nuclide	Activity	Sigma Error <sup>1</sup>	LLD
			Mn-54	<2.84E+01	0.00E+00	2.84E+01
			Co-58	<2.85E+01	0.00E+00	2.85E+01
			Fe-59	<5.66E+01	0.00E+00	5.66E+01
			Co-60	<2.70E+01	0.00E+00	2.70E+01
			Zn-65	<5.69E+01	0.00E+00	5.69E+01
			Zr-95	<3.90E+01	0.00E+00	3.90E+01
			Nb-95	<2.61E+01	0.00E+00	2.61E+01
			I-131	<2.58E+01	0.00E+00	2.58E+01
			Cs-134	<3.19E+01	0.00E+00	3.19E+01
			Cs-137	<2.84E+01	0.00E+00	2.84E+01
			BaLa-140	<2.66E+01	0.00E+00	2.66E+01
			Be-7	1.33E+03	3.02E+02	3.12E+02
			K-40	2.26E+03	4.99E+02	3.29E+02

(1) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.



**APPENDIX F**

**ERRATA TO  
PREVIOUS REPORTS**

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# APPENDIX F

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## ERRATA TO THE 2014 HNP AREOR

There are no errata to be appended to the 2014 HNP AREOR.