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

RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT - 2013

Ladies and Gentlemen:

In accordance with the H. B. Robinson Steam Electric Plant (HBRSEP), Unit No. 2, Technical Specifications, Section 5.6.2, "Annual Radiological Environmental Operating Report," enclosed is the Radiological Environmental Operating Report for the period January 1, 2013, through December 31, 2013.

If you have any questions concerning this report, please contact W. Richard Hightower, Manager - Nuclear Regulatory Affairs, at (843) 857-1329.

Sincerely,

A handwritten signature in black ink that reads "R. Michael Glover".

R. Michael Glover
Director - Site Operations, Robinson

RMG/mjp

Enclosure

c: V. M. McCree, NRC, Region II
M. C. Barillas, NRC Project Manager, NRR (w/o Enclosure)
NRC Resident Inspector
K. A. Collinsworth, DHEC

A handwritten signature in black ink that reads "TE25" over "NRC".

United States Nuclear Regulatory Commission
Enclosure to Serial: RNP-RA/14-0049
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H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
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ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT – 2013



ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT

DUKE ENERGY PROGRESS, INC.

H. B. ROBINSON STEAM ELECTRIC PLANT
Unit No. 2

2013



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

A	Annually
AR	Air Radioiodine/ Air Cartridge
AP	Air Particulate
AV	Aquatic Vegetation
BLV	Broadleaf Vegetation
C	Control
CR	Condition Report - Corrective Action Program
DEHNR	Department of Environmental Health and Natural Resources
ERA	Environmental Resource Associates
EZA	Eckert & Ziegler Analytics
FI	Fish
FP	Food Product
GPS	Global Positioning System
GW	Ground Water
I	Indicator
IR	Inner Ring - TLDs
ISFSI	Independent Spent Fuel Storage Installation
HBRSEP or RNP	H. B. Robinson Steam Electric Plant, Unit No. 2
HEEC	Harris Energy and Environmental Center
LLD	Lower Limit of Detection
M	Monthly
MDA	Minimum Detectable Activity
mrem	Millirem
NIST	National Institute of Standards and Technology
NRC	Nuclear Regulatory Commission
ODCM	Off-Site Dose Calculation Manual
OR	Outer Ring - TLDs
pCi/kg	picocurie per kilogram
pCi/l	picocurie per liter
pCi/m ³	picocurie per cubic meter
PIP	Problem Investigation Program
Q	Quarterly
REMP	Radiological Environmental Monitoring Program
RNP or HBRSEP	H. B. Robinson Steam Electric Plant, Unit No. 2
SA	Semiannually
SB	Sediment – Bottom
SS	Sediment – Shoreline
SI	Special Interest - TLDs
SW	Surface Water
TECH SPECs	Technical Specifications
TLD	Thermoluminescent Dosimeter
µCi/ml	microcurie per milliliter
W	Weekly

1.0 EXECUTIVE SUMMARY

The H. B. Robinson Steam Electric Plant, Unit No. 2 (HBRSEP) 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, HBRSEP Technical Specifications, and the HBRSEP Off-Site Dose Calculation Manual (ODCM) establish the requirements of the Radiological Environmental Monitoring Program (REMP). This report describes the HBRSEP REMP and the program results for January 1, 2013, through December 31, 2013.

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. Concentrations observed in the environment in 2013 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 attributable to plant operations were within limits as specified in the HBRSEP ODCM.

Monitoring results for environmental media are summarized as follows:

- Air-monitoring results are lower than the concentrations of radioactivity from pre-operation monitoring. These observations are also consistent with past operational data and control data other than during the timeframe of fallout from the 2011 Japan earthquake and tsunami which triggered the Fukushima Dai-ichi nuclear power plant incident.
- Milk monitoring has not been conducted due to the unavailability of milk samples in the area since July 17, 1998, when the dairy ceased operation. Milk sampling will resume if a new sample location is identified. Broadleaf sampling is conducted, since no milk animals are located within five miles of the plant in any sector.
- Terrestrial vegetation includes broadleaf vegetation and food products. Results indicate detectable concentrations of Cs-137 in both the indicator and control locations for broadleaf vegetation with comparable results. The Cesium-137 concentrations were also comparable to previous years. No other gamma by-product/plant-related activity was detected in any samples, except for K-40 and other naturally occurring gamma activity. Sampling of miscellaneous food products (non-leafy) in the vicinity of the site is conducted when leafy vegetables are not being grown. The concentrations identified were comparable to previous years' data.

- Aquatic organism surveillances include fish and aquatic vegetation. Fish samples revealed detectable concentrations of Cs-137 activity in both indicator and control locations. No other gamma by-product/plant-related activity was detected in any fish sample, except for K-40 and other naturally occurring gamma activity. The concentrations observed are consistent with previous years' data. The aquatic vegetation is used for long term trending and there is no dose contribution to the public.
- Surface water results indicate no by-product/plant-related gamma activity in 2013. Surface water (non-drinking water) results indicate that the surface water from Lake Robinson shows the presence of tritium, which is attributed to plant operation; but is well below the drinking water limit (20,000 pCi/Liter) and the EPA reportable non-drinking water limit (30,000 pCi/Liter). The tritium concentrations observed are not irreversible to the environment due to plant operations (See Figure 3.2-1) and are consistent with previous years' data. Refer to Section 3.0 Interpretations of Results.
- Ground water results show the presence of tritium; however, the results are well below the drinking water limit (20,000 pCi/Liter) and the EPA reportable non-drinking water limit (30,000 pCi/Liter). Refer to Section 3.0 Interpretations of Results.
- Sediment surveillance includes both shoreline and bottom sediment. The shoreline sediment gamma analyses identified naturally occurring gamma activity and no gamma by-product/plant-related activity was detected in any shoreline sediment sample collected in 2013. These samples are used to calculate groundplane dose to the public. During 2013, bottom sediment results indicated the presence of Cs-137 at concentrations consistent with previous years. Bottom sediment is used for long term trending and there is no public dose associated with these samples.
- External radiation dose showed no measurable change from pre-operational data.

The continued operation of HBRSEP has not significantly contributed radiation or the presence of radioactivity in the environmental media monitored. The measured concentrations of radioactivity are well within applicable regulatory limits.

2.0 INTRODUCTION

2.1 SITE DESCRIPTION AND SAMPLE LOCATIONS

Duke Energy's H. B. Robinson Steam Electric Plant, Unit No. 2 (HBRSEP) consists of a pressurized water reactor with a design rating of 800 MWe (Megawatts electric). The site is shared with a pulverized coal unit (Unit No.1), which established commercial operation in 1960. Unit 1 is now offline and is scheduled to be decommissioned. Commercial production was initiated by Unit No. 2 on March 7, 1971. The HBRSEP is located in Darlington County, South Carolina. The site is along state route 151 approximately five (5) miles northwest of Hartsville, South Carolina. The site is also approximately twenty five (25) miles northwest of Florence, South Carolina.

Lake Robinson is adjacent to the plant and is the source of cooling water. The lake was impounded during the construction of Robinson Unit No.1 (coal fired). The lake is fed by Black Creek and is approximately 2,250 acres in area. The plant intake is at the southern portion of the lake near the dam. The discharge is to a canal which conveys the cooling water to a point 4.2 miles north of the plant, where it returns to Lake Robinson.

The local economy supports primarily industrial and agricultural contributions. Fishing, boating, and swimming are popular activities on Lake Robinson and other nearby lakes. These activities contribute to the radiological pathways by consumption of fish and immersion related to swimming and boating. Consumption of milk and food products contributes to the ingestion pathway. No milk animals are located within five miles of the plant in any sector at this time, so broadleaf sampling is conducted to simulate the milk ingestion pathway.

Although the contribution to background radiation is small, Duke Energy Progress, Inc. has established this program to measure the exposure pathways to man. An exposure pathway describes the source of the radiological exposure. The primary forms of potential radiological emissions from the plant are airborne and liquid discharge. The 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, pre-operational monitoring, and results of the land use surveys. A number of locations are selected as controls. Control stations are selected because they are very unlikely to be affected by the operation of the plant. Figures 2.1-1 and 2.1-2 are maps depicting the HBRSEP Thermoluminescent Dosimeter (TLD) monitoring locations and the sampling locations. The location numbers shown on these maps correspond to those listed in Tables 2.1-A and 2.1-B.

2.2 SCOPE AND REQUIREMENTS OF THE REMP

The Radiological Environmental Monitoring Program (REMP) was established in 1973 at HBRSEP. Radiation and radioactivity in various environmental media have been monitored for 40 years. Monitoring is also provided for control locations, which would not be impacted by operations of the HBRSEP. Using these control locations and data collected prior to operation allows comparison of data collected at locations near the HBRSEP 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. The operational program provides surveillance and backup support of detailed effluent monitoring which is necessary to evaluate the significance, if any, of the contributions to the existing environmental radioactivity levels that result from station operation.

This monitoring program is based on NRC guidance as reflected in the HBRSEP Off-Site Dose Calculation Manual (ODCM), 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. The environmental monitoring program also verifies projected and anticipated radionuclide concentrations in the environment and related exposures from releases of radionuclides from HBRSEP. This program satisfies the requirements of Section IV.B.2 of Appendix I to 10 CFR 50 and provides surveillance of all appropriate critical exposure pathways to man and protects vital interests of the company, public and state and federal agencies concerned with the environment. Reporting levels for 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 HBRSEP Off-Site 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 HBRSEP 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 (reference 6.8):

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

Where:

\bar{x} = estimate of the mean,

i = individual sample,

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

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

2.3.2 LOWER 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.

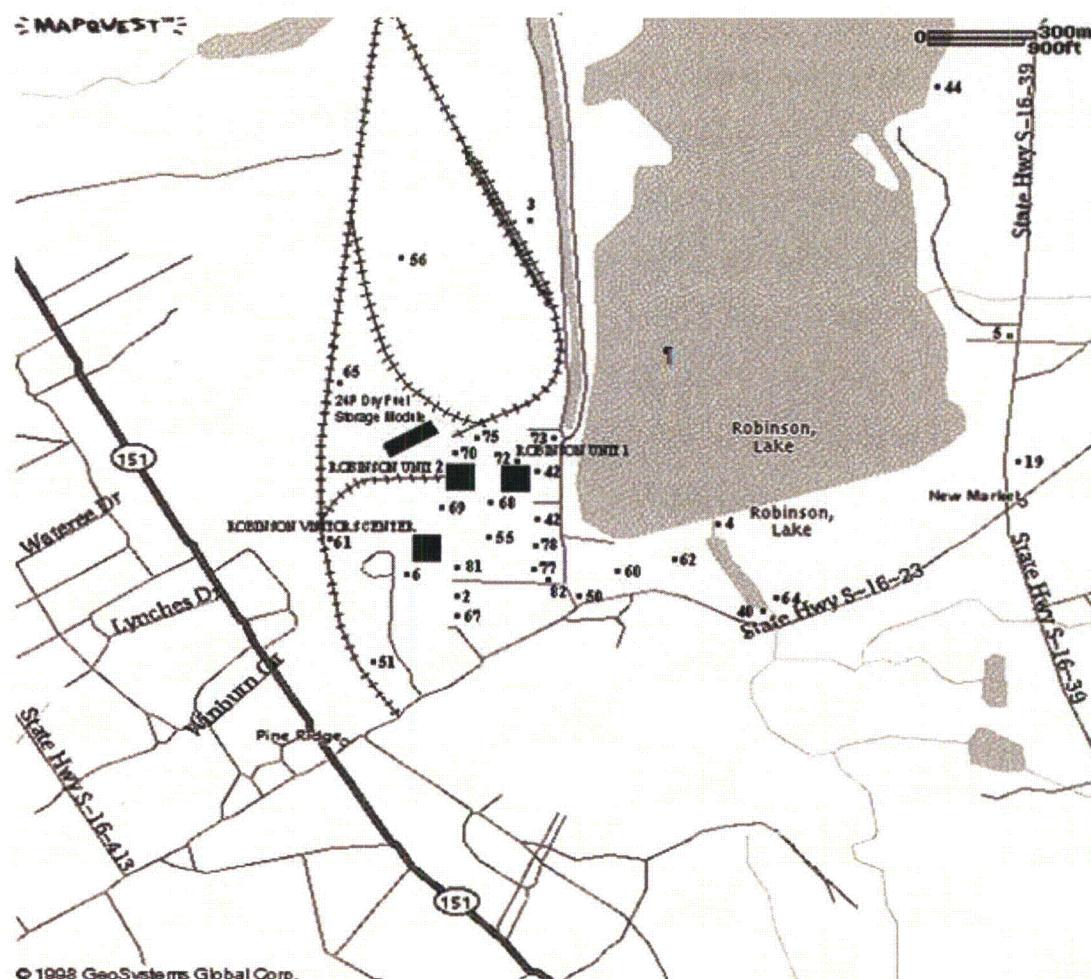
2.3.3 TREND IDENTIFICATION

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

Substantial increases or decreases in the amount of a particular radionuclide's release from the nuclear plant will greatly affect the resulting environmental levels; therefore, a knowledge of the release of a radionuclide from the nuclear plant is necessary to completely interpret the trends, or lack of trends, determined from the environmental data. 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 1986 Chernobyl accident and the 2011 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

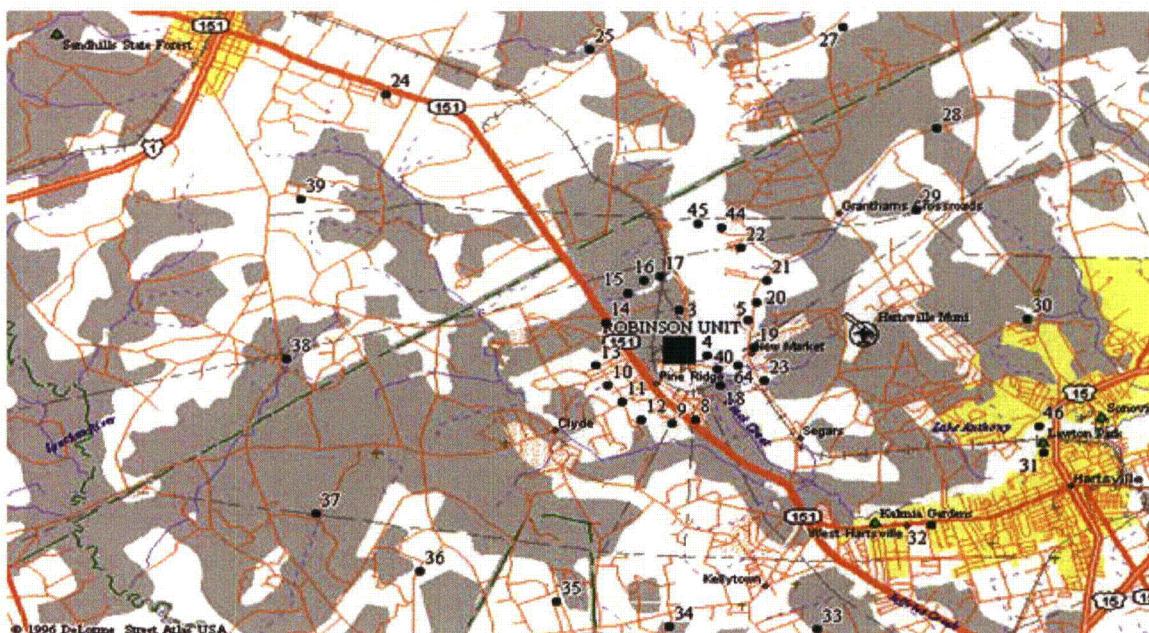
**Radiological Environmental Sampling Locations
(Near Plant)**



Sample Locations not shown include: 1, 7 - 18, 20 - 39, 41, 45 - 47, 49, 52, 54, 57, 58, 66, 71, 76, and 79.

Figure 2.1-2

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



Sample Locations not shown include: 1, 2, 6, 7, 26, 41, 42, 47 (varies), 50 - 52, 54 - 58 (varies), 60 - 62, 73, 75 - 79, and 81 - 82.

TABLE 2.1-A
H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2 (HBRSEP)
RADIOLOGICAL MONITORING PROGRAM SAMPLING LOCATIONS

Site #	Type	Location Description**	AR* & AP*	SW*	SS*	SB*	AV*	FP ^{(a)*}	Fish (FL)*	BLV ^{(b)*}	GW*
1	C	24.4 miles ESE Florence, S.C.	W/Q								
2	I	0.2 miles S Information Center	W/Q								
3	I	0.5 miles N Microwave Tower	W/Q								
4	I	0.4 miles ESE Spillway	W/Q								
5	I	0.9 miles ENE East shore of lake near Johnson's Landing	W/Q								
6	I	0.2 miles SSW Information Center	W/Q								
7	I	6.4 miles ESE CP&L facility on RR Avenue, Hartsville	W/Q								
40	I	0.6 miles ESE Black Creek at Old Camden Road (S-16-23) – Lake Robinson		M							
41	C	8.0 miles N Black Creek at US Hwy 1		M							
41	C	7.2 miles NNW Black Creek (upstream)			A	A					
42	I	Unit 1 Deep Wells									Q
44	I	1.6 miles NNE East shore of lake, Shady Rest Club		SA							
45	I	Site varies within Lake Robinson			A	A			SA		
46	I	Site varies within Prestwood Lake			A	A			SA		
47	C	Control station, Any lake not influenced by plant discharge							SA		
49	C	10.0 miles W or greater than 5 miles from plant						A ^(a)			
50	I	SSE Close to Site Boundary								M ^(b)	
51	I	SSW Close to Site Boundary								M ^(b)	
52	C	10 miles W near Bethune								M ^(b)	
54	I	10.1 miles E Auburndale Plantation (if irrigating from Black Creek)						A ^(a)			
55	I	0.2 miles SSE South of West Settling Pond	W/Q								
57	I	Ash Pond		M							
57	I	Ash Pond Shore			SA			A ^(a)			
58	I	Site varies from plant									
60	I	0.2 miles SE Robinson Picnic Area	W/Q								
61	I	0.3 miles WSW West Parking lot near RR tracks	W/Q								
62	I	SE Close to Site Boundary								M ^(b)	
64	I	0.6 miles SE Artesian Well									Q
66	I	Black Creek btwn Prestwood Lake discharge & upstream of Sonoco Spray Farm (downstream)		M		A	A				
67	I	S Close to Site Boundary								M ^(b)	
68	I	Well A Btwn Unit 1 Switchyard & breakroom									Q
69	I	Well B Behind the Training Building									Q
70	I	Well C Btwn O&M Building & Fab Shop									Q
71	I	0.87 miles NNW (MW-03A) Btwn Ash Pond & RR tracks									Q
72	I	0.10 miles E (MW-06) 20 ft from FP/FH 7 fire hydrant & Unit 1 North Deep Well Pump									Q
73	I	0.11 miles ENE (MW-13) Btwn Discharge Canal & Unit 1 Stand Alone Fuel Oil Tanks									Q
75	I	0.05 miles NE (PSW-02) By Unit 1 boundary Fence to Unit 2 across paved rd. from Hydrogen Gas Tanks									
76	I	0.49 miles N (PSW-03) NE corner of MET Tower Station									Q
77	I	0.25 miles SSE (TS-01B) By entrance road to Unit 1									Q
78	I	0.17 miles SSE (TS-02C) NE corner by East Settling Pond influent by fence									Q
79	I	1.0 miles N (TS-07C) S corner by cove & Discharge Canal									Q
81	I	0.19 miles SSE (TS-17B) W of West Settling Pond across paved road									Q
82	I	0.3 miles SSE (PDW-01) By entrance road to Unit 1									Q

(a) During Harvest/Growing Season

(b) When Available

* Refer to List of Acronyms Used in this Text in Table of Contents

**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

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2 (HBRSEP)

RADIOLOGICAL MONITORING PROGRAM SAMPLING LOCATIONS (TLD SITES)

Table 2.1-B Codes

C	Control
IR	Inner Ring
OR	Outer Ring
SI	Special Interest

Site #	Measure Type	Location*	Distance (miles)*	Sector	Site #	Measure Type	Location*	Distance (miles)*	Sector
1	C	Florence, SC	24.4	ESE	23	IR	New Market Road (#S-16-39)	1.0	ESE
2	IR	Information Center ^{1,2}	0.2	S	24	OR	Sowell Road (#S-13-711)	4.6	NW
3	IR	Microwave Tower	0.5	N	25	OR	Lake Robinson Road (#S-13-346)	4.0	NNW
4	IR	Spillway	0.4	ESE	26	OR	Lake Robinson Road (#S-13-346)	5.0	N
5	IR	East shore of lake near Johnson's Landing	0.9	ENE	27	OR	Prospect Church Road (#S-13-763)	5.4	NNE
6	IR	Information Center ^{1,2}	0.2	SSW	28	OR	New Market Road (#S-13-39)	4.3	NE
7	OR	CP&L Facility on RR Avenue, Hartsville	6.4	ESE	29	OR	Ruby Road (#S-16-20)	4.0	ENE
8	IR	Transmission right-of-way	0.8	SSE	30	OR	Ruby Road (#S-16-20)	4.4	E
9	IR	Transmission right-of-way	1.0	S	31	OR	Lakeshore Drive	4.6	ESE
10	IR	Clyde Church of God	1.0	WSW	32	OR	Transmission right-of-way	4.0	SE
11	IR	Old Camden Road	1.0	SW	33	OR	Bay Road (#S-16-493)	4.5	SSE
12	IR	Off of Old Camden Road	1.2	SSW	34	OR	Kellybell Road (#S-16-772)	4.7	S
13	IR	Corner of Saluda and Sandpit Roads	0.7	W	35	OR	Kelly Bridge Road (#S-31-51)	4.5	SSW
14	IR	First Baptist Church of Pine Ridge	0.8	WNW	36	OR	Kingston Drive	5.0	SW
15	IR	Transmission right-of-way	0.7	NW	37	OR	Pine Cone Road	5.0	WSW
16	IR	South side of Darlington Co. I.C. Turbine Plant	1.0	NNW	38	OR	Union Church Road	4.9	W
17	IR	Darlington Co. Plant emergency fire pump	1.2	N	39	OR	King's Pond Road	5.1	WNW
18	IR	Near Old Black Creek RR trestle	0.7	SE	55	IR	South of the West Settling Pond	0.2	SSE
19	IR	Old Camden Road (#S-16-23)	1.0	E	56	IR	North of the center of the 7P-ISFSI ^{1,2}	0.4	NNW
20	IR	New Market Road (#S-16-39)	1.0	ENE	61	IR	West Parking lot near RR tracks ²	0.3	WSW
21	IR	New Market Road (#S-16-39)	1.4	NE	65	IR	Northwest of the 24P-ISFSI ²	0.3	WNW
22	IR	Shady Rest entrance off of Cloverdale Drive	1.7	NNE					

1 Required for monitoring of the 7P-ISFSI

2 Required for monitoring of the 24P-ISFSI

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

(a) For drinking water samples. 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.

“----” represents no specified limits

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	Monthly Composite	X	X			
Ground Water	Quarterly	X	X			
Ground Water (#68)	Quarterly	X	X	X		
Ground Water (#82)	Quarterly	X	X	X	X	
Bottom Sediment	Annually	X				
Shoreline Sediment	Semiannually	X				
Fish	Semiannually	X				
Aquatic Vegetation	Annually	X				
Broadleaf Vegetation	Monthly ^(a)	X				
Food Products	Annually ^(b)	X				

(a) When Available

(b) At harvest

TABLE 2.2-C
LOWER LIMITS OF DETECTION (LLD)^(a)

Analysis	Water (pCi/liter)	Airborne (pCi/m ³)	Fish (pCi/kg-wet)	Milk (pCi/liter)	Food Products (pCi/kg-wet)	Sediment (pCi/kg-dry)
Gross Beta	----	0.01	----	----	----	----
H-3	2000 ^(c)	----	----	----	----	----
Mn-54	15	----	130	----	----	----
Fe-59	30	----	260	----	----	----
Co-58, 60	15	----	130	----	----	----
Zn-65	30	----	260	----	----	----
Zr-Nb-95 ^(b)	15	----	----	----	----	----
I-131	1 ^(d)	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 ^(b)	15	----	----	15	----	----

(a) The LLD is defined in Section 2.3.2.

(b) The specified LLD applies to the daughter nuclide of an equilibrium mixture of the parent and daughter nuclides.

(c) If no drinking water pathway exists, a value of 3000 pCi/liter may be used.

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

“----” represents no specified limits

3.0 INTERPRETATION OF RESULTS

The following section depicts and explains the review of the REMP results conducted during 2013 for the H. B. Robinson Steam Electric Plant, Unit No. 2 (HBRSEP) and fulfills the reporting requirements of Technical Specifications and HBRSEP ODCM. Review of all 2013 REMP analysis results was performed to identify changes in environmental levels as a result of HBRSEP operations. Sample data for 2013 was compared to preoperational and historical data.

Evaluation for significant trends was performed for radionuclides that are listed as required within HBRSEP 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. HBRSEP 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 HBRSEP liquid effluents which contained the radionuclides.

The purpose of the REMP is to measure accumulation of radioactivity in the environment, to determine whether this radioactivity is the result of the operation of the HBRSEP, Unit No. 2, and to assess the potential dose to the off-site population based on the cumulative measurements of radioactivity of plant origin. Approximately 1,458 samples were collected from indicator and control locations and 1,578 analyses and measurements were made during 2013. Detectable radioactivity resulting from plant operation was found in 25 out of 36 indicator samples of surface water (Appendix B). Only the tritium activity measured in the surface water of Lake Robinson and in fish samples constituted a source of public exposure. The highest concentration of any plant related radionuclide releases to the environment was tritium in Lake Robinson at an average concentration of 3.136E+3 pCi/Liter. Using the methodology of Regulatory Guide 1.109 "Calculation of Annual Doses to Man from Routine Releases of Reactor Effluents for the Purpose of Evaluating Compliance with 10 CFR Part 50, Appendix I, Revision 1, dated October 1977," via fish consumption, is listed below. The maximum possible exposure to an individual from the evaporation of tritium in Lake Robinson using 2013 meteorology is 0.192 mrem/yr. to a child. Radioactivity in environmental samples attributed to plant operations in 2013 for which there is a potential dose pathway to the public is seen in Table 3.0-A.

<u>Age Group</u>	<u>2013 Dose (mrem)</u>
Adult	0.007
Teenager	0.005
Child	0.004

A change occurred in 2013 (end of March, first of April) 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 all laboratory services were consolidated at the EnRad Laboratory in Huntersville, N.C.

Review of all 2013 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 HBRSEP and surrounding areas that were attributable to plant operations. The radiological environmental data for 2013 indicates that radioactivity concentrations were not higher than expected and all positively identified measurements attributable to HBRSEP operations in 2013 were within limits as specified in the HBRSEP ODCM, thus presenting no significant impact on the environment or public health and safety. A statistical summary of all the HBRSEP data for 2013 has been compiled and summarized in Appendix B along with any plant-derived activity detected within the scope of the REMP.

Table 3.0-A HBRSEP Potential Dose Pathway

Environmental Media	Radionuclide	Location w/Highest Annual Mean	Activity and Occurrence	Maximum Individual Dose (mrem/yr)
Surface Water	H-3 (tritium)	Lake Robinson (SW-40)	3.136 pCi/L (12/12)	0.007 millirem/yr – Adult (from fish)
Surface Water	H-3 (tritium)	Lake Robinson (SW-40)	3,136 pCi/L (12/12)	0.192 millirem/yr – child (Evaporation from Lake Robinson using HBRSEP 2013 Meteorology Data)*

*This is information supplied by Murray and Trettel, Inc. in their report "Impact of Tritium Release from Lake Robinson at the Robinson Nuclear Plant for 2013."

3.1 AIRBORNE RADIOIODINE AND PARTICULATES

All 520 air cartridge/radioiodine (AC) samples from indicator and control stations had I-131 concentrations less than the ODCM LLD of 7.00E-2 pCi/m³. There are nine indicator sites for a total of 468 indicator samples and one control site for a total of 52 control samples during the 2013 collection year. The air samplers operated for a total of 99.63% availability for the 2013 year.

For the period of January 1, 2013, to December 31, 2013, the gross beta activity was detectable in all airborne particulate (AP) samples, with acceptable runtime, from the nine indicator locations and the control location. The 467 indicator samples had an average concentration of 1.82E-2 pCi/m³. Similar gross beta activities were observed at the control location in Florence, which had an average concentration of 1.74E-2 pCi/m³ in 52 control samples. Figures 3.1-1 through 3.1-9 provide a graphic representation of the gross beta activity at the indicator locations compared to the control location for the year 2013. No plant-related gamma activity was observed for any air particulate filters analyzed during 2013. The 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 2013 collection year.

No plant-related gamma activity was detected in quarterly composite filter samples from either the indicator or control locations during 2013. HBRSEP 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

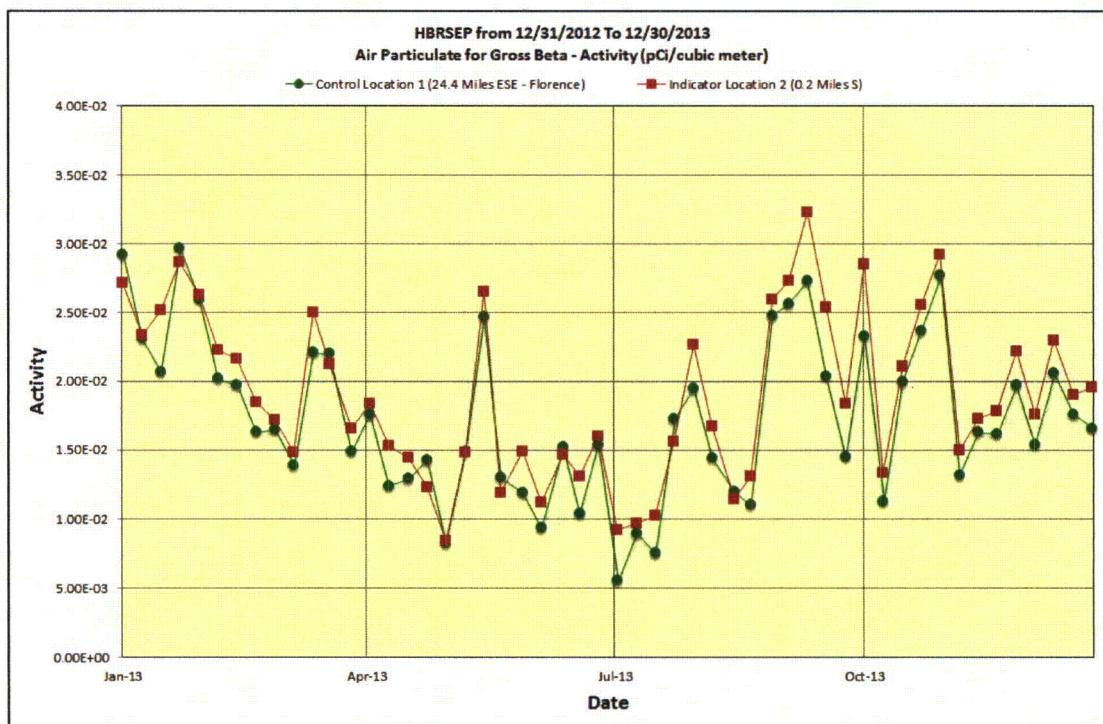


Figure 3.1-2

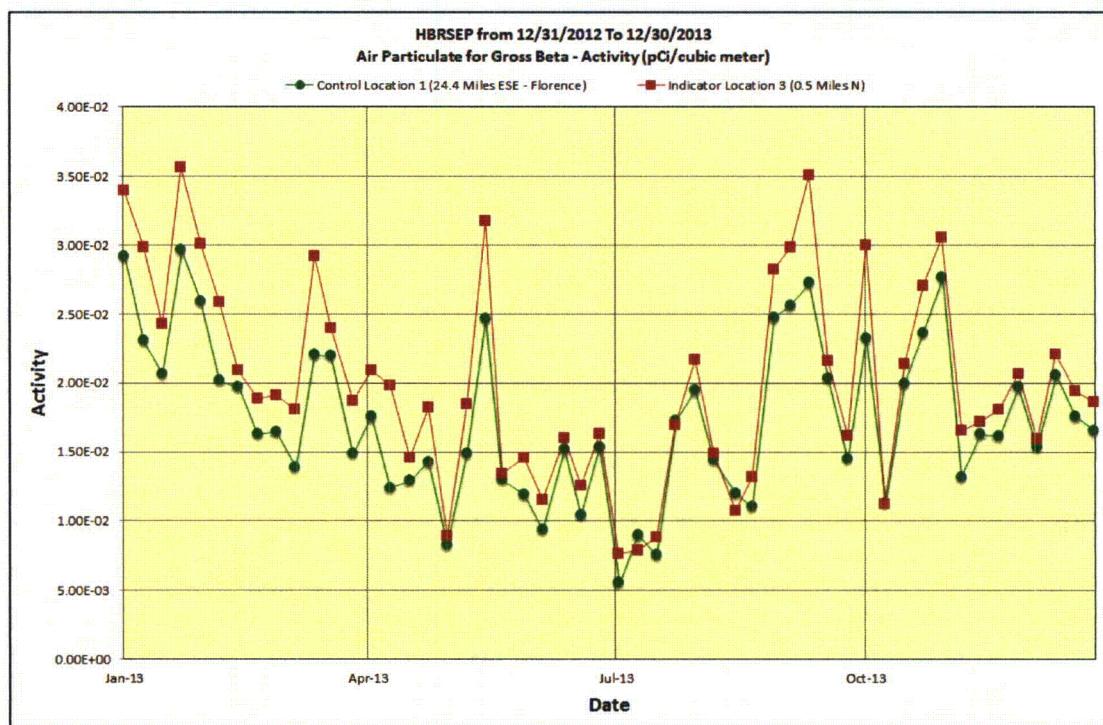


Figure 3.1-3

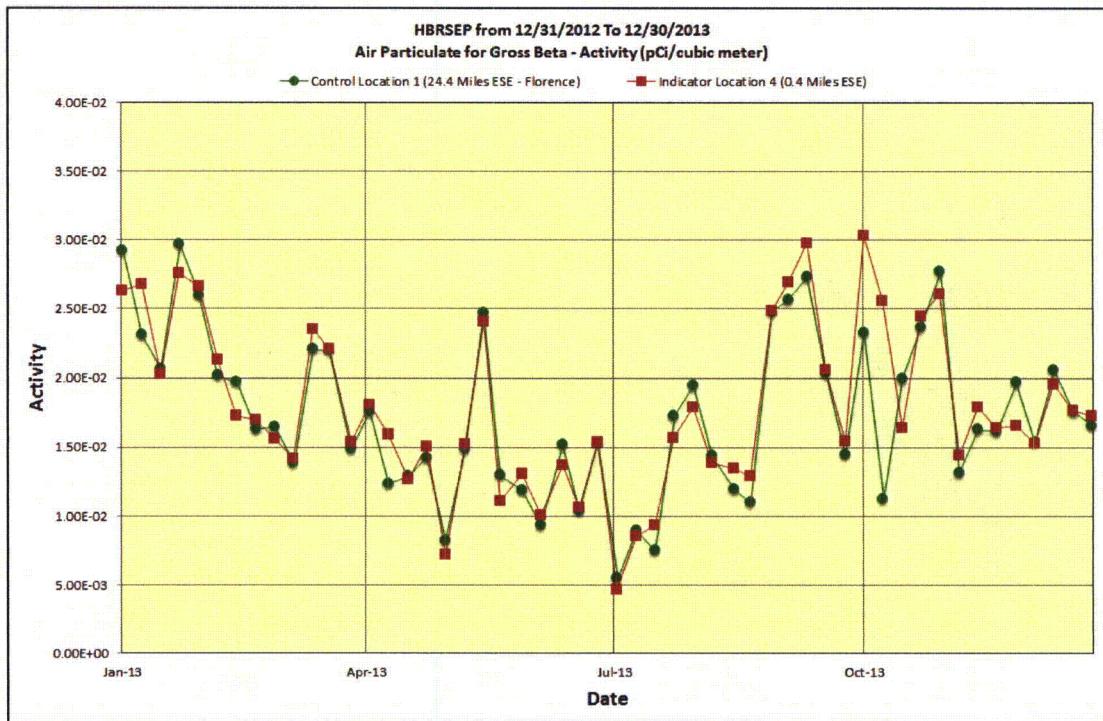


Figure 3.1-4

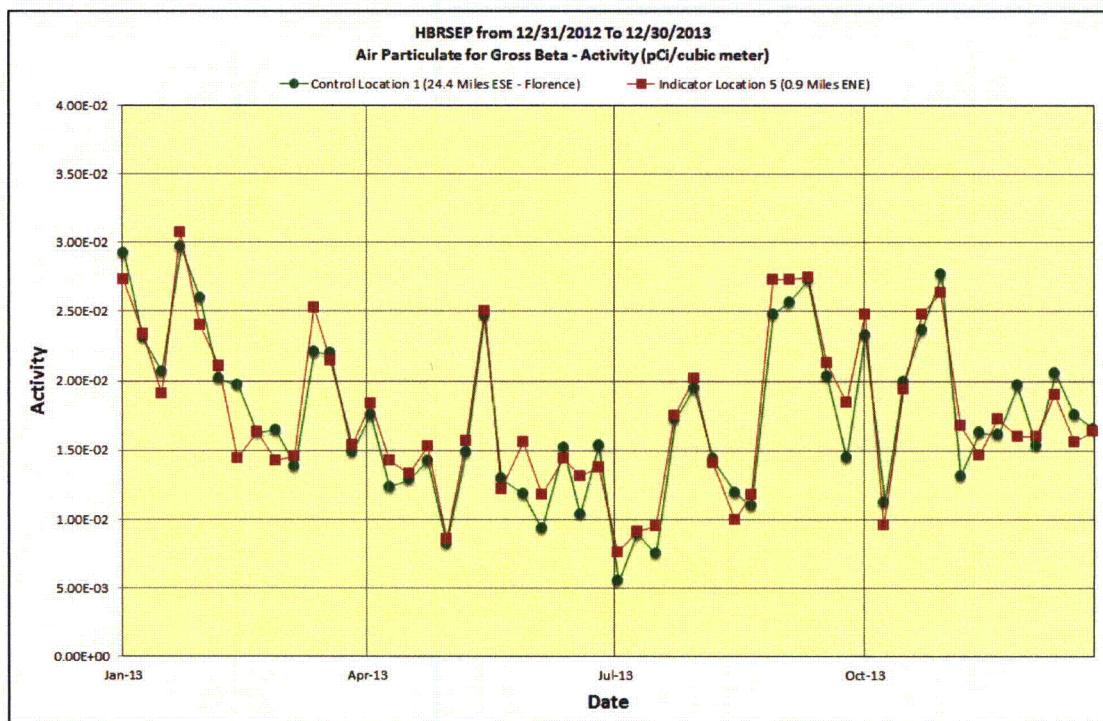


Figure 3.1-5

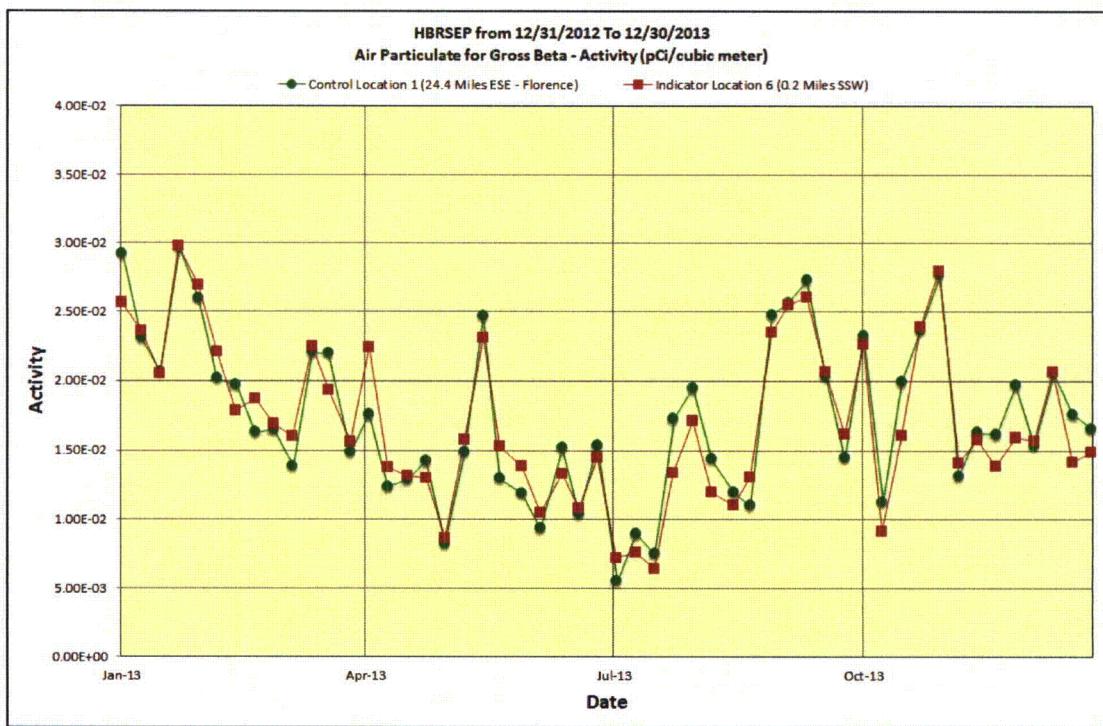


Figure 3.1-6

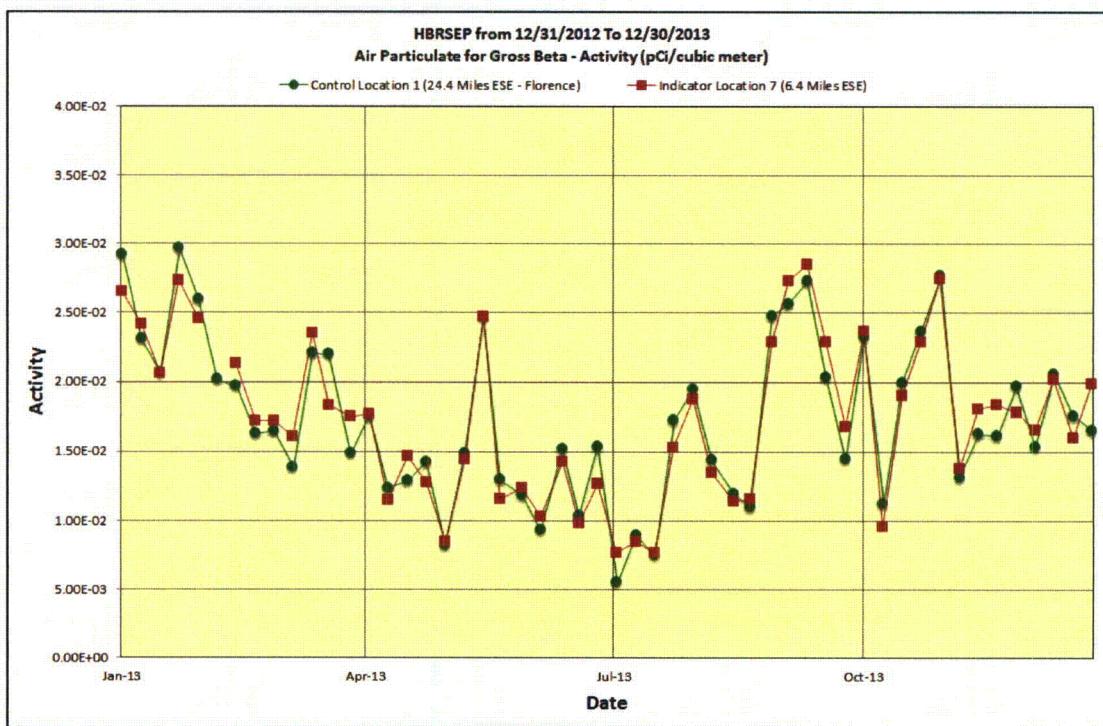


Figure 3.1-7

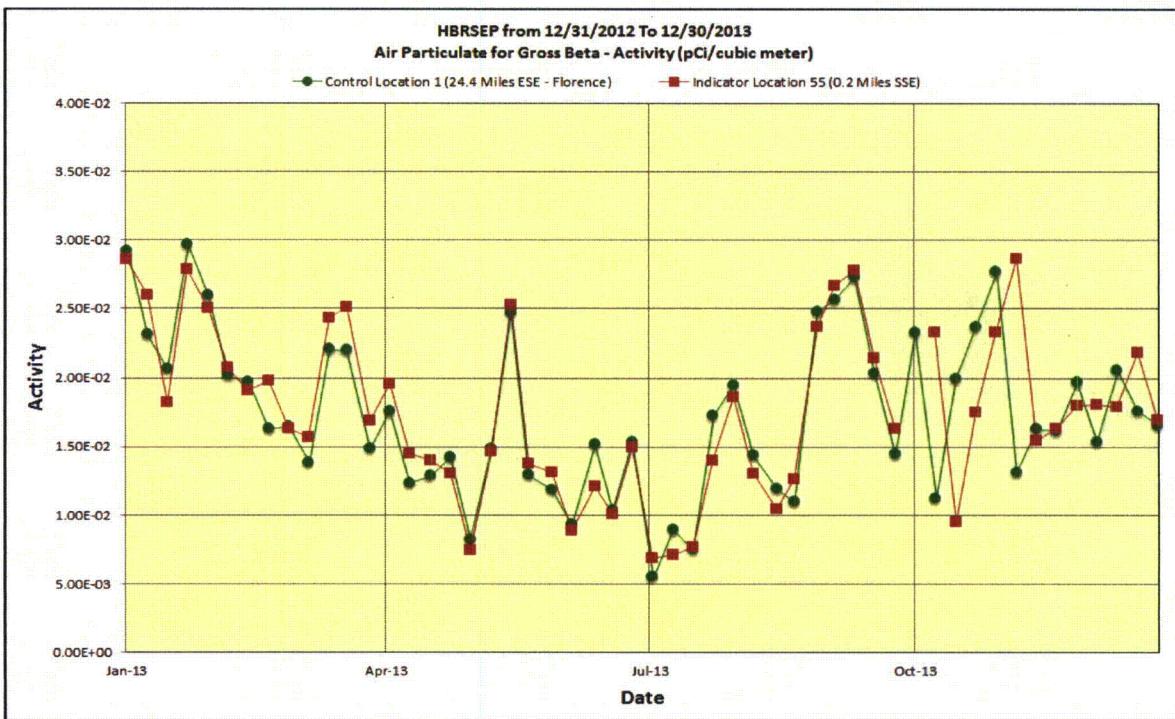


Figure 3.1-8

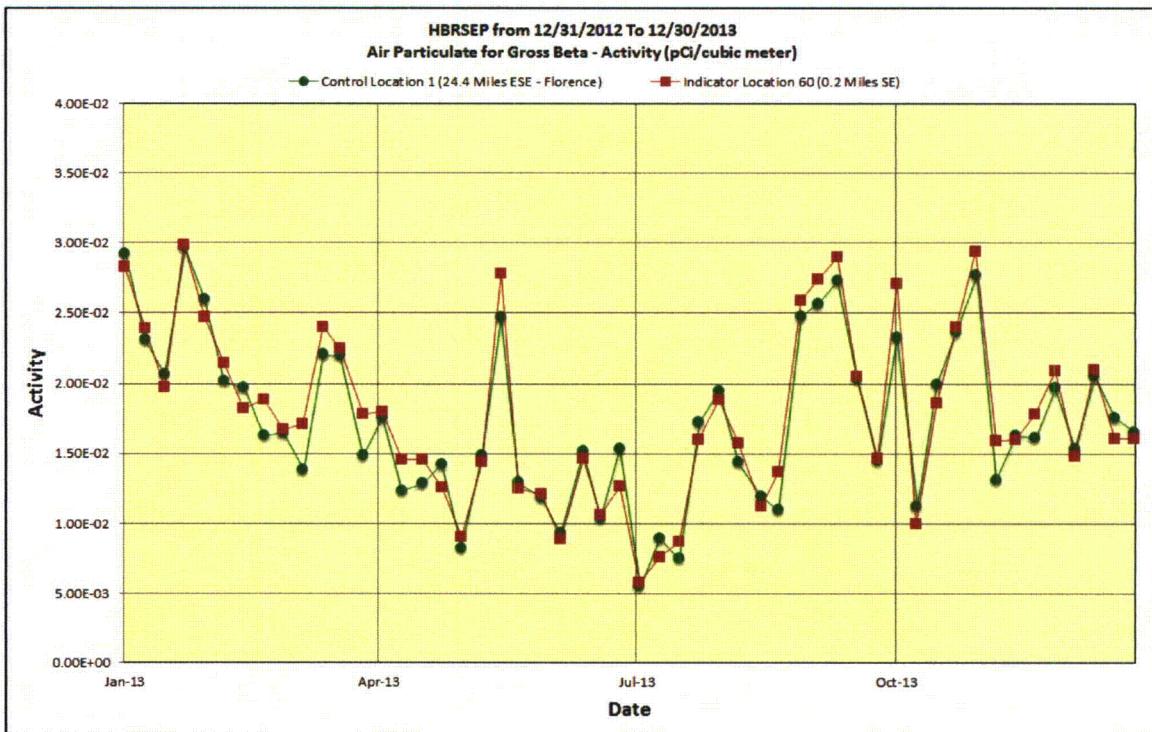
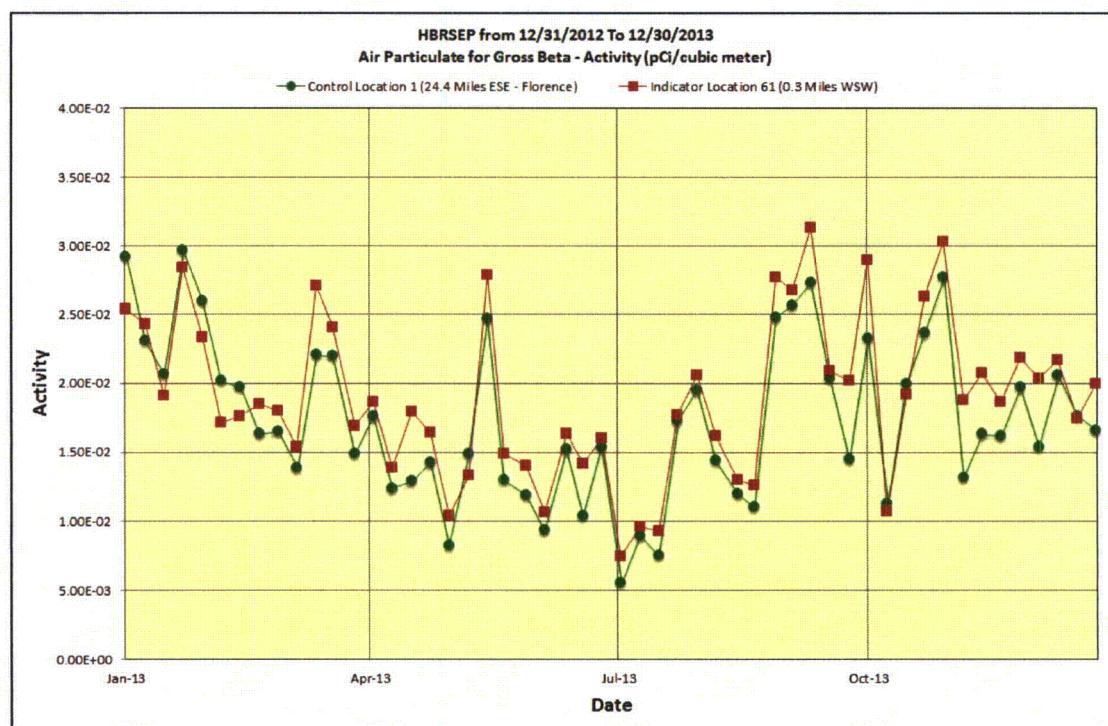


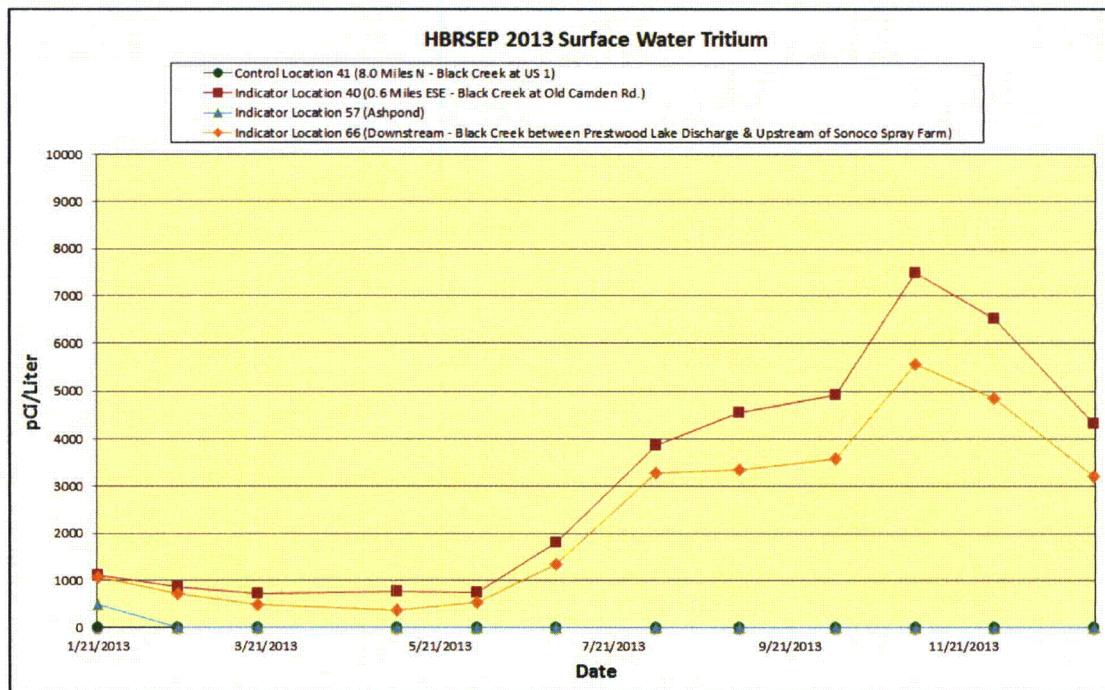
Figure 3.1-9



3.2 SURFACE WATER

Surface water (SW) composite samples are sampled monthly and analyzed for gamma emitting radionuclides and for tritium radioactivity. The analyses indicated that no detectable concentrations of gamma – emitting radionuclides relating to plant effluents appeared in any of the indicator and control samples. All concentrations of natural occurring gamma-emitters were less than their respective LLDs (see Table 2.2-C). None of the control samples indicated the presence of tritium; however, 25 out of 36 indicator samples did indicate the presence of tritium in 2013. The average annual tritium activity was $2.66E+3$ pCi/L, with the results ranging from $3.67E+2$ pCi/L to $7.48E+3$ pCi/L. The surface water indicator location with the highest tritium mean in 2013 was the Lake Robinson surface water (SW-40 - Black Creek at Old Camden Rd.) with a mean of $3.14E+3$ pCi/L, and results ranging from $7.30E+2$ pCi/L to $7.48E+3$ pCi/L; which is attributed to plant operation. Lake Robinson's tritium activity is cyclic and follows HBRSEP's fuel cycle. Figure 3.2-1 displays the tritium activity throughout 2013 for all surface water samples. These surface waters do not supply drinking water at any downstream location and are not typically used for irrigation. Therefore, radiological dose via this pathway (surface water) is limited to the consumption of fish (0.007 mrem/yr.) and evaporation of tritium (0.192 mrem/yr. using RNP 2013 Meteorology Data) from Lake Robinson and its subsequent inhalation and ingestion from vegetable gardens and meat producing animals. Using the methodology of Regulatory Guide 1.109, a dose of 0.199 millirem/year to the maximum exposed individual could be assigned to this pathway.

Figure 3.2-1



3.3 GROUND WATER

Ground water (GW) samples are collected and analyzed quarterly for gamma emitters and tritium. Some of the ground water samples are also analyzed for low-level radioiodine and for gross beta. No by-product/plant-related gamma activity associated with plant operations was detected in the sixty (60) indicator samples of ground water collected in 2013. Some gamma LLDs were not met, for third quarter 2013 ground water samples, due to analysis counting constraints which stemmed from lengthy hold times on the samples (see Appendix D). The measured concentrations of the gamma analyses indicated concentrations below their required LLD as specified in the HBRSEP ODCM in Table 4.1-3 titled “Lower Limit of Detection (LLD)” for the year 2013 and Table 2.2-C of this report.

The ground water samples had detectable concentrations of tritium activity in twenty-five (25) out of sixty (60) samples, for an average concentration of 5.85E+2 pCi/L; with a range of 1.65E+2 pCi/L to 1.69E+3 pCi/L. The measured ground water tritium concentrations were below the required HBRSEP ODCM Table 4.1-3 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. HBRSEP administratively established a ground water tritium analysis LLD of approximately 250 pCi/L, which is well below the requirements specified in the HBRSEP ODCM. These tritium results are also well below the EPA reportable drinking water limit (20,000 pCi/Liter) and the non-drinking water limit (30,000 pCi/Liter).

During 2013, eight (8) ground water indicator samples were analyzed for I-131 to the HBRSEP ODCM drinking water limit (<1 pCi/L). No detectable concentrations of I-131 activity were detected in the eight samples; however, two of the eight samples, from third quarter 2013, did not meet the required HBRSEP ODCM LLD for drinking water (see Appendix D). Also during 2013, four (4) GW indicator samples were analyzed for gross beta activity, with activity present in all four samples, for an average concentration of 1.81 E+0 pCi/L, with a range of 1.29E+0 pCi/L to 3.04E+0 pCi/L. Refer to Appendix C or Appendix D for deviations and unavailable samples in the 2013 collection year.

3.4 MILK / BROADLEAF VEGETATION

Milk monitoring has not been conducted due to the unavailability of milk samples in the area since July 17, 1998, when the dairy ceased operation. Milk sampling will resume if a new sample location is identified. Broadleaf sampling is conducted since no milk animals are located within a radius of approximately five miles of the plant in any sector and is used to calculate dose to an individual via the vegetation-milk-man pathway.

Broadleaf vegetation sampling is accomplished by collecting cherry, sassafras, and wax myrtle leaves in 2013. Three species of samples, when available, are collected monthly at five locations (one control and four indicator locations at the site boundary selected using historical meteorology with the highest calculated annual average ground level deposition). Broadleaf sampling is conducted since no milk animals are located within a radius of approximately five

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

During 2013, 27 of 60 samples taken from the indicator sites demonstrated detectable concentrations of Cs-137 for an average value of 4.81E+1 pCi/kg (wet). The control samples had detectable concentrations of Cs-137 in 8 of 15 samples with a mean concentration of 5.31E+1 pCi/kg (wet). Upon comparing these results, it is concluded that the indicator values reflect fallout Cs-137 contamination. Past sampling experience further supports this interpretation. Refer to Appendix C and Appendix D for deviations and unavailable samples in the 2013 collection year.

3.5 FOOD PRODUCTS

During 2013, one food product (FP) sample was collected from the control location (FP-49) and from each of the indicator locations (FP-54 and FP-58). Collards were collected from the control location (FP-49) and one indicator location (FP-58), while wheat was collected from indicator location FP-54 at Auburndale Plantation due to this area being irrigated by water in which liquid plant effluents have been discharged. No gamma activity associated with plant operation was detected in any control or indicator samples for the 2013 collection period.

3.6 AQUATIC VEGETATION

The aquatic vegetation samples are considered to be sensitive environmental indicators used as long term trending and do not constitute a dose pathway. In 2013, there were three aquatic vegetation indicator samples and one aquatic vegetation control sample collected. The aquatic vegetation samples collected pose no radiological dose consequence since this is not a dose pathway to the general public. Gamma analyses of the aquatic vegetation samples detected no plant-related activity in any of the samples, other than natural occurring gamma activity.

3.7 FISH

Samples of free-swimming and bottom-feeding fish were taken from Lake Robinson and Prestwood Lake (the first downstream lake) and compared to similar fish from a control lake, which is unaffected by plant operation. During 2013, 4 out of 4 bottom-feeding fish and 4 out of 4 free-swimming fish (indicator sites) demonstrated detectable concentrations of Cs-137 for an average value of 2.51E+1 pCi/kg (wet) and 3.69E+1 pCi/g (wet), respectively. The control samples had detectable concentrations of Cs-137 for 2 out of 2 bottom-feeding fish and 2 out of 2 free-swimming fish for an average concentration of 2.61E+1 pCi/kg (wet) and 5.97E+1 pCi/kg (wet), respectively. Upon comparing these results, it is concluded that the 2013 indicator values reflect fallout Cs-137 contamination. Past sampling experience further supports this interpretation.

3.8 SHORELINE SEDIMENT

In 2013, no gamma activity associated with plant operation was detected in any sample in the semiannual shoreline sediment samples. Only naturally occurring gamma activity was detected. No Cs-137 activity was detected in 2013; however, Cs-137 activity has been detected in shoreline sediment samples in past years, which was attributed to worldwide fallout and not the plant operation.

3.9 BOTTOM SEDIMENT

During 2013, a total of three bottom sediment samples were analyzed from the indicator location and one from the control location. The bottom sediment samples are used as indicators of buildup of radioactivity in the environment and do not constitute a dose pathway. Cs-137 activity was detectable in one of the three indicator bottom sediment samples in 2013, with a single concentration of 3.68E+2 pCi/kg (dry). The control sample indicated detectable Cs-137 activity with a concentration of 1.69E+2 pCi/kg (dry). This concentration is similar to previous years and does not indicate a buildup in the environment. No other gamma activity, except for naturally occurring gamma activity, was detected in the annual bottom sediment samples in 2013.

3.10 ASIATIC CLAMS

Benthic samples from Lake Robinson during 2013 continue to confirm the absence of any substantial populations of Asiatic clams (*Corbicula fluminea*). The natural chemistry of the lake (i.e., low alkalinity and hardness) inhibits their proliferation.

3.11 DIRECT GAMMA RADIATION

3.11.1 ENVIRONMENTAL TLD

In 2013, 169 TLDs were analyzed, 165 at indicator locations and 4 at the control location. TLDs are collected and analyzed quarterly.

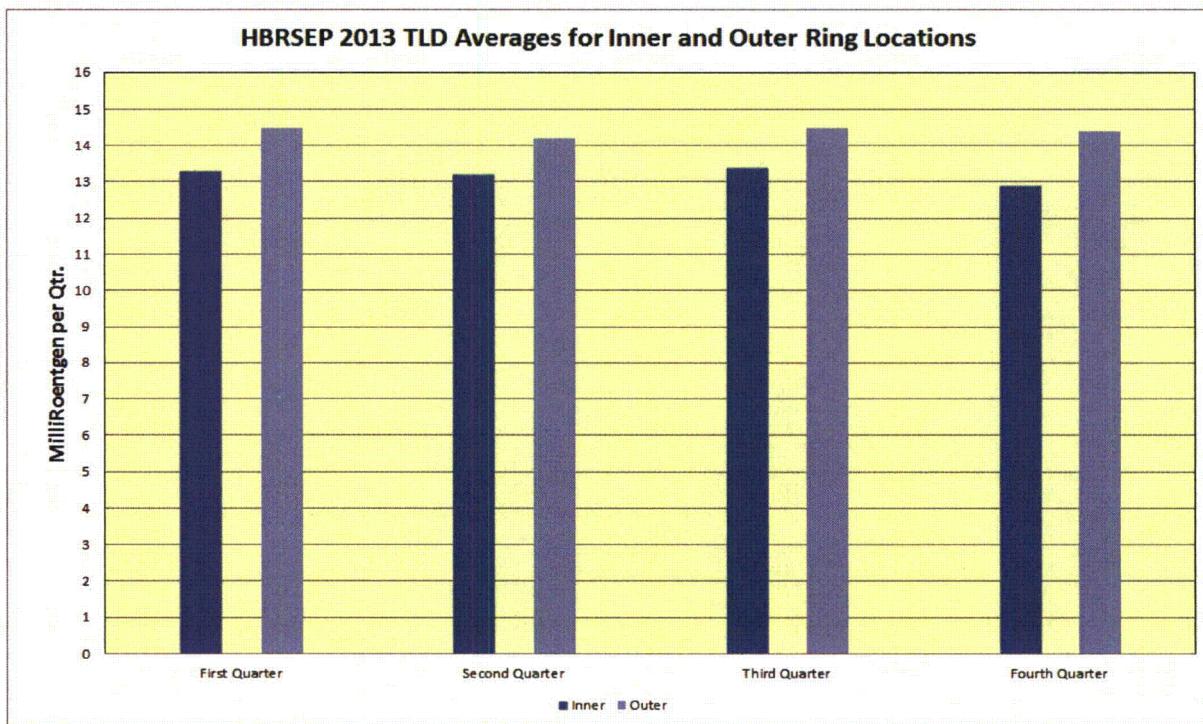
Thermoluminescent dosimeters (TLDs) were used to monitor ambient radiation exposures in the plant environs. The average quarterly exposure at the indicator and control locations was 13.7 mR/std. qtr. and 12.1 mR/std. qtr. respectively. The highest indicator location for 2013 was TLD location #35 at 4.5 miles SSW at Kelly Bridge Road (#S-31-51) and its average was 21.2 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 HBRSEP 2013 collection period (CR # 601951 and CR # 616846/ PIP # G-13-01474).

Comparison of the quarterly TLD exposure within approximately 1 mile (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 all four quarters of 2013 are slightly lower than the outer ring TLD exposures.

Each area monitoring station includes a TLD packet which is a polyethylene bag containing three calcium sulfate phosphors contained in a Panasonic UD-814 badge. The TLD is light tight and the bag is weather-resistant.

Dosimeters are machine annealed before field placement. Following exposure in the field, each dosimeter is read utilizing a Panasonic TLD reader. The instrument integrates the light photons emitted from traps as the dosimeter is heated. Calibration is calculated using dosimeters irradiated to known doses for each set of dosimeters measured. Prior to the measurement of each dosimeter, the instrument is checked through use of an internal constant light source as a secondary standard. The exposure reported is corrected for exposure received in transit and during storage through the use of control dosimeters.

Figure 3.11.1



3.12 LAND USE CENSUS

The 2013 HBRSEP Annual Land Use Census was conducted in July, 2013 to meet the requirements of the HBRSEP ODCM 4.4.1. Table 3.11.3 summarizes the HBRSEP 2013 census results. During the 2013 census no milk locations were identified within five miles (8 kilometers) of HBRSEP. Based on a review of sampling requirements, existing/new sample locations, and relative depositions values, no new environmental program changes were required as a result of the 2013 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 conducted once per 12 months during the growing season. This information is used for dose assessment and to identify changes to the stations sampled and the type of samples. These results ensure that the Radiological Environmental Monitoring Program (REMP) is based upon current data regarding human activity in the vicinity of the plant. Therefore, the purpose of the land use census is 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 products that may have radioactive materials deposited on them, incorporated radioactive materials from the soil or atmosphere. Another pathway is through drinking milk from local cows or goats, if 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 nearest meat/egg producing 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 HBRSEP Land Use Census was performed July 2013 to meet the requirements of the HBRSEP's ODCM. The last HBRSEP land use census was performed in August 2012. The 2012 and 2013 results of the survey for the nearest resident, garden, milk and meat/egg producing animal for each meteorological sector are compared in Table 3.12.3.

No milk producing animals were identified within the five-mile radius of the site in any sector. Milk sampling will resume if a new sample location is identified. Also, no garden (at the time of the census) was currently growing leafy vegetables. Vegetables like tomatoes, squash, okra, cucumbers, etc. are examples of the vegetables of choice for this area and are what is typically grown and sampled in the past. Sampling of these vegetables (non-leafy) will continue until leafy vegetables can be identified. The results of the 2013 Land Use Census and 10 year average meteorological data were reviewed. No changes in release pathways were identified as a result of the land use census that would require an ODCM change, additional dose calculations, or procedure changes were identified.

Table 3.12.3 HBRSEP Land Use Census Comparison (2012 – 2013)

Nearest Pathway (Miles)**

SECTOR	RESIDENT		GARDEN		MEAT/EGG ANIMAL		MILK ANIMAL	
	2012	2013	2012	2013	2012	2013	2012	2013
N	2.81	2.81	3.29	2.81*	4.75	2.81*	---	---
NNE	1.51	1.51	2.08	2.08	2.71	2.71	---	---
NE	1.03	1.03	2.71	2.71	---	---	---	---
ENE	0.83	0.83	1.07	1.07	---	---	---	---
E	0.90	0.90	1.05	1.05	2.98	2.98	---	---
ESE	0.62	0.62	1.28	1.28	---	---	---	---
SE	0.38	0.38	1.80	0.38*	2.00	2.00	---	---
SSE	0.33	0.33	2.37	2.37	2.37	2.37	---	---
S	0.40	0.40	2.25	2.25	2.62	2.62	---	---
SSW	0.37	0.37	0.84	0.84	0.93	0.84*	---	---
SW	0.46	0.46	---	---	---	---	---	---
WSW	0.45	0.45	0.88	0.88	0.88	0.88	---	---
W	0.54	0.54	0.70	0.70	---	---	---	---
WNW	0.60	0.60*	0.83	0.83	4.27	4.27	---	---
NW	1.59	1.59	2.49	2.49	2.40	2.40	---	---
NNW	2.04	2.04	3.80	3.80	---	---	---	---

* Represents a change from the previous year.

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

** Sector and distance determined by Global Positioning System.

4.0 QUALITY ASSURANCE

4.1 SAMPLE COLLECTION

Environmental sample collection was performed by HBRSEP Chemistry Fisheries, and Aquatic Ecology as specified by approved sample collection procedures in 2013.

4.2 SAMPLE ANALYSIS

HEEC Laboratories performed the environmental sample analyses (January – April, 2013) as specified by approved analysis procedures. HEEC Laboratories were located in New Hill, North Carolina, at Progress Energy’s Environmental Center until the merger decommissioned the lab and services were consolidated at the EnRad Laboratory in Huntersville, North Carolina. EnRad Laboratories performed the environmental sample analyses (May – December, 2013) as specified by approved analysis procedures. EnRad Laboratories is located in Huntersville, North Carolina, at Duke Energy Progress Inc.’s Environmental Center.

4.3 DOSIMETRY ANALYSIS

The Radiation Dosimetry and Records group at the Harris Energy and Environmental Center (HEEC) in New Hill, NC performed environmental dosimetry measurements as specified by approved dosimetry analysis procedures.

4.4 LABORATORY EQUIPMENT QUALITY ASSURANCE

4.4.1 DAILY QUALITY CONTROL

HEEC and EnRad Laboratories both have 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 ground water and tritium analyses.

4.5 DUKE ENERGY INTERCOMPARISON PROGRAM

EnRad Laboratories participated in the Duke Energy Fleet Scientific Services (FSS) Intercomparison Program during 2013. Interlaboratory cross-check standards including gamma in water (Marinelli beakers) and tritium in water samples were analyzed during 2013. A summary of the EnRad Laboratory program results for 2013 is documented in Table 4.0-A.

4.6 ECKERT & ZIEGLER ANALYTICS CROSS CHECK PROGRAM

EnRad Laboratories participated in the Eckert & Ziegler Analytics Cross Check Program during 2013. Cross-check standards including Marinelli beakers, air filters, tritium in water, and Iodine in milk samples were analyzed at various times of the year. A summary of the EnRad Laboratory program results for 2013 is documented in Table 4.0-B.

The Chemistry Services Radiochemistry Laboratory located at the Harris Energy and Environmental Center (HEEC) participated in the Environmental Cross Check Program administered by Eckert & Ziegler Analytics, Inc. for the first quarter 2013 (the laboratory was subsequently decommissioned and services were consolidated at the EnRad Laboratory in Huntersville, NC). Cross-check standards including gross beta in water, gamma in milk and soil, and tritium in water were analyzed during the first quarter period of 2013. A summary of the HEEC Laboratory program results for first quarter 2013 is documented in Table 4.0-D.

4.7 ERA PROFICIENCY TESTING

EnRad Laboratories performed method proficiency testing through a program administered by Environmental Resource Associates (ERA) of Arvada, CO. ERA supplied requested method proficiency samples for analysis and nuclide concentration determination. ERA reported proficiency test results to the North Carolina Department of Health and Human Services, North Carolina Public Health Drinking Water Laboratory Certification Program. A summary of these proficiency test data for 2013 is documented in Table 4.0-C.

4.8 STATE OF SOUTH CAROLINA INTERCOMPARISON PROGRAM

HBRSEP routinely participates with the Bureau of Radiological Health of the State's Department of Health and Environmental Control (DHEC) in an intercomparison program. The split sampling program between SC DHEC and Duke Energy Progress,

Inc. (HBRSEP) consist of surface water, fish, vegetation, and sediment samples collected by HBRSEP. Samples. Samples are routinely split with SC DHEC for intercomparison analysis. Results of the analyses performed on split and duplicate samples are sent to SC DHEC. This program was discontinued late in the year at the request of SC DHEC (PIP # G-13-02184) and was replaced by a similar program with a vendor laboratory.

TABLE 4.0-A
DUKE ENERGY
INTERLABORATORY COMPARISON PROGRAM

2013 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. Six water samples were analyzed for tritium and gamma emitters. The below table lists results for specific analyses. All 27 results were evaluated as prescribed in procedure SRPMP 9-2 and passed the acceptance criteria for the program.

Sample	Sample ID	Nuclide	Quarter	Units	EnRad Value	FSS Value	EnRad/FSS Ratio	Evaluation
Tritium in Water	Q131TWR1	H-3	1	pCi/L	7.48E+02	7.27E+02	1.03	Pass
					7.53E+02	7.27E+02	1.04	Pass
					7.11E+02	7.27E+02	0.98	Pass
	Q131TWR2	H-3	1	pCi/L	7.51E+05	7.85E+05	0.96	Pass
					7.52E+05	7.85E+05	0.96	Pass
					7.49E+05	7.85E+05	0.95	Pass
	Q131TWR3	H-3	1	pCi/L	6.23E+03	5.86E+03	1.06	Pass
					6.36E+03	5.86E+03	1.09	Pass
					6.32E+03	5.86E+03	1.08	Pass
Gamma in Water	Q131GWR - 0.5 L	Mn-54	1	pCi/L	4.16E+03	3.85E+03	1.08	Pass
		Co-57	1	pCi/L	7.42E+03	6.86E+03	1.08	Pass
		Co-60	1	pCi/L	5.94E+03	5.84E+03	1.02	Pass
		Sn-113	1	pCi/L	7.15E+03	7.23E+03	0.99	Pass
		Ba-133	1	pCi/L	5.86E+03	5.70E+03	1.03	Pass
		Cs-137	1	pCi/L	3.38E+03	3.46E+03	0.98	Pass
	Q131GWR - 1.0 L	Mn-54	1	pCi/L	4.21E+03	3.85E+03	1.09	Pass
		Co-57	1	pCi/L	7.68E+03	6.86E+03	1.12	Pass
		Co-60	1	pCi/L	5.90E+03	5.84E+03	1.01	Pass
		Sn-113	1	pCi/L	6.94E+03	7.23E+03	0.96	Pass
		Ba-133	1	pCi/L	5.58E+03	5.70E+03	0.98	Pass
		Cs-137	1	pCi/L	3.38E+03	3.46E+03	0.98	Pass
	Q131GWR - 3.5 L	Mn-54	1	pCi/L	4.38E+03	3.85E+03	1.14	Pass
		Co-57	1	pCi/L	7.91E+03	6.86E+03	1.15	Pass
		Co-60	1	pCi/L	6.18E+03	5.84E+03	1.06	Pass
		Sn-113	1	pCi/L	7.52E+03	7.23E+03	1.04	Pass
		Ba-133	1	pCi/L	5.93E+03	5.70E+03	1.04	Pass
		Cs-137	1	pCi/L	3.48E+03	3.46E+03	1.00	Pass

TABLE 4.0-B
ECKERT & ZIEGLER ANALYTICS
CROSS CHECK PROGRAM

2013 Cross Check Results for EnRad Laboratories

Cross check samples are received, prepared, and analyzed in all four quarters of 2013. Results are reported directly to Eckert & Ziegler Analytics. Environmental cross check samples were analyzed in replicate, and the average result reported to Eckert & Ziegler Analytics. The acceptance criteria for the program was based on the NRC Inspection Manual Procedure 84750 (IP 84750). Fifty-seven environmental results were reported, of which 57 (100%) met the acceptance criteria based on IP 84750.

Sample	Sample ID	Nuclide	Quarter	Units	EnRad Value	EZA Value	EnRad/EZA Ratio	Evaluation
Beta Filter	E10509	Gross Beta	1	pCi	86.5	94.2	0.92	Agreement
	E10606	Gross Beta	3	pCi	187	215	0.87	Agreement
Gamma Filter	E10508	Ce-141	1	pCi	97.3	107	0.91	Agreement
		Cr-51	1	pCi	256	269	0.95	Agreement
		Cs-134	1	pCi	113	122	0.93	Agreement
		Cs-137	1	pCi	144	151	0.95	Agreement
		Co-58	1	pCi	109	119	0.92	Agreement
		Mn-54	1	pCi	121	119	1.02	Agreement
		Fe-59	1	pCi	149	144	1.04	Agreement
		Zn-65	1	pCi	179	171	1.04	Agreement
		Co-60	1	pCi	224	228	0.98	Agreement
I-131 in Milk	E10531	I-131	2	pCi/L	91.8	97.3	0.94	Agreement
I-131 in Water	E10709	I-131	4	pCi/L	98.6	99	1.00	Agreement
Beta in Water	E10532	Gross Beta	2	pCi/L	304	293	1.04	Agreement
	E10708	Gross Beta	4	pCi/L	291	279	1.04	Agreement
I-131 Cartridge	E10533	I-131	2	pCi	94	89.7	1.05	Agreement
	E10707	I-131	4	pCi	77.2	76.5	1.01	Agreement
Gamma Composite Filter	E10534	Ce-141	2	pCi	80.6	77.1	1.05	Agreement
		Cr-51	2	pCi	240	214	1.12	Agreement
		Cs-134	2	pCi	107	107	1.00	Agreement
		Cs-137	2	pCi	122	129	0.95	Agreement
		Co-58	2	pCi	76.6	80.2	0.96	Agreement
		Mn-54	2	pCi	149	147	1.01	Agreement
		Fe-59	2	pCi	105	102	1.03	Agreement
		Zn-65	2	pCi	196	186	1.06	Agreement
		Co-60	2	pCi	152	150	1.02	Agreement

TABLE 4.0-B (Cont.)

Sample	Sample ID	Nuclide	Quarter	Units	EnRad Value	EZA Value	EnRad/EZA Ratio	Evaluation
Tritium in Water	E10535	H-3	2	pCi/L	9690	9890	0.98	Agreement
	E10705	H-3	4	pCi/L	13800	14500	0.95	Agreement
Gamma Composite Filter	E10706	Ce-141	4	pCi	107	117	0.91	Agreement
		Cr-51	4	pCi	332	317	1.05	Agreement
		Cs-134	4	pCi	145	152	0.96	Agreement
		Cs-137	4	pCi	126	135	0.93	Agreement
		Co-58	4	pCi	118	120	0.98	Agreement
		Mn-54	4	pCi	177	180	0.99	Agreement
		Fe-59	4	pCi	140	118	1.19	Agreement
		Zn-65	4	pCi	781	793	0.99	Agreement
		Co-60	4	pCi	155	157	0.99	Agreement
		I-131	2	pCi/L	96.2	95.5	1.01	Agreement
Gamma in Milk	E10536	Ce-141	2	pCi/L	92	90.4	1.02	Agreement
		Cr-51	2	pCi/L	238	250	0.95	Agreement
		Cs-134	2	pCi/L	122	125	0.98	Agreement
		Cs-137	2	pCi/L	145	151	0.96	Agreement
		Co-58	2	pCi/L	93.1	94	0.99	Agreement
		Mn-54	2	pCi/L	180	172	1.05	Agreement
		Fe-59	2	pCi/L	129	120	1.08	Agreement
		Zn-65	2	pCi/L	239	217	1.10	Agreement
		Co-60	2	pCi/L	177	175	1.01	Agreement
		I-131	4	pCi/L	95.4	92.4	1.03	Agreement
Gamma in Water	E10704	Ce-141	4	pCi/L	89.3	88.8	1.01	Agreement
		Cr-51	4	pCi/L	243	240	1.01	Agreement
		Cs-134	4	pCi/L	109	115	0.95	Agreement
		Cs-137	4	pCi/L	104	102	1.02	Agreement
		Co-58	4	pCi/L	91.5	90.6	1.01	Agreement
		Mn-54	4	pCi/L	141	136	1.04	Agreement
		Fe-59	4	pCi/L	92.6	89.1	1.04	Agreement
		Zn-65	4	pCi/L	629	600	1.05	Agreement
		Co-60	4	pCi/L	123	119	1.04	Agreement

TABLE 4.0-C

ENVIRONMENTAL RESOURCE ASSOCIATES (ERA) PROFICIENCY TESTING

2013 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 2013. 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 12 (85.7%) 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. 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 (PIPs G-13-00925 and G-13-02152). Complete documentation of any evaluation will be available and provided to the NRC upon request.

Sample	Sample ID	Nuclide	Quarter	Units	EnRad Value	ERA Value	Acceptance Limits	Evaluation
Gamma Emitters in Water	RAD-93	Ba-133	2	pCi/L	82.5	82.1	69.0 - 90.3	Acceptable
		Cs-134	2	pCi/L	41.9	42.8	34.2 - 47.1	Acceptable
		Cs-137	2	pCi/L	42.1	41.7	37.0 - 48.8	Acceptable
		Co-60	2	pCi/L	71	65.9	59.3 - 75.0	Acceptable
		Zn-65	2	pCi/L	207	189	170 - 222	Acceptable
Gamma Emitters in Water	RAD-95	Ba-133	4	pCi/L	48.3	54.2	44.7 - 59.9	Acceptable
		Cs-134	4	pCi/L	81.5	86.7	71.1 - 95.4	Acceptable
		Cs-137	4	pCi/L	180	206	185 - 228	Not Acceptable *
		Co-60	4	pCi/L	103	102	91.8 - 114	Acceptable
		Zn-65	4	pCi/L	337	333	300 - 389	Acceptable
Tritium in Water	RAD-93	H-3	2	pCi/L	6620	4050	3450 - 4460	Not Acceptable #
	RAD-95	H-3	4	pCi/L	17000	17700	15500 - 19500	Acceptable
Iodine-131 in Water	RAD-93	I-131	2	pCi/L	26.9	23.8	19.7 - 28.3	Acceptable
	RAD-95	I-131	4	pCi/L	21.4	23.6	19.6 - 28.0	Acceptable

* See PIP G-13-02152

See PIP G-13-00925

TABLE 4-D
ECKERT & ZIEGLER ANALYTICS
CROSS CHECK PROGRAM

2013 Cross Check Results for HEEC Laboratories

The Chemistry Services Radiochemistry Laboratory at HEEC participated in the Environmental Cross Check Program administered by Eckert & Ziegler Analytics, Inc. (EZA) for first quarter 2013. Cross check samples are received, prepared, and analyzed in one quarter of 2013. Results are reported directly to Eckert & Ziegler Analytics. Environmental cross check samples were analyzed in replicate and the average result reported to Eckert & Ziegler Analytics. The acceptance criteria for the program was based on the NRC Inspection Manual Procedure 84750 (IP 84750). Cross check samples were evaluated in accordance with applicable procedures. Twenty-one environmental results were reported for the year, and all passed the acceptance criteria (100%) based on IP 84750.

Sample	Sample ID	Nuclide	Quarter	Units	HEEC Value	EZA Value	HEEC/EZA Ratio	Evaluation
Gross beta water	E10437	Gross beta	1	pCi/L	315	300	1.05	Agreement
Tritium in water	E10436	H-3	1	pCi/L	13200	14000	0.94	Agreement
Gamma Milk	E10438	Cr-51	1	pCi/L	470	472	1.00	Agreement
		Mn-54	1	pCi/L	223	208	1.07	Agreement
		Co-58	1	pCi/L	209	208	1.00	Agreement
		Fe-59	1	pCi/L	270	252	1.07	Agreement
		Co-60	1	pCi/L	408	400	1.02	Agreement
		Zn-65	1	pCi/L	322	301	1.07	Agreement
		I-131	1	pCi/L	97	100	0.97	Agreement
		Cs-134	1	pCi/L	209	214	0.98	Agreement
		Cs-137	1	pCi/L	275	266	1.04	Agreement
		Ce-141	1	pCi/L	192	187	1.02	Agreement
Gamma Soil	E10439	Cr-51	1	pCi/g	0.785	0.789	1.00	Agreement
		Mn-54	1	pCi/g	0.359	0.348	1.03	Agreement
		Co-58	1	pCi/g	0.343	0.348	0.99	Agreement
		Fe-59	1	pCi/g	0.453	0.422	1.07	Agreement
		Co-60	1	pCi/g	0.67	0.668	1.00	Agreement
		Zn-65	1	pCi/g	0.549	0.503	1.09	Agreement
		Cs-134	1	pCi/g	0.363	0.358	1.02	Agreement
		Cs-137	1	pCi/g	0.539	0.529	1.02	Agreement
		Ce-141	1	pCi/g	0.324	0.313	1.03	Agreement

APPENDIX A

ENVIRONMENTAL SAMPLING

&

ANALYSIS PROCEDURES

APPENDIX A

ENVIRONMENTAL SAMPLING AND ANALYSIS PROCEDURES

Adherence to established procedures for sampling and analysis of all environmental media at the H. B. Robinson Steam Electric Plant, Unit No. 2 (HBRSEP) was required to ensure compliance with provisions of the Nuclear Regulatory Commission's Regulatory Guide 4.8, HBRSEP Technical Specifications, and the HBRSEP Off-Site Dose Calculation Manual (ODCM). Analytical procedures were employed to ensure that the ODCM detection capabilities were achieved at both company laboratories (HEEC and EnRad).

Environmental sampling and analyses were performed by Harris Energy and Environmental Center (HEEC) Laboratories (January – April, 2013), EnRad Laboratories (May – December, 2013), Dosimetry and Records, Fisheries and Aquatic Ecology.

Section IV of this appendix describes the environmental sampling frequencies and analysis procedures by media type that each laboratory conducted in 2013.

I. CHANGE OF SAMPLING PROCEDURES

No changes were made to the sampling procedure during 2013 other than where to ship samples. In May of 2013, the HBRSEP REMP samples were no longer being shipped to HEEC, but were going to EnRad Laboratories for analysis.

II. DESCRIPTION OF ANALYSIS PROCEDURES

Gamma spectroscopy analyses are performed using high purity germanium gamma detectors with thin aluminum windows housed in steel and lead shields and Canberra analytical software. Designated sample volumes are transferred to appropriate counting geometries and analyzed by gamma spectroscopy. Per HEEC procedures, aquatic and broadleaf vegetation and food product samples are transferred to an appropriate counting geometry container, as sampled (wet), weighed, and analyzed. According to HEEC procedures; fish samples are prepared by placing small raw, edible portions of the fish into an appropriate counting geometry container and shoreline and bottom sediments are dried, ground, and placed in an appropriate counting geometry container where all are weighed and analyzed by gamma spectroscopy. The EnRad Laboratory's perishable samples such as fish, food products, aquatic vegetation, and broadleaf vegetation are ground to achieve a homogeneous mixture and then transferred to an appropriate counting geometry. EnRad's soil and sediment samples are dried, sifted to remove foreign objects (rocks, clams, glass, etc.), and then transferred to an appropriate counting geometry container. Once prepared for counting, EnRad's samples (fish, food products,

aquatic vegetation, broadleaf vegetation, soils, and sediments) are analyzed by gamma spectroscopy.

Low-level Iodine-131 (LLI-131) in ground water is determined by an instrumental method at the HEEC Laboratory. The analysis involves passing a known sample volume over a premeasured volume of anion exchange resin to remove and concentrate any iodine in the aqueous sample (water). The resin is then transferred to an appropriate counting geometry container and analyzed by direct gamma spectroscopy. Low-level iodine analyses are performed at the EnRad Laboratory 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 (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 and quarterly by using a liquid scintillation analysis technique on an HEEC liquid scintillation counter (Packard TriCarb 2500 or 2900); while EnRad uses 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 quarterly on a ground water sample 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

All the analysis procedures were changed in May 2013, due to all the samples being analyzed at the EnRad Laboratory from May of 2013 forward instead of the Harris Energy and Environmental Center (HEEC) as in past years. No EnRad analysis procedures were changed during 2013.

IV. SAMPLING AND ANALYSIS PROCEDURES

A.1 AIRBORNE PARTICULATE AND RADIOIODINE

Airborne particulate (AP) and radioiodine (AR or AC) samples at each of ten 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 sample head. 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	=	24.4 miles ESE Florence, S.C. (Control)
Location 2	=	0.2 miles S Information Center
Location 3	=	0.5 miles N Microwave Tower
Location 4	=	0.4 miles ESE Spillway
Location 5	=	0.9 miles ENE East shore of lake near Johnson's Landing
Location 6	=	0.2 miles SSW Information Center
Location 7	=	6.4 miles ESE CP&L facility on RR Ave., Hartsville
Location 55	=	0.2 miles SSE South of West Settling Pond
Location 60	=	0.2 miles SE Robinson Picnic Area
Location 61	=	0.3 miles WSW West Parking lot near RR tracks

A.2 SURFACE WATER

Weekly composite surface water (SW) samples were collected from four locations, with aliquots going to monthly composite samples. Tritium and gamma analyses were performed on the monthly composites. The composites are collected from the locations listed below.

Location 40	=	0.6 miles ESE Black Creek at old Camden Road (S-16-23) – Lake Robinson
Location 41	=	8.0 miles N Black Creek at US Hwy 1 (Control)
Location 57	=	Ash Pond
Location 66	=	Black Creek between Prestwood Lake discharge and upstream of Sonoco Spray Farm (downstream)

A.3 GROUND WATER

Grab samples were collected quarterly from ground water (GW) wells at fifteen (15) locations. A gamma analysis and tritium analysis were performed on each sample. A low-level Iodine-131 Analysis was performed on GW-68 and GW-82 along with a gross beta analysis only on GW-82. The samples were collected from the locations listed below.

Location 42	=	Unit 1 Deep Wells
Location 64	=	0.6 miles SE Artesian Well
Location 68	=	Well A Btwn Unit 1 switchyard & breakroom
Location 69	=	Well B Behind the Training Building
Location 70	=	Well C Btwn the O&M Building & Fab Shop

Location 71	=	0.87 miles NNW (MW-03A) Btwn Ash Pond & RR tracks
Location 72	=	0.1 miles E (MW-06) 20 ft from FP/FH 7 fire hydrant & Unit 1 North Deep Well Pump
Location 73	=	0.11 miles ENE (MW-13) Btwn Discharge Canal & Unit 1 Stand Alone Fuel Oil Tanks
Location 75	=	0.05 miles NE (PSW-02) By Unit 1 boundary Fence to Unit 2 across paved rd. from Hydrogen Gas Tanks
Location 76	=	0.49 miles N (PSW-03) NE corner of the MET Tower Station
Location 77	=	0.25 miles SSE (TS-01B) By entrance rd. to Unit 1
Location 78	=	0.17 miles SSE (TS-02C) NE corner by East Settling Pond influent by fence
Location 79	=	1.0 mile N (TS-07C) S corner by cove & Discharge Canal
Location 81	=	0.19 miles SSE (TS-17B) W of West Settling Pond across paved rd.
Location 82	=	0.3 miles SSE (PDW-01) By entrance rd. to Unit 1

A.4 BROADLEAF VEGETATION

Monthly samples, three different species, were collected at each of five locations when available. A gamma analysis was performed on each sample. The samples were collected from the locations listed below.

Location 50	=	SSE Close to Site Boundary
Location 51	=	Close to Site Boundary
Location 52	=	10 miles W near Bethune (Control)
Location 62	=	SE Close to Site Boundary
Location 67	=	S Close to Site Boundary

A.5 FOOD PRODUCTS

Annually samples, of three different types of broadleaf vegetation (edible portions), were collected when available during harvest at three locations. A gamma analysis was performed on the edible portions of each sample. The samples were collected from the locations listed below.

Location 49	=	10.0 miles W or greater than 5 miles from plant (Control)
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Location 54 = 10.1 miles E Auburndale Plantation (if irrigating from Black Creek)
Location 58 = Site varies from plant

A.6 AQUATIC VEGETATION

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

Location 41 = 7.2 miles NW Black Creek (upstream) –
(Control)
Location 45 = Site varies within Lake Robinson
Location 46 = Site varies within Prestwood Lake
Location 66 = Black Creek btwn Prestwood Lake discharge &
upstream of Sonoco Spray Farm
(downstream)

A.7 FISH

Semiannual samples of bottom feeders and free swimmers were collected at each of three locations. A gamma analysis was performed on the edible portions of each sample. The samples were collected from the locations listed below.

Location 45 = Site varies within Lake Robinson
Location 46 = Site varies within Prestwood Lake
Location 47 = Control station, Any lake not influenced by plant
discharge (Control)

A.8 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 44 = 1.6 miles NNE East shore of lake, Shady Rest Club
Location 57 = Ash Pond Shore

A.9 BOTTOM SEDIMENT

Annual samples were collected at each of the four locations. A gamma analysis was performed on each sample following the drying; the removal of rocks, clams, etc.; and grinding (if necessary). The samples were collected from the locations listed below.

Location 41	=	7.2 miles NNW Black Creek (upstream) – (Control)
Location 45	=	Site varies within Lake Robinson
Location 46	=	Site varies within Prestwood Lake
Location 66	=	Black Creek btwn Prestwood Lake discharge & upstream of Sonoco Spray Farm (downstream)

A.10 DIRECT GAMMA RADIATION (TLD)

Thermoluminescent dosimeters (TLD) were collected quarterly at forty-three 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 25 TLDs, one in each meteorological sector in the general area of the site boundary.
- * An outer ring of 17 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.11 ANNUAL LAND USE CENSUS

An Annual Land Use Census was conducted to identify within a distance of 5.0 miles (8 kilometers) 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 500 square feet or 50 square meters, producing broadleaf vegetables (fresh leafy vegetables)
- * The Nearest Milk-giving Animal (cow, goat, etc.)
- * The Nearest Meat/Egg producing Animal (beef, hogs, chickens, etc.)

The census was conducted during the growing season in July of 2013. Results are shown in Table 3.11.3. No changes were made to the sampling procedures during 2013 as a result of the 2013 census.

APPENDIX B

**RADIOLOGICAL
ENVIRONMENTAL MONITORING
PROGRAM**

SUMMARY OF RESULTS

2013

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2 (HBRSEP)
RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM DATA SUMMARY

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

Docket Numbers: 50 - 261
 Calendar Year: 2013

Medium or Pathway Sampled or Measured (Unit of Measurement)	Type and Total No. of Measurements Performed	Lower Limit of Detection (LLD) ⁽¹⁾	All Indicator Locations Mean ⁽²⁾⁽³⁾ Range ⁽²⁾	Location w/Highest Annual Mean ⁽²⁾ Name, Distance, and Direction	Mean ⁽²⁾⁽³⁾ Range ⁽²⁾	Control Locations Mean ⁽²⁾⁽³⁾ Range ⁽²⁾	No. of Non-Routine Report Meas.
Air Particulate ⁽⁴⁾ (pCi/m ³)	Gross Beta 519 ⁽⁴⁾	See Table 2.2-C	1.82E-2 (467/467) 4.68E-3 – 3.56E-2	Loc. # 3 Microwave Tower 0.5 miles N	2.01E-2 (52/52) 7.64E-3 – 3.56E-2	Loc. # 1 1.74E-2 (52/52) 5.56E-3 – 2.97E-2	0
	Gamma 40	See Table 2.2-C	All less than LLD	-----	-----	All less than LLD	0
Air Cartridge/Radioiodine ⁽⁴⁾ (pCi/m ³)	I-131 520 ⁽⁴⁾	See Table 2.2-C	All less than LLD	-----	-----	All less than LLD	0
Aquatic Vegetation ⁽⁶⁾ (pCi/g, wet)	Gamma 4	See Table 2.2-C	All less than LLD	-----	-----	All less than LLD	0
Broadleaf Vegetation ⁽⁴⁾⁽⁵⁾ (pCi/g, wet)	Gamma 75 ⁽⁴⁾⁽⁵⁾ Cs-137	See Table 2.2-C	4.81E+1 (27/60) 1.70E+1 – 1.85E+2	Loc. # 51 Close to Site Boundary (BL-51) SSW	5.27E+1 (4/15) 3.85E+1 – 7.72E+1	Loc. # 52 5.31E+1 (8/15) 2.43E+1 – 1.62E+2	0
Fish Free-Swimmers (pCi/kg, wet)	Gamma 6 K-40	-----	3.08E+3 (4/4) 2.60E+3 – 3.62E+3	Loc. # 46 Site varies within Prestwood Lake	3.41E+3 (2/2) 3.20E+3 – 3.62E+3	Loc. # 47 3.15E+3 (2/2) 2.72E+3 – 3.57E+3	0
	Cs-137	See Table 2.2-C	3.69E+1 (4/4) 2.52E+1 – 5.15E+1	Loc. # 46 Site varies within Prestwood Lake	4.47E+1 (2/2) 3.79E+1 – 5.15E+1	Loc. # 47 5.97E+1 (2/2) 5.01E+1 – 6.93E+1	0
Fish Bottom-Feeders (pCi/kg, wet)	Gamma 6 K-40	-----	3.12E+3 (4/4) 2.66E+3 – 3.76E+3	Loc. # 46 Site varies within Prestwood Lake	3.40E+3 (2/2) 3.04E+3 – 3.76E+3	Loc. # 47 2.49E+3 (2/2) 2.18E+3 – 2.79E+3	0
	Cs-137	See Table 2.2-C	2.51E+1 (4/4) 2.30E+1 – 2.92E+1	Loc. # 46 Site varies within Prestwood Lake	2.61E+1 (2/2) 2.30E+1 – 2.92E+1	Loc. # 47 2.61E+1 (2/2) 2.22E+1 – 2.99E+1	0

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2 (HBRSEP)
RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM DATA SUMMARY (cont.)

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

Docket Numbers: 50 - 261
 Calendar Year: 2013

Medium or Pathway Sampled or Measured (Unit of Measurement)	Type and Total No. of Measurements Performed	Lower Limit of Detection (LLD) ⁽¹⁾	All Indicator Locations Mean ⁽²⁾⁽³⁾ Range ⁽²⁾	Location w/Highest Annual Mean ⁽²⁾ Name, Distance, and Direction	Mean ⁽²⁾⁽³⁾ Range ⁽²⁾	Control Locations Mean ⁽²⁾⁽³⁾ Range ⁽²⁾	No. of Non-Routine Report Meas.
Food Products ⁽⁴⁾ (pCi/kg, wet)	Gamma 3 ⁽⁴⁾ K-40	----	3.53E+3 (2/2) 2.95E+3 – 4.11E+3	Loc. # 54 Auburndale Plantation 10.1 miles E	4.11E+3 (1/1) Single Value	Loc. # 49 3.73E+3 (1/1) Single Value	0
Ground Water ⁽⁴⁾⁽⁹⁾ (pCi/l)	Gamma 60 ⁽⁴⁾⁽⁹⁾	See Table 2.2-C	All less than LLD	----	----	No Control	0
	Gross Beta 4	----	1.81E+0 (4/4) 1.29E+0 – 3.04E+0	Loc. # 82 (PDW-01) Entrance Rd. to U/1 0.3 miles SSE	1.81E+0 (4/4) 1.29E+0 – 3.04E+0	No Control	0
	I-131 6 ⁽⁴⁾⁽⁹⁾	See Table 2.2-C	All less than LLD	----	----	No Control	0
	Tritium 60	2,000 ⁽⁸⁾	5.85E+2 (25/60) 1.65E+2 – 1.69E+3	Loc. # 79 (TS-07C) South corner by cove & Discharge Canal 1.0 mile N	1.46E+3 (4/4) 1.29E+3 – 1.69E+3	No Control	0
Shoreline Sediment (pCi/kg, dry)	Gamma 4	See Table 2.2-C	All less than LLD	----	----	No Control	0
Bottom Sediment ⁽⁶⁾ (pCi/kg, wet)	Gamma 4 Cs-137	See Table 2.2-C	3.68E+2 (1/3) Single Value	Loc. # 46 Site varies within Prestwood Lake	3.68E+2 (1/1) Single Value	Loc. # 41 1.69E+2 (1/1) Single Value	0
Surface Water (pCi/l)	Gamma 48	See Table 2.2-C	All less than LLD	----	----	All less than LLD	0
	Tritium 48	2,000 ⁽⁸⁾	2.66E+3 (25/36) 3.67E+2 – 7.48E+3	Loc. # 40 Black Creek at Old Camden Rd. – Lake Robinson 0.6 miles ESE	3.14E+3 (12/12) 7.30E+2 – 7.48E+3	All less than LLD	0

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2 (HBRSEP)
RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM DATA SUMMARY (cont.)

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

Docket Numbers: 50 - 261
 Calendar Year: 2013

Medium or Pathway Sampled or Measured (Unit of Measurement)	Type and Total No. of Measurements Performed	Lower Limit of Detection (LLD) ⁽¹⁾	All Indicator Locations Mean ⁽²⁾⁽³⁾ Range ⁽²⁾	Location w/Highest Annual Mean ⁽²⁾		Control Locations Mean ⁽²⁾⁽³⁾ Range ⁽²⁾	No. of Non-Routine Report Meas.
Direct Radiation (TLD) (mR per quarter) ⁽⁷⁾	TLD Readout 169 ⁽⁴⁾	-----	1.37E+1 (165/165) 9.50E+0 – 2.69E+1	Loc. # 35 Kelly Bridge Road 4.5 miles SSW	2.12E+1 (4/4) 1.91E+1 – 2.69E+1	Loc. # 1 1.21E+1 (4/4) 1.20E+1 – 1.23E+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. Three types of broadleaf vegetation samples are collected monthly when available from four locations for a possible total of 144 samples.
6. Bottom sediment and aquatic vegetation sampling are not required by plant Offsite Dose Calculation Manual (ODCM). Sampling and analysis is performed to monitor any radionuclide accumulation in the lake.
7. TLD exposure is reported in milliroentgen (mR) per 90-day period (quarter) beginning in 1995. This is the exposure standard used to compare data to the Nuclear Regulatory Commission (NRC).
8. Tritium Lower Limit of Detection (LLD) is approximately 2.50E+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.
9. Ground Water results for most of third quarter 2013 samples did not meet the required ODCM LLDs for I131 and BaLa-140 gammas and LLI-131 (Low-level I-131). Refer to Appendix D. These results are not part of the statistical summary.

APPENDIX C

SAMPLING DEVIATIONS
&
UNAVAILABLE ANALYSES

APPENDIX C

H. B. ROBINSON NUCLEAR PLANT SAMPLING DEVIATIONS & UNAVAILABLE ANALYSES

Air Cartridge and Air Particulates

Any REMP weekly air samples (Air Cartridge – AC or Air Particulate – AP) that exceed 30 hours of down time in a surveillance period will be reported as a “missed surveillance”. However, this sample will still be counted and the data reported; whereas a “missed sample” will have no data reported. There was one missed sample in 2013 from the HBRSEP established air samplers. The air samplers operated for a total of 99.6% availability in 2013.

Missed Samples:

- AP-7; February 4 – February 11, 2013 – Down time was 170.1 hours. When collecting the weekly air particulate and iodine cartridge (radioiodine cartridge), the particulate filter was missing from the air sampler head assembly (CR # 588501).

Missed Surveillances:

- APAC-4; September 30 – October 7, 2013 and October 7 – 14, 2013 – Total down time was 130 hours. The air sampler was found not running for 107 hours of down time for sample collection week of September 30 – October 7, 2013. A work order was generated, but the sampler repair carried over into the next sampling period (October 7 – 14, 2013) for additional downtime of 23 hours (CR # 633568 / PIP # G-14-00434).

Other down times were identified that did not meet the definition of “missed surveillances.” Additional information of these events can be found in the corrective action program.

APAC-4 in March 2013 (CR # 593038)
APAC-1 in September 2013 (CR # 626315)

Broadleaf Vegetation

Broadleaf vegetation (BL) samples were not available for sampling during the months of January, February, March, April, and December of 2013 due to the seasonal nature of broadleaf vegetation (CR # 582652, 588307, 594152, 599901, and 651749 / PIP # G-13-02283).

Thermoluminescent Dosimeters (TLDs)

Three out of a possible 172 TLD samples (control and indicator locations), were missing during 2013.

- | | |
|----------|---|
| TLD # 27 | First Quarter 2013
TLD # 27 was missing in the field. The area was searched, but the TLD could not be located (CR # 601951). |
| TLD # 28 | First Quarter 2013
TLD # 28 was missing in the field. The area was searched, but the TLD could not be located (CR # 601951). |
| TLD # 9 | Second Quarter 2013
TLD # 9 was missing in the field. The area was searched, but the TLD could not be located (CR #616846 / PIP # G-13-01474). |

APPENDIX D

ANALYTICAL DEVIATIONS

APPENDIX D

H. B. ROBINSON NUCLEAR PLANT

ANALYTICAL DEVIATIONS

Ground Water

Missed Surveillances: Third Quarter 2013 Detection Limits Not Achieved

- Some I-131 and BaLa-140 detection limits of third quarter 2013 RNP Ground water (GW) samples were not achieved by gamma spectroscopy testing. The GW samples were collected August 13, 14, and 15, 2013 and arrived at the EnRad Laboratory September 24, 2013. The hold time (time from collection to time of analysis) was at best 40 days. A typical I-131 hold time is eight (8) days (Iodine-131 goes through a half-life decay about every 8.04 days); therefore, the samples upon arrival at EnRad Laboratory had already gone through approximately five (5) half-lives of decay for the I-131 activity. Discussion with plant personnel determined that the GW samples were collected the week of August 13, 2013, and then the GW samples were held for an undetermined reason at the Robinson Plant, thus not being submitted to the EnRad Laboratory in a timely manner. Robinson personnel indicated the GW wells listed do not have a history of detection of the nuclides (I-131 and BaLa-140). The EnRad Laboratory analyzed the samples for maximum gamma acquisition times to attempt to achieve best possible detection limits, but excessive hold times of 40 days or more made achieving the detection limits impossible. The gamma detection limits (I-131 15 pCi/L, BaLa-140 15 pCi/L, and low level I-131 [LLI-131] 1.0 pCi/L) were not achieved for the specific samples listed below and the results for these missed GW LLDs appear in Appendix E. This is in violation of the sampling requirements and the stated LLD requirements described in the H.B. Robinson Nuclear Plant ODCM (CR # 634509 / PIP # G-13-01765).

I-131 detection limit not achieved:

GW-71

I-131, BaLa-140, and LLI-131 detection limits were not achieved:

GW-68 and GW-82

I-131 and BaLa-140 detection limits were not achieved:

GW-42, 64, 69, 70, 72, 73, 75 – 79, 81, and PSW-05

APPENDIX E

RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM RESULTS

2013

This appendix includes sample analysis report summaries and supportive data generated from each sample medium for 2013.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 1 [CONTROL - ESE @ 24.4 miles]

Sample ID:	178076	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<7.00E-02	0.00E+00	7.00E-02
				Cs-134	<5.00E-02	0.00E+00	5.00E-02
				Cs-137	<6.00E-02	0.00E+00	6.00E-02
				Be-7	1.14E-01	2.37E-02	
Sample ID:	185455	Sample Dates:	1/7/2013 - 1/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.92E-02	2.43E-03	1.51E-03
Sample ID:	185472	Sample Dates:	1/14/2013 - 1/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.31E-02	2.09E-03	1.32E-03
Sample ID:	185489	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.07E-02	2.05E-03	1.52E-03
Sample ID:	185506	Sample Dates:	1/28/2013 - 1/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.97E-02	2.41E-03	1.59E-03
Sample ID:	185523	Sample Dates:	2/4/2013 - 2/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.60E-02	2.26E-03	1.49E-03
Sample ID:	185540	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.02E-02	2.11E-03	1.50E-03
Sample ID:	185556	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.97E-02	1.97E-03	1.42E-03
Sample ID:	185573	Sample Dates:	2/25/2013 - 2/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.63E-02	1.97E-03	1.60E-03
Sample ID:	185590	Sample Dates:	3/4/2013 - 3/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.65E-02	1.84E-03	1.41E-03
Sample ID:	185607	Sample Dates:	3/11/2013 - 3/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.39E-02	1.91E-03	1.69E-03
Sample ID:	185624	Sample Dates:	3/18/2013 - 3/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.21E-02	2.10E-03	1.49E-03
Sample ID:	185641	Sample Dates:	3/24/2013 - 3/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.20E-02	2.33E-03	1.83E-03
Sample ID:	185658	Sample Dates:	4/1/2013 - 4/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.49E-02	1.76E-03	1.48E-03
Sample ID:	256288	Sample Dates:	4/1/2013 - 4/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.76E-02	1.29E-03	2.73E-03
Sample ID:	256341	Sample Dates:	4/8/2013 - 4/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.24E-02	1.19E-03	2.83E-03
Sample ID:	257131	Sample Dates:	4/22/2013 - 4/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.43E-02	1.27E-03	3.03E-03
Sample ID:	257239	Sample Dates:	4/15/2013 - 4/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.29E-02	1.19E-03	2.76E-03
Sample ID:	257284	Sample Dates:	4/29/2013 - 5/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	8.26E-03	1.18E-03	3.18E-03
Sample ID:	257731	Sample Dates:	5/6/2013 - 5/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.49E-02	1.25E-03	2.75E-03
Sample ID:	257975	Sample Dates:	5/13/2013 - 5/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.47E-02	1.45E-03	2.68E-03
Sample ID:	258210	Sample Dates:	5/20/2013 - 5/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.30E-02	1.34E-03	3.21E-03
Sample ID:	258557	Sample Dates:	5/26/2013 - 6/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.19E-02	1.08E-03	2.53E-03

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 1 [CONTROL - ESE @ 24.4 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
259027	6/3/2013 - 6/10/2013	Beta	9.34E-03	1.10E-03	2.78E-03
259575	6/10/2013 - 6/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.52E-02	1.14E-03	2.39E-03
260209	6/18/2013 - 6/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.04E-02	1.29E-03	3.33E-03
260669	7/1/2013 - 7/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	5.56E-03	9.50E-04	2.62E-03
261632	7/8/2013 - 7/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	8.97E-03	1.10E-03	2.81E-03
261956	6/24/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.54E-02	1.21E-03	2.46E-03
262134	7/15/2013 - 7/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	7.51E-03	1.03E-03	2.73E-03
262731	4/1/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		I-131	<3.06E-02	0.00E+00	3.06E-02
		Cs-134	<3.56E-04	0.00E+00	3.56E-04
		Cs-137	<4.01E-04	0.00E+00	4.01E-04
		Be-7	1.23E-01	5.87E-03	5.10E-03
		K-40	1.14E-02	2.04E-03	3.30E-03
263207	7/22/2013 - 7/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.73E-02	1.30E-03	2.74E-03
263422	7/29/2013 - 8/5/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.95E-02	1.36E-03	2.87E-03
264077	8/5/2013 - 8/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.44E-02	1.30E-03	3.08E-03
265211	8/12/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.20E-02	9.99E-04	2.13E-03
265531	8/20/2013 - 8/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.10E-02	1.27E-03	3.12E-03
267206	8/26/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.48E-02	1.44E-03	2.77E-03
267676	9/3/2013 - 9/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.57E-02	1.87E-03	3.97E-03
268516	9/9/2013 - 9/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.73E-02	1.52E-03	2.79E-03
269686	9/16/2013 - 9/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.04E-02	1.40E-03	2.82E-03
270781	9/23/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.45E-02	1.23E-03	2.77E-03
271503	9/30/2013 - 10/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.33E-02	1.42E-03	2.64E-03
272113	10/7/2013 - 10/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.13E-02	1.11E-03	2.55E-03
272508	10/14/2013 - 10/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.00E-02	1.35E-03	2.66E-03
272659	7/1/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		I-131	<6.88E-02	0.00E+00	6.88E-02
		Cs-134	<6.66E-04	0.00E+00	6.66E-04
		Cs-137	<6.22E-04	0.00E+00	6.22E-04
		Be-7	1.16E-01	7.28E-03	1.07E-02
		K-40	2.38E-02	4.34E-03	4.66E-03

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 1 [CONTROL - ESE @ 24.4 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
272896	10/21/2013 - 10/28/2013	Beta	2.37E-02	1.49E-03	2.97E-03
273984	10/28/2013 - 11/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.77E-02	1.57E-03	2.94E-03
274434	11/4/2013 - 11/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.32E-02	1.24E-03	2.92E-03
274959	11/11/2013 - 11/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.63E-02	1.29E-03	2.71E-03
276502	11/18/2013 - 11/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.62E-02	1.28E-03	2.76E-03
278767	11/25/2013 - 12/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.97E-02	1.39E-03	2.84E-03
278838	12/2/2013 - 12/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.54E-02	1.27E-03	2.83E-03
279078	12/9/2013 - 12/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.06E-02	1.37E-03	2.70E-03
279706	12/16/2013 - 12/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.76E-02	1.32E-03	2.74E-03
280195	12/23/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.66E-02	1.33E-03	2.92E-03
280611	9/30/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Cs-134	<2.45E-04	0.00E+00	2.45E-04
		Cs-137	<3.04E-04	0.00E+00	3.04E-04
		Be-7	9.05E-02	5.07E-03	5.08E-03
		K-40	6.78E-03	1.76E-03	3.56E-03

Sample Point 2 [INDICATOR - S @ 0.2 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
178077	2/18/2013 - 2/18/2013	I-131	<7.00E-02	0.00E+00	7.00E-02
		Cs-134	<5.00E-02	0.00E+00	5.00E-02
		Cs-137	<6.00E-02	0.00E+00	6.00E-02
		Be-7	9.64E-02	2.39E-02	
		K-40	3.09E-02	1.47E-02	
185456	1/7/2013 - 1/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.72E-02	2.36E-03	1.52E-03
185473	1/14/2013 - 1/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.34E-02	1.99E-03	1.20E-03
185490	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.52E-02	2.56E-03	1.92E-03
185507	1/28/2013 - 1/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.87E-02	2.27E-03	1.47E-03
185524	2/4/2013 - 2/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.63E-02	2.20E-03	1.42E-03
185541	2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.23E-02	2.02E-03	1.38E-03
185557	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.16E-02	2.16E-03	1.56E-03
185574	2/25/2013 - 2/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.85E-02	1.91E-03	1.39E-03
185591	3/4/2013 - 3/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.72E-02	1.77E-03	1.29E-03

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 2 [INDICATOR - S @ 0.2 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
185608	3/11/2013 - 3/11/2013	Beta	1.48E-02	1.82E-03	1.51E-03
185625	3/18/2013 - 3/18/2013	Nuclide Beta	Activity 2.50E-02	Sigma Error ⁽¹⁾ 2.22E-03	LLD 1.49E-03
185642	3/24/2013 - 3/24/2013	Nuclide Beta	Activity 2.12E-02	Sigma Error ⁽¹⁾ 2.26E-03	LLD 1.78E-03
185659	4/1/2013 - 4/1/2013	Nuclide Beta	Activity 1.66E-02	Sigma Error ⁽¹⁾ 1.73E-03	LLD 1.35E-03
256279	4/1/2013 - 4/8/2013	Nuclide Beta	Activity 1.84E-02	Sigma Error ⁽¹⁾ 1.33E-03	LLD 2.78E-03
256342	4/8/2013 - 4/15/2013	Nuclide Beta	Activity 1.53E-02	Sigma Error ⁽¹⁾ 1.24E-03	LLD 2.75E-03
257132	4/22/2013 - 4/29/2013	Nuclide Beta	Activity 1.23E-02	Sigma Error ⁽¹⁾ 1.23E-03	LLD 3.02E-03
257237	4/15/2013 - 4/22/2013	Nuclide Beta	Activity 1.44E-02	Sigma Error ⁽¹⁾ 1.28E-03	LLD 2.91E-03
257285	4/29/2013 - 5/6/2013	Nuclide Beta	Activity 8.43E-03	Sigma Error ⁽¹⁾ 1.11E-03	LLD 2.95E-03
257732	5/6/2013 - 5/13/2013	Nuclide Beta	Activity 1.48E-02	Sigma Error ⁽¹⁾ 1.23E-03	LLD 2.71E-03
257976	5/13/2013 - 5/20/2013	Nuclide Beta	Activity 2.65E-02	Sigma Error ⁽¹⁾ 1.51E-03	LLD 2.74E-03
258211	5/20/2013 - 5/26/2013	Nuclide Beta	Activity 1.19E-02	Sigma Error ⁽¹⁾ 1.32E-03	LLD 3.25E-03
258558	5/26/2013 - 6/3/2013	Nuclide Beta	Activity 1.49E-02	Sigma Error ⁽¹⁾ 1.16E-03	LLD 2.56E-03
259028	6/3/2013 - 6/10/2013	Nuclide Beta	Activity 1.12E-02	Sigma Error ⁽¹⁾ 1.16E-03	LLD 2.77E-03
259576	6/10/2013 - 6/18/2013	Nuclide Beta	Activity 1.47E-02	Sigma Error ⁽¹⁾ 1.13E-03	LLD 2.43E-03
260210	6/18/2013 - 6/24/2013	Nuclide Beta	Activity 1.31E-02	Sigma Error ⁽¹⁾ 1.40E-03	LLD 3.46E-03
260670	7/1/2013 - 7/8/2013	Nuclide Beta	Activity 9.18E-03	Sigma Error ⁽¹⁾ 1.08E-03	LLD 2.70E-03
261633	7/8/2013 - 7/15/2013	Nuclide Beta	Activity 9.69E-03	Sigma Error ⁽¹⁾ 1.09E-03	LLD 2.72E-03
261957	6/24/2013 - 7/1/2013	Nuclide Beta	Activity 1.60E-02	Sigma Error ⁽¹⁾ 1.21E-03	LLD 2.42E-03
262135	7/15/2013 - 7/22/2013	Nuclide Beta	Activity 1.02E-02	Sigma Error ⁽¹⁾ 1.16E-03	LLD 2.89E-03
262732	4/1/2013 - 7/1/2013	Nuclide I-131 Cs-134 Cs-137 Be-7 K-40	Activity <2.60E-02 <2.39E-04 <3.53E-04 1.38E-01 1.92E-02	Sigma Error ⁽¹⁾ 0.00E+00 0.00E+00 0.00E+00 5.42E-03 2.05E-03	LLD 2.60E-02 2.39E-04 3.53E-04 4.58E-03 3.30E-03
263208	7/22/2013 - 7/29/2013	Nuclide Beta	Activity 1.56E-02	Sigma Error ⁽¹⁾ 1.24E-03	LLD 2.68E-03
263423	7/29/2013 - 8/5/2013	Nuclide Beta	Activity 2.27E-02	Sigma Error ⁽¹⁾ 1.50E-03	LLD 3.07E-03

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 2 [INDICATOR - S @ 0.2 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
264078	8/5/2013 - 8/12/2013	Beta	1.67E-02	1.36E-03	3.11E-03
265212	8/12/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.14E-02	1.00E-03	2.19E-03
265532	8/20/2013 - 8/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.31E-02	1.33E-03	3.14E-03
267207	8/26/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.60E-02	1.42E-03	2.64E-03
267677	9/3/2013 - 9/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.73E-02	1.71E-03	3.35E-03
268517	9/9/2013 - 9/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	3.23E-02	1.63E-03	2.83E-03
269687	9/16/2013 - 9/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.54E-02	1.52E-03	2.87E-03
270782	9/23/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.84E-02	1.34E-03	2.82E-03
271504	9/30/2013 - 10/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.85E-02	1.54E-03	2.67E-03
272114	10/7/2013 - 10/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.33E-02	1.22E-03	2.75E-03
272509	10/14/2013 - 10/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.11E-02	1.34E-03	2.56E-03
272660	7/1/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		I-131	<3.30E-02	0.00E+00	3.30E-02
		Cs-134	<2.48E-04	0.00E+00	2.48E-04
		Cs-137	<2.73E-04	0.00E+00	2.73E-04
		Be-7	1.13E-01	4.96E-03	4.64E-03
		K-40	2.21E-02	2.45E-03	2.90E-03
272897	10/21/2013 - 10/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.56E-02	1.51E-03	2.91E-03
273985	10/28/2013 - 11/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.92E-02	1.60E-03	2.93E-03
274435	11/4/2013 - 11/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.50E-02	1.27E-03	2.89E-03
274960	11/11/2013 - 11/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.73E-02	1.30E-03	2.68E-03
276503	11/18/2013 - 11/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.78E-02	1.33E-03	2.78E-03
278768	11/25/2013 - 12/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.22E-02	1.39E-03	2.64E-03
278839	12/2/2013 - 12/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.76E-02	1.35E-03	2.90E-03
279079	12/9/2013 - 12/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.30E-02	1.42E-03	2.67E-03
279707	12/16/2013 - 12/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.90E-02	1.38E-03	2.81E-03
280196	12/23/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.96E-02	1.41E-03	2.93E-03
280612	9/30/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Cs-134	<3.14E-04	0.00E+00	3.14E-04
		Cs-137	<3.33E-04	0.00E+00	3.33E-04

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 2 [INDICATOR - S @ 0.2 miles]

Sample ID:	280612	Sample Dates:	9/30/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Be-7	1.01E-01	5.36E-03	4.57E-03
				K-40	9.12E-03	1.90E-03	3.53E-03

Sample Point 3 [INDICATOR - N @ 0.5 miles]

Sample ID:	178078	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<7.00E-02	0.00E+00	7.00E-02
				Cs-134	<5.00E-02	0.00E+00	5.00E-02
				Cs-137	<6.00E-02	0.00E+00	6.00E-02
				Be-7	1.20E-01	2.47E-02	
Sample ID:	185457	Sample Dates:	1/7/2013 - 1/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	3.40E-02	2.44E-03	1.36E-03
Sample ID:	185474	Sample Dates:	1/14/2013 - 1/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.99E-02	2.26E-03	1.24E-03
Sample ID:	185491	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.43E-02	2.35E-03	1.71E-03
Sample ID:	185508	Sample Dates:	1/28/2013 - 1/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	3.56E-02	2.74E-03	1.74E-03
Sample ID:	185525	Sample Dates:	2/4/2013 - 2/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	3.01E-02	2.57E-03	1.68E-03
Sample ID:	185542	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.59E-02	2.36E-03	1.62E-03
Sample ID:	185558	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.09E-02	2.24E-03	1.69E-03
Sample ID:	185575	Sample Dates:	2/25/2013 - 2/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.89E-02	1.97E-03	1.45E-03
Sample ID:	185592	Sample Dates:	3/4/2013 - 3/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.91E-02	1.99E-03	1.45E-03
Sample ID:	185609	Sample Dates:	3/11/2013 - 3/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.81E-02	1.93E-03	1.47E-03
Sample ID:	185626	Sample Dates:	3/18/2013 - 3/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.92E-02	2.40E-03	1.53E-03
Sample ID:	185643	Sample Dates:	3/24/2013 - 3/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.40E-02	2.38E-03	1.79E-03
Sample ID:	185660	Sample Dates:	4/1/2013 - 4/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.87E-02	1.86E-03	1.40E-03
Sample ID:	256280	Sample Dates:	4/1/2013 - 4/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.09E-02	1.40E-03	2.85E-03
Sample ID:	256343	Sample Dates:	4/8/2013 - 4/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.98E-02	1.40E-03	2.91E-03
Sample ID:	257133	Sample Dates:	4/22/2013 - 4/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.82E-02	1.39E-03	3.10E-03
Sample ID:	257238	Sample Dates:	4/15/2013 - 4/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.46E-02	1.28E-03	2.87E-03
Sample ID:	257286	Sample Dates:	4/29/2013 - 5/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	8.88E-03	1.15E-03	3.03E-03
Sample ID:	257733	Sample Dates:	5/6/2013 - 5/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.85E-02	1.33E-03	2.74E-03
Sample ID:	257977	Sample Dates:	5/13/2013 - 5/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	3.18E-02	1.64E-03	2.80E-03

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 3 [INDICATOR - N @ 0.5 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.34E-02	1.37E-03	3.27E-03
Sample ID: 258559	Sample Dates: 5/26/2013 - 6/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.46E-02	1.15E-03	2.53E-03
Sample ID: 259029	Sample Dates: 6/3/2013 - 6/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.15E-02	1.18E-03	2.82E-03
Sample ID: 259577	Sample Dates: 6/10/2013 - 6/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.60E-02	1.18E-03	2.46E-03
Sample ID: 260211	Sample Dates: 6/18/2013 - 6/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.25E-02	1.37E-03	3.40E-03
Sample ID: 260671	Sample Dates: 7/1/2013 - 7/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	7.64E-03	1.05E-03	2.74E-03
Sample ID: 261634	Sample Dates: 7/8/2013 - 7/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	7.83E-03	1.06E-03	2.80E-03
Sample ID: 261959	Sample Dates: 6/24/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.63E-02	1.23E-03	2.45E-03
Sample ID: 262136	Sample Dates: 7/15/2013 - 7/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	8.85E-03	1.09E-03	2.80E-03
Sample ID: 262733	Sample Dates: 4/1/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		I-131	<2.52E-02	0.00E+00	2.52E-02
		Cs-134	<2.45E-04	0.00E+00	2.45E-04
		Cs-137	<2.52E-04	0.00E+00	2.52E-04
		Be-7	1.42E-01	5.28E-03	3.91E-03
		K-40	1.86E-02	2.37E-03	3.01E-03
Sample ID: 263209	Sample Dates: 7/22/2013 - 7/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.70E-02	1.31E-03	2.79E-03
Sample ID: 263424	Sample Dates: 7/29/2013 - 8/5/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.17E-02	1.46E-03	3.03E-03
Sample ID: 264079	Sample Dates: 8/5/2013 - 8/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.49E-02	1.30E-03	3.04E-03
Sample ID: 265213	Sample Dates: 8/12/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.07E-02	1.00E-03	2.23E-03
Sample ID: 265533	Sample Dates: 8/20/2013 - 8/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.32E-02	1.32E-03	3.09E-03
Sample ID: 267208	Sample Dates: 8/26/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.83E-02	1.47E-03	2.65E-03
Sample ID: 267678	Sample Dates: 9/3/2013 - 9/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.99E-02	1.76E-03	3.33E-03
Sample ID: 268518	Sample Dates: 9/9/2013 - 9/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	3.51E-02	1.70E-03	2.90E-03
Sample ID: 269688	Sample Dates: 9/16/2013 - 9/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.16E-02	1.43E-03	2.83E-03
Sample ID: 270783	Sample Dates: 9/23/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.62E-02	1.32E-03	2.93E-03
Sample ID: 271505	Sample Dates: 9/30/2013 - 10/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	3.00E-02	1.58E-03	2.69E-03
Sample ID: 272115	Sample Dates: 10/7/2013 - 10/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.12E-02	1.10E-03	2.55E-03
Sample ID: 272510	Sample Dates: 10/14/2013 - 10/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.14E-02	1.40E-03	2.70E-03

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 3 [INDICATOR - N @ 0.5 miles]

Sample ID:	272661	Sample Dates:	7/1/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.90E-02	0.00E+00	2.90E-02
				Cs-134	<2.25E-04	0.00E+00	2.25E-04
				Cs-137	<3.91E-04	0.00E+00	3.91E-04
				Be-7	1.10E-01	5.40E-03	4.72E-03
				K-40	<7.06E-03	0.00E+00	7.06E-03
Sample ID:	272898	Sample Dates:	10/21/2013 - 10/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.71E-02	1.57E-03	2.98E-03
Sample ID:	273986	Sample Dates:	10/28/2013 - 11/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	3.06E-02	1.64E-03	2.95E-03
Sample ID:	274436	Sample Dates:	11/4/2013 - 11/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.66E-02	1.32E-03	2.91E-03
Sample ID:	274961	Sample Dates:	11/11/2013 - 11/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.72E-02	1.33E-03	2.79E-03
Sample ID:	276504	Sample Dates:	11/18/2013 - 11/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.81E-02	1.34E-03	2.80E-03
Sample ID:	278769	Sample Dates:	11/25/2013 - 12/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.07E-02	1.38E-03	2.72E-03
Sample ID:	278840	Sample Dates:	12/2/2013 - 12/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.59E-02	1.30E-03	2.90E-03
Sample ID:	279080	Sample Dates:	12/9/2013 - 12/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.21E-02	1.41E-03	2.71E-03
Sample ID:	279708	Sample Dates:	12/16/2013 - 12/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.94E-02	1.39E-03	2.80E-03
Sample ID:	280197	Sample Dates:	12/23/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.86E-02	1.35E-03	2.84E-03
Sample ID:	280613	Sample Dates:	9/30/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Cs-134	<1.89E-04	0.00E+00	1.89E-04
				Cs-137	<2.25E-04	0.00E+00	2.25E-04
				Be-7	1.09E-01	4.38E-03	4.50E-03
				K-40	2.15E-02	2.26E-03	2.62E-03

Sample Point 4 [INDICATOR - ESE @ 0.4 miles]

Sample ID:	178079	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<7.00E-02	0.00E+00	7.00E-02
				Cs-134	<5.00E-02	0.00E+00	5.00E-02
				Cs-137	<6.00E-02	0.00E+00	6.00E-02
				Be-7	1.06E-01	2.23E-02	
Sample ID:	185458	Sample Dates:	1/7/2013 - 1/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.63E-02	2.20E-03	1.38E-03
Sample ID:	185475	Sample Dates:	1/14/2013 - 1/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.68E-02	2.18E-03	1.26E-03
Sample ID:	185492	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.03E-02	2.02E-03	1.50E-03
Sample ID:	185509	Sample Dates:	1/28/2013 - 1/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.76E-02	2.29E-03	1.53E-03
Sample ID:	185526	Sample Dates:	2/4/2013 - 2/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.66E-02	2.26E-03	1.47E-03
Sample ID:	185543	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.13E-02	2.02E-03	1.43E-03
Sample ID:	185559	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.73E-02	1.88E-03	1.43E-03

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 4 [INDICATOR - ESE @ 0.4 miles]

Sample ID:	185576	Sample Dates:	2/25/2013 - 2/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.70E-02	1.84E-03	1.38E-03
Sample ID:	185593	Sample Dates:	3/4/2013 - 3/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.56E-02	1.78E-03	1.37E-03
Sample ID:	185610	Sample Dates:	3/11/2013 - 3/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.42E-02	1.77E-03	1.48E-03
Sample ID:	185627	Sample Dates:	3/18/2013 - 3/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.35E-02	2.10E-03	1.43E-03
Sample ID:	185644	Sample Dates:	3/24/2013 - 3/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.21E-02	2.25E-03	1.72E-03
Sample ID:	185661	Sample Dates:	4/1/2013 - 4/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.54E-02	1.65E-03	1.30E-03
Sample ID:	256281	Sample Dates:	4/1/2013 - 4/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.81E-02	1.28E-03	2.67E-03
Sample ID:	256344	Sample Dates:	4/8/2013 - 4/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.59E-02	1.25E-03	2.74E-03
Sample ID:	257134	Sample Dates:	4/22/2013 - 4/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.51E-02	1.24E-03	2.85E-03
Sample ID:	257240	Sample Dates:	4/15/2013 - 4/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.27E-02	1.12E-03	2.52E-03
Sample ID:	257287	Sample Dates:	4/29/2013 - 5/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	7.24E-03	1.08E-03	2.95E-03
Sample ID:	257734	Sample Dates:	5/6/2013 - 5/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.52E-02	1.30E-03	2.89E-03
Sample ID:	257978	Sample Dates:	5/13/2013 - 5/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.41E-02	1.37E-03	2.50E-03
Sample ID:	258213	Sample Dates:	5/20/2013 - 5/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.11E-02	1.29E-03	3.21E-03
Sample ID:	258560	Sample Dates:	5/26/2013 - 6/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.31E-02	1.09E-03	2.46E-03
Sample ID:	259030	Sample Dates:	6/3/2013 - 6/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.01E-02	1.14E-03	2.83E-03
Sample ID:	259578	Sample Dates:	6/10/2013 - 6/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.37E-02	1.12E-03	2.48E-03
Sample ID:	260212	Sample Dates:	6/18/2013 - 6/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.06E-02	1.36E-03	3.56E-03
Sample ID:	260672	Sample Dates:	7/1/2013 - 7/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	4.68E-03	9.59E-04	2.74E-03
Sample ID:	261635	Sample Dates:	7/8/2013 - 7/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	8.58E-03	1.08E-03	2.78E-03
Sample ID:	261958	Sample Dates:	6/24/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.54E-02	1.21E-03	2.48E-03
Sample ID:	262137	Sample Dates:	7/15/2013 - 7/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	9.40E-03	1.15E-03	2.94E-03
Sample ID:	262734	Sample Dates:	4/1/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.62E-02	0.00E+00	2.62E-02
				Cs-134	<1.43E-04	0.00E+00	1.43E-04
				Cs-137	<1.59E-04	0.00E+00	1.59E-04
				Be-7	1.27E-01	2.74E-03	2.37E-03
				K-40	2.14E-02	1.29E-03	1.55E-03

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 4 [INDICATOR - ESE @ 0.4 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
263210	7/22/2013 - 7/29/2013	Beta	1.57E-02	1.26E-03	2.74E-03
263425	7/29/2013 - 8/5/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.79E-02	1.40E-03	3.12E-03
264080	8/5/2013 - 8/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.39E-02	1.32E-03	3.16E-03
265214	8/12/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.35E-02	1.08E-03	2.26E-03
265534	8/20/2013 - 8/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.29E-02	1.34E-03	3.19E-03
267209	8/26/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.49E-02	1.42E-03	2.70E-03
267679	9/3/2013 - 9/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.69E-02	1.72E-03	3.41E-03
268519	9/9/2013 - 9/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.98E-02	1.60E-03	2.90E-03
269689	9/16/2013 - 9/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.06E-02	1.44E-03	2.94E-03
270784	9/23/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.55E-02	1.30E-03	2.92E-03
271506	9/30/2013 - 10/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	3.03E-02	3.56E-03	8.87E-03
272116	10/7/2013 - 10/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.56E-02	2.88E-03	7.00E-03
272511	10/14/2013 - 10/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.64E-02	1.30E-03	2.78E-03
272662	7/1/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		I-131	<2.86E-02	0.00E+00	2.86E-02
		Cs-134	<2.70E-04	0.00E+00	2.70E-04
		Cs-137	<2.89E-04	0.00E+00	2.89E-04
		Be-7	1.10E-01	4.67E-03	4.71E-03
		K-40	2.34E-02	2.21E-03	2.60E-03
272899	10/21/2013 - 10/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.45E-02	1.53E-03	3.05E-03
273987	10/28/2013 - 11/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.61E-02	1.56E-03	2.99E-03
274437	11/4/2013 - 11/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.44E-02	1.27E-03	2.95E-03
274962	11/11/2013 - 11/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.79E-02	1.36E-03	2.81E-03
276505	11/18/2013 - 11/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.64E-02	1.33E-03	2.88E-03
278770	11/25/2013 - 12/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.66E-02	1.30E-03	2.78E-03
278841	12/2/2013 - 12/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.53E-02	1.32E-03	2.99E-03
279081	12/9/2013 - 12/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.96E-02	1.38E-03	2.79E-03
279709	12/16/2013 - 12/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.77E-02	1.36E-03	2.88E-03

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 4 [INDICATOR - ESE @ 0.4 miles]

Sample ID:	280198	Sample Dates:	12/23/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.73E-02	1.36E-03	2.96E-03
Sample ID:	280614	Sample Dates:	9/30/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Cs-134	<3.42E-04	0.00E+00	3.42E-04
				Cs-137	<3.38E-04	0.00E+00	3.38E-04
				Be-7	1.02E-01	5.28E-03	4.35E-03
				K-40	6.67E-03	2.55E-03	4.77E-03

Sample Point 5 [INDICATOR - ENE @ 0.9 miles]

Sample ID:	178080	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<7.00E-02	0.00E+00	7.00E-02
				Cs-134	<5.00E-02	0.00E+00	5.00E-02
				Cs-137	<6.00E-02	0.00E+00	6.00E-02
				Be-7	1.04E-01	2.27E-02	
Sample ID:	185459	Sample Dates:	1/7/2013 - 1/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.73E-02	2.25E-03	1.39E-03
Sample ID:	185476	Sample Dates:	1/14/2013 - 1/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.34E-02	2.06E-03	1.27E-03
Sample ID:	185493	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.91E-02	1.98E-03	1.51E-03
Sample ID:	185510	Sample Dates:	1/28/2013 - 1/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	3.07E-02	2.40E-03	1.54E-03
Sample ID:	185527	Sample Dates:	2/4/2013 - 2/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.40E-02	2.18E-03	1.49E-03
Sample ID:	185544	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.11E-02	2.02E-03	1.44E-03
Sample ID:	185560	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.44E-02	1.71E-03	1.38E-03
Sample ID:	185577	Sample Dates:	2/25/2013 - 2/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.63E-02	1.81E-03	1.39E-03
Sample ID:	185594	Sample Dates:	3/4/2013 - 3/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.43E-02	1.71E-03	1.37E-03
Sample ID:	185611	Sample Dates:	3/11/2013 - 3/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.46E-02	1.78E-03	1.47E-03
Sample ID:	185628	Sample Dates:	3/18/2013 - 3/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.53E-02	2.28E-03	1.55E-03
Sample ID:	185645	Sample Dates:	3/24/2013 - 3/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.15E-02	2.34E-03	1.86E-03
Sample ID:	185662	Sample Dates:	4/1/2013 - 4/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.54E-02	1.74E-03	1.43E-03
Sample ID:	256282	Sample Dates:	4/1/2013 - 4/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.84E-02	1.37E-03	2.94E-03
Sample ID:	256345	Sample Dates:	4/8/2013 - 4/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.43E-02	1.24E-03	2.84E-03
Sample ID:	257135	Sample Dates:	4/22/2013 - 4/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.53E-02	1.34E-03	3.18E-03
Sample ID:	257241	Sample Dates:	4/15/2013 - 4/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.33E-02	1.14E-03	2.55E-03
Sample ID:	257288	Sample Dates:	4/29/2013 - 5/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	8.61E-03	1.15E-03	3.08E-03
Sample ID:	257735	Sample Dates:	5/6/2013 - 5/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.57E-02	1.29E-03	2.83E-03

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 5 [INDICATOR - ENE @ 0.9 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
257979	5/13/2013 - 5/20/2013	Beta	2.50E-02	1.51E-03	2.83E-03
258214	5/20/2013 - 5/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.22E-02	1.37E-03	3.38E-03
258561	5/26/2013 - 6/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.56E-02	1.19E-03	2.61E-03
259031	6/3/2013 - 6/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.18E-02	1.22E-03	2.93E-03
259579	6/10/2013 - 6/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.44E-02	1.16E-03	2.53E-03
260213	6/18/2013 - 6/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.32E-02	1.42E-03	3.53E-03
260673	7/1/2013 - 7/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	7.61E-03	1.06E-03	2.79E-03
261636	7/8/2013 - 7/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	9.11E-03	1.12E-03	2.88E-03
261960	6/24/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.38E-02	1.18E-03	2.51E-03
262138	7/15/2013 - 7/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	9.52E-03	1.17E-03	2.99E-03
262735	4/1/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		I-131	<3.56E-02	0.00E+00	3.56E-02
		Cs-134	<3.38E-04	0.00E+00	3.38E-04
		Cs-137	<4.30E-04	0.00E+00	4.30E-04
		Be-7	1.38E-01	6.69E-03	5.96E-03
		K-40	1.70E-02	2.53E-03	1.02E-03
263211	7/22/2013 - 7/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.75E-02	1.35E-03	2.88E-03
263426	7/29/2013 - 8/5/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.02E-02	1.45E-03	3.10E-03
264081	8/5/2013 - 8/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.41E-02	1.33E-03	3.22E-03
265215	8/12/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	9.98E-03	9.89E-04	2.26E-03
265535	8/20/2013 - 8/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.18E-02	1.32E-03	3.23E-03
267210	8/26/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.73E-02	1.47E-03	2.73E-03
267680	9/3/2013 - 9/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.73E-02	1.73E-03	3.44E-03
268620	9/9/2013 - 9/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.75E-02	1.57E-03	2.94E-03
269690	9/16/2013 - 9/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.13E-02	1.47E-03	2.98E-03
270785	9/23/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.85E-02	1.49E-03	3.26E-03
271507	9/30/2013 - 10/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.48E-02	1.50E-03	2.77E-03
272117	10/7/2013 - 10/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	9.62E-03	1.08E-03	2.61E-03

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 5 [INDICATOR - ENE @ 0.9 miles]

Sample ID:	272512	Sample Dates:	10/14/2013 - 10/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.94E-02	1.37E-03	2.78E-03
Sample ID:	272663	Sample Dates:	7/1/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.15E-02	0.00E+00	3.15E-02
				Cs-134	<3.09E-04	0.00E+00	3.09E-04
				Cs-137	<2.98E-04	0.00E+00	2.98E-04
				Be-7	1.08E-01	5.60E-03	5.08E-03
				K-40	1.00E-02	1.83E-03	2.53E-03
Sample ID:	272900	Sample Dates:	10/21/2013 - 10/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.48E-02	1.53E-03	3.03E-03
Sample ID:	273988	Sample Dates:	10/28/2013 - 11/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.64E-02	1.57E-03	3.02E-03
Sample ID:	274438	Sample Dates:	11/4/2013 - 11/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.68E-02	1.34E-03	2.98E-03
Sample ID:	274963	Sample Dates:	11/11/2013 - 11/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.47E-02	1.26E-03	2.76E-03
Sample ID:	276506	Sample Dates:	11/18/2013 - 11/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.73E-02	1.35E-03	2.88E-03
Sample ID:	278771	Sample Dates:	11/25/2013 - 12/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.60E-02	1.27E-03	2.74E-03
Sample ID:	278842	Sample Dates:	12/2/2013 - 12/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.60E-02	1.33E-03	2.96E-03
Sample ID:	279082	Sample Dates:	12/9/2013 - 12/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.90E-02	1.35E-03	2.77E-03
Sample ID:	279710	Sample Dates:	12/16/2013 - 12/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.56E-02	1.31E-03	2.89E-03
Sample ID:	280199	Sample Dates:	12/23/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.64E-02	1.34E-03	2.96E-03
Sample ID:	280615	Sample Dates:	9/30/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Cs-134	<2.51E-04	0.00E+00	2.51E-04
				Cs-137	<3.00E-04	0.00E+00	3.00E-04
				Be-7	9.12E-02	4.91E-03	3.98E-03
				K-40	8.44E-03	1.66E-03	3.00E-03

Sample Point 6 [INDICATOR - SSW @ 0.2 miles]

Sample ID:	178081	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<7.00E-02	0.00E+00	7.00E-02
				Cs-134	<5.00E-02	0.00E+00	5.00E-02
				Cs-137	<6.00E-02	0.00E+00	6.00E-02
				Be-7	1.25E-01	2.48E-02	
				K-40	2.56E-02	1.29E-02	
				Bi-214	1.54E-03	1.13E-03	
Sample ID:	185460	Sample Dates:	1/7/2013 - 1/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.57E-02	2.17E-03	1.36E-03
Sample ID:	185477	Sample Dates:	1/14/2013 - 1/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.36E-02	2.05E-03	1.25E-03
Sample ID:	185494	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.05E-02	2.02E-03	1.48E-03
Sample ID:	185511	Sample Dates:	1/28/2013 - 1/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.98E-02	2.35E-03	1.52E-03
Sample ID:	185528	Sample Dates:	2/4/2013 - 2/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.69E-02	2.25E-03	1.45E-03

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 6 [INDICATOR - SSW @ 0.2 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
185545	2/11/2013 - 2/11/2013	Beta	2.21E-02	2.04E-03	1.42E-03
185561	2/18/2013 - 2/18/2013	Beta	1.78E-02	1.89E-03	1.42E-03
185578	2/25/2013 - 2/25/2013	Beta	1.87E-02	1.97E-03	1.46E-03
185595	3/4/2013 - 3/4/2013	Beta	1.69E-02	1.84E-03	1.38E-03
185612	3/11/2013 - 3/11/2013	Beta	1.60E-02	1.89E-03	1.53E-03
185629	3/18/2013 - 3/18/2013	Beta	2.25E-02	2.00E-03	1.34E-03
185646	3/24/2013 - 3/24/2013	Beta	1.93E-02	2.07E-03	1.63E-03
185663	4/1/2013 - 4/1/2013	Beta	1.56E-02	1.60E-03	1.24E-03
256283	4/1/2013 - 4/8/2013	Beta	2.24E-02	1.46E-03	2.91E-03
256346	4/8/2013 - 4/15/2013	Beta	1.38E-02	1.16E-03	2.63E-03
257136	4/22/2013 - 4/29/2013	Beta	1.30E-02	1.16E-03	2.75E-03
257243	4/15/2013 - 4/22/2013	Beta	1.32E-02	1.26E-03	2.95E-03
257289	4/29/2013 - 5/6/2013	Beta	8.65E-03	1.07E-03	2.78E-03
257736	5/6/2013 - 5/13/2013	Beta	1.58E-02	1.32E-03	2.90E-03
257980	5/13/2013 - 5/20/2013	Beta	2.31E-02	1.35E-03	2.48E-03
258215	5/20/2013 - 5/26/2013	Beta	1.53E-02	1.45E-03	3.38E-03
258562	5/26/2013 - 6/3/2013	Beta	1.39E-02	1.20E-03	2.75E-03
259032	6/3/2013 - 6/10/2013	Beta	1.05E-02	1.08E-03	2.61E-03
259580	6/10/2013 - 6/18/2013	Beta	1.33E-02	1.05E-03	2.27E-03
260214	6/18/2013 - 6/24/2013	Beta	1.08E-02	1.27E-03	3.25E-03
260674	7/1/2013 - 7/8/2013	Beta	7.26E-03	9.73E-04	2.52E-03
261637	7/8/2013 - 7/15/2013	Beta	7.60E-03	9.81E-04	2.54E-03
261962	6/24/2013 - 7/1/2013	Beta	1.45E-02	1.12E-03	2.26E-03
262139	7/15/2013 - 7/22/2013	Beta	6.44E-03	9.87E-04	2.69E-03
262736	4/1/2013 - 7/1/2013	I-131	<2.67E-02	0.00E+00	2.67E-02

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error, results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 6 [INDICATOR - SSW @ 0.2 miles]

Sample ID:	262736	Sample Dates:	4/1/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Cs-134	<2.89E-04	0.00E+00	2.89E-04
				Cs-137	<3.54E-04	0.00E+00	3.54E-04
				Be-7	1.31E-01	5.14E-03	4.83E-03
				K-40	1.36E-02	2.27E-03	4.17E-03
Sample ID:	263212	Sample Dates:	7/22/2013 - 7/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.34E-02	1.16E-03	2.60E-03
Sample ID:	263427	Sample Dates:	7/29/2013 - 8/5/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.71E-02	1.30E-03	2.85E-03
Sample ID:	264082	Sample Dates:	8/5/2013 - 8/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.20E-02	1.18E-03	2.88E-03
Sample ID:	265216	Sample Dates:	8/12/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.10E-02	9.54E-04	2.06E-03
Sample ID:	265536	Sample Dates:	8/20/2013 - 8/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.31E-02	1.26E-03	2.91E-03
Sample ID:	267211	Sample Dates:	8/26/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.35E-02	1.31E-03	2.46E-03
Sample ID:	267681	Sample Dates:	9/3/2013 - 9/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.55E-02	1.59E-03	3.11E-03
Sample ID:	268521	Sample Dates:	9/9/2013 - 9/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.61E-02	1.44E-03	2.64E-03
Sample ID:	269691	Sample Dates:	9/16/2013 - 9/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.07E-02	1.36E-03	2.70E-03
Sample ID:	270786	Sample Dates:	9/23/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.62E-02	1.23E-03	2.66E-03
Sample ID:	271508	Sample Dates:	9/30/2013 - 10/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.27E-02	1.36E-03	2.49E-03
Sample ID:	272118	Sample Dates:	10/7/2013 - 10/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	9.12E-03	1.01E-03	2.45E-03
Sample ID:	272513	Sample Dates:	10/14/2013 - 10/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.61E-02	1.23E-03	2.56E-03
Sample ID:	272664	Sample Dates:	7/1/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<6.56E-02	0.00E+00	6.56E-02
				Cs-134	<5.42E-04	0.00E+00	5.42E-04
				Cs-137	<5.89E-04	0.00E+00	5.89E-04
				Be-7	1.25E-01	6.47E-03	8.94E-03
				K-40	1.74E-02	3.36E-03	6.12E-03
Sample ID:	272901	Sample Dates:	10/21/2013 - 10/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.39E-02	1.43E-03	2.79E-03
Sample ID:	273989	Sample Dates:	10/28/2013 - 11/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.80E-02	1.52E-03	2.79E-03
Sample ID:	274439	Sample Dates:	11/4/2013 - 11/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.41E-02	1.22E-03	2.79E-03
Sample ID:	274964	Sample Dates:	11/11/2013 - 11/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.58E-02	1.23E-03	2.58E-03
Sample ID:	276507	Sample Dates:	11/18/2013 - 11/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.39E-02	1.20E-03	2.69E-03
Sample ID:	278772	Sample Dates:	11/25/2013 - 12/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.59E-02	1.22E-03	2.57E-03
Sample ID:	278843	Sample Dates:	12/2/2013 - 12/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.57E-02	1.27E-03	2.79E-03

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 6 [INDICATOR - SSW @ 0.2 miles]

Sample ID:	279083	Sample Dates:	12/9/2013 - 12/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.07E-02	1.34E-03	2.61E-03
Sample ID:	279711	Sample Dates:	12/16/2013 - 12/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.42E-02	1.21E-03	2.68E-03
Sample ID:	280200	Sample Dates:	12/23/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.49E-02	1.25E-03	2.77E-03
Sample ID:	280617	Sample Dates:	9/30/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Cs-134	<2.32E-04	0.00E+00	2.32E-04
				Cs-137	<3.41E-04	0.00E+00	3.41E-04
				Be-7	8.51E-02	4.63E-03	4.08E-03
				K-40	7.29E-03	2.09E-03	3.94E-03

Sample Point 7 [INDICATOR - ESE @ 6.4 miles]

Sample ID:	178082	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<7.00E-02	0.00E+00	7.00E-02
				Cs-134	<5.00E-02	0.00E+00	5.00E-02
				Cs-137	<6.00E-02	0.00E+00	6.00E-02
				Be-7	1.16E-01	2.75E-02	
				K-40	4.46E-02	2.06E-02	
Sample ID:	185461	Sample Dates:	1/7/2013 - 1/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.65E-02	2.19E-03	1.36E-03
Sample ID:	185478	Sample Dates:	1/14/2013 - 1/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.42E-02	2.07E-03	1.25E-03
Sample ID:	185495	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.06E-02	2.01E-03	1.47E-03
Sample ID:	185512	Sample Dates:	1/28/2013 - 1/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.73E-02	2.25E-03	1.50E-03
Sample ID:	185529	Sample Dates:	2/4/2013 - 2/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.46E-02	2.55E-03	1.92E-03
Sample ID:	185562	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.13E-02	2.08E-03	1.47E-03
Sample ID:	185579	Sample Dates:	2/25/2013 - 2/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.72E-02	1.93E-03	1.49E-03
Sample ID:	185596	Sample Dates:	3/4/2013 - 3/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.72E-02	1.88E-03	1.42E-03
Sample ID:	185613	Sample Dates:	3/11/2013 - 3/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.61E-02	1.87E-03	1.50E-03
Sample ID:	185630	Sample Dates:	3/18/2013 - 3/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.35E-02	2.16E-03	1.49E-03
Sample ID:	185647	Sample Dates:	3/24/2013 - 3/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.83E-02	2.18E-03	1.83E-03
Sample ID:	185664	Sample Dates:	4/1/2013 - 4/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.75E-02	1.82E-03	1.41E-03
Sample ID:	256284	Sample Dates:	4/1/2013 - 4/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.77E-02	1.32E-03	2.81E-03
Sample ID:	256347	Sample Dates:	4/8/2013 - 4/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.15E-02	1.16E-03	2.79E-03
Sample ID:	257137	Sample Dates:	4/22/2013 - 4/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.28E-02	1.23E-03	3.02E-03
Sample ID:	257245	Sample Dates:	4/15/2013 - 4/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.47E-02	1.25E-03	2.78E-03

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error, results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 7 [INDICATOR - ESE @ 6.4 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
257290	4/29/2013 - 5/6/2013	Beta	8.52E-03	1.11E-03	2.96E-03
257737	5/6/2013 - 5/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.44E-02	1.22E-03	2.70E-03
257981	5/13/2013 - 5/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.47E-02	1.46E-03	2.71E-03
258216	5/20/2013 - 5/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.16E-02	1.29E-03	3.18E-03
258563	5/26/2013 - 6/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.24E-02	1.09E-03	2.51E-03
259033	6/3/2013 - 6/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.03E-02	1.13E-03	2.78E-03
259581	6/10/2013 - 6/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.43E-02	1.12E-03	2.40E-03
260215	6/18/2013 - 6/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	9.87E-03	1.27E-03	3.33E-03
260675	7/1/2013 - 7/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	7.72E-03	1.01E-03	2.62E-03
261638	7/8/2013 - 7/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	8.53E-03	1.10E-03	2.85E-03
261965	6/24/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.27E-02	1.12E-03	2.43E-03
262140	7/15/2013 - 7/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	7.67E-03	1.02E-03	2.69E-03
262737	4/1/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		I-131	<6.88E-02	0.00E+00	6.88E-02
		Cs-134	<3.85E-04	0.00E+00	3.85E-04
		Cs-137	<4.06E-04	0.00E+00	4.06E-04
		Be-7	1.29E-01	4.64E-03	6.28E-03
		K-40	2.62E-02	2.20E-03	4.85E-03
263213	7/22/2013 - 7/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.53E-02	1.25E-03	2.74E-03
263428	7/29/2013 - 8/5/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.88E-02	1.34E-03	2.86E-03
264083	8/5/2013 - 8/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.35E-02	1.17E-03	2.53E-03
265217	8/12/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.14E-02	9.96E-04	2.15E-03
265537	8/20/2013 - 8/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.16E-02	1.26E-03	3.06E-03
267212	8/26/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.29E-02	1.33E-03	2.56E-03
267682	9/3/2013 - 9/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.73E-02	1.71E-03	3.36E-03
268522	9/9/2013 - 9/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.85E-02	1.54E-03	2.79E-03
269692	9/16/2013 - 9/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.29E-02	1.45E-03	2.81E-03
270787	9/23/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.68E-02	1.29E-03	2.80E-03

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error, results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 7 [INDICATOR - ESE @ 6.4 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.37E-02	1.48E-03	2.79E-03
Sample ID: 272119	Sample Dates: 10/7/2013 - 10/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	9.62E-03	1.02E-03	2.41E-03
Sample ID: 272514	Sample Dates: 10/14/2013 - 10/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.90E-02	1.34E-03	2.69E-03
Sample ID: 272665	Sample Dates: 7/1/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		I-131	<6.98E-02	0.00E+00	6.98E-02
		Cs-134	<5.62E-04	0.00E+00	5.62E-04
		Cs-137	<5.77E-04	0.00E+00	5.77E-04
		Be-7	1.15E-01	7.12E-03	8.80E-03
		K-40	2.82E-02	4.18E-03	7.51E-03
Sample ID: 272902	Sample Dates: 10/21/2013 - 10/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.29E-02	1.46E-03	2.95E-03
Sample ID: 273990	Sample Dates: 10/28/2013 - 11/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.75E-02	1.56E-03	2.92E-03
Sample ID: 274440	Sample Dates: 11/4/2013 - 11/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.38E-02	1.25E-03	2.92E-03
Sample ID: 274965	Sample Dates: 11/11/2013 - 11/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.81E-02	1.32E-03	2.67E-03
Sample ID: 276508	Sample Dates: 11/18/2013 - 11/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.84E-02	1.35E-03	2.81E-03
Sample ID: 278773	Sample Dates: 11/25/2013 - 12/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.78E-02	1.31E-03	2.72E-03
Sample ID: 278844	Sample Dates: 12/2/2013 - 12/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.66E-02	1.32E-03	2.89E-03
Sample ID: 279084	Sample Dates: 12/9/2013 - 12/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.02E-02	1.36E-03	2.70E-03
Sample ID: 279712	Sample Dates: 12/16/2013 - 12/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.60E-02	1.27E-03	2.74E-03
Sample ID: 280201	Sample Dates: 12/23/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.99E-02	1.42E-03	2.94E-03
Sample ID: 280620	Sample Dates: 9/30/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Cs-134	<2.93E-04	0.00E+00	2.93E-04
		Cs-137	<2.43E-04	0.00E+00	2.43E-04
		Be-7	8.72E-02	4.76E-03	5.23E-03
		K-40	8.41E-03	1.88E-03	3.38E-03

Sample Point 55 [INDICATOR - SSE @ 0.2 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		I-131	<7.00E-02	0.00E+00	7.00E-02
		Cs-134	<5.00E-02	0.00E+00	5.00E-02
		Cs-137	<6.00E-02	0.00E+00	6.00E-02
		Be-7	9.56E-02	2.22E-02	
		K-40	6.67E-02	1.99E-02	
		Pb-212	1.42E-03	1.20E-03	
Sample ID: 185462	Sample Dates: 1/7/2013 - 1/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.86E-02	2.27E-03	1.36E-03
Sample ID: 185479	Sample Dates: 1/14/2013 - 1/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.60E-02	2.12E-03	1.23E-03
Sample ID: 185496	Sample Dates: 1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.82E-02	1.94E-03	1.51E-03

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error, results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 55 [INDICATOR - SSE @ 0.2 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.79E-02	2.30E-03	1.53E-03
Sample ID: 185530	Sample Dates: 2/4/2013 - 2/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.50E-02	2.18E-03	1.45E-03
Sample ID: 185546	Sample Dates: 2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.08E-02	1.98E-03	1.41E-03
Sample ID: 185563	Sample Dates: 2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.91E-02	1.96E-03	1.44E-03
Sample ID: 185580	Sample Dates: 2/25/2013 - 2/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.98E-02	1.99E-03	1.43E-03
Sample ID: 185597	Sample Dates: 3/4/2013 - 3/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.63E-02	1.85E-03	1.43E-03
Sample ID: 185614	Sample Dates: 3/11/2013 - 3/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.57E-02	2.00E-03	1.69E-03
Sample ID: 185631	Sample Dates: 3/18/2013 - 3/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.43E-02	2.19E-03	1.49E-03
Sample ID: 185648	Sample Dates: 3/24/2013 - 3/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.51E-02	2.46E-03	1.83E-03
Sample ID: 185665	Sample Dates: 4/1/2013 - 4/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.69E-02	1.76E-03	1.37E-03
Sample ID: 256285	Sample Dates: 4/1/2013 - 4/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.96E-02	1.37E-03	2.82E-03
Sample ID: 256348	Sample Dates: 4/8/2013 - 4/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.45E-02	1.21E-03	2.72E-03
Sample ID: 257138	Sample Dates: 4/22/2013 - 4/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.31E-02	1.24E-03	3.03E-03
Sample ID: 257242	Sample Dates: 4/15/2013 - 4/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.40E-02	1.26E-03	2.89E-03
Sample ID: 257291	Sample Dates: 4/29/2013 - 5/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	7.46E-03	1.09E-03	2.96E-03
Sample ID: 257738	Sample Dates: 5/6/2013 - 5/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.47E-02	1.21E-03	2.66E-03
Sample ID: 257982	Sample Dates: 5/13/2013 - 5/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.53E-02	1.48E-03	2.73E-03
Sample ID: 258217	Sample Dates: 5/20/2013 - 5/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.38E-02	1.36E-03	3.23E-03
Sample ID: 258564	Sample Dates: 5/26/2013 - 6/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.32E-02	1.11E-03	2.53E-03
Sample ID: 259034	Sample Dates: 6/3/2013 - 6/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	8.90E-03	1.08E-03	2.75E-03
Sample ID: 259582	Sample Dates: 6/10/2013 - 6/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.21E-02	1.06E-03	2.39E-03
Sample ID: 260216	Sample Dates: 6/18/2013 - 6/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.01E-02	1.30E-03	3.40E-03
Sample ID: 260676	Sample Dates: 7/1/2013 - 7/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	6.89E-03	1.00E-03	2.66E-03
Sample ID: 261639	Sample Dates: 7/8/2013 - 7/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	7.18E-03	1.01E-03	2.69E-03

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 55 [INDICATOR - SSE @ 0.2 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.50E-02	1.18E-03	2.41E-03
Sample ID: 262141	Sample Dates: 7/15/2013 - 7/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	7.74E-03	1.07E-03	2.85E-03
Sample ID: 262738	Sample Dates: 4/1/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		I-131	<2.18E-02	0.00E+00	2.18E-02
		Cs-134	<2.34E-04	0.00E+00	2.34E-04
		Cs-137	<2.69E-04	0.00E+00	2.69E-04
		Be-7	1.30E-01	4.79E-03	3.46E-03
		K-40	1.25E-02	1.74E-03	2.28E-03
Sample ID: 263214	Sample Dates: 7/22/2013 - 7/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.40E-02	1.20E-03	2.67E-03
Sample ID: 263429	Sample Dates: 7/29/2013 - 8/5/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.86E-02	1.38E-03	3.00E-03
Sample ID: 264084	Sample Dates: 8/5/2013 - 8/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.31E-02	1.27E-03	3.06E-03
Sample ID: 265218	Sample Dates: 8/12/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.05E-02	9.78E-04	2.18E-03
Sample ID: 265538	Sample Dates: 8/20/2013 - 8/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.27E-02	1.30E-03	3.09E-03
Sample ID: 267213	Sample Dates: 8/26/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.37E-02	1.37E-03	2.62E-03
Sample ID: 267683	Sample Dates: 9/3/2013 - 9/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.67E-02	1.70E-03	3.37E-03
Sample ID: 268523	Sample Dates: 9/9/2013 - 9/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.78E-02	1.52E-03	2.78E-03
Sample ID: 269693	Sample Dates: 9/16/2013 - 9/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.15E-02	1.42E-03	2.84E-03
Sample ID: 270788	Sample Dates: 9/23/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.63E-02	1.29E-03	2.83E-03
Sample ID: 271510	Sample Dates: 9/30/2013 - 10/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.33E-02	1.42E-03	2.64E-03
Sample ID: 272120	Sample Dates: 10/7/2013 - 10/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	9.54E-03	1.07E-03	2.59E-03
Sample ID: 272515	Sample Dates: 10/14/2013 - 10/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.75E-02	1.31E-03	2.71E-03
Sample ID: 272666	Sample Dates: 7/1/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		I-131	<6.95E-02	0.00E+00	6.95E-02
		Cs-134	<5.83E-04	0.00E+00	5.83E-04
		Cs-137	<5.66E-04	0.00E+00	5.66E-04
		Be-7	1.26E-01	7.35E-03	8.89E-03
		K-40	2.77E-02	3.98E-03	6.60E-03
Sample ID: 272903	Sample Dates: 10/21/2013 - 10/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.33E-02	1.49E-03	3.00E-03
Sample ID: 273991	Sample Dates: 10/28/2013 - 11/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.87E-02	1.60E-03	2.96E-03
Sample ID: 274441	Sample Dates: 11/4/2013 - 11/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.55E-02	1.30E-03	2.94E-03
Sample ID: 274966	Sample Dates: 11/11/2013 - 11/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.63E-02	1.30E-03	2.73E-03
Sample ID: 276509	Sample Dates: 11/18/2013 - 11/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.80E-02	1.34E-03	2.82E-03

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 55 [INDICATOR - SSE @ 0.2 miles]

Sample ID:	278774	Sample Dates:	11/25/2013 - 12/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.81E-02	1.35E-03	2.82E-03
Sample ID:	278845	Sample Dates:	12/2/2013 - 12/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.79E-02	1.34E-03	2.87E-03
Sample ID:	279085	Sample Dates:	12/9/2013 - 12/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.19E-02	1.42E-03	2.76E-03
Sample ID:	279713	Sample Dates:	12/16/2013 - 12/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.70E-02	1.34E-03	2.86E-03
Sample ID:	280202	Sample Dates:	12/23/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.62E-02	1.33E-03	2.93E-03
Sample ID:	280616	Sample Dates:	9/30/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Cs-134	<2.46E-04	0.00E+00	2.46E-04
				Cs-137	<2.28E-04	0.00E+00	2.28E-04
				Be-7	8.68E-02	5.08E-03	4.43E-03
				K-40	8.01E-03	2.23E-03	3.92E-03

Sample Point 60 [INDICATOR - SE @ 0.2 miles]

Sample ID:	178084	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<7.00E-02	0.00E+00	7.00E-02
				Cs-134	<5.00E-02	0.00E+00	5.00E-02
				Cs-137	<6.00E-02	0.00E+00	6.00E-02
				Be-7	1.08E-01	2.20E-02	
				Ra-226	1.07E-02	9.44E-03	
Sample ID:	185463	Sample Dates:	1/7/2013 - 1/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.83E-02	2.26E-03	1.36E-03
Sample ID:	185480	Sample Dates:	1/14/2013 - 1/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.39E-02	2.05E-03	1.25E-03
Sample ID:	185497	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.97E-02	1.99E-03	1.48E-03
Sample ID:	185514	Sample Dates:	1/28/2013 - 1/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.99E-02	2.35E-03	1.51E-03
Sample ID:	185531	Sample Dates:	2/4/2013 - 2/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.47E-02	2.18E-03	1.46E-03
Sample ID:	185547	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.15E-02	2.01E-03	1.41E-03
Sample ID:	185564	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.82E-02	1.90E-03	1.42E-03
Sample ID:	185581	Sample Dates:	2/25/2013 - 2/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.89E-02	1.93E-03	1.40E-03
Sample ID:	185598	Sample Dates:	3/4/2013 - 3/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.67E-02	1.84E-03	1.39E-03
Sample ID:	185615	Sample Dates:	3/11/2013 - 3/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.71E-02	1.86E-03	1.44E-03
Sample ID:	185632	Sample Dates:	3/18/2013 - 3/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.40E-02	2.15E-03	1.45E-03
Sample ID:	185649	Sample Dates:	3/24/2013 - 3/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.25E-02	2.31E-03	1.77E-03
Sample ID:	185666	Sample Dates:	4/1/2013 - 4/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.78E-02	1.78E-03	1.35E-03
Sample ID:	256286	Sample Dates:	4/1/2013 - 4/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.80E-02	1.31E-03	2.76E-03

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 60 [INDICATOR - SE @ 0.2 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
256349	4/8/2013 - 4/15/2013	Beta	1.46E-02	1.20E-03	2.67E-03
257139	4/22/2013 - 4/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.26E-02	1.22E-03	2.96E-03
257244	4/15/2013 - 4/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.46E-02	1.26E-03	2.83E-03
257292	4/29/2013 - 5/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	9.06E-03	1.11E-03	2.91E-03
257739	5/6/2013 - 5/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.44E-02	1.19E-03	2.63E-03
257983	5/13/2013 - 5/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.78E-02	1.53E-03	2.71E-03
258218	5/20/2013 - 5/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.25E-02	1.31E-03	3.16E-03
258565	5/26/2013 - 6/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.21E-02	1.05E-03	2.42E-03
259035	6/3/2013 - 6/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	8.87E-03	1.08E-03	2.73E-03
259583	6/10/2013 - 6/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.47E-02	1.10E-03	2.34E-03
260217	6/18/2013 - 6/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.06E-02	1.29E-03	3.35E-03
260677	7/1/2013 - 7/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	5.84E-03	9.44E-04	2.57E-03
261640	7/8/2013 - 7/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	7.66E-03	1.01E-03	2.63E-03
261963	6/24/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.27E-02	1.09E-03	2.33E-03
262142	7/15/2013 - 7/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	8.77E-03	1.08E-03	2.77E-03
262739	4/1/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		I-131	<2.89E-02	0.00E+00	2.89E-02
		Cs-134	<2.79E-04	0.00E+00	2.79E-04
		Cs-137	<4.26E-04	0.00E+00	4.26E-04
		Be-7	1.34E-01	6.28E-03	5.66E-03
		K-40	1.48E-02	2.83E-03	3.72E-03
263215	7/22/2013 - 7/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.60E-02	1.21E-03	2.57E-03
263430	7/29/2013 - 8/5/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.89E-02	1.37E-03	2.94E-03
264085	8/5/2013 - 8/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.58E-02	1.31E-03	3.02E-03
265219	8/12/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.13E-02	9.81E-04	2.12E-03
265539	8/20/2013 - 8/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.37E-02	1.31E-03	3.00E-03
267214	8/26/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.59E-02	1.38E-03	2.54E-03
267684	9/3/2013 - 9/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.74E-02	1.67E-03	3.23E-03

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 60 [INDICATOR - SE @ 0.2 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.90E-02	1.53E-03	2.74E-03
Sample ID: 269694	Sample Dates: 9/16/2013 - 9/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.05E-02	1.38E-03	2.77E-03
Sample ID: 270789	Sample Dates: 9/23/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.47E-02	1.24E-03	2.78E-03
Sample ID: 271511	Sample Dates: 9/30/2013 - 10/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.71E-02	1.48E-03	2.58E-03
Sample ID: 272121	Sample Dates: 10/7/2013 - 10/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	9.98E-03	1.06E-03	2.52E-03
Sample ID: 272516	Sample Dates: 10/14/2013 - 10/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.86E-02	1.31E-03	2.63E-03
Sample ID: 272667	Sample Dates: 7/1/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		I-131	<6.58E-02	0.00E+00	6.58E-02
		Cs-134	<5.71E-04	0.00E+00	5.71E-04
		Cs-137	<6.33E-04	0.00E+00	6.33E-04
		Be-7	1.20E-01	7.73E-03	1.00E-02
		K-40	2.01E-02	3.87E-03	5.80E-03
Sample ID: 272904	Sample Dates: 10/21/2013 - 10/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.40E-02	1.47E-03	2.91E-03
Sample ID: 273992	Sample Dates: 10/28/2013 - 11/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.94E-02	1.58E-03	2.87E-03
Sample ID: 274442	Sample Dates: 11/4/2013 - 11/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.59E-02	1.28E-03	2.86E-03
Sample ID: 274967	Sample Dates: 11/11/2013 - 11/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.60E-02	1.26E-03	2.65E-03
Sample ID: 276510	Sample Dates: 11/18/2013 - 11/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.78E-02	1.32E-03	2.75E-03
Sample ID: 278775	Sample Dates: 11/25/2013 - 12/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.09E-02	1.36E-03	2.65E-03
Sample ID: 278846	Sample Dates: 12/2/2013 - 12/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.48E-02	1.26E-03	2.86E-03
Sample ID: 279086	Sample Dates: 12/9/2013 - 12/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.10E-02	1.37E-03	2.67E-03
Sample ID: 279714	Sample Dates: 12/16/2013 - 12/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.61E-02	1.29E-03	2.76E-03
Sample ID: 280203	Sample Dates: 12/23/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.61E-02	1.30E-03	2.84E-03
Sample ID: 280618	Sample Dates: 9/30/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Cs-134	<2.59E-04	0.00E+00	2.59E-04
		Cs-137	<2.01E-04	0.00E+00	2.01E-04
		Be-7	1.02E-01	4.23E-03	4.43E-03
		K-40	2.18E-02	2.25E-03	2.88E-03

Sample Point 61 [INDICATOR - WSW @ 0.3 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		I-131	<7.00E-02	0.00E+00	7.00E-02
		Cs-134	<5.00E-02	0.00E+00	5.00E-02
		Cs-137	<6.00E-02	0.00E+00	6.00E-02
		Be-7	9.13E-02	2.16E-02	
		K-40	3.05E-02	1.32E-02	
Sample ID: 185464	Sample Dates: 1/7/2013 - 1/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.54E-02	2.13E-03	1.33E-03

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 61 [INDICATOR - WSW @ 0.3 miles]

Sample ID:	185481	Sample Dates:	1/14/2013 - 1/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.43E-02	2.04E-03	1.22E-03
Sample ID:	185498	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.91E-02	1.93E-03	1.45E-03
Sample ID:	185515	Sample Dates:	1/28/2013 - 1/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.84E-02	2.27E-03	1.48E-03
Sample ID:	185532	Sample Dates:	2/4/2013 - 2/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.34E-02	2.09E-03	1.41E-03
Sample ID:	185548	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.71E-02	1.81E-03	1.38E-03
Sample ID:	185565	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.76E-02	1.83E-03	1.36E-03
Sample ID:	185582	Sample Dates:	2/25/2013 - 2/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.85E-02	1.87E-03	1.35E-03
Sample ID:	185599	Sample Dates:	3/4/2013 - 3/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.80E-02	2.00E-03	1.53E-03
Sample ID:	185616	Sample Dates:	3/11/2013 - 3/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.54E-02	1.79E-03	1.44E-03
Sample ID:	185633	Sample Dates:	3/18/2013 - 3/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.71E-02	2.35E-03	1.56E-03
Sample ID:	185650	Sample Dates:	3/24/2013 - 3/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.41E-02	2.47E-03	1.90E-03
Sample ID:	185667	Sample Dates:	4/1/2013 - 4/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.69E-02	1.82E-03	1.44E-03
Sample ID:	256287	Sample Dates:	4/1/2013 - 4/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.86E-02	1.39E-03	2.97E-03
Sample ID:	256350	Sample Dates:	4/8/2013 - 4/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.39E-02	1.24E-03	2.86E-03
Sample ID:	257140	Sample Dates:	4/22/2013 - 4/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.64E-02	1.37E-03	3.18E-03
Sample ID:	257246	Sample Dates:	4/15/2013 - 4/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.79E-02	1.41E-03	3.06E-03
Sample ID:	257293	Sample Dates:	4/29/2013 - 5/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.04E-02	1.25E-03	3.24E-03
Sample ID:	257740	Sample Dates:	5/6/2013 - 5/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.33E-02	1.26E-03	2.93E-03
Sample ID:	257984	Sample Dates:	5/13/2013 - 5/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.79E-02	1.61E-03	2.95E-03
Sample ID:	258219	Sample Dates:	5/20/2013 - 5/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.49E-02	1.49E-03	3.52E-03
Sample ID:	258566	Sample Dates:	5/26/2013 - 6/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.40E-02	1.20E-03	2.75E-03
Sample ID:	259036	Sample Dates:	6/3/2013 - 6/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.06E-02	1.21E-03	3.00E-03
Sample ID:	259584	Sample Dates:	6/10/2013 - 6/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.63E-02	1.23E-03	2.60E-03
Sample ID:	260218	Sample Dates:	6/18/2013 - 6/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.42E-02	1.50E-03	3.73E-03

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 61 [INDICATOR - WSW @ 0.3 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	7.49E-03	1.10E-03	2.92E-03
Sample ID: 261641	Sample Dates: 7/8/2013 - 7/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	9.64E-03	1.15E-03	2.91E-03
Sample ID: 261964	Sample Dates: 6/24/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.60E-02	1.27E-03	2.60E-03
Sample ID: 262143	Sample Dates: 7/15/2013 - 7/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	9.30E-03	1.19E-03	3.09E-03
Sample ID: 262740	Sample Dates: 4/1/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		I-131	<3.18E-02	0.00E+00	3.18E-02
		Cs-134	<2.83E-04	0.00E+00	2.83E-04
		Cs-137	<3.58E-04	0.00E+00	3.58E-04
		Be-7	1.40E-01	5.59E-03	4.77E-03
		K-40	1.64E-02	2.55E-03	3.92E-03
Sample ID: 263216	Sample Dates: 7/22/2013 - 7/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.77E-02	1.36E-03	2.87E-03
Sample ID: 263431	Sample Dates: 7/29/2013 - 8/5/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.06E-02	1.51E-03	3.27E-03
Sample ID: 264086	Sample Dates: 8/5/2013 - 8/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.62E-02	1.42E-03	3.31E-03
Sample ID: 265220	Sample Dates: 8/12/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.30E-02	1.11E-03	2.38E-03
Sample ID: 265540	Sample Dates: 8/20/2013 - 8/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.26E-02	1.38E-03	3.35E-03
Sample ID: 267215	Sample Dates: 8/26/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.77E-02	1.52E-03	2.84E-03
Sample ID: 267685	Sample Dates: 9/3/2013 - 9/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.68E-02	1.77E-03	3.57E-03
Sample ID: 268525	Sample Dates: 9/9/2013 - 9/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	3.14E-02	1.69E-03	3.05E-03
Sample ID: 269695	Sample Dates: 9/16/2013 - 9/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.09E-02	1.43E-03	2.88E-03
Sample ID: 270804	Sample Dates: 9/23/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.02E-02	1.43E-03	2.97E-03
Sample ID: 271512	Sample Dates: 9/30/2013 - 10/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.90E-02	1.64E-03	2.90E-03
Sample ID: 272122	Sample Dates: 10/7/2013 - 10/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.07E-02	1.18E-03	2.82E-03
Sample ID: 272517	Sample Dates: 10/14/2013 - 10/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.92E-02	1.43E-03	2.95E-03
Sample ID: 272668	Sample Dates: 7/1/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		I-131	<6.25E-02	0.00E+00	6.25E-02
		Cs-134	<4.83E-04	0.00E+00	4.83E-04
		Cs-137	<4.77E-04	0.00E+00	4.77E-04
		Be-7	1.31E-01	6.34E-03	7.88E-03
		K-40	2.39E-02	3.35E-03	6.55E-03
Sample ID: 272905	Sample Dates: 10/21/2013 - 10/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	2.63E-02	1.62E-03	3.19E-03
Sample ID: 273993	Sample Dates: 10/28/2013 - 11/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	3.03E-02	1.71E-03	3.19E-03
Sample ID: 274443	Sample Dates: 11/4/2013 - 11/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Beta	1.88E-02	1.46E-03	3.18E-03

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 61 [INDICATOR - WSW @ 0.3 miles]

Sample ID:	274968	Sample Dates:	11/11/2013 - 11/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.08E-02	1.48E-03	2.94E-03
Sample ID:	276511	Sample Dates:	11/18/2013 - 11/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.86E-02	1.44E-03	3.07E-03
Sample ID:	278776	Sample Dates:	11/25/2013 - 12/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.19E-02	1.48E-03	2.95E-03
Sample ID:	278847	Sample Dates:	12/2/2013 - 12/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.04E-02	1.51E-03	3.20E-03
Sample ID:	279087	Sample Dates:	12/9/2013 - 12/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.17E-02	1.48E-03	2.96E-03
Sample ID:	279715	Sample Dates:	12/16/2013 - 12/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.74E-02	1.41E-03	3.06E-03
Sample ID:	280204	Sample Dates:	12/23/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	2.00E-02	1.48E-03	3.14E-03
Sample ID:	280619	Sample Dates:	9/30/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Cs-134	<2.93E-04	0.00E+00	2.93E-04
				Cs-137	<3.26E-04	0.00E+00	3.26E-04
				Be-7	1.07E-01	6.27E-03	5.69E-03
				K-40	5.85E-03	1.65E-03	3.99E-03

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

Sample Point 1 [CONTROL - ESE @ 24.4 miles]

Sample ID:	177511	Sample Dates:	1/7/2013 - 1/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.64E-02	0.00E+00	1.64E-02
Sample ID:	177574	Sample Dates:	1/14/2013 - 1/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.88E-02	0.00E+00	1.88E-02
Sample ID:	177619	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.55E-02	0.00E+00	1.55E-02
Sample ID:	177653	Sample Dates:	1/28/2013 - 1/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.54E-02	0.00E+00	1.54E-02
Sample ID:	177687	Sample Dates:	2/4/2013 - 2/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.33E-02	0.00E+00	1.33E-02
Sample ID:	177732	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.63E-02	0.00E+00	1.63E-02
Sample ID:	177770	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.29E-02	0.00E+00	1.29E-02
Sample ID:	177841	Sample Dates:	2/25/2013 - 2/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.71E-02	0.00E+00	1.71E-02
Sample ID:	177877	Sample Dates:	3/4/2013 - 3/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.08E-02	0.00E+00	1.08E-02
Sample ID:	177926	Sample Dates:	3/11/2013 - 3/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.41E-02	0.00E+00	2.41E-02
Sample ID:	177962	Sample Dates:	3/18/2013 - 3/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.88E-02	0.00E+00	1.88E-02
Sample ID:	177989	Sample Dates:	3/24/2013 - 3/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.12E-02	0.00E+00	2.12E-02
Sample ID:	178023	Sample Dates:	4/1/2013 - 4/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.20E-02	0.00E+00	1.20E-02
Sample ID:	178093	Sample Dates:	4/8/2013 - 4/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.72E-02	0.00E+00	1.72E-02

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



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

Sample Point 1 [CONTROL - ESE @ 24.4 miles]

Sample ID:	256298	Sample Dates:	4/8/2013 - 4/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.12E-02	0.00E+00	2.12E-02
				Cs-134	<1.30E-02	0.00E+00	1.30E-02
				Cs-137	<8.66E-03	0.00E+00	8.66E-03
				Be-7	<9.70E-02	0.00E+00	9.70E-02
				K-40	<4.46E-01	0.00E+00	4.46E-01
Sample ID:	256646	Sample Dates:	4/15/2013 - 4/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.63E-02	0.00E+00	2.63E-02
				Cs-134	<1.57E-02	0.00E+00	1.57E-02
				Cs-137	<1.29E-02	0.00E+00	1.29E-02
				Be-7	5.69E-02	2.15E-02	1.06E-01
				K-40	4.67E-01	1.02E-01	1.62E-01
Sample ID:	257180	Sample Dates:	4/22/2013 - 4/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.24E-02	0.00E+00	2.24E-02
				Cs-134	<1.37E-02	0.00E+00	1.37E-02
				Cs-137	<1.32E-02	0.00E+00	1.32E-02
				Be-7	<1.15E-01	0.00E+00	1.15E-01
				K-40	4.00E-01	1.25E-01	5.93E-02
Sample ID:	257325	Sample Dates:	4/29/2013 - 5/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.50E-02	0.00E+00	1.50E-02
				Cs-134	<9.60E-03	0.00E+00	9.60E-03
				Cs-137	<1.27E-02	0.00E+00	1.27E-02
				Be-7	<9.46E-02	0.00E+00	9.46E-02
				K-40	7.63E-01	1.02E-01	1.24E-01
Sample ID:	257770	Sample Dates:	5/6/2013 - 5/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.97E-02	0.00E+00	1.97E-02
				Cs-134	<1.09E-02	0.00E+00	1.09E-02
				Cs-137	<1.48E-02	0.00E+00	1.48E-02
				Be-7	<6.97E-02	0.00E+00	6.97E-02
				K-40	<4.71E-01	0.00E+00	4.71E-01
Sample ID:	258016	Sample Dates:	5/13/2013 - 5/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.28E-02	0.00E+00	1.28E-02
				Cs-134	<1.18E-02	0.00E+00	1.18E-02
				Cs-137	<1.47E-02	0.00E+00	1.47E-02
				Be-7	<1.07E-01	0.00E+00	1.07E-01
				K-40	4.84E-01	9.87E-02	1.44E-01
Sample ID:	258262	Sample Dates:	5/20/2013 - 5/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.50E-02	0.00E+00	1.50E-02
				Cs-134	<1.98E-02	0.00E+00	1.98E-02
				Cs-137	<2.45E-02	0.00E+00	2.45E-02
				Be-7	<1.65E-01	0.00E+00	1.65E-01
				K-40	<5.91E-01	0.00E+00	5.91E-01
Sample ID:	258598	Sample Dates:	5/26/2013 - 6/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.85E-02	0.00E+00	1.85E-02
				Cs-134	<1.31E-02	0.00E+00	1.31E-02
				Cs-137	<1.51E-02	0.00E+00	1.51E-02
				Be-7	<1.43E-01	0.00E+00	1.43E-01
				K-40	3.89E-01	9.43E-02	1.72E-01
Sample ID:	259072	Sample Dates:	6/3/2013 - 6/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.55E-02	0.00E+00	1.55E-02
				Cs-134	<1.28E-02	0.00E+00	1.28E-02
				Cs-137	<1.08E-02	0.00E+00	1.08E-02
				Be-7	<9.72E-02	0.00E+00	9.72E-02
				K-40	3.39E-01	8.76E-02	1.63E-01
Sample ID:	259636	Sample Dates:	6/10/2013 - 6/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.23E-02	0.00E+00	2.23E-02
				Cs-134	<1.41E-02	0.00E+00	1.41E-02
				Cs-137	<1.43E-02	0.00E+00	1.43E-02
				Be-7	<9.50E-02	0.00E+00	9.50E-02
				K-40	4.30E-01	1.21E-01	1.66E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 1 [CONTROL - ESE @ 24.4 miles]

Sample ID:	260268	Sample Dates:	6/18/2013 - 6/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.10E-02	0.00E+00	2.10E-02
				Cs-134	<1.98E-02	0.00E+00	1.98E-02
				Cs-137	<2.63E-02	0.00E+00	2.63E-02
				Be-7	<2.04E-01	0.00E+00	2.04E-01
				K-40	1.96E-01	1.21E-01	2.17E-01
Sample ID:	260740	Sample Dates:	7/1/2013 - 7/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.14E-02	0.00E+00	1.14E-02
				Cs-134	<1.07E-02	0.00E+00	1.07E-02
				Cs-137	<1.07E-02	0.00E+00	1.07E-02
				Be-7	<7.96E-02	0.00E+00	7.96E-02
				K-40	4.18E-01	7.18E-02	8.99E-02
Sample ID:	261679	Sample Dates:	7/8/2013 - 7/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<9.24E-03	0.00E+00	9.24E-03
				Cs-134	<8.24E-03	0.00E+00	8.24E-03
				Cs-137	<1.13E-02	0.00E+00	1.13E-02
				Be-7	<8.11E-02	0.00E+00	8.11E-02
				K-40	3.85E-01	8.61E-02	1.41E-01
Sample ID:	261946	Sample Dates:	6/24/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.55E-02	0.00E+00	1.55E-02
				Cs-134	<1.64E-02	0.00E+00	1.64E-02
				Cs-137	<1.38E-02	0.00E+00	1.38E-02
				Be-7	<1.55E-01	0.00E+00	1.55E-01
				K-40	<5.34E-01	0.00E+00	5.34E-01
Sample ID:	262189	Sample Dates:	7/15/2013 - 7/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.31E-02	0.00E+00	2.31E-02
				Cs-134	<1.99E-02	0.00E+00	1.99E-02
				Cs-137	<2.12E-02	0.00E+00	2.12E-02
				Be-7	<1.39E-01	0.00E+00	1.39E-01
				K-40	<5.62E-01	0.00E+00	5.62E-01
Sample ID:	263645	Sample Dates:	7/29/2013 - 8/5/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.22E-02	0.00E+00	2.22E-02
				Cs-134	<1.64E-02	0.00E+00	1.64E-02
				Cs-137	<1.63E-02	0.00E+00	1.63E-02
				Be-7	<1.27E-01	0.00E+00	1.27E-01
				K-40	4.88E-01	1.12E-01	1.94E-01
Sample ID:	265035	Sample Dates:	7/22/2013 - 7/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<8.78E-03	0.00E+00	8.78E-03
				Cs-134	<3.33E-03	0.00E+00	3.33E-03
				Cs-137	<3.95E-03	0.00E+00	3.95E-03
				Be-7	<3.33E-02	0.00E+00	3.33E-02
				K-40	5.26E-01	4.27E-02	3.69E-02
Sample ID:	266652	Sample Dates:	8/5/2013 - 8/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.45E-02	0.00E+00	2.45E-02
				Cs-134	<1.46E-02	0.00E+00	1.46E-02
				Cs-137	<2.08E-02	0.00E+00	2.08E-02
				Be-7	<1.36E-01	0.00E+00	1.36E-01
				K-40	4.86E-01	1.14E-01	7.29E-02
Sample ID:	267532	Sample Dates:	8/12/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.05E-02	0.00E+00	1.05E-02
				Cs-134	<1.62E-02	0.00E+00	1.62E-02
				Cs-137	<1.29E-02	0.00E+00	1.29E-02
				Be-7	<1.09E-01	0.00E+00	1.09E-01
				K-40	2.26E-01	7.16E-02	6.12E-02
Sample ID:	268227	Sample Dates:	8/20/2013 - 8/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.17E-02	0.00E+00	2.17E-02
				Cs-134	<2.14E-02	0.00E+00	2.14E-02
				Cs-137	<2.07E-02	0.00E+00	2.07E-02
				Be-7	<1.46E-01	0.00E+00	1.46E-01
				K-40	6.41E-01	1.69E-01	2.25E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 1 [CONTROL - ESE @ 24.4 miles]

Sample ID:	269698	Sample Dates:	8/26/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.32E-02	0.00E+00	3.32E-02
				Cs-134	<1.78E-02	0.00E+00	1.78E-02
				Cs-137	<2.32E-02	0.00E+00	2.32E-02
				Be-7	<1.53E-01	0.00E+00	1.53E-01
				K-40	4.47E-01	1.05E-01	2.23E-01
Sample ID:	270606	Sample Dates:	9/3/2013 - 9/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.70E-02	0.00E+00	3.70E-02
				Cs-134	<2.00E-02	0.00E+00	2.00E-02
				Cs-137	<2.99E-02	0.00E+00	2.99E-02
				Be-7	<1.88E-01	0.00E+00	1.88E-01
				K-40	<6.18E-01	0.00E+00	6.18E-01
Sample ID:	271327	Sample Dates:	9/9/2013 - 9/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.18E-02	0.00E+00	2.18E-02
				Cs-134	<1.68E-02	0.00E+00	1.68E-02
				Cs-137	<2.01E-02	0.00E+00	2.01E-02
				Be-7	<1.27E-01	0.00E+00	1.27E-01
				K-40	5.45E-01	1.19E-01	2.38E-01
Sample ID:	271712	Sample Dates:	9/16/2013 - 9/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.91E-02	0.00E+00	1.91E-02
				Cs-134	<1.52E-02	0.00E+00	1.52E-02
				Cs-137	<1.60E-02	0.00E+00	1.60E-02
				Be-7	<1.23E-01	0.00E+00	1.23E-01
				K-40	<5.09E-01	0.00E+00	5.09E-01
Sample ID:	272351	Sample Dates:	9/23/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.66E-02	0.00E+00	2.66E-02
				Cs-134	<1.52E-02	0.00E+00	1.52E-02
				Cs-137	<1.88E-02	0.00E+00	1.88E-02
				Be-7	<1.04E-01	0.00E+00	1.04E-01
				K-40	<4.34E-01	0.00E+00	4.34E-01
Sample ID:	272769	Sample Dates:	9/30/2013 - 10/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.26E-02	0.00E+00	3.26E-02
				Cs-134	<1.90E-02	0.00E+00	1.90E-02
				Cs-137	<1.92E-02	0.00E+00	1.92E-02
				Be-7	<8.85E-02	0.00E+00	8.85E-02
				K-40	2.17E-01	1.07E-01	2.02E-01
Sample ID:	273995	Sample Dates:	10/7/2013 - 10/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.99E-02	0.00E+00	3.99E-02
				Cs-134	<1.71E-02	0.00E+00	1.71E-02
				Cs-137	<2.16E-02	0.00E+00	2.16E-02
				Be-7	<1.57E-01	0.00E+00	1.57E-01
				K-40	5.86E-01	1.25E-01	2.44E-01
Sample ID:	274241	Sample Dates:	10/14/2013 - 10/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.72E-02	0.00E+00	2.72E-02
				Cs-134	<1.94E-02	0.00E+00	1.94E-02
				Cs-137	<1.84E-02	0.00E+00	1.84E-02
				Be-7	<9.18E-02	0.00E+00	9.18E-02
				K-40	4.26E-01	1.06E-01	1.91E-01
Sample ID:	274613	Sample Dates:	10/21/2013 - 10/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.19E-02	0.00E+00	1.19E-02
				Cs-134	<6.26E-03	0.00E+00	6.26E-03
				Cs-137	<8.55E-03	0.00E+00	8.55E-03
				Be-7	<5.19E-02	0.00E+00	5.19E-02
				K-40	3.47E-01	7.97E-02	1.34E-01
Sample ID:	275201	Sample Dates:	10/28/2013 - 11/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.08E-02	0.00E+00	2.08E-02
				Cs-134	<1.95E-02	0.00E+00	1.95E-02
				Cs-137	<2.23E-02	0.00E+00	2.23E-02
				Be-7	<1.48E-01	0.00E+00	1.48E-01
				K-40	4.55E-01	1.10E-01	2.30E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error, results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 1 [CONTROL - ESE @ 24.4 miles]

Sample ID:	277035	Sample Dates:	11/4/2013 - 11/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.02E-02	0.00E+00	2.02E-02
				Cs-134	<1.38E-02	0.00E+00	1.38E-02
				Cs-137	<2.08E-02	0.00E+00	2.08E-02
				Be-7	<1.48E-01	0.00E+00	1.48E-01
				K-40	4.26E-01	1.06E-01	2.54E-01
Sample ID:	277055	Sample Dates:	11/18/2013 - 11/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.66E-02	0.00E+00	1.66E-02
				Cs-134	<9.41E-03	0.00E+00	9.41E-03
				Cs-137	<7.38E-03	0.00E+00	7.38E-03
				Be-7	<6.77E-02	0.00E+00	6.77E-02
				K-40	5.27E-01	8.78E-02	1.02E-01
Sample ID:	277065	Sample Dates:	11/11/2013 - 11/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.11E-02	0.00E+00	2.11E-02
				Cs-134	<1.19E-02	0.00E+00	1.19E-02
				Cs-137	<1.65E-02	0.00E+00	1.65E-02
				Be-7	<1.51E-01	0.00E+00	1.51E-01
				K-40	3.99E-01	1.40E-01	3.74E-01
Sample ID:	278777	Sample Dates:	11/25/2013 - 12/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.99E-02	0.00E+00	2.99E-02
				Cs-134	<1.69E-02	0.00E+00	1.69E-02
				Cs-137	<1.13E-02	0.00E+00	1.13E-02
				Be-7	<1.11E-01	0.00E+00	1.11E-01
				K-40	<5.43E-01	0.00E+00	5.43E-01
Sample ID:	278848	Sample Dates:	12/2/2013 - 12/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.36E-02	0.00E+00	1.36E-02
				Cs-134	<1.03E-02	0.00E+00	1.03E-02
				Cs-137	<9.24E-03	0.00E+00	9.24E-03
				Be-7	<5.32E-02	0.00E+00	5.32E-02
				K-40	6.36E-01	9.12E-02	7.99E-02
Sample ID:	279088	Sample Dates:	12/9/2013 - 12/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.06E-02	0.00E+00	2.06E-02
				Cs-134	<1.63E-02	0.00E+00	1.63E-02
				Cs-137	<1.37E-02	0.00E+00	1.37E-02
				Be-7	<1.40E-01	0.00E+00	1.40E-01
				K-40	5.61E-01	1.22E-01	1.92E-01
Sample ID:	279716	Sample Dates:	12/16/2013 - 12/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.44E-02	0.00E+00	3.44E-02
				Cs-134	<1.32E-02	0.00E+00	1.32E-02
				Cs-137	<1.80E-02	0.00E+00	1.80E-02
				Be-7	<1.17E-01	0.00E+00	1.17E-01
				K-40	<5.94E-01	0.00E+00	5.94E-01
Sample ID:	280205	Sample Dates:	12/23/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<4.48E-02	0.00E+00	4.48E-02
				Cs-134	<1.82E-02	0.00E+00	1.82E-02
				Cs-137	<2.21E-02	0.00E+00	2.21E-02
				Be-7	<1.27E-01	0.00E+00	1.27E-01
				K-40	5.51E-01	1.23E-01	2.60E-01

Sample Point 2 [INDICATOR - S @ 0.2 miles]

Sample ID:	177512	Sample Dates:	1/7/2013 - 1/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.95E-02	0.00E+00	1.95E-02
Sample ID:	177575	Sample Dates:	1/14/2013 - 1/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.47E-02	0.00E+00	1.47E-02
Sample ID:	177620	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.08E-02	0.00E+00	3.08E-02
Sample ID:	177654	Sample Dates:	1/28/2013 - 1/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.94E-02	0.00E+00	1.94E-02

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 2 [INDICATOR - S @ 0.2 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
177688	2/4/2013 - 2/4/2013	I-131	<2.14E-02	0.00E+00	2.14E-02
177733	2/11/2013 - 2/11/2013	I-131	<1.50E-02	0.00E+00	1.50E-02
177771	2/18/2013 - 2/18/2013	I-131	<2.40E-02	0.00E+00	2.40E-02
177842	2/25/2013 - 2/25/2013	I-131	<2.19E-02	0.00E+00	2.19E-02
177878	3/4/2013 - 3/4/2013	I-131	<1.90E-02	0.00E+00	1.90E-02
177927	3/11/2013 - 3/11/2013	I-131	<1.69E-02	0.00E+00	1.69E-02
177963	3/18/2013 - 3/18/2013	I-131	<1.16E-02	0.00E+00	1.16E-02
177990	3/24/2013 - 3/24/2013	I-131	<1.89E-02	0.00E+00	1.89E-02
178024	4/1/2013 - 4/1/2013	I-131	<1.74E-02	0.00E+00	1.74E-02
178094	4/8/2013 - 4/8/2013	I-131	<1.80E-02	0.00E+00	1.80E-02
256377	4/8/2013 - 4/15/2013	I-131	<1.49E-02	0.00E+00	1.49E-02
	Cs-134	<9.70E-03	0.00E+00	9.70E-03	
	Cs-137	<1.15E-02	0.00E+00	1.15E-02	
	Be-7	<6.84E-02	0.00E+00	6.84E-02	
	K-40	2.54E-01	6.79E-02	4.90E-02	
256647	4/15/2013 - 4/22/2013	I-131	<2.19E-02	0.00E+00	2.19E-02
	Cs-134	<1.57E-02	0.00E+00	1.57E-02	
	Cs-137	<1.52E-02	0.00E+00	1.52E-02	
	Be-7	<1.03E-01	0.00E+00	1.03E-01	
	K-40	<4.25E-01	0.00E+00	4.25E-01	
257181	4/22/2013 - 4/29/2013	I-131	<1.76E-02	0.00E+00	1.76E-02
	Cs-134	<1.56E-02	0.00E+00	1.56E-02	
	Cs-137	<8.87E-03	0.00E+00	8.87E-03	
	Be-7	<9.94E-02	0.00E+00	9.94E-02	
	K-40	3.79E-01	9.19E-02	6.03E-02	
257326	4/29/2013 - 5/6/2013	I-131	<1.34E-02	0.00E+00	1.34E-02
	Cs-134	<1.35E-02	0.00E+00	1.35E-02	
	Cs-137	<9.81E-03	0.00E+00	9.81E-03	
	Be-7	<1.08E-01	0.00E+00	1.08E-01	
	K-40	<3.86E-01	0.00E+00	3.86E-01	
257771	5/6/2013 - 5/13/2013	I-131	<1.10E-02	0.00E+00	1.10E-02
	Cs-134	<8.95E-03	0.00E+00	8.95E-03	
	Cs-137	<1.15E-02	0.00E+00	1.15E-02	
	Be-7	<5.17E-02	0.00E+00	5.17E-02	
	K-40	4.69E-01	8.98E-02	1.22E-01	
258017	5/13/2013 - 5/20/2013	I-131	<1.44E-02	0.00E+00	1.44E-02
	Cs-134	<8.97E-03	0.00E+00	8.97E-03	
	Cs-137	<7.89E-03	0.00E+00	7.89E-03	
	Be-7	<8.80E-02	0.00E+00	8.80E-02	
	K-40	6.46E-01	9.05E-02	9.09E-02	

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 2 [INDICATOR - S @ 0.2 miles]

Sample ID:	258263	Sample Dates:	5/20/2013 - 5/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.54E-02	0.00E+00	3.54E-02
				Cs-134	<1.57E-02	0.00E+00	1.57E-02
				Cs-137	<1.85E-02	0.00E+00	1.85E-02
				Be-7	<1.56E-01	0.00E+00	1.56E-01
				K-40	3.43E-01	1.03E-01	2.24E-01
Sample ID:	258599	Sample Dates:	5/26/2013 - 6/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.42E-02	0.00E+00	2.42E-02
				Cs-134	<1.39E-02	0.00E+00	1.39E-02
				Cs-137	<1.58E-02	0.00E+00	1.58E-02
				Be-7	<1.56E-01	0.00E+00	1.56E-01
				K-40	2.71E-01	1.04E-01	6.27E-02
Sample ID:	259073	Sample Dates:	6/3/2013 - 6/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.61E-02	0.00E+00	1.61E-02
				Cs-134	<1.05E-02	0.00E+00	1.05E-02
				Cs-137	<8.38E-03	0.00E+00	8.38E-03
				Be-7	<8.26E-02	0.00E+00	8.26E-02
				K-40	4.66E-01	7.36E-02	3.15E-02
Sample ID:	259637	Sample Dates:	6/10/2013 - 6/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.16E-02	0.00E+00	2.16E-02
				Cs-134	<1.71E-02	0.00E+00	1.71E-02
				Cs-137	<1.69E-02	0.00E+00	1.69E-02
				Be-7	<1.17E-01	0.00E+00	1.17E-01
				K-40	<4.86E-01	0.00E+00	4.86E-01
Sample ID:	260269	Sample Dates:	6/18/2013 - 6/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.73E-02	0.00E+00	2.73E-02
				Cs-134	<1.37E-02	0.00E+00	1.37E-02
				Cs-137	<1.86E-02	0.00E+00	1.86E-02
				Be-7	<1.12E-01	0.00E+00	1.12E-01
				K-40	3.53E-01	1.25E-01	1.90E-01
Sample ID:	260741	Sample Dates:	7/1/2013 - 7/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<9.21E-03	0.00E+00	9.21E-03
				Cs-134	<7.46E-03	0.00E+00	7.46E-03
				Cs-137	<5.11E-03	0.00E+00	5.11E-03
				Be-7	<6.48E-02	0.00E+00	6.48E-02
				K-40	2.60E-01	5.82E-02	9.53E-02
Sample ID:	261680	Sample Dates:	7/8/2013 - 7/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<8.88E-03	0.00E+00	8.88E-03
				Cs-134	<6.88E-03	0.00E+00	6.88E-03
				Cs-137	<1.13E-02	0.00E+00	1.13E-02
				Be-7	<6.24E-02	0.00E+00	6.24E-02
				K-40	3.84E-01	8.04E-02	9.25E-02
Sample ID:	261947	Sample Dates:	6/24/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.47E-02	0.00E+00	1.47E-02
				Cs-134	<8.76E-03	0.00E+00	8.76E-03
				Cs-137	<1.15E-02	0.00E+00	1.15E-02
				Be-7	<7.98E-02	0.00E+00	7.98E-02
				K-40	5.27E-01	8.13E-02	8.93E-02
Sample ID:	262190	Sample Dates:	7/15/2013 - 7/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.08E-02	0.00E+00	2.08E-02
				Cs-134	<1.62E-02	0.00E+00	1.62E-02
				Cs-137	<1.80E-02	0.00E+00	1.80E-02
				Be-7	<1.31E-01	0.00E+00	1.31E-01
				K-40	<5.24E-01	0.00E+00	5.24E-01
Sample ID:	263646	Sample Dates:	7/29/2013 - 8/5/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.10E-02	0.00E+00	2.10E-02
				Cs-134	<1.10E-02	0.00E+00	1.10E-02
				Cs-137	<1.82E-02	0.00E+00	1.82E-02
				Be-7	<1.36E-01	0.00E+00	1.36E-01
				K-40	4.96E-01	1.17E-01	2.07E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 2 [INDICATOR - S @ 0.2 miles]

Sample ID:	265036	Sample Dates:	7/22/2013 - 7/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.05E-02	0.00E+00	3.05E-02
				Cs-134	<1.44E-02	0.00E+00	1.44E-02
				Cs-137	<1.34E-02	0.00E+00	1.34E-02
				Be-7	<1.46E-01	0.00E+00	1.46E-01
				K-40	6.30E-01	1.29E-01	2.37E-01
Sample ID:	266653	Sample Dates:	8/5/2013 - 8/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.53E-02	0.00E+00	2.53E-02
				Cs-134	<1.30E-02	0.00E+00	1.30E-02
				Cs-137	<1.78E-02	0.00E+00	1.78E-02
				Be-7	<1.47E-01	0.00E+00	1.47E-01
				K-40	4.35E-01	1.09E-01	7.36E-02
Sample ID:	267533	Sample Dates:	8/12/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.12E-02	0.00E+00	1.12E-02
				Cs-134	<1.15E-02	0.00E+00	1.15E-02
				Cs-137	<1.36E-02	0.00E+00	1.36E-02
				Be-7	<7.58E-02	0.00E+00	7.58E-02
				K-40	<3.51E-01	0.00E+00	3.51E-01
Sample ID:	268228	Sample Dates:	8/20/2013 - 8/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.54E-02	0.00E+00	1.54E-02
				Cs-134	<1.52E-02	0.00E+00	1.52E-02
				Cs-137	<2.06E-02	0.00E+00	2.06E-02
				Be-7	<1.76E-01	0.00E+00	1.76E-01
				K-40	4.71E-01	1.22E-01	2.26E-01
Sample ID:	269699	Sample Dates:	8/26/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.52E-02	0.00E+00	1.52E-02
				Cs-134	<9.52E-03	0.00E+00	9.52E-03
				Cs-137	<1.31E-02	0.00E+00	1.31E-02
				Be-7	<8.17E-02	0.00E+00	8.17E-02
				K-40	<2.68E-01	0.00E+00	2.68E-01
Sample ID:	270607	Sample Dates:	9/3/2013 - 9/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.56E-02	0.00E+00	2.56E-02
				Cs-134	<1.92E-02	0.00E+00	1.92E-02
				Cs-137	<2.20E-02	0.00E+00	2.20E-02
				Be-7	<1.47E-01	0.00E+00	1.47E-01
				K-40	4.02E-01	1.52E-01	3.63E-01
Sample ID:	271328	Sample Dates:	9/9/2013 - 9/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.52E-02	0.00E+00	2.52E-02
				Cs-134	<1.71E-02	0.00E+00	1.71E-02
				Cs-137	<1.35E-02	0.00E+00	1.35E-02
				Be-7	<1.05E-01	0.00E+00	1.05E-01
				K-40	<4.78E-01	0.00E+00	4.78E-01
Sample ID:	271713	Sample Dates:	9/16/2013 - 9/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.37E-02	0.00E+00	2.37E-02
				Cs-134	<1.11E-02	0.00E+00	1.11E-02
				Cs-137	<2.11E-02	0.00E+00	2.11E-02
				Be-7	<1.64E-01	0.00E+00	1.64E-01
				K-40	4.69E-01	1.14E-01	7.46E-02
Sample ID:	272352	Sample Dates:	9/23/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.29E-02	0.00E+00	2.29E-02
				Cs-134	<1.49E-02	0.00E+00	1.49E-02
				Cs-137	<2.13E-02	0.00E+00	2.13E-02
				Be-7	<1.50E-01	0.00E+00	1.50E-01
				K-40	2.17E-01	1.34E-01	3.30E-01
Sample ID:	272770	Sample Dates:	9/30/2013 - 10/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.24E-02	0.00E+00	1.24E-02
				Cs-134	<1.80E-02	0.00E+00	1.80E-02
				Cs-137	<1.60E-02	0.00E+00	1.60E-02
				Be-7	<1.60E-01	0.00E+00	1.60E-01
				K-40	<6.56E-01	0.00E+00	6.56E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 2 [INDICATOR - S @ 0.2 miles]

Sample ID:	273996	Sample Dates:	10/7/2013 - 10/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.71E-02	0.00E+00	3.71E-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	<1.52E-01	0.00E+00	1.52E-01
				K-40	4.02E-01	1.08E-01	2.64E-01
Sample ID:	274242	Sample Dates:	10/14/2013 - 10/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.09E-02	0.00E+00	2.09E-02
				Cs-134	<1.87E-02	0.00E+00	1.87E-02
				Cs-137	<1.85E-02	0.00E+00	1.85E-02
				Be-7	<1.09E-01	0.00E+00	1.09E-01
				K-40	6.15E-01	1.26E-01	2.19E-01
Sample ID:	274614	Sample Dates:	10/21/2013 - 10/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.32E-02	0.00E+00	1.32E-02
				Cs-134	<1.19E-02	0.00E+00	1.19E-02
				Cs-137	<1.24E-02	0.00E+00	1.24E-02
				Be-7	<9.14E-02	0.00E+00	9.14E-02
				K-40	4.78E-01	1.02E-01	1.81E-01
Sample ID:	275202	Sample Dates:	10/28/2013 - 11/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.55E-02	0.00E+00	2.55E-02
				Cs-134	<2.09E-02	0.00E+00	2.09E-02
				Cs-137	<1.81E-02	0.00E+00	1.81E-02
				Be-7	<9.21E-02	0.00E+00	9.21E-02
				K-40	5.65E-01	1.23E-01	2.44E-01
Sample ID:	277036	Sample Dates:	11/4/2013 - 11/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.71E-02	0.00E+00	2.71E-02
				Cs-134	<1.32E-02	0.00E+00	1.32E-02
				Cs-137	<2.33E-02	0.00E+00	2.33E-02
				Be-7	<7.23E-02	0.00E+00	7.23E-02
				K-40	4.21E-01	1.05E-01	2.92E-01
Sample ID:	277046	Sample Dates:	11/18/2013 - 11/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.33E-02	0.00E+00	2.33E-02
				Cs-134	<9.84E-03	0.00E+00	9.84E-03
				Cs-137	<1.05E-02	0.00E+00	1.05E-02
				Be-7	<6.18E-02	0.00E+00	6.18E-02
				K-40	<3.67E-01	0.00E+00	3.67E-01
Sample ID:	277056	Sample Dates:	11/11/2013 - 11/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.90E-02	0.00E+00	1.90E-02
				Cs-134	<1.62E-02	0.00E+00	1.62E-02
				Cs-137	<8.91E-03	0.00E+00	8.91E-03
				Be-7	7.81E-02	3.98E-02	1.09E-01
				K-40	3.44E-01	1.13E-01	2.02E-01
Sample ID:	278778	Sample Dates:	11/25/2013 - 12/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.03E-02	0.00E+00	2.03E-02
				Cs-134	<2.29E-02	0.00E+00	2.29E-02
				Cs-137	<2.09E-02	0.00E+00	2.09E-02
				Be-7	<1.26E-01	0.00E+00	1.26E-01
				K-40	1.95E-01	9.37E-02	2.71E-01
Sample ID:	278849	Sample Dates:	12/2/2013 - 12/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.62E-02	0.00E+00	2.62E-02
				Cs-134	<1.16E-02	0.00E+00	1.16E-02
				Cs-137	<1.80E-02	0.00E+00	1.80E-02
				Be-7	<1.30E-01	0.00E+00	1.30E-01
				K-40	<4.82E-01	0.00E+00	4.82E-01
Sample ID:	279089	Sample Dates:	12/9/2013 - 12/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.45E-02	0.00E+00	2.45E-02
				Cs-134	<1.66E-02	0.00E+00	1.66E-02
				Cs-137	<1.07E-02	0.00E+00	1.07E-02
				Be-7	<1.19E-01	0.00E+00	1.19E-01
				K-40	<6.15E-01	0.00E+00	6.15E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error, results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 2 [INDICATOR - S @ 0.2 miles]

Sample ID:	279717	Sample Dates:	12/16/2013 - 12/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.66E-02	0.00E+00	2.66E-02
				Cs-134	<1.31E-02	0.00E+00	1.31E-02
				Cs-137	<1.05E-02	0.00E+00	1.05E-02
				Be-7	<9.57E-02	0.00E+00	9.57E-02
				K-40	2.47E-01	9.84E-02	1.66E-01

Sample ID:	280206	Sample Dates:	12/23/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<4.41E-02	0.00E+00	4.41E-02
				Cs-134	<1.66E-02	0.00E+00	1.66E-02
				Cs-137	<1.59E-02	0.00E+00	1.59E-02
				Be-7	<1.43E-01	0.00E+00	1.43E-01
				K-40	6.31E-01	1.32E-01	2.60E-01

Sample Point 3 [INDICATOR - N @ 0.5 miles]

Sample ID:	177513	Sample Dates:	1/7/2013 - 1/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.85E-02	0.00E+00	1.85E-02
Sample ID:	177576	Sample Dates:	1/14/2013 - 1/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.34E-02	0.00E+00	1.34E-02
Sample ID:	177621	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.85E-02	0.00E+00	1.85E-02
Sample ID:	177655	Sample Dates:	1/28/2013 - 1/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.78E-02	0.00E+00	1.78E-02
Sample ID:	177689	Sample Dates:	2/4/2013 - 2/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.94E-02	0.00E+00	1.94E-02
Sample ID:	177734	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.41E-02	0.00E+00	1.41E-02
Sample ID:	177772	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.20E-02	0.00E+00	2.20E-02
Sample ID:	177843	Sample Dates:	2/25/2013 - 2/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.42E-02	0.00E+00	1.42E-02
Sample ID:	177879	Sample Dates:	3/4/2013 - 3/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.03E-02	0.00E+00	2.03E-02
Sample ID:	177928	Sample Dates:	3/11/2013 - 3/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.28E-02	0.00E+00	1.28E-02
Sample ID:	177964	Sample Dates:	3/18/2013 - 3/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.45E-02	0.00E+00	1.45E-02
Sample ID:	177991	Sample Dates:	3/24/2013 - 3/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.04E-02	0.00E+00	2.04E-02
Sample ID:	178025	Sample Dates:	4/1/2013 - 4/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.40E-02	0.00E+00	1.40E-02
Sample ID:	178095	Sample Dates:	4/8/2013 - 4/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.90E-02	0.00E+00	1.90E-02
Sample ID:	256290	Sample Dates:	4/8/2013 - 4/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.42E-02	0.00E+00	1.42E-02
				Cs-134	<1.14E-02	0.00E+00	1.14E-02
				Cs-137	<1.13E-02	0.00E+00	1.13E-02
				Be-7	<1.16E-01	0.00E+00	1.16E-01
				K-40	2.32E-01	1.13E-01	2.34E-01
Sample ID:	256648	Sample Dates:	4/15/2013 - 4/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.53E-02	0.00E+00	2.53E-02
				Cs-134	<1.56E-02	0.00E+00	1.56E-02
				Cs-137	<1.76E-02	0.00E+00	1.76E-02
				Be-7	<1.19E-01	0.00E+00	1.19E-01
				K-40	<4.49E-01	0.00E+00	4.49E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 3 [INDICATOR - N @ 0.5 miles]

Sample ID:	257182	Sample Dates:	4/22/2013 - 4/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.53E-02	0.00E+00	1.53E-02
				Cs-134	<1.02E-02	0.00E+00	1.02E-02
				Cs-137	<1.45E-02	0.00E+00	1.45E-02
				Be-7	<4.90E-02	0.00E+00	4.90E-02
				K-40	2.88E-01	7.44E-02	1.43E-01
Sample ID:	257327	Sample Dates:	4/29/2013 - 5/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.43E-02	0.00E+00	1.43E-02
				Cs-134	<8.46E-03	0.00E+00	8.46E-03
				Cs-137	<1.33E-02	0.00E+00	1.33E-02
				Be-7	<7.69E-02	0.00E+00	7.69E-02
				K-40	4.82E-01	8.14E-02	1.02E-01
Sample ID:	257772	Sample Dates:	5/6/2013 - 5/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.50E-02	0.00E+00	1.50E-02
				Cs-134	<1.01E-02	0.00E+00	1.01E-02
				Cs-137	<1.34E-02	0.00E+00	1.34E-02
				Be-7	<5.64E-02	0.00E+00	5.64E-02
				K-40	5.55E-01	1.03E-01	1.42E-01
Sample ID:	258018	Sample Dates:	5/13/2013 - 5/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.14E-02	0.00E+00	1.14E-02
				Cs-134	<6.31E-03	0.00E+00	6.31E-03
				Cs-137	<1.15E-02	0.00E+00	1.15E-02
				Be-7	<7.99E-02	0.00E+00	7.99E-02
				K-40	4.77E-01	7.84E-02	9.28E-02
Sample ID:	258264	Sample Dates:	5/20/2013 - 5/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.20E-02	0.00E+00	3.20E-02
				Cs-134	<1.51E-02	0.00E+00	1.51E-02
				Cs-137	<1.85E-02	0.00E+00	1.85E-02
				Be-7	<1.81E-01	0.00E+00	1.81E-01
				K-40	5.32E-01	1.29E-01	2.69E-01
Sample ID:	258600	Sample Dates:	5/26/2013 - 6/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.32E-02	0.00E+00	2.32E-02
				Cs-134	<1.64E-02	0.00E+00	1.64E-02
				Cs-137	<1.66E-02	0.00E+00	1.66E-02
				Be-7	<9.56E-02	0.00E+00	9.56E-02
				K-40	2.50E-01	7.54E-02	6.14E-02
Sample ID:	259074	Sample Dates:	6/3/2013 - 6/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.64E-02	0.00E+00	1.64E-02
				Cs-134	<6.61E-03	0.00E+00	6.61E-03
				Cs-137	<1.35E-02	0.00E+00	1.35E-02
				Be-7	<9.39E-02	0.00E+00	9.39E-02
				K-40	<4.27E-01	0.00E+00	4.27E-01
Sample ID:	259638	Sample Dates:	6/10/2013 - 6/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	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	<1.80E-02	0.00E+00	1.80E-02
				Be-7	<1.09E-01	0.00E+00	1.09E-01
				K-40	6.35E-01	1.22E-01	2.12E-01
Sample ID:	260270	Sample Dates:	6/18/2013 - 6/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.78E-02	0.00E+00	1.78E-02
				Cs-134	<1.08E-02	0.00E+00	1.08E-02
				Cs-137	<9.62E-03	0.00E+00	9.62E-03
				Be-7	<7.73E-02	0.00E+00	7.73E-02
				K-40	4.25E-01	9.00E-02	1.22E-01
Sample ID:	260742	Sample Dates:	7/1/2013 - 7/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.46E-02	0.00E+00	1.46E-02
				Cs-134	<1.57E-02	0.00E+00	1.57E-02
				Cs-137	<1.31E-02	0.00E+00	1.31E-02
				Be-7	<1.03E-01	0.00E+00	1.03E-01
				K-40	4.26E-01	1.20E-01	1.65E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 3 [INDICATOR - N @ 0.5 miles]

Sample ID:	261681	Sample Dates:	7/8/2013 - 7/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.68E-02	0.00E+00	1.68E-02
				Cs-134	<1.09E-02	0.00E+00	1.09E-02
				Cs-137	<1.18E-02	0.00E+00	1.18E-02
				Be-7	<9.37E-02	0.00E+00	9.37E-02
				K-40	3.84E-01	8.82E-02	5.47E-02
Sample ID:	261948	Sample Dates:	6/24/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.32E-02	0.00E+00	2.32E-02
				Cs-134	<1.70E-02	0.00E+00	1.70E-02
				Cs-137	<1.94E-02	0.00E+00	1.94E-02
				Be-7	<1.10E-01	0.00E+00	1.10E-01
				K-40	4.83E-01	1.14E-01	2.30E-01
Sample ID:	262191	Sample Dates:	7/15/2013 - 7/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.03E-02	0.00E+00	2.03E-02
				Cs-134	<1.38E-02	0.00E+00	1.38E-02
				Cs-137	<2.01E-02	0.00E+00	2.01E-02
				Be-7	<9.75E-02	0.00E+00	9.75E-02
				K-40	6.57E-01	1.32E-01	2.51E-01
Sample ID:	263647	Sample Dates:	7/29/2013 - 8/5/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.14E-02	0.00E+00	2.14E-02
				Cs-134	<1.46E-02	0.00E+00	1.46E-02
				Cs-137	<9.40E-03	0.00E+00	9.40E-03
				Be-7	<1.59E-01	0.00E+00	1.59E-01
				K-40	3.74E-01	1.25E-01	2.59E-01
Sample ID:	265037	Sample Dates:	7/22/2013 - 7/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.90E-02	0.00E+00	3.90E-02
				Cs-134	<2.22E-02	0.00E+00	2.22E-02
				Cs-137	<1.74E-02	0.00E+00	1.74E-02
				Be-7	<1.52E-01	0.00E+00	1.52E-01
				K-40	<4.93E-01	0.00E+00	4.93E-01
Sample ID:	266654	Sample Dates:	8/5/2013 - 8/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.78E-02	0.00E+00	1.78E-02
				Cs-134	<1.78E-02	0.00E+00	1.78E-02
				Cs-137	<1.74E-02	0.00E+00	1.74E-02
				Be-7	<1.68E-01	0.00E+00	1.68E-01
				K-40	<4.62E-01	0.00E+00	4.62E-01
Sample ID:	267534	Sample Dates:	8/12/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.61E-02	0.00E+00	2.61E-02
				Cs-134	<1.41E-02	0.00E+00	1.41E-02
				Cs-137	<1.62E-02	0.00E+00	1.62E-02
				Be-7	<1.20E-01	0.00E+00	1.20E-01
				K-40	2.50E-01	1.01E-01	2.15E-01
Sample ID:	268229	Sample Dates:	8/20/2013 - 8/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.59E-02	0.00E+00	2.59E-02
				Cs-134	<1.50E-02	0.00E+00	1.50E-02
				Cs-137	<1.49E-02	0.00E+00	1.49E-02
				Be-7	<1.48E-01	0.00E+00	1.48E-01
				K-40	4.88E-01	1.52E-01	2.80E-01
Sample ID:	269700	Sample Dates:	8/26/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.24E-02	0.00E+00	2.24E-02
				Cs-134	<1.45E-02	0.00E+00	1.45E-02
				Cs-137	<1.21E-02	0.00E+00	1.21E-02
				Be-7	<1.29E-01	0.00E+00	1.29E-01
				K-40	3.37E-01	1.17E-01	2.75E-01
Sample ID:	270608	Sample Dates:	9/3/2013 - 9/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.84E-02	0.00E+00	1.84E-02
				Cs-134	<1.99E-02	0.00E+00	1.99E-02
				Cs-137	<1.76E-02	0.00E+00	1.76E-02
				Be-7	<1.32E-01	0.00E+00	1.32E-01
				K-40	<5.39E-01	0.00E+00	5.39E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 3 [INDICATOR - N @ 0.5 miles]

Sample ID:	271329	Sample Dates:	9/9/2013 - 9/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.79E-02	0.00E+00	1.79E-02
				Cs-134	<1.90E-02	0.00E+00	1.90E-02
				Cs-137	<1.91E-02	0.00E+00	1.91E-02
				Be-7	<1.62E-01	0.00E+00	1.62E-01
				K-40	3.22E-01	9.30E-02	2.46E-01
Sample ID:	271714	Sample Dates:	9/16/2013 - 9/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.48E-02	0.00E+00	2.48E-02
				Cs-134	<1.46E-02	0.00E+00	1.46E-02
				Cs-137	<1.39E-02	0.00E+00	1.39E-02
				Be-7	<1.19E-01	0.00E+00	1.19E-01
				K-40	<5.19E-01	0.00E+00	5.19E-01
Sample ID:	272353	Sample Dates:	9/23/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.33E-02	0.00E+00	2.33E-02
				Cs-134	<1.29E-02	0.00E+00	1.29E-02
				Cs-137	<1.99E-02	0.00E+00	1.99E-02
				Be-7	<1.66E-01	0.00E+00	1.66E-01
				K-40	5.89E-01	1.52E-01	2.65E-01
Sample ID:	272771	Sample Dates:	9/30/2013 - 10/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.67E-02	0.00E+00	3.67E-02
				Cs-134	<1.78E-02	0.00E+00	1.78E-02
				Cs-137	<2.33E-02	0.00E+00	2.33E-02
				Be-7	<1.62E-01	0.00E+00	1.62E-01
				K-40	<5.57E-01	0.00E+00	5.57E-01
Sample ID:	273997	Sample Dates:	10/7/2013 - 10/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.33E-02	0.00E+00	2.33E-02
				Cs-134	<1.40E-02	0.00E+00	1.40E-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	4.84E-01	1.03E-01	5.95E-02
Sample ID:	274243	Sample Dates:	10/14/2013 - 10/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.38E-02	0.00E+00	1.38E-02
				Cs-134	<7.57E-03	0.00E+00	7.57E-03
				Cs-137	<8.10E-03	0.00E+00	8.10E-03
				Be-7	<6.85E-02	0.00E+00	6.85E-02
				K-40	2.07E-01	9.56E-02	1.93E-01
Sample ID:	274615	Sample Dates:	10/21/2013 - 10/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.96E-02	0.00E+00	2.96E-02
				Cs-134	<1.51E-02	0.00E+00	1.51E-02
				Cs-137	<2.18E-02	0.00E+00	2.18E-02
				Be-7	<1.08E-01	0.00E+00	1.08E-01
				K-40	3.78E-01	1.01E-01	2.04E-01
Sample ID:	275203	Sample Dates:	10/28/2013 - 11/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.57E-02	0.00E+00	2.57E-02
				Cs-134	<1.88E-02	0.00E+00	1.88E-02
				Cs-137	<1.60E-02	0.00E+00	1.60E-02
				Be-7	<1.51E-01	0.00E+00	1.51E-01
				K-40	<5.28E-01	0.00E+00	5.28E-01
Sample ID:	277037	Sample Dates:	11/4/2013 - 11/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.44E-02	0.00E+00	2.44E-02
				Cs-134	<1.32E-02	0.00E+00	1.32E-02
				Cs-137	<2.23E-02	0.00E+00	2.23E-02
				Be-7	<1.12E-01	0.00E+00	1.12E-01
				K-40	2.91E-01	1.27E-01	7.14E-02
Sample ID:	277047	Sample Dates:	11/18/2013 - 11/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.44E-02	0.00E+00	2.44E-02
				Cs-134	<9.06E-03	0.00E+00	9.06E-03
				Cs-137	<1.07E-02	0.00E+00	1.07E-02
				Be-7	<1.08E-01	0.00E+00	1.08E-01
				K-40	2.98E-01	1.05E-01	2.71E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 3 [INDICATOR - N @ 0.5 miles]

Sample ID:	277057	Sample Dates:	11/11/2013 - 11/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.16E-02	0.00E+00	1.16E-02
				Cs-134	<1.07E-02	0.00E+00	1.07E-02
				Cs-137	<7.21E-03	0.00E+00	7.21E-03
				Be-7	<7.47E-02	0.00E+00	7.47E-02
				K-40	4.85E-01	9.53E-02	1.39E-01
Sample ID:	278779	Sample Dates:	11/25/2013 - 12/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.88E-02	0.00E+00	1.88E-02
				Cs-134	<1.69E-02	0.00E+00	1.69E-02
				Cs-137	<2.40E-02	0.00E+00	2.40E-02
				Be-7	<1.69E-01	0.00E+00	1.69E-01
				K-40	2.94E-01	8.86E-02	2.79E-01
Sample ID:	278850	Sample Dates:	12/2/2013 - 12/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.14E-02	0.00E+00	1.14E-02
				Cs-134	<8.51E-03	0.00E+00	8.51E-03
				Cs-137	<6.92E-03	0.00E+00	6.92E-03
				Be-7	3.14E-02	1.97E-02	7.83E-02
				K-40	4.62E-01	7.98E-02	1.19E-01
Sample ID:	279090	Sample Dates:	12/9/2013 - 12/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.26E-02	0.00E+00	2.26E-02
				Cs-134	<1.22E-02	0.00E+00	1.22E-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	3.11E-01	1.17E-01	1.93E-01
Sample ID:	279718	Sample Dates:	12/16/2013 - 12/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.09E-02	0.00E+00	2.09E-02
				Cs-134	<6.92E-03	0.00E+00	6.92E-03
				Cs-137	<8.37E-03	0.00E+00	8.37E-03
				Be-7	<7.37E-02	0.00E+00	7.37E-02
				K-40	5.37E-01	9.17E-02	1.51E-01
Sample ID:	280207	Sample Dates:	12/23/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.96E-02	0.00E+00	1.96E-02
				Cs-134	<6.20E-03	0.00E+00	6.20E-03
				Cs-137	<9.73E-03	0.00E+00	9.73E-03
				Be-7	<6.54E-02	0.00E+00	6.54E-02
				K-40	6.61E-01	9.28E-02	1.00E-01

Sample Point 4 [INDICATOR - ESE @ 0.4 miles]

Sample ID:	177514	Sample Dates:	1/7/2013 - 1/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.59E-02	0.00E+00	1.59E-02
Sample ID:	177577	Sample Dates:	1/14/2013 - 1/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.37E-02	0.00E+00	1.37E-02
Sample ID:	177622	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.65E-02	0.00E+00	1.65E-02
Sample ID:	177656	Sample Dates:	1/28/2013 - 1/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.51E-02	0.00E+00	2.51E-02
Sample ID:	177690	Sample Dates:	2/4/2013 - 2/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.53E-02	0.00E+00	1.53E-02
Sample ID:	177735	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.37E-02	0.00E+00	1.37E-02
Sample ID:	177773	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.61E-02	0.00E+00	1.61E-02
Sample ID:	177844	Sample Dates:	2/25/2013 - 2/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.59E-02	0.00E+00	1.59E-02
Sample ID:	177880	Sample Dates:	3/4/2013 - 3/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.59E-02	0.00E+00	1.59E-02

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 4 [INDICATOR - ESE @ 0.4 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
177929	3/11/2013 - 3/11/2013	I-131	<1.86E-02	0.00E+00	1.86E-02
177965	3/18/2013 - 3/18/2013	I-131	<1.73E-02	0.00E+00	1.73E-02
177992	3/24/2013 - 3/24/2013	I-131	<1.53E-02	0.00E+00	1.53E-02
178026	4/1/2013 - 4/1/2013	I-131	<1.86E-02	0.00E+00	1.86E-02
178096	4/8/2013 - 4/8/2013	I-131	<1.72E-02	0.00E+00	1.72E-02
256291	4/8/2013 - 4/15/2013	I-131	<7.82E-03	0.00E+00	7.82E-03
		Cs-134	<9.74E-03	0.00E+00	9.74E-03
		Cs-137	<1.32E-02	0.00E+00	1.32E-02
		Be-7	<6.52E-02	0.00E+00	6.52E-02
		K-40	3.17E-01	6.35E-02	1.66E-01
256649	4/15/2013 - 4/22/2013	I-131	<2.08E-02	0.00E+00	2.08E-02
		Cs-134	<1.12E-02	0.00E+00	1.12E-02
		Cs-137	<1.19E-02	0.00E+00	1.19E-02
		Be-7	<1.05E-01	0.00E+00	1.05E-01
		K-40	4.07E-01	9.09E-02	1.48E-01
257183	4/22/2013 - 4/29/2013	I-131	<1.14E-02	0.00E+00	1.14E-02
		Cs-134	<9.07E-03	0.00E+00	9.07E-03
		Cs-137	<1.43E-02	0.00E+00	1.43E-02
		Be-7	<8.04E-02	0.00E+00	8.04E-02
		K-40	4.05E-01	9.08E-02	1.49E-01
257328	4/29/2013 - 5/6/2013	I-131	<1.54E-02	0.00E+00	1.54E-02
		Cs-134	<1.23E-02	0.00E+00	1.23E-02
		Cs-137	<1.24E-02	0.00E+00	1.24E-02
		Be-7	<7.77E-02	0.00E+00	7.77E-02
		K-40	2.03E-01	7.23E-02	3.62E-02
257773	5/6/2013 - 5/13/2013	I-131	<7.13E-03	0.00E+00	7.13E-03
		Cs-134	<4.85E-03	0.00E+00	4.85E-03
		Cs-137	<5.62E-03	0.00E+00	5.62E-03
		Be-7	<4.03E-02	0.00E+00	4.03E-02
		K-40	5.12E-01	4.55E-02	6.64E-02
258019	5/13/2013 - 5/20/2013	I-131	<1.50E-02	0.00E+00	1.50E-02
		Cs-134	<2.37E-03	0.00E+00	2.37E-03
		Cs-137	<1.14E-02	0.00E+00	1.14E-02
		Be-7	<7.18E-02	0.00E+00	7.18E-02
		K-40	2.06E-01	6.22E-02	5.07E-02
258265	5/20/2013 - 5/26/2013	I-131	<3.32E-02	0.00E+00	3.32E-02
		Cs-134	<2.15E-02	0.00E+00	2.15E-02
		Cs-137	<1.82E-02	0.00E+00	1.82E-02
		Be-7	<1.33E-01	0.00E+00	1.33E-01
		K-40	6.45E-01	1.41E-01	2.21E-01
258601	5/26/2013 - 6/3/2013	I-131	<2.55E-02	0.00E+00	2.55E-02
		Cs-134	<7.87E-03	0.00E+00	7.87E-03
		Cs-137	<9.01E-03	0.00E+00	9.01E-03
		Be-7	<9.36E-02	0.00E+00	9.36E-02
		K-40	2.68E-01	9.71E-02	1.68E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 4 [INDICATOR - ESE @ 0.4 miles]

Sample ID:	259075	Sample Dates:	6/3/2013 - 6/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.44E-02	0.00E+00	1.44E-02
				Cs-134	<8.37E-03	0.00E+00	8.37E-03
				Cs-137	<1.18E-02	0.00E+00	1.18E-02
				Be-7	<8.16E-02	0.00E+00	8.16E-02
				K-40	4.37E-01	9.97E-02	3.70E-02
Sample ID:	259639	Sample Dates:	6/10/2013 - 6/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.22E-02	0.00E+00	2.22E-02
				Cs-134	<1.47E-02	0.00E+00	1.47E-02
				Cs-137	<1.49E-02	0.00E+00	1.49E-02
				Be-7	<9.29E-02	0.00E+00	9.29E-02
				K-40	3.87E-01	1.13E-01	6.49E-02
Sample ID:	260271	Sample Dates:	6/18/2013 - 6/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.77E-02	0.00E+00	1.77E-02
				Cs-134	<1.61E-02	0.00E+00	1.61E-02
				Cs-137	<9.51E-03	0.00E+00	9.51E-03
				Be-7	<1.14E-01	0.00E+00	1.14E-01
				K-40	2.77E-01	7.99E-02	2.14E-01
Sample ID:	260743	Sample Dates:	7/1/2013 - 7/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.45E-02	0.00E+00	1.45E-02
				Cs-134	<7.94E-03	0.00E+00	7.94E-03
				Cs-137	<1.31E-02	0.00E+00	1.31E-02
				Be-7	<4.68E-02	0.00E+00	4.68E-02
				K-40	4.02E-01	8.43E-02	9.69E-02
Sample ID:	261682	Sample Dates:	7/8/2013 - 7/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.32E-02	0.00E+00	1.32E-02
				Cs-134	<8.03E-03	0.00E+00	8.03E-03
				Cs-137	<1.24E-02	0.00E+00	1.24E-02
				Be-7	<9.71E-02	0.00E+00	9.71E-02
				K-40	4.80E-01	7.78E-02	9.16E-02
Sample ID:	261949	Sample Dates:	6/24/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.27E-02	0.00E+00	2.27E-02
				Cs-134	<2.46E-02	0.00E+00	2.46E-02
				Cs-137	<1.99E-02	0.00E+00	1.99E-02
				Be-7	<1.58E-01	0.00E+00	1.58E-01
				K-40	5.15E-01	1.18E-01	7.33E-02
Sample ID:	262192	Sample Dates:	7/15/2013 - 7/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.80E-02	0.00E+00	1.80E-02
				Cs-134	<1.83E-02	0.00E+00	1.83E-02
				Cs-137	<1.99E-02	0.00E+00	1.99E-02
				Be-7	<1.62E-01	0.00E+00	1.62E-01
				K-40	<5.01E-01	0.00E+00	5.01E-01
Sample ID:	263648	Sample Dates:	7/29/2013 - 8/5/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.56E-02	0.00E+00	2.56E-02
				Cs-134	<1.57E-02	0.00E+00	1.57E-02
				Cs-137	<2.02E-02	0.00E+00	2.02E-02
				Be-7	<1.35E-01	0.00E+00	1.35E-01
				K-40	5.33E-01	1.22E-01	3.78E-01
Sample ID:	265038	Sample Dates:	7/22/2013 - 7/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.58E-02	0.00E+00	3.58E-02
				Cs-134	<1.96E-02	0.00E+00	1.96E-02
				Cs-137	<1.08E-02	0.00E+00	1.08E-02
				Be-7	<1.46E-01	0.00E+00	1.46E-01
				K-40	3.75E-01	1.00E-01	1.92E-01
Sample ID:	266655	Sample Dates:	8/5/2013 - 8/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.84E-02	0.00E+00	1.84E-02
				Cs-134	<1.69E-02	0.00E+00	1.69E-02
				Cs-137	<1.41E-02	0.00E+00	1.41E-02
				Be-7	<1.46E-01	0.00E+00	1.46E-01
				K-40	5.26E-01	1.21E-01	3.23E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 4 [INDICATOR - ESE @ 0.4 miles]

Sample ID:	267535	Sample Dates:	8/12/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.22E-02	0.00E+00	2.22E-02
				Cs-134	<1.04E-02	0.00E+00	1.04E-02
				Cs-137	<1.55E-02	0.00E+00	1.55E-02
				Be-7	<1.01E-01	0.00E+00	1.01E-01
				K-40	4.33E-01	1.02E-01	2.80E-01
Sample ID:	268230	Sample Dates:	8/20/2013 - 8/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.50E-02	0.00E+00	2.50E-02
				Cs-134	<1.95E-02	0.00E+00	1.95E-02
				Cs-137	<1.63E-02	0.00E+00	1.63E-02
				Be-7	<1.45E-01	0.00E+00	1.45E-01
				K-40	6.71E-01	1.46E-01	2.30E-01
Sample ID:	269701	Sample Dates:	8/26/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.31E-02	0.00E+00	1.31E-02
				Cs-134	<7.29E-03	0.00E+00	7.29E-03
				Cs-137	<1.29E-02	0.00E+00	1.29E-02
				Be-7	<9.13E-02	0.00E+00	9.13E-02
				K-40	<3.52E-01	0.00E+00	3.52E-01
Sample ID:	270609	Sample Dates:	9/3/2013 - 9/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.72E-02	0.00E+00	2.72E-02
				Cs-134	<2.46E-02	0.00E+00	2.46E-02
				Cs-137	<2.42E-02	0.00E+00	2.42E-02
				Be-7	<1.26E-01	0.00E+00	1.26E-01
				K-40	3.67E-01	1.63E-01	3.55E-01
Sample ID:	271330	Sample Dates:	9/9/2013 - 9/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.92E-02	0.00E+00	2.92E-02
				Cs-134	<2.01E-02	0.00E+00	2.01E-02
				Cs-137	<1.92E-02	0.00E+00	1.92E-02
				Be-7	<1.27E-01	0.00E+00	1.27E-01
				K-40	5.13E-01	1.18E-01	2.34E-01
Sample ID:	271715	Sample Dates:	9/16/2013 - 9/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.63E-02	0.00E+00	2.63E-02
				Cs-134	<1.76E-02	0.00E+00	1.76E-02
				Cs-137	<2.00E-02	0.00E+00	2.00E-02
				Be-7	<1.46E-01	0.00E+00	1.46E-01
				K-40	4.24E-01	1.09E-01	2.53E-01
Sample ID:	272354	Sample Dates:	9/23/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.59E-02	0.00E+00	2.59E-02
				Cs-134	<1.76E-02	0.00E+00	1.76E-02
				Cs-137	<1.82E-02	0.00E+00	1.82E-02
				Be-7	<1.70E-01	0.00E+00	1.70E-01
				K-40	<4.37E-01	0.00E+00	4.37E-01
Sample ID:	272772	Sample Dates:	9/30/2013 - 10/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<6.52E-02	0.00E+00	6.52E-02
				Cs-134	<3.07E-02	0.00E+00	3.07E-02
				Cs-137	<3.86E-02	0.00E+00	3.86E-02
				Be-7	<2.60E-01	0.00E+00	2.60E-01
				K-40	1.34E+00	2.11E-01	3.72E-01
Sample ID:	273998	Sample Dates:	10/7/2013 - 10/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<6.88E-02	0.00E+00	6.88E-02
				Cs-134	<3.57E-02	0.00E+00	3.57E-02
				Cs-137	<3.29E-02	0.00E+00	3.29E-02
				Be-7	<4.26E-01	0.00E+00	4.26E-01
				K-40	1.11E+00	2.48E-01	5.07E-01
Sample ID:	274244	Sample Dates:	10/14/2013 - 10/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.89E-02	0.00E+00	2.89E-02
				Cs-134	<1.67E-02	0.00E+00	1.67E-02
				Cs-137	<2.50E-02	0.00E+00	2.50E-02
				Be-7	<1.48E-01	0.00E+00	1.48E-01
				K-40	<5.05E-01	0.00E+00	5.05E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 4 [INDICATOR - ESE @ 0.4 miles]

Sample ID:	274616	Sample Dates:	10/21/2013 - 10/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.19E-02	0.00E+00	1.19E-02
				Cs-134	<1.46E-02	0.00E+00	1.46E-02
				Cs-137	<1.69E-02	0.00E+00	1.69E-02
				Be-7	<9.74E-02	0.00E+00	9.74E-02
				K-40	<4.71E-01	0.00E+00	4.71E-01
Sample ID:	275204	Sample Dates:	10/28/2013 - 11/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.16E-02	0.00E+00	2.16E-02
				Cs-134	<1.88E-02	0.00E+00	1.88E-02
				Cs-137	<1.88E-02	0.00E+00	1.88E-02
				Be-7	<1.58E-01	0.00E+00	1.58E-01
				K-40	3.84E-01	1.02E-01	7.40E-02
Sample ID:	277038	Sample Dates:	11/4/2013 - 11/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.78E-02	0.00E+00	1.78E-02
				Cs-134	<1.54E-02	0.00E+00	1.54E-02
				Cs-137	<1.82E-02	0.00E+00	1.82E-02
				Be-7	<1.40E-01	0.00E+00	1.40E-01
				K-40	<3.77E-01	0.00E+00	3.77E-01
Sample ID:	277048	Sample Dates:	11/18/2013 - 11/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.50E-02	0.00E+00	2.50E-02
				Cs-134	<8.89E-03	0.00E+00	8.89E-03
				Cs-137	<8.51E-03	0.00E+00	8.51E-03
				Be-7	<7.60E-02	0.00E+00	7.60E-02
				K-40	<3.69E-01	0.00E+00	3.69E-01
Sample ID:	277058	Sample Dates:	11/11/2013 - 11/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.20E-02	0.00E+00	1.20E-02
				Cs-134	<6.50E-03	0.00E+00	6.50E-03
				Cs-137	<1.48E-02	0.00E+00	1.48E-02
				Be-7	<1.06E-01	0.00E+00	1.06E-01
				K-40	2.74E-01	7.31E-02	1.67E-01
Sample ID:	278780	Sample Dates:	11/25/2013 - 12/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.38E-02	0.00E+00	2.38E-02
				Cs-134	<1.73E-02	0.00E+00	1.73E-02
				Cs-137	<1.53E-02	0.00E+00	1.53E-02
				Be-7	<1.30E-01	0.00E+00	1.30E-01
				K-40	2.72E-01	1.13E-01	2.99E-01
Sample ID:	278851	Sample Dates:	12/2/2013 - 12/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.03E-02	0.00E+00	1.03E-02
				Cs-134	<1.15E-02	0.00E+00	1.15E-02
				Cs-137	<1.17E-02	0.00E+00	1.17E-02
				Be-7	<8.86E-02	0.00E+00	8.86E-02
				K-40	6.79E-01	9.32E-02	9.77E-02
Sample ID:	279091	Sample Dates:	12/9/2013 - 12/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.62E-02	0.00E+00	2.62E-02
				Cs-134	<2.08E-02	0.00E+00	2.08E-02
				Cs-137	<1.77E-02	0.00E+00	1.77E-02
				Be-7	<1.03E-01	0.00E+00	1.03E-01
				K-40	4.70E-01	1.14E-01	3.23E-01
Sample ID:	279719	Sample Dates:	12/16/2013 - 12/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.38E-02	0.00E+00	2.38E-02
				Cs-134	<1.17E-02	0.00E+00	1.17E-02
				Cs-137	<1.67E-02	0.00E+00	1.67E-02
				Be-7	<1.04E-01	0.00E+00	1.04E-01
				K-40	<3.37E-01	0.00E+00	3.37E-01
Sample ID:	280208	Sample Dates:	12/23/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.21E-02	0.00E+00	1.21E-02
				Cs-134	<6.69E-03	0.00E+00	6.69E-03
				Cs-137	<1.33E-02	0.00E+00	1.33E-02
				Be-7	<9.31E-02	0.00E+00	9.31E-02
				K-40	<4.92E-01	0.00E+00	4.92E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 5 [INDICATOR - ENE @ 0.9 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
177615	1/7/2013 - 1/7/2013	I-131	<1.39E-02	0.00E+00	1.39E-02
177578	1/14/2013 - 1/14/2013	I-131	<1.56E-02	0.00E+00	1.56E-02
177623	1/21/2013 - 1/21/2013	I-131	<1.17E-02	0.00E+00	1.17E-02
177657	1/28/2013 - 1/28/2013	I-131	<1.67E-02	0.00E+00	1.67E-02
177691	2/4/2013 - 2/4/2013	I-131	<2.23E-02	0.00E+00	2.23E-02
177736	2/11/2013 - 2/11/2013	I-131	<1.65E-02	0.00E+00	1.65E-02
177774	2/18/2013 - 2/18/2013	I-131	<1.02E-02	0.00E+00	1.02E-02
177845	2/25/2013 - 2/25/2013	I-131	<2.01E-02	0.00E+00	2.01E-02
177881	3/4/2013 - 3/4/2013	I-131	<1.38E-02	0.00E+00	1.38E-02
177930	3/11/2013 - 3/11/2013	I-131	<1.72E-02	0.00E+00	1.72E-02
177966	3/18/2013 - 3/18/2013	I-131	<2.20E-02	0.00E+00	2.20E-02
177993	3/24/2013 - 3/24/2013	I-131	<2.19E-02	0.00E+00	2.19E-02
178027	4/1/2013 - 4/1/2013	I-131	<1.59E-02	0.00E+00	1.59E-02
178097	4/8/2013 - 4/8/2013	I-131	<1.67E-02	0.00E+00	1.67E-02
256292	4/8/2013 - 4/15/2013	I-131	<1.50E-02	0.00E+00	1.50E-02
		Cs-134	<6.93E-03	0.00E+00	6.93E-03
		Cs-137	<1.07E-02	0.00E+00	1.07E-02
		Be-7	<7.02E-02	0.00E+00	7.02E-02
		K-40	3.18E-01	6.35E-02	9.20E-02
256650	4/15/2013 - 4/22/2013	I-131	<1.95E-02	0.00E+00	1.95E-02
		Cs-134	<1.39E-02	0.00E+00	1.39E-02
		Cs-137	<1.04E-02	0.00E+00	1.04E-02
		Be-7	<1.19E-01	0.00E+00	1.19E-01
		K-40	<3.58E-01	0.00E+00	3.58E-01
257184	4/22/2013 - 4/29/2013	I-131	<1.60E-02	0.00E+00	1.60E-02
		Cs-134	<9.25E-03	0.00E+00	9.25E-03
		Cs-137	<1.35E-02	0.00E+00	1.35E-02
		Be-7	<5.95E-02	0.00E+00	5.95E-02
		K-40	3.77E-01	7.12E-02	3.64E-02
257329	4/29/2013 - 5/6/2013	I-131	<1.48E-02	0.00E+00	1.48E-02
		Cs-134	<8.34E-03	0.00E+00	8.34E-03
		Cs-137	<1.14E-02	0.00E+00	1.14E-02
		Be-7	<8.55E-02	0.00E+00	8.55E-02
		K-40	4.59E-01	9.58E-02	5.40E-02
257774	5/6/2013 - 5/13/2013	I-131	<1.23E-02	0.00E+00	1.23E-02

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 5 [INDICATOR - ENE @ 0.9 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
257774	5/6/2013 - 5/13/2013	Cs-134	<8.66E-03	0.00E+00	8.66E-03
		Cs-137	<1.14E-02	0.00E+00	1.14E-02
		Be-7	<5.32E-02	0.00E+00	5.32E-02
		K-40	4.84E-01	8.08E-02	9.86E-02
258020	5/13/2013 - 5/20/2013	I-131	<1.69E-02	0.00E+00	1.69E-02
		Cs-134	<9.58E-03	0.00E+00	9.58E-03
		Cs-137	<1.12E-02	0.00E+00	1.12E-02
		Be-7	<7.91E-02	0.00E+00	7.91E-02
		K-40	2.43E-01	7.65E-02	3.55E-02
258266	5/20/2013 - 5/26/2013	I-131	<3.49E-02	0.00E+00	3.49E-02
		Cs-134	<1.57E-02	0.00E+00	1.57E-02
		Cs-137	<2.14E-02	0.00E+00	2.14E-02
		Be-7	<1.90E-01	0.00E+00	1.90E-01
		K-40	6.16E-01	1.41E-01	8.76E-02
258602	5/26/2013 - 6/3/2013	I-131	<2.58E-02	0.00E+00	2.58E-02
		Cs-134	<1.79E-02	0.00E+00	1.79E-02
		Cs-137	<1.63E-02	0.00E+00	1.63E-02
		Be-7	<1.51E-01	0.00E+00	1.51E-01
		K-40	<5.15E-01	0.00E+00	5.15E-01
259076	6/3/2013 - 6/10/2013	I-131	<1.56E-02	0.00E+00	1.56E-02
		Cs-134	<7.86E-03	0.00E+00	7.86E-03
		Cs-137	<1.44E-02	0.00E+00	1.44E-02
		Be-7	<8.40E-02	0.00E+00	8.40E-02
		K-40	6.16E-01	9.09E-02	3.62E-02
259640	6/10/2013 - 6/18/2013	I-131	<2.47E-02	0.00E+00	2.47E-02
		Cs-134	<1.61E-02	0.00E+00	1.61E-02
		Cs-137	<1.33E-02	0.00E+00	1.33E-02
		Be-7	<1.55E-01	0.00E+00	1.55E-01
		K-40	<5.11E-01	0.00E+00	5.11E-01
260272	6/18/2013 - 6/24/2013	I-131	<1.18E-02	0.00E+00	1.18E-02
		Cs-134	<6.76E-03	0.00E+00	6.76E-03
		Cs-137	<8.86E-03	0.00E+00	8.86E-03
		Be-7	<6.33E-02	0.00E+00	6.33E-02
		K-40	6.23E-01	7.93E-02	9.46E-02
260744	7/1/2013 - 7/8/2013	I-131	<1.34E-02	0.00E+00	1.34E-02
		Cs-134	<1.15E-02	0.00E+00	1.15E-02
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<8.33E-02	0.00E+00	8.33E-02
		K-40	3.76E-01	9.39E-02	6.34E-02
261683	7/8/2013 - 7/15/2013	I-131	<7.57E-03	0.00E+00	7.57E-03
		Cs-134	<9.46E-03	0.00E+00	9.46E-03
		Cs-137	<8.19E-03	0.00E+00	8.19E-03
		Be-7	<8.31E-02	0.00E+00	8.31E-02
		K-40	<3.83E-01	0.00E+00	3.83E-01
261950	6/24/2013 - 7/1/2013	I-131	<2.41E-02	0.00E+00	2.41E-02
		Cs-134	<1.93E-02	0.00E+00	1.93E-02
		Cs-137	<1.99E-02	0.00E+00	1.99E-02
		Be-7	<1.52E-01	0.00E+00	1.52E-01
		K-40	<5.71E-01	0.00E+00	5.71E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 5 [INDICATOR - ENE @ 0.9 miles]

Sample ID:	262193	Sample Dates:	7/15/2013 - 7/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.58E-02	0.00E+00	2.58E-02
				Cs-134	<1.97E-02	0.00E+00	1.97E-02
				Cs-137	<2.70E-02	0.00E+00	2.70E-02
				Be-7	<1.65E-01	0.00E+00	1.65E-01
				K-40	3.41E-01	1.44E-01	7.61E-02
Sample ID:	263649	Sample Dates:	7/29/2013 - 8/5/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.01E-02	0.00E+00	2.01E-02
				Cs-134	<1.59E-02	0.00E+00	1.59E-02
				Cs-137	<1.76E-02	0.00E+00	1.76E-02
				Be-7	<1.76E-01	0.00E+00	1.76E-01
				K-40	5.00E-01	1.18E-01	2.09E-01
Sample ID:	265039	Sample Dates:	7/22/2013 - 7/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.58E-02	0.00E+00	3.58E-02
				Cs-134	<1.49E-02	0.00E+00	1.49E-02
				Cs-137	<2.40E-02	0.00E+00	2.40E-02
				Be-7	<1.60E-01	0.00E+00	1.60E-01
				K-40	3.94E-01	1.05E-01	7.60E-02
Sample ID:	266656	Sample Dates:	8/5/2013 - 8/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.16E-02	0.00E+00	2.16E-02
				Cs-134	<2.12E-02	0.00E+00	2.12E-02
				Cs-137	<1.44E-02	0.00E+00	1.44E-02
				Be-7	<1.74E-01	0.00E+00	1.74E-01
				K-40	5.26E-01	1.50E-01	3.10E-01
Sample ID:	267536	Sample Dates:	8/12/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.78E-02	0.00E+00	1.78E-02
				Cs-134	<9.48E-03	0.00E+00	9.48E-03
				Cs-137	<8.28E-03	0.00E+00	8.28E-03
				Be-7	<9.41E-02	0.00E+00	9.41E-02
				K-40	2.75E-01	8.52E-02	1.54E-01
Sample ID:	268231	Sample Dates:	8/20/2013 - 8/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.10E-02	0.00E+00	3.10E-02
				Cs-134	<2.07E-02	0.00E+00	2.07E-02
				Cs-137	<2.32E-02	0.00E+00	2.32E-02
				Be-7	<1.59E-01	0.00E+00	1.59E-01
				K-40	5.49E-01	1.33E-01	2.32E-01
Sample ID:	269702	Sample Dates:	8/26/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.33E-02	0.00E+00	2.33E-02
				Cs-134	<1.69E-02	0.00E+00	1.69E-02
				Cs-137	<1.41E-02	0.00E+00	1.41E-02
				Be-7	<8.84E-02	0.00E+00	8.84E-02
				K-40	2.93E-01	8.45E-02	1.75E-01
Sample ID:	270610	Sample Dates:	9/3/2013 - 9/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.04E-02	0.00E+00	2.04E-02
				Cs-134	<2.00E-02	0.00E+00	2.00E-02
				Cs-137	<1.90E-02	0.00E+00	1.90E-02
				Be-7	<1.87E-01	0.00E+00	1.87E-01
				K-40	7.06E-01	1.50E-01	8.67E-02
Sample ID:	271331	Sample Dates:	9/9/2013 - 9/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.14E-02	0.00E+00	2.14E-02
				Cs-134	<1.98E-02	0.00E+00	1.98E-02
				Cs-137	<1.62E-02	0.00E+00	1.62E-02
				Be-7	<1.70E-01	0.00E+00	1.70E-01
				K-40	<5.08E-01	0.00E+00	5.08E-01
Sample ID:	271716	Sample Dates:	9/16/2013 - 9/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.26E-02	0.00E+00	2.26E-02
				Cs-134	<1.82E-02	0.00E+00	1.82E-02
				Cs-137	<1.99E-02	0.00E+00	1.99E-02
				Be-7	<1.25E-01	0.00E+00	1.25E-01
				K-40	4.27E-01	1.10E-01	2.15E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error, results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 5 [INDICATOR - ENE @ 0.9 miles]

Sample ID:	272355	Sample Dates:	9/23/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.78E-02	0.00E+00	2.78E-02
				Cs-134	<2.12E-02	0.00E+00	2.12E-02
				Cs-137	<2.02E-02	0.00E+00	2.02E-02
				Be-7	<1.39E-01	0.00E+00	1.39E-01
				K-40	3.84E-01	1.77E-01	4.17E-01
Sample ID:	272773	Sample Dates:	9/30/2013 - 10/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.46E-02	0.00E+00	2.46E-02
				Cs-134	<1.21E-02	0.00E+00	1.21E-02
				Cs-137	<1.66E-02	0.00E+00	1.66E-02
				Be-7	<1.18E-01	0.00E+00	1.18E-01
				K-40	4.19E-01	1.08E-01	2.12E-01
Sample ID:	273999	Sample Dates:	10/7/2013 - 10/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.87E-02	0.00E+00	1.87E-02
				Cs-134	<7.63E-03	0.00E+00	7.63E-03
				Cs-137	<9.81E-03	0.00E+00	9.81E-03
				Be-7	<4.54E-02	0.00E+00	4.54E-02
				K-40	5.48E-01	7.92E-02	8.28E-02
Sample ID:	274245	Sample Dates:	10/14/2013 - 10/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.49E-02	0.00E+00	1.49E-02
				Cs-134	<1.15E-02	0.00E+00	1.15E-02
				Cs-137	<1.67E-02	0.00E+00	1.67E-02
				Be-7	<5.65E-02	0.00E+00	5.65E-02
				K-40	2.99E-01	1.12E-01	1.57E-01
Sample ID:	274617	Sample Dates:	10/21/2013 - 10/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.45E-02	0.00E+00	1.45E-02
				Cs-134	<9.20E-03	0.00E+00	9.20E-03
				Cs-137	<1.03E-02	0.00E+00	1.03E-02
				Be-7	<6.77E-02	0.00E+00	6.77E-02
				K-40	<2.94E-01	0.00E+00	2.94E-01
Sample ID:	275205	Sample Dates:	10/28/2013 - 11/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.38E-02	0.00E+00	2.38E-02
				Cs-134	<1.69E-02	0.00E+00	1.69E-02
				Cs-137	<2.06E-02	0.00E+00	2.06E-02
				Be-7	<1.24E-01	0.00E+00	1.24E-01
				K-40	3.87E-01	1.04E-01	2.50E-01
Sample ID:	277039	Sample Dates:	11/4/2013 - 11/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.60E-02	0.00E+00	2.60E-02
				Cs-134	<2.10E-02	0.00E+00	2.10E-02
				Cs-137	<1.42E-02	0.00E+00	1.42E-02
				Be-7	<1.33E-01	0.00E+00	1.33E-01
				K-40	<4.71E-01	0.00E+00	4.71E-01
Sample ID:	277049	Sample Dates:	11/18/2013 - 11/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.36E-02	0.00E+00	3.36E-02
				Cs-134	<1.11E-02	0.00E+00	1.11E-02
				Cs-137	<1.17E-02	0.00E+00	1.17E-02
				Be-7	<1.18E-01	0.00E+00	1.18E-01
				K-40	5.90E-01	1.18E-01	6.38E-02
Sample ID:	277059	Sample Dates:	11/11/2013 - 11/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.18E-02	0.00E+00	1.18E-02
				Cs-134	<9.04E-03	0.00E+00	9.04E-03
				Cs-137	<1.39E-02	0.00E+00	1.39E-02
				Be-7	<9.73E-02	0.00E+00	9.73E-02
				K-40	4.50E-01	7.60E-02	9.25E-02
Sample ID:	278781	Sample Dates:	11/25/2013 - 12/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<6.76E-02	0.00E+00	6.76E-02
				Cs-134	<1.88E-02	0.00E+00	1.88E-02
				Cs-137	<1.28E-02	0.00E+00	1.28E-02
				Be-7	<1.39E-01	0.00E+00	1.39E-01
				K-40	3.28E-01	1.56E-01	3.22E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 5 [INDICATOR - ENE @ 0.9 miles]

Sample ID:	278852	Sample Dates:	12/2/2013 - 12/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.12E-02	0.00E+00	2.12E-02
				Cs-134	<2.04E-02	0.00E+00	2.04E-02
				Cs-137	<1.74E-02	0.00E+00	1.74E-02
				Be-7	<1.55E-01	0.00E+00	1.55E-01
				K-40	<5.41E-01	0.00E+00	5.41E-01
Sample ID:	279092	Sample Dates:	12/9/2013 - 12/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	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	<1.63E-02	0.00E+00	1.63E-02
				Be-7	<1.34E-01	0.00E+00	1.34E-01
				K-40	<5.52E-01	0.00E+00	5.52E-01
Sample ID:	279720	Sample Dates:	12/16/2013 - 12/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.89E-02	0.00E+00	2.89E-02
				Cs-134	<8.06E-03	0.00E+00	8.06E-03
				Cs-137	<1.39E-02	0.00E+00	1.39E-02
				Be-7	<1.20E-01	0.00E+00	1.20E-01
				K-40	1.62E-01	1.07E-01	2.55E-01
Sample ID:	280209	Sample Dates:	12/23/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<4.23E-02	0.00E+00	4.23E-02
				Cs-134	<1.05E-02	0.00E+00	1.05E-02
				Cs-137	<1.13E-02	0.00E+00	1.13E-02
				Be-7	<8.16E-02	0.00E+00	8.16E-02
				K-40	4.17E-01	1.08E-01	2.08E-01

Sample Point 6 [INDICATOR - SSW @ 0.2 miles]

Sample ID:	177516	Sample Dates:	1/7/2013 - 1/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.49E-02	0.00E+00	1.49E-02
Sample ID:	177579	Sample Dates:	1/14/2013 - 1/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.56E-02	0.00E+00	1.56E-02
Sample ID:	177624	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.54E-02	0.00E+00	2.54E-02
Sample ID:	177658	Sample Dates:	1/28/2013 - 1/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.16E-02	0.00E+00	2.16E-02
Sample ID:	177692	Sample Dates:	2/4/2013 - 2/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.14E-02	0.00E+00	1.14E-02
Sample ID:	177737	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.35E-02	0.00E+00	1.35E-02
Sample ID:	177775	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.20E-02	0.00E+00	2.20E-02
Sample ID:	177846	Sample Dates:	2/25/2013 - 2/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.68E-02	0.00E+00	1.68E-02
Sample ID:	177882	Sample Dates:	3/4/2013 - 3/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.70E-02	0.00E+00	1.70E-02
Sample ID:	177931	Sample Dates:	3/11/2013 - 3/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.19E-02	0.00E+00	2.19E-02
Sample ID:	177967	Sample Dates:	3/18/2013 - 3/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.37E-02	0.00E+00	1.37E-02
Sample ID:	177994	Sample Dates:	3/24/2013 - 3/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.95E-02	0.00E+00	1.95E-02
Sample ID:	178028	Sample Dates:	4/1/2013 - 4/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.25E-02	0.00E+00	1.25E-02
Sample ID:	178098	Sample Dates:	4/8/2013 - 4/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.88E-02	0.00E+00	1.88E-02

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 6 [INDICATOR - SSW @ 0.2 miles]

Sample ID:	256382	Sample Dates:	4/8/2013 - 4/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.60E-02	0.00E+00	1.60E-02
				Cs-134	<8.23E-03	0.00E+00	8.23E-03
				Cs-137	<1.63E-02	0.00E+00	1.63E-02
				Be-7	<8.87E-02	0.00E+00	8.87E-02
				K-40	1.70E-01	8.54E-02	2.69E-01
Sample ID:	256652	Sample Dates:	4/15/2013 - 4/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.09E-02	0.00E+00	2.09E-02
				Cs-134	<1.15E-02	0.00E+00	1.15E-02
				Cs-137	<1.50E-02	0.00E+00	1.50E-02
				Be-7	<9.94E-02	0.00E+00	9.94E-02
				K-40	4.99E-01	1.09E-01	2.66E-01
Sample ID:	257186	Sample Dates:	4/22/2013 - 4/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.50E-02	0.00E+00	1.50E-02
				Cs-134	<6.36E-03	0.00E+00	6.36E-03
				Cs-137	<6.40E-03	0.00E+00	6.40E-03
				Be-7	<1.07E-01	0.00E+00	1.07E-01
				K-40	2.96E-01	7.39E-02	1.69E-01
Sample ID:	257331	Sample Dates:	4/29/2013 - 5/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.59E-02	0.00E+00	1.59E-02
				Cs-134	<1.24E-02	0.00E+00	1.24E-02
				Cs-137	<1.61E-02	0.00E+00	1.61E-02
				Be-7	<8.67E-02	0.00E+00	8.67E-02
				K-40	5.33E-01	1.07E-01	1.77E-01
Sample ID:	257776	Sample Dates:	5/6/2013 - 5/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.71E-02	0.00E+00	1.71E-02
				Cs-134	<1.13E-02	0.00E+00	1.13E-02
				Cs-137	<7.99E-03	0.00E+00	7.99E-03
				Be-7	<1.31E-01	0.00E+00	1.31E-01
				K-40	<4.65E-01	0.00E+00	4.65E-01
Sample ID:	258022	Sample Dates:	5/13/2013 - 5/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<8.26E-03	0.00E+00	8.26E-03
				Cs-134	<1.43E-02	0.00E+00	1.43E-02
				Cs-137	<3.00E-03	0.00E+00	3.00E-03
				Be-7	<7.73E-02	0.00E+00	7.73E-02
				K-40	2.66E-01	7.39E-02	2.20E-01
Sample ID:	258268	Sample Dates:	5/20/2013 - 5/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.03E-02	0.00E+00	3.03E-02
				Cs-134	<1.99E-02	0.00E+00	1.99E-02
				Cs-137	<4.82E-03	0.00E+00	4.82E-03
				Be-7	<1.47E-01	0.00E+00	1.47E-01
				K-40	<6.89E-01	0.00E+00	6.89E-01
Sample ID:	258604	Sample Dates:	5/26/2013 - 6/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.27E-02	0.00E+00	2.27E-02
				Cs-134	<1.47E-02	0.00E+00	1.47E-02
				Cs-137	<1.48E-02	0.00E+00	1.48E-02
				Be-7	<1.62E-01	0.00E+00	1.62E-01
				K-40	<4.70E-01	0.00E+00	4.70E-01
Sample ID:	259078	Sample Dates:	6/3/2013 - 6/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.18E-02	0.00E+00	1.18E-02
				Cs-134	<6.67E-03	0.00E+00	6.67E-03
				Cs-137	<8.10E-03	0.00E+00	8.10E-03
				Be-7	<7.73E-02	0.00E+00	7.73E-02
				K-40	3.42E-01	6.46E-02	8.94E-02
Sample ID:	259642	Sample Dates:	6/10/2013 - 6/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.85E-02	0.00E+00	1.85E-02
				Cs-134	<1.15E-02	0.00E+00	1.15E-02
				Cs-137	<1.42E-02	0.00E+00	1.42E-02
				Be-7	<1.35E-01	0.00E+00	1.35E-01
				K-40	2.62E-01	9.32E-02	2.30E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 6 [INDICATOR - SSW @ 0.2 miles]

Sample ID:	260274	Sample Dates:	6/18/2013 - 6/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.50E-02	0.00E+00	2.50E-02
				Cs-134	<1.49E-02	0.00E+00	1.49E-02
				Cs-137	<1.76E-02	0.00E+00	1.76E-02
				Be-7	<1.44E-01	0.00E+00	1.44E-01
				K-40	5.47E-01	1.17E-01	6.72E-02
Sample ID:	260746	Sample Dates:	7/1/2013 - 7/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<9.94E-03	0.00E+00	9.94E-03
				Cs-134	<8.19E-03	0.00E+00	8.19E-03
				Cs-137	<9.13E-03	0.00E+00	9.13E-03
				Be-7	<6.68E-02	0.00E+00	6.68E-02
				K-40	4.14E-01	6.71E-02	7.93E-02
Sample ID:	261685	Sample Dates:	7/8/2013 - 7/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.44E-02	0.00E+00	1.44E-02
				Cs-134	<6.43E-03	0.00E+00	6.43E-03
				Cs-137	<8.02E-03	0.00E+00	8.02E-03
				Be-7	<5.18E-02	0.00E+00	5.18E-02
				K-40	3.14E-01	7.79E-02	1.66E-01
Sample ID:	261952	Sample Dates:	6/24/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.40E-02	0.00E+00	2.40E-02
				Cs-134	<1.45E-02	0.00E+00	1.45E-02
				Cs-137	<1.59E-02	0.00E+00	1.59E-02
				Be-7	<8.49E-02	0.00E+00	8.49E-02
				K-40	<4.98E-01	0.00E+00	4.98E-01
Sample ID:	262195	Sample Dates:	7/15/2013 - 7/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.08E-02	0.00E+00	2.08E-02
				Cs-134	<1.48E-02	0.00E+00	1.48E-02
				Cs-137	<1.67E-02	0.00E+00	1.67E-02
				Be-7	<1.26E-01	0.00E+00	1.26E-01
				K-40	4.56E-01	1.07E-01	6.84E-02
Sample ID:	263651	Sample Dates:	7/29/2013 - 8/5/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.13E-02	0.00E+00	2.13E-02
				Cs-134	<1.91E-02	0.00E+00	1.91E-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	4.60E-01	1.08E-01	2.43E-01
Sample ID:	265040	Sample Dates:	7/22/2013 - 7/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<4.42E-02	0.00E+00	4.42E-02
				Cs-134	<2.22E-02	0.00E+00	2.22E-02
				Cs-137	<1.49E-02	0.00E+00	1.49E-02
				Be-7	<1.35E-01	0.00E+00	1.35E-01
				K-40	3.88E-01	1.19E-01	1.82E-01
Sample ID:	266658	Sample Dates:	8/5/2013 - 8/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.56E-02	0.00E+00	1.56E-02
				Cs-134	<1.27E-02	0.00E+00	1.27E-02
				Cs-137	<1.67E-02	0.00E+00	1.67E-02
				Be-7	<1.38E-01	0.00E+00	1.38E-01
				K-40	5.05E-01	1.13E-01	3.21E-01
Sample ID:	267537	Sample Dates:	8/12/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<8.64E-03	0.00E+00	8.64E-03
				Cs-134	<9.70E-03	0.00E+00	9.70E-03
				Cs-137	<9.49E-03	0.00E+00	9.49E-03
				Be-7	<7.52E-02	0.00E+00	7.52E-02
				K-40	3.42E-01	9.16E-02	1.80E-01
Sample ID:	268233	Sample Dates:	8/20/2013 - 8/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.69E-02	0.00E+00	1.69E-02
				Cs-134	<1.78E-02	0.00E+00	1.78E-02
				Cs-137	<1.72E-02	0.00E+00	1.72E-02
				Be-7	<1.40E-01	0.00E+00	1.40E-01
				K-40	<5.69E-01	0.00E+00	5.69E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 6 [INDICATOR - SSW @ 0.2 miles]

Sample ID:	269704	Sample Dates:	8/26/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.56E-02	0.00E+00	2.56E-02
				Cs-134	<1.28E-02	0.00E+00	1.28E-02
				Cs-137	<1.56E-02	0.00E+00	1.56E-02
				Be-7	<1.04E-01	0.00E+00	1.04E-01
				K-40	<4.93E-01	0.00E+00	4.93E-01
Sample ID:	270612	Sample Dates:	9/3/2013 - 9/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.52E-02	0.00E+00	2.52E-02
				Cs-134	<1.86E-02	0.00E+00	1.86E-02
				Cs-137	<2.06E-02	0.00E+00	2.06E-02
				Be-7	<1.28E-01	0.00E+00	1.28E-01
				K-40	4.65E-01	1.16E-01	2.78E-01
Sample ID:	271332	Sample Dates:	9/9/2013 - 9/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.97E-02	0.00E+00	1.97E-02
				Cs-134	<1.76E-02	0.00E+00	1.76E-02
				Cs-137	<2.23E-02	0.00E+00	2.23E-02
				Be-7	<1.25E-01	0.00E+00	1.25E-01
				K-40	4.66E-01	1.07E-01	2.13E-01
Sample ID:	271718	Sample Dates:	9/16/2013 - 9/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.99E-02	0.00E+00	1.99E-02
				Cs-134	<1.53E-02	0.00E+00	1.53E-02
				Cs-137	<2.24E-02	0.00E+00	2.24E-02
				Be-7	<1.37E-01	0.00E+00	1.37E-01
				K-40	4.61E-01	1.33E-01	1.96E-01
Sample ID:	272357	Sample Dates:	9/23/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.16E-02	0.00E+00	2.16E-02
				Cs-134	<1.44E-02	0.00E+00	1.44E-02
				Cs-137	<1.74E-02	0.00E+00	1.74E-02
				Be-7	<1.31E-01	0.00E+00	1.31E-01
				K-40	5.02E-01	1.12E-01	6.79E-02
Sample ID:	272775	Sample Dates:	9/30/2013 - 10/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.68E-02	0.00E+00	1.68E-02
				Cs-134	<1.53E-02	0.00E+00	1.53E-02
				Cs-137	<1.21E-02	0.00E+00	1.21E-02
				Be-7	<1.02E-01	0.00E+00	1.02E-01
				K-40	2.24E-01	1.12E-01	1.90E-01
Sample ID:	274001	Sample Dates:	10/7/2013 - 10/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.49E-02	0.00E+00	1.49E-02
				Cs-134	<6.51E-03	0.00E+00	6.51E-03
				Cs-137	<6.28E-03	0.00E+00	6.28E-03
				Be-7	<7.42E-02	0.00E+00	7.42E-02
				K-40	4.16E-01	8.77E-02	1.14E-01
Sample ID:	274247	Sample Dates:	10/14/2013 - 10/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.26E-02	0.00E+00	1.26E-02
				Cs-134	<7.09E-03	0.00E+00	7.09E-03
				Cs-137	<5.41E-03	0.00E+00	5.41E-03
				Be-7	<8.22E-02	0.00E+00	8.22E-02
				K-40	3.53E-01	6.14E-02	1.27E-01
Sample ID:	274619	Sample Dates:	10/21/2013 - 10/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.02E-02	0.00E+00	1.02E-02
				Cs-134	<1.05E-02	0.00E+00	1.05E-02
				Cs-137	<6.56E-03	0.00E+00	6.56E-03
				Be-7	<8.61E-02	0.00E+00	8.61E-02
				K-40	<3.85E-01	0.00E+00	3.85E-01
Sample ID:	275207	Sample Dates:	10/28/2013 - 11/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.23E-02	0.00E+00	2.23E-02
				Cs-134	<1.66E-02	0.00E+00	1.66E-02
				Cs-137	<1.69E-02	0.00E+00	1.69E-02
				Be-7	<1.20E-01	0.00E+00	1.20E-01
				K-40	<4.97E-01	0.00E+00	4.97E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 6 [INDICATOR - SSW @ 0.2 miles]

Sample ID:	277041	Sample Dates:	11/4/2013 - 11/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.46E-02	0.00E+00	2.46E-02
				Cs-134	<1.42E-02	0.00E+00	1.42E-02
				Cs-137	<1.05E-02	0.00E+00	1.05E-02
				Be-7	<9.59E-02	0.00E+00	9.59E-02
				K-40	3.90E-01	1.27E-01	1.91E-01
Sample ID:	277051	Sample Dates:	11/18/2013 - 11/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.65E-02	0.00E+00	2.65E-02
				Cs-134	<1.07E-02	0.00E+00	1.07E-02
				Cs-137	<1.09E-02	0.00E+00	1.09E-02
				Be-7	<1.01E-01	0.00E+00	1.01E-01
				K-40	2.38E-01	7.18E-02	5.85E-02
Sample ID:	277061	Sample Dates:	11/11/2013 - 11/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.12E-02	0.00E+00	2.12E-02
				Cs-134	<1.60E-02	0.00E+00	1.60E-02
				Cs-137	<1.91E-02	0.00E+00	1.91E-02
				Be-7	<1.61E-01	0.00E+00	1.61E-01
				K-40	3.22E-01	1.25E-01	2.36E-01
Sample ID:	278783	Sample Dates:	11/25/2013 - 12/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.18E-02	0.00E+00	2.18E-02
				Cs-134	<1.40E-02	0.00E+00	1.40E-02
				Cs-137	<1.78E-02	0.00E+00	1.78E-02
				Be-7	<1.45E-01	0.00E+00	1.45E-01
				K-40	<4.59E-01	0.00E+00	4.59E-01
Sample ID:	278854	Sample Dates:	12/2/2013 - 12/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.64E-02	0.00E+00	2.64E-02
				Cs-134	<2.08E-02	0.00E+00	2.08E-02
				Cs-137	<1.97E-02	0.00E+00	1.97E-02
				Be-7	<1.14E-01	0.00E+00	1.14E-01
				K-40	6.12E-01	1.49E-01	2.90E-01
Sample ID:	279094	Sample Dates:	12/9/2013 - 12/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.05E-02	0.00E+00	2.05E-02
				Cs-134	<1.91E-02	0.00E+00	1.91E-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	<4.64E-01	0.00E+00	4.64E-01
Sample ID:	279722	Sample Dates:	12/16/2013 - 12/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.13E-02	0.00E+00	2.13E-02
				Cs-134	<7.85E-03	0.00E+00	7.85E-03
				Cs-137	<9.44E-03	0.00E+00	9.44E-03
				Be-7	<8.80E-02	0.00E+00	8.80E-02
				K-40	5.88E-01	8.48E-02	3.31E-02
Sample ID:	280211	Sample Dates:	12/23/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<4.71E-02	0.00E+00	4.71E-02
				Cs-134	<1.72E-02	0.00E+00	1.72E-02
				Cs-137	<1.60E-02	0.00E+00	1.60E-02
				Be-7	<1.61E-01	0.00E+00	1.61E-01
				K-40	<5.83E-01	0.00E+00	5.83E-01

Sample Point 7 [INDICATOR - ESE @ 6.4 miles]

Sample ID:	177517	Sample Dates:	1/7/2013 - 1/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.28E-02	0.00E+00	1.28E-02
Sample ID:	177580	Sample Dates:	1/14/2013 - 1/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.62E-02	0.00E+00	1.62E-02
Sample ID:	177625	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.59E-02	0.00E+00	1.59E-02
Sample ID:	177659	Sample Dates:	1/28/2013 - 1/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.22E-02	0.00E+00	1.22E-02

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 7 [INDICATOR - ESE @ 6.4 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
177693	2/4/2013 - 2/4/2013	I-131	<1.85E-02	0.00E+00	1.85E-02
177738	2/11/2013 - 2/11/2013	I-131	<1.16E-02	0.00E+00	1.16E-02
177776	2/18/2013 - 2/18/2013	I-131	<1.74E-02	0.00E+00	1.74E-02
177847	2/25/2013 - 2/25/2013	I-131	<1.70E-02	0.00E+00	1.70E-02
177883	3/4/2013 - 3/4/2013	I-131	<1.90E-02	0.00E+00	1.90E-02
177932	3/11/2013 - 3/11/2013	I-131	<2.23E-02	0.00E+00	2.23E-02
177968	3/18/2013 - 3/18/2013	I-131	<2.19E-02	0.00E+00	2.19E-02
177995	3/24/2013 - 3/24/2013	I-131	<1.24E-02	0.00E+00	1.24E-02
178029	4/1/2013 - 4/1/2013	I-131	<1.41E-02	0.00E+00	1.41E-02
178099	4/8/2013 - 4/8/2013	I-131	<1.20E-02	0.00E+00	1.20E-02
256385	4/8/2013 - 4/15/2013	I-131	<1.76E-02	0.00E+00	1.76E-02
	Cs-134	<9.23E-03	0.00E+00	9.23E-03	
	Cs-137	<1.30E-02	0.00E+00	1.30E-02	
	Be-7	<1.14E-01	0.00E+00	1.14E-01	
	K-40	5.76E-01	1.03E-01	5.02E-02	
256655	4/15/2013 - 4/22/2013	I-131	<2.30E-02	0.00E+00	2.30E-02
	Cs-134	<1.69E-02	0.00E+00	1.69E-02	
	Cs-137	<1.82E-02	0.00E+00	1.82E-02	
	Be-7	<1.04E-01	0.00E+00	1.04E-01	
	K-40	<4.22E-01	0.00E+00	4.22E-01	
257189	4/22/2013 - 4/29/2013	I-131	<1.98E-02	0.00E+00	1.98E-02
	Cs-134	<1.10E-02	0.00E+00	1.10E-02	
	Cs-137	<1.73E-02	0.00E+00	1.73E-02	
	Be-7	<1.24E-01	0.00E+00	1.24E-01	
	K-40	6.90E-01	1.24E-01	6.02E-02	
257334	4/29/2013 - 5/6/2013	I-131	<1.28E-02	0.00E+00	1.28E-02
	Cs-134	<7.00E-03	0.00E+00	7.00E-03	
	Cs-137	<1.20E-02	0.00E+00	1.20E-02	
	Be-7	<6.59E-02	0.00E+00	6.59E-02	
	K-40	2.60E-01	5.80E-02	1.37E-01	
257779	5/6/2013 - 5/13/2013	I-131	<1.43E-02	0.00E+00	1.43E-02
	Cs-134	<1.00E-02	0.00E+00	1.00E-02	
	Cs-137	<9.24E-03	0.00E+00	9.24E-03	
	Be-7	<6.45E-02	0.00E+00	6.45E-02	
	K-40	4.82E-01	9.53E-02	1.93E-01	
258025	5/13/2013 - 5/20/2013	I-131	<1.47E-02	0.00E+00	1.47E-02
	Cs-134	<6.74E-03	0.00E+00	6.74E-03	
	Cs-137	<9.51E-03	0.00E+00	9.51E-03	
	Be-7	<6.73E-02	0.00E+00	6.73E-02	
	K-40	4.83E-01	7.46E-02	1.05E-01	

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 7 [INDICATOR - ESE @ 6.4 miles]

Sample ID:	258271	Sample Dates:	5/20/2013 - 5/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.74E-02	0.00E+00	3.74E-02
				Cs-134	<1.93E-02	0.00E+00	1.93E-02
				Cs-137	<2.61E-02	0.00E+00	2.61E-02
				Be-7	<1.73E-01	0.00E+00	1.73E-01
				K-40	7.94E-01	1.56E-01	2.20E-01
Sample ID:	258607	Sample Dates:	5/26/2013 - 6/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.58E-02	0.00E+00	2.58E-02
				Cs-134	<1.14E-02	0.00E+00	1.14E-02
				Cs-137	<1.61E-02	0.00E+00	1.61E-02
				Be-7	<1.15E-01	0.00E+00	1.15E-01
				K-40	2.01E-01	9.69E-02	2.17E-01
Sample ID:	259081	Sample Dates:	6/3/2013 - 6/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	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	<2.07E-02	0.00E+00	2.07E-02
				Be-7	<9.27E-02	0.00E+00	9.27E-02
				K-40	3.15E-01	1.01E-01	2.06E-01
Sample ID:	259646	Sample Dates:	6/10/2013 - 6/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.99E-02	0.00E+00	1.99E-02
				Cs-134	<1.42E-02	0.00E+00	1.42E-02
				Cs-137	<1.38E-02	0.00E+00	1.38E-02
				Be-7	<1.37E-01	0.00E+00	1.37E-01
				K-40	2.46E-01	9.88E-02	6.28E-02
Sample ID:	260277	Sample Dates:	6/18/2013 - 6/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.35E-02	0.00E+00	1.35E-02
				Cs-134	<1.23E-02	0.00E+00	1.23E-02
				Cs-137	<1.60E-02	0.00E+00	1.60E-02
				Be-7	<8.29E-02	0.00E+00	8.29E-02
				K-40	<3.75E-01	0.00E+00	3.75E-01
Sample ID:	260749	Sample Dates:	7/1/2013 - 7/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.01E-02	0.00E+00	1.01E-02
				Cs-134	<7.23E-03	0.00E+00	7.23E-03
				Cs-137	<1.20E-02	0.00E+00	1.20E-02
				Be-7	<6.93E-02	0.00E+00	6.93E-02
				K-40	2.52E-01	7.72E-02	1.81E-01
Sample ID:	261688	Sample Dates:	7/8/2013 - 7/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.97E-03	0.00E+00	2.97E-03
				Cs-134	<1.13E-02	0.00E+00	1.13E-02
				Cs-137	<1.17E-02	0.00E+00	1.17E-02
				Be-7	<5.08E-02	0.00E+00	5.08E-02
				K-40	3.93E-01	9.01E-02	1.71E-01
Sample ID:	261955	Sample Dates:	6/24/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.16E-02	0.00E+00	2.16E-02
				Cs-134	<1.81E-02	0.00E+00	1.81E-02
				Cs-137	<2.10E-02	0.00E+00	2.10E-02
				Be-7	<1.35E-01	0.00E+00	1.35E-01
				K-40	<5.76E-01	0.00E+00	5.76E-01
Sample ID:	262198	Sample Dates:	7/15/2013 - 7/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.98E-02	0.00E+00	1.98E-02
				Cs-134	<1.54E-02	0.00E+00	1.54E-02
				Cs-137	<1.81E-02	0.00E+00	1.81E-02
				Be-7	<1.14E-01	0.00E+00	1.14E-01
				K-40	5.05E-01	1.13E-01	6.83E-02
Sample ID:	263654	Sample Dates:	7/29/2013 - 8/5/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.12E-02	0.00E+00	2.12E-02
				Cs-134	<1.69E-02	0.00E+00	1.69E-02
				Cs-137	<1.70E-02	0.00E+00	1.70E-02
				Be-7	<1.42E-01	0.00E+00	1.42E-01
				K-40	4.11E-01	1.03E-01	2.44E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 7 [INDICATOR - ESE @ 6.4 miles]

Sample ID:	265041	Sample Dates:	7/22/2013 - 7/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.94E-02	0.00E+00	3.94E-02
				Cs-134	<1.50E-02	0.00E+00	1.50E-02
				Cs-137	<2.17E-02	0.00E+00	2.17E-02
				Be-7	<1.53E-01	0.00E+00	1.53E-01
				K-40	3.75E-01	1.00E-01	7.23E-02
Sample ID:	266661	Sample Dates:	8/5/2013 - 8/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.41E-02	0.00E+00	1.41E-02
				Cs-134	<2.06E-02	0.00E+00	2.06E-02
				Cs-137	<2.41E-02	0.00E+00	2.41E-02
				Be-7	<1.33E-01	0.00E+00	1.33E-01
				K-40	4.75E-01	1.73E-01	3.47E-01
Sample ID:	267538	Sample Dates:	8/12/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.26E-02	0.00E+00	1.26E-02
				Cs-134	<5.81E-03	0.00E+00	5.81E-03
				Cs-137	<1.22E-02	0.00E+00	1.22E-02
				Be-7	<8.04E-02	0.00E+00	8.04E-02
				K-40	3.63E-01	7.93E-02	1.88E-01
Sample ID:	268236	Sample Dates:	8/20/2013 - 8/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.92E-02	0.00E+00	2.92E-02
				Cs-134	<1.33E-02	0.00E+00	1.33E-02
				Cs-137	<2.22E-02	0.00E+00	2.22E-02
				Be-7	<1.45E-01	0.00E+00	1.45E-01
				K-40	<5.77E-01	0.00E+00	5.77E-01
Sample ID:	269707	Sample Dates:	8/26/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.28E-02	0.00E+00	3.28E-02
				Cs-134	<1.26E-02	0.00E+00	1.26E-02
				Cs-137	<1.49E-02	0.00E+00	1.49E-02
				Be-7	<1.34E-01	0.00E+00	1.34E-01
				K-40	2.04E-01	9.52E-02	1.98E-01
Sample ID:	270615	Sample Dates:	9/3/2013 - 9/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.39E-02	0.00E+00	2.39E-02
				Cs-134	<1.79E-02	0.00E+00	1.79E-02
				Cs-137	<1.86E-02	0.00E+00	1.86E-02
				Be-7	<1.14E-01	0.00E+00	1.14E-01
				K-40	4.09E-01	1.14E-01	3.01E-01
Sample ID:	271333	Sample Dates:	9/9/2013 - 9/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.10E-02	0.00E+00	3.10E-02
				Cs-134	<1.80E-02	0.00E+00	1.80E-02
				Cs-137	<1.54E-02	0.00E+00	1.54E-02
				Be-7	<1.41E-01	0.00E+00	1.41E-01
				K-40	4.15E-01	1.04E-01	7.02E-02
Sample ID:	271721	Sample Dates:	9/16/2013 - 9/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.90E-02	0.00E+00	1.90E-02
				Cs-134	<1.54E-02	0.00E+00	1.54E-02
				Cs-137	<1.71E-02	0.00E+00	1.71E-02
				Be-7	<9.21E-02	0.00E+00	9.21E-02
				K-40	<5.57E-01	0.00E+00	5.57E-01
Sample ID:	272360	Sample Dates:	9/23/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.11E-02	0.00E+00	2.11E-02
				Cs-134	<1.40E-02	0.00E+00	1.40E-02
				Cs-137	<1.74E-02	0.00E+00	1.74E-02
				Be-7	<1.55E-01	0.00E+00	1.55E-01
				K-40	5.53E-01	1.21E-01	7.12E-02
Sample ID:	272776	Sample Dates:	9/30/2013 - 10/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.35E-02	0.00E+00	3.35E-02
				Cs-134	<1.72E-02	0.00E+00	1.72E-02
				Cs-137	<1.83E-02	0.00E+00	1.83E-02
				Be-7	<1.59E-01	0.00E+00	1.59E-01
				K-40	5.03E-01	1.48E-01	2.53E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error, results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 7 [INDICATOR - ESE @ 6.4 miles]

Sample ID:	274004	Sample Dates:	10/7/2013 - 10/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.12E-02	0.00E+00	2.12E-02
				Cs-134	<9.68E-03	0.00E+00	9.68E-03
				Cs-137	<1.35E-02	0.00E+00	1.35E-02
				Be-7	<8.24E-02	0.00E+00	8.24E-02
				K-40	<3.46E-01	0.00E+00	3.46E-01
Sample ID:	274250	Sample Dates:	10/14/2013 - 10/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.80E-02	0.00E+00	1.80E-02
				Cs-134	<1.07E-02	0.00E+00	1.07E-02
				Cs-137	<1.09E-02	0.00E+00	1.09E-02
				Be-7	<8.01E-02	0.00E+00	8.01E-02
				K-40	4.23E-01	8.81E-02	1.36E-01
Sample ID:	274623	Sample Dates:	10/21/2013 - 10/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.17E-02	0.00E+00	1.17E-02
				Cs-134	<8.70E-03	0.00E+00	8.70E-03
				Cs-137	<1.22E-02	0.00E+00	1.22E-02
				Be-7	<9.40E-02	0.00E+00	9.40E-02
				K-40	5.37E-01	8.09E-02	3.30E-02
Sample ID:	275210	Sample Dates:	10/28/2013 - 11/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.53E-02	0.00E+00	2.53E-02
				Cs-134	<1.62E-02	0.00E+00	1.62E-02
				Cs-137	<2.15E-02	0.00E+00	2.15E-02
				Be-7	<1.49E-01	0.00E+00	1.49E-01
				K-40	<5.84E-01	0.00E+00	5.84E-01
Sample ID:	277044	Sample Dates:	11/4/2013 - 11/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.55E-02	0.00E+00	1.55E-02
				Cs-134	<1.78E-02	0.00E+00	1.78E-02
				Cs-137	<2.24E-02	0.00E+00	2.24E-02
				Be-7	<1.06E-01	0.00E+00	1.06E-01
				K-40	4.79E-01	1.13E-01	2.01E-01
Sample ID:	277054	Sample Dates:	11/18/2013 - 11/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.41E-02	0.00E+00	2.41E-02
				Cs-134	<1.43E-02	0.00E+00	1.43E-02
				Cs-137	<1.52E-02	0.00E+00	1.52E-02
				Be-7	<1.25E-01	0.00E+00	1.25E-01
				K-40	2.57E-01	1.05E-01	1.81E-01
Sample ID:	277064	Sample Dates:	11/11/2013 - 11/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.09E-02	0.00E+00	1.09E-02
				Cs-134	<4.45E-03	0.00E+00	4.45E-03
				Cs-137	<1.07E-02	0.00E+00	1.07E-02
				Be-7	<8.63E-02	0.00E+00	8.63E-02
				K-40	2.89E-01	7.72E-02	5.58E-02
Sample ID:	278786	Sample Dates:	11/25/2013 - 12/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<4.64E-02	0.00E+00	4.64E-02
				Cs-134	<1.15E-02	0.00E+00	1.15E-02
				Cs-137	<1.58E-02	0.00E+00	1.58E-02
				Be-7	<1.18E-01	0.00E+00	1.18E-01
				K-40	<5.53E-01	0.00E+00	5.53E-01
Sample ID:	278857	Sample Dates:	12/2/2013 - 12/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.40E-02	0.00E+00	1.40E-02
				Cs-134	<9.46E-03	0.00E+00	9.46E-03
				Cs-137	<1.28E-02	0.00E+00	1.28E-02
				Be-7	<8.01E-02	0.00E+00	8.01E-02
				K-40	3.28E-01	8.21E-02	5.55E-02
Sample ID:	279097	Sample Dates:	12/9/2013 - 12/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.69E-02	0.00E+00	2.69E-02
				Cs-134	<1.66E-02	0.00E+00	1.66E-02
				Cs-137	<2.22E-02	0.00E+00	2.22E-02
				Be-7	<1.65E-01	0.00E+00	1.65E-01
				K-40	<4.94E-01	0.00E+00	4.94E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 7 [INDICATOR - ESE @ 6.4 miles]

Sample ID:	279725	Sample Dates:	12/16/2013 - 12/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.76E-02	0.00E+00	2.76E-02
				Cs-134	<4.70E-03	0.00E+00	4.70E-03
				Cs-137	<8.22E-03	0.00E+00	8.22E-03
				Be-7	<7.55E-02	0.00E+00	7.55E-02
				K-40	3.31E-01	8.28E-02	1.54E-01

Sample ID:	280214	Sample Dates:	12/23/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.75E-02	0.00E+00	1.75E-02
				Cs-134	<7.55E-03	0.00E+00	7.55E-03
				Cs-137	<1.22E-02	0.00E+00	1.22E-02
				Be-7	<1.13E-01	0.00E+00	1.13E-01
				K-40	<3.56E-01	0.00E+00	3.56E-01

Sample Point 55 [INDICATOR - SSE @ 0.2 miles]

Sample ID:	177518	Sample Dates:	1/7/2013 - 1/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.36E-02	0.00E+00	2.36E-02
Sample ID:	177581	Sample Dates:	1/14/2013 - 1/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.20E-02	0.00E+00	1.20E-02
Sample ID:	177626	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.77E-02	0.00E+00	1.77E-02
Sample ID:	177660	Sample Dates:	1/28/2013 - 1/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.95E-02	0.00E+00	1.95E-02
Sample ID:	177694	Sample Dates:	2/4/2013 - 2/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.88E-02	0.00E+00	1.88E-02
Sample ID:	177739	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.88E-02	0.00E+00	1.88E-02
Sample ID:	177777	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.82E-02	0.00E+00	1.82E-02
Sample ID:	177848	Sample Dates:	2/25/2013 - 2/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.75E-02	0.00E+00	1.75E-02
Sample ID:	177884	Sample Dates:	3/4/2013 - 3/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.76E-02	0.00E+00	1.76E-02
Sample ID:	177933	Sample Dates:	3/11/2013 - 3/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.78E-02	0.00E+00	1.78E-02
Sample ID:	177969	Sample Dates:	3/18/2013 - 3/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.17E-02	0.00E+00	2.17E-02
Sample ID:	177996	Sample Dates:	3/24/2013 - 3/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.84E-02	0.00E+00	1.84E-02
Sample ID:	178030	Sample Dates:	4/1/2013 - 4/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.20E-02	0.00E+00	1.20E-02
Sample ID:	178100	Sample Dates:	4/8/2013 - 4/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.52E-02	0.00E+00	1.52E-02
Sample ID:	256293	Sample Dates:	4/8/2013 - 4/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.30E-02	0.00E+00	1.30E-02
				Cs-134	<9.42E-03	0.00E+00	9.42E-03
				Cs-137	<1.11E-02	0.00E+00	1.11E-02
				Be-7	<6.05E-02	0.00E+00	6.05E-02
				K-40	3.91E-01	7.02E-02	9.26E-02
Sample ID:	256651	Sample Dates:	4/15/2013 - 4/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.95E-02	0.00E+00	1.95E-02
				Cs-134	<1.64E-02	0.00E+00	1.64E-02
				Cs-137	<1.66E-02	0.00E+00	1.66E-02
				Be-7	<1.46E-01	0.00E+00	1.46E-01
				K-40	5.37E-01	1.12E-01	1.70E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 55 [INDICATOR - SSE @ 0.2 miles]

Sample ID:	257185	Sample Dates:	4/22/2013 - 4/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.88E-02	0.00E+00	1.88E-02
				Cs-134	<1.01E-02	0.00E+00	1.01E-02
				Cs-137	<9.64E-03	0.00E+00	9.64E-03
				Be-7	<9.14E-02	0.00E+00	9.14E-02
				K-40	<2.84E-01	0.00E+00	2.84E-01
Sample ID:	257330	Sample Dates:	4/29/2013 - 5/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.14E-02	0.00E+00	1.14E-02
				Cs-134	<9.33E-03	0.00E+00	9.33E-03
				Cs-137	<8.23E-03	0.00E+00	8.23E-03
				Be-7	<7.81E-02	0.00E+00	7.81E-02
				K-40	5.26E-01	9.03E-02	8.56E-02
Sample ID:	257775	Sample Dates:	5/6/2013 - 5/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.06E-02	0.00E+00	2.06E-02
				Cs-134	<1.30E-02	0.00E+00	1.30E-02
				Cs-137	<1.68E-02	0.00E+00	1.68E-02
				Be-7	<8.37E-02	0.00E+00	8.37E-02
				K-40	<4.43E-01	0.00E+00	4.43E-01
Sample ID:	258021	Sample Dates:	5/13/2013 - 5/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.36E-02	0.00E+00	1.36E-02
				Cs-134	<1.02E-02	0.00E+00	1.02E-02
				Cs-137	<9.37E-03	0.00E+00	9.37E-03
				Be-7	<8.28E-02	0.00E+00	8.28E-02
				K-40	<3.45E-01	0.00E+00	3.45E-01
Sample ID:	258267	Sample Dates:	5/20/2013 - 5/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.37E-02	0.00E+00	3.37E-02
				Cs-134	<1.68E-02	0.00E+00	1.68E-02
				Cs-137	<2.04E-02	0.00E+00	2.04E-02
				Be-7	<1.63E-01	0.00E+00	1.63E-01
				K-40	5.26E-01	1.28E-01	8.36E-02
Sample ID:	258603	Sample Dates:	5/26/2013 - 6/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.19E-02	0.00E+00	2.19E-02
				Cs-134	<1.23E-02	0.00E+00	1.23E-02
				Cs-137	<1.62E-02	0.00E+00	1.62E-02
				Be-7	<1.42E-01	0.00E+00	1.42E-01
				K-40	<5.26E-01	0.00E+00	5.26E-01
Sample ID:	259077	Sample Dates:	6/3/2013 - 6/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.35E-02	0.00E+00	2.35E-02
				Cs-134	<1.16E-02	0.00E+00	1.16E-02
				Cs-137	<1.15E-02	0.00E+00	1.15E-02
				Be-7	<1.20E-01	0.00E+00	1.20E-01
				K-40	3.32E-01	6.64E-02	1.55E-01
Sample ID:	259641	Sample Dates:	6/10/2013 - 6/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.69E-02	0.00E+00	1.69E-02
				Cs-134	<1.34E-02	0.00E+00	1.34E-02
				Cs-137	<9.95E-03	0.00E+00	9.95E-03
				Be-7	<1.18E-01	0.00E+00	1.18E-01
				K-40	3.46E-01	8.94E-02	2.09E-01
Sample ID:	260273	Sample Dates:	6/18/2013 - 6/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.25E-02	0.00E+00	1.25E-02
				Cs-134	<5.38E-03	0.00E+00	5.38E-03
				Cs-137	<7.03E-03	0.00E+00	7.03E-03
				Be-7	<5.18E-02	0.00E+00	5.18E-02
				K-40	4.43E-01	4.66E-02	6.78E-02
Sample ID:	260745	Sample Dates:	7/1/2013 - 7/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.75E-02	0.00E+00	1.75E-02
				Cs-134	<1.17E-02	0.00E+00	1.17E-02
				Cs-137	<1.19E-02	0.00E+00	1.19E-02
				Be-7	<1.13E-01	0.00E+00	1.13E-01
				K-40	6.27E-01	1.19E-01	1.61E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error, results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 55 [INDICATOR - SSE @ 0.2 miles]

Sample ID:	261684	Sample Dates:	7/8/2013 - 7/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.36E-02	0.00E+00	1.36E-02
				Cs-134	<7.67E-03	0.00E+00	7.67E-03
				Cs-137	<1.09E-02	0.00E+00	1.09E-02
				Be-7	<9.00E-02	0.00E+00	9.00E-02
				K-40	5.73E-01	8.36E-02	1.11E-01
Sample ID:	261951	Sample Dates:	6/24/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.42E-02	0.00E+00	2.42E-02
				Cs-134	<1.73E-02	0.00E+00	1.73E-02
				Cs-137	<1.60E-02	0.00E+00	1.60E-02
				Be-7	<1.40E-01	0.00E+00	1.40E-01
				K-40	<4.98E-01	0.00E+00	4.98E-01
Sample ID:	262194	Sample Dates:	7/15/2013 - 7/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.78E-02	0.00E+00	2.78E-02
				Cs-134	<1.88E-02	0.00E+00	1.88E-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	4.19E-01	1.32E-01	2.02E-01
Sample ID:	263650	Sample Dates:	7/29/2013 - 8/5/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.58E-02	0.00E+00	2.58E-02
				Cs-134	<2.07E-02	0.00E+00	2.07E-02
				Cs-137	<2.51E-02	0.00E+00	2.51E-02
				Be-7	<1.23E-01	0.00E+00	1.23E-01
				K-40	<3.89E-01	0.00E+00	3.89E-01
Sample ID:	265042	Sample Dates:	7/22/2013 - 7/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.02E-02	0.00E+00	3.02E-02
				Cs-134	<1.84E-02	0.00E+00	1.84E-02
				Cs-137	<1.66E-02	0.00E+00	1.66E-02
				Be-7	<1.63E-01	0.00E+00	1.63E-01
				K-40	4.39E-01	1.46E-01	2.73E-01
Sample ID:	266657	Sample Dates:	8/5/2013 - 8/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.68E-02	0.00E+00	2.68E-02
				Cs-134	<1.88E-02	0.00E+00	1.88E-02
				Cs-137	<2.02E-02	0.00E+00	2.02E-02
				Be-7	<1.11E-01	0.00E+00	1.11E-01
				K-40	2.14E-01	1.08E-01	2.30E-01
Sample ID:	267539	Sample Dates:	8/12/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.13E-02	0.00E+00	2.13E-02
				Cs-134	<1.12E-02	0.00E+00	1.12E-02
				Cs-137	<1.77E-02	0.00E+00	1.77E-02
				Be-7	<1.26E-01	0.00E+00	1.26E-01
				K-40	4.88E-01	1.06E-01	6.28E-02
Sample ID:	268232	Sample Dates:	8/20/2013 - 8/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.82E-02	0.00E+00	2.82E-02
				Cs-134	<2.08E-02	0.00E+00	2.08E-02
				Cs-137	<2.94E-02	0.00E+00	2.94E-02
				Be-7	<1.48E-01	0.00E+00	1.48E-01
				K-40	<6.34E-01	0.00E+00	6.34E-01
Sample ID:	269703	Sample Dates:	8/26/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.50E-02	0.00E+00	1.50E-02
				Cs-134	<7.09E-03	0.00E+00	7.09E-03
				Cs-137	<8.89E-03	0.00E+00	8.89E-03
				Be-7	<8.66E-02	0.00E+00	8.66E-02
				K-40	<3.01E-01	0.00E+00	3.01E-01
Sample ID:	270611	Sample Dates:	9/3/2013 - 9/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.43E-02	0.00E+00	3.43E-02
				Cs-134	<1.96E-02	0.00E+00	1.96E-02
				Cs-137	<2.08E-02	0.00E+00	2.08E-02
				Be-7	<1.64E-01	0.00E+00	1.64E-01
				K-40	7.88E-01	1.58E-01	2.38E-01

(1) Analysis results generated by Harns Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 55 [INDICATOR - SSE @ 0.2 miles]

Sample ID:	271334	Sample Dates:	9/9/2013 - 9/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.35E-02	0.00E+00	2.35E-02
				Cs-134	<1.65E-02	0.00E+00	1.65E-02
				Cs-137	<1.32E-02	0.00E+00	1.32E-02
				Be-7	<1.26E-01	0.00E+00	1.26E-01
				K-40	4.79E-01	1.42E-01	2.89E-01
Sample ID:	271717	Sample Dates:	9/16/2013 - 9/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.37E-02	0.00E+00	1.37E-02
				Cs-134	<1.61E-02	0.00E+00	1.61E-02
				Cs-137	<1.94E-02	0.00E+00	1.94E-02
				Be-7	<1.59E-01	0.00E+00	1.59E-01
				K-40	5.45E-01	1.22E-01	2.61E-01
Sample ID:	272356	Sample Dates:	9/23/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.30E-02	0.00E+00	2.30E-02
				Cs-134	<1.74E-02	0.00E+00	1.74E-02
				Cs-137	<2.07E-02	0.00E+00	2.07E-02
				Be-7	<1.83E-01	0.00E+00	1.83E-01
				K-40	5.81E-01	1.44E-01	2.97E-01
Sample ID:	272777	Sample Dates:	9/30/2013 - 10/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.62E-02	0.00E+00	2.62E-02
				Cs-134	<2.01E-02	0.00E+00	2.01E-02
				Cs-137	<1.73E-02	0.00E+00	1.73E-02
				Be-7	<1.32E-01	0.00E+00	1.32E-01
				K-40	<5.30E-01	0.00E+00	5.30E-01
Sample ID:	274000	Sample Dates:	10/7/2013 - 10/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.17E-02	0.00E+00	3.17E-02
				Cs-134	<9.52E-03	0.00E+00	9.52E-03
				Cs-137	<8.98E-03	0.00E+00	8.98E-03
				Be-7	<1.10E-01	0.00E+00	1.10E-01
				K-40	3.58E-01	8.95E-02	6.05E-02
Sample ID:	274246	Sample Dates:	10/14/2013 - 10/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.44E-02	0.00E+00	1.44E-02
				Cs-134	<6.71E-03	0.00E+00	6.71E-03
				Cs-137	<7.28E-03	0.00E+00	7.28E-03
				Be-7	<4.29E-02	0.00E+00	4.29E-02
				K-40	2.56E-01	5.72E-02	3.45E-02
Sample ID:	274618	Sample Dates:	10/21/2013 - 10/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.36E-02	0.00E+00	1.36E-02
				Cs-134	<8.42E-03	0.00E+00	8.42E-03
				Cs-137	<8.62E-03	0.00E+00	8.62E-03
				Be-7	<4.55E-02	0.00E+00	4.55E-02
				K-40	4.57E-01	9.65E-02	1.37E-01
Sample ID:	275206	Sample Dates:	10/28/2013 - 11/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.88E-02	0.00E+00	1.88E-02
				Cs-134	<1.64E-02	0.00E+00	1.64E-02
				Cs-137	<1.63E-02	0.00E+00	1.63E-02
				Be-7	<1.66E-01	0.00E+00	1.66E-01
				K-40	4.77E-01	1.39E-01	2.84E-01
Sample ID:	277040	Sample Dates:	11/4/2013 - 11/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.87E-02	0.00E+00	2.87E-02
				Cs-134	<1.70E-02	0.00E+00	1.70E-02
				Cs-137	<1.78E-02	0.00E+00	1.78E-02
				Be-7	<1.54E-01	0.00E+00	1.54E-01
				K-40	2.94E-01	8.88E-02	7.23E-02
Sample ID:	277050	Sample Dates:	11/18/2013 - 11/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.33E-02	0.00E+00	2.33E-02
				Cs-134	<8.75E-03	0.00E+00	8.75E-03
				Cs-137	<1.18E-02	0.00E+00	1.18E-02
				Be-7	<8.17E-02	0.00E+00	8.17E-02
				K-40	3.89E-01	9.22E-02	1.59E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 55 [INDICATOR - SSE @ 0.2 miles]

Sample ID:	277060	Sample Dates:	11/11/2013 - 11/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.65E-02	0.00E+00	1.65E-02
				Cs-134	<9.86E-03	0.00E+00	9.86E-03
				Cs-137	<1.44E-02	0.00E+00	1.44E-02
				Be-7	<1.02E-01	0.00E+00	1.02E-01
				K-40	6.52E-01	1.23E-01	2.59E-01
Sample ID:	278782	Sample Dates:	11/25/2013 - 12/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<6.85E-02	0.00E+00	6.85E-02
				Cs-134	<1.61E-02	0.00E+00	1.61E-02
				Cs-137	<1.89E-02	0.00E+00	1.89E-02
				Be-7	<1.39E-01	0.00E+00	1.39E-01
				K-40	4.23E-01	9.97E-02	6.35E-02
Sample ID:	278853	Sample Dates:	12/2/2013 - 12/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.24E-02	0.00E+00	1.24E-02
				Cs-134	<1.11E-02	0.00E+00	1.11E-02
				Cs-137	<1.12E-02	0.00E+00	1.12E-02
				Be-7	<7.99E-02	0.00E+00	7.99E-02
				K-40	3.21E-01	1.00E-01	1.71E-01
Sample ID:	279093	Sample Dates:	12/9/2013 - 12/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.50E-02	0.00E+00	2.50E-02
				Cs-134	<9.38E-03	0.00E+00	9.38E-03
				Cs-137	<2.11E-02	0.00E+00	2.11E-02
				Be-7	<1.30E-01	0.00E+00	1.30E-01
				K-40	4.65E-01	1.13E-01	2.48E-01
Sample ID:	279721	Sample Dates:	12/16/2013 - 12/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.59E-02	0.00E+00	2.59E-02
				Cs-134	<8.23E-03	0.00E+00	8.23E-03
				Cs-137	<1.13E-02	0.00E+00	1.13E-02
				Be-7	<1.04E-01	0.00E+00	1.04E-01
				K-40	3.71E-01	8.50E-02	2.15E-01
Sample ID:	280210	Sample Dates:	12/23/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.85E-02	0.00E+00	3.85E-02
				Cs-134	<1.55E-02	0.00E+00	1.55E-02
				Cs-137	<1.41E-02	0.00E+00	1.41E-02
				Be-7	<1.75E-01	0.00E+00	1.75E-01
				K-40	4.68E-01	1.14E-01	7.44E-02

Sample Point 60 [INDICATOR - SE @ 0.2 miles]

Sample ID:	177519	Sample Dates:	1/7/2013 - 1/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.03E-02	0.00E+00	2.03E-02
Sample ID:	177582	Sample Dates:	1/14/2013 - 1/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.74E-02	0.00E+00	1.74E-02
Sample ID:	177627	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.07E-02	0.00E+00	2.07E-02
Sample ID:	177661	Sample Dates:	1/28/2013 - 1/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.56E-02	0.00E+00	1.56E-02
Sample ID:	177695	Sample Dates:	2/4/2013 - 2/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.98E-02	0.00E+00	1.98E-02
Sample ID:	177740	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.46E-02	0.00E+00	1.46E-02
Sample ID:	177778	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.80E-02	0.00E+00	1.80E-02
Sample ID:	177849	Sample Dates:	2/25/2013 - 2/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.77E-02	0.00E+00	1.77E-02
Sample ID:	177885	Sample Dates:	3/4/2013 - 3/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.91E-02	0.00E+00	1.91E-02

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 60 [INDICATOR - SE @ 0.2 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
177934	3/11/2013 - 3/11/2013	I-131	<1.13E-02	0.00E+00	1.13E-02
177970	3/18/2013 - 3/18/2013	I-131	<2.37E-02	0.00E+00	2.37E-02
177997	3/24/2013 - 3/24/2013	I-131	<2.22E-02	0.00E+00	2.22E-02
178031	4/1/2013 - 4/1/2013	I-131	<1.19E-02	0.00E+00	1.19E-02
178101	4/8/2013 - 4/8/2013	I-131	<1.49E-02	0.00E+00	1.49E-02
256295	4/8/2013 - 4/15/2013	I-131	<1.06E-02	0.00E+00	1.06E-02
		Cs-134	<8.09E-03	0.00E+00	8.09E-03
		Cs-137	<9.00E-03	0.00E+00	9.00E-03
		Be-7	<6.91E-02	0.00E+00	6.91E-02
		K-40	2.51E-01	5.48E-02	3.23E-02
256653	4/15/2013 - 4/22/2013	I-131	<1.89E-02	0.00E+00	1.89E-02
		Cs-134	<1.43E-02	0.00E+00	1.43E-02
		Cs-137	<1.48E-02	0.00E+00	1.48E-02
		Be-7	<7.78E-02	0.00E+00	7.78E-02
		K-40	<4.38E-01	0.00E+00	4.38E-01
257187	4/22/2013 - 4/29/2013	I-131	<1.45E-02	0.00E+00	1.45E-02
		Cs-134	<8.61E-03	0.00E+00	8.61E-03
		Cs-137	<1.08E-02	0.00E+00	1.08E-02
		Be-7	<8.80E-02	0.00E+00	8.80E-02
		K-40	2.98E-01	6.21E-02	1.12E-01
257332	4/29/2013 - 5/6/2013	I-131	<1.65E-02	0.00E+00	1.65E-02
		Cs-134	<8.54E-03	0.00E+00	8.54E-03
		Cs-137	<1.38E-02	0.00E+00	1.38E-02
		Be-7	<5.44E-02	0.00E+00	5.44E-02
		K-40	5.44E-01	9.43E-02	1.13E-01
257777	5/6/2013 - 5/13/2013	I-131	<1.48E-02	0.00E+00	1.48E-02
		Cs-134	<8.67E-03	0.00E+00	8.67E-03
		Cs-137	<7.54E-03	0.00E+00	7.54E-03
		Be-7	<4.91E-02	0.00E+00	4.91E-02
		K-40	6.02E-01	8.19E-02	8.14E-02
258023	5/13/2013 - 5/20/2013	I-131	<1.85E-02	0.00E+00	1.85E-02
		Cs-134	<8.65E-03	0.00E+00	8.65E-03
		Cs-137	<1.13E-02	0.00E+00	1.13E-02
		Be-7	<8.87E-02	0.00E+00	8.87E-02
		K-40	1.26E-01	6.89E-02	1.13E-01
258269	5/20/2013 - 5/26/2013	I-131	<3.17E-02	0.00E+00	3.17E-02
		Cs-134	<1.54E-02	0.00E+00	1.54E-02
		Cs-137	<1.79E-02	0.00E+00	1.79E-02
		Be-7	<1.24E-01	0.00E+00	1.24E-01
		K-40	2.34E-01	1.25E-01	3.17E-01
258605	5/26/2013 - 6/3/2013	I-131	<2.74E-02	0.00E+00	2.74E-02
		Cs-134	<9.48E-03	0.00E+00	9.48E-03
		Cs-137	<1.41E-02	0.00E+00	1.41E-02
		Be-7	<1.06E-01	0.00E+00	1.06E-01
		K-40	<4.22E-01	0.00E+00	4.22E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 60 [INDICATOR - SE @ 0.2 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
259079	6/3/2013 - 6/10/2013	I-131	<7.73E-03	0.00E+00	7.73E-03
		Cs-134	<1.01E-02	0.00E+00	1.01E-02
		Cs-137	<9.66E-03	0.00E+00	9.66E-03
		Be-7	<6.66E-02	0.00E+00	6.66E-02
		K-40	3.59E-01	8.24E-02	5.11E-02
259643	6/10/2013 - 6/18/2013	I-131	<1.75E-02	0.00E+00	1.75E-02
		Cs-134	<8.59E-03	0.00E+00	8.59E-03
		Cs-137	<2.01E-02	0.00E+00	2.01E-02
		Be-7	<1.13E-01	0.00E+00	1.13E-01
		K-40	2.94E-01	8.14E-02	1.62E-01
260275	6/18/2013 - 6/24/2013	I-131	<3.10E-02	0.00E+00	3.10E-02
		Cs-134	<2.00E-02	0.00E+00	2.00E-02
		Cs-137	<2.19E-02	0.00E+00	2.19E-02
		Be-7	<1.46E-01	0.00E+00	1.46E-01
		K-40	<6.47E-01	0.00E+00	6.47E-01
260747	7/1/2013 - 7/8/2013	I-131	<1.02E-02	0.00E+00	1.02E-02
		Cs-134	<8.67E-03	0.00E+00	8.67E-03
		Cs-137	<7.87E-03	0.00E+00	7.87E-03
		Be-7	<7.00E-02	0.00E+00	7.00E-02
		K-40	4.77E-01	7.27E-02	1.18E-01
261686	7/8/2013 - 7/15/2013	I-131	<1.12E-02	0.00E+00	1.12E-02
		Cs-134	<6.96E-03	0.00E+00	6.96E-03
		Cs-137	<1.25E-02	0.00E+00	1.25E-02
		Be-7	<4.67E-02	0.00E+00	4.67E-02
		K-40	3.97E-01	8.47E-02	1.32E-01
261953	6/24/2013 - 7/1/2013	I-131	<2.04E-02	0.00E+00	2.04E-02
		Cs-134	<1.28E-02	0.00E+00	1.28E-02
		Cs-137	<1.51E-02	0.00E+00	1.51E-02
		Be-7	<1.50E-01	0.00E+00	1.50E-01
		K-40	5.31E-01	1.38E-01	2.31E-01
262196	7/15/2013 - 7/22/2013	I-131	<2.05E-02	0.00E+00	2.05E-02
		Cs-134	<1.64E-02	0.00E+00	1.64E-02
		Cs-137	<1.72E-02	0.00E+00	1.72E-02
		Be-7	<1.22E-01	0.00E+00	1.22E-01
		K-40	<4.72E-01	0.00E+00	4.72E-01
263652	7/29/2013 - 8/5/2013	I-131	<2.54E-02	0.00E+00	2.54E-02
		Cs-134	<1.64E-02	0.00E+00	1.64E-02
		Cs-137	<1.48E-02	0.00E+00	1.48E-02
		Be-7	<7.17E-02	0.00E+00	7.17E-02
		K-40	<4.40E-01	0.00E+00	4.40E-01
265043	7/22/2013 - 7/29/2013	I-131	<3.54E-02	0.00E+00	3.54E-02
		Cs-134	<1.73E-02	0.00E+00	1.73E-02
		Cs-137	<1.49E-02	0.00E+00	1.49E-02
		Be-7	<1.30E-01	0.00E+00	1.30E-01
		K-40	3.06E-01	1.07E-01	2.27E-01
266659	8/5/2013 - 8/12/2013	I-131	<1.94E-02	0.00E+00	1.94E-02
		Cs-134	<1.43E-02	0.00E+00	1.43E-02
		Cs-137	<1.79E-02	0.00E+00	1.79E-02
		Be-7	<9.50E-02	0.00E+00	9.50E-02
		K-40	5.02E-01	1.15E-01	7.14E-02

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 60 [INDICATOR - SE @ 0.2 miles]

Sample ID:	267540	Sample Dates:	8/12/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.40E-02	0.00E+00	2.40E-02
				Cs-134	<1.31E-02	0.00E+00	1.31E-02
				Cs-137	<1.26E-02	0.00E+00	1.26E-02
				Be-7	<1.30E-01	0.00E+00	1.30E-01
				K-40	3.83E-01	1.13E-01	2.90E-01
Sample ID:	268234	Sample Dates:	8/20/2013 - 8/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.97E-02	0.00E+00	2.97E-02
				Cs-134	<2.02E-02	0.00E+00	2.02E-02
				Cs-137	<2.17E-02	0.00E+00	2.17E-02
				Be-7	<1.86E-01	0.00E+00	1.86E-01
				K-40	<6.34E-01	0.00E+00	6.34E-01
Sample ID:	269705	Sample Dates:	8/26/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.74E-02	0.00E+00	1.74E-02
				Cs-134	<7.32E-03	0.00E+00	7.32E-03
				Cs-137	<1.16E-02	0.00E+00	1.16E-02
				Be-7	<1.09E-01	0.00E+00	1.09E-01
				K-40	2.06E-01	5.96E-02	4.65E-02
Sample ID:	270613	Sample Dates:	9/3/2013 - 9/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.31E-02	0.00E+00	2.31E-02
				Cs-134	<1.83E-02	0.00E+00	1.83E-02
				Cs-137	<2.37E-02	0.00E+00	2.37E-02
				Be-7	<1.33E-01	0.00E+00	1.33E-01
				K-40	5.11E-01	1.47E-01	2.27E-01
Sample ID:	271335	Sample Dates:	9/9/2013 - 9/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.18E-02	0.00E+00	2.18E-02
				Cs-134	<1.47E-02	0.00E+00	1.47E-02
				Cs-137	<1.84E-02	0.00E+00	1.84E-02
				Be-7	<1.58E-01	0.00E+00	1.58E-01
				K-40	<4.76E-01	0.00E+00	4.76E-01
Sample ID:	271719	Sample Dates:	9/16/2013 - 9/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.05E-02	0.00E+00	2.05E-02
				Cs-134	<1.65E-02	0.00E+00	1.65E-02
				Cs-137	<2.28E-02	0.00E+00	2.28E-02
				Be-7	<1.10E-01	0.00E+00	1.10E-01
				K-40	3.46E-01	9.59E-02	2.95E-01
Sample ID:	272358	Sample Dates:	9/23/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.91E-02	0.00E+00	1.91E-02
				Cs-134	<1.37E-02	0.00E+00	1.37E-02
				Cs-137	<1.94E-02	0.00E+00	1.94E-02
				Be-7	<1.56E-01	0.00E+00	1.56E-01
				K-40	<4.70E-01	0.00E+00	4.70E-01
Sample ID:	272778	Sample Dates:	9/30/2013 - 10/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.43E-02	0.00E+00	2.43E-02
				Cs-134	<1.71E-02	0.00E+00	1.71E-02
				Cs-137	<2.02E-02	0.00E+00	2.02E-02
				Be-7	<1.32E-01	0.00E+00	1.32E-01
				K-40	7.28E-01	1.38E-01	1.97E-01
Sample ID:	274002	Sample Dates:	10/7/2013 - 10/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.94E-02	0.00E+00	1.94E-02
				Cs-134	<8.36E-03	0.00E+00	8.36E-03
				Cs-137	<7.66E-03	0.00E+00	7.66E-03
				Be-7	<6.91E-02	0.00E+00	6.91E-02
				K-40	4.21E-01	7.11E-02	3.25E-02
Sample ID:	274248	Sample Dates:	10/14/2013 - 10/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.52E-02	0.00E+00	1.52E-02
				Cs-134	<7.40E-03	0.00E+00	7.40E-03
				Cs-137	<1.11E-02	0.00E+00	1.11E-02
				Be-7	<7.05E-02	0.00E+00	7.05E-02
				K-40	6.01E-01	8.50E-02	1.29E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 60 [INDICATOR - SE @ 0.2 miles]

Sample ID:	274620	Sample Dates:	10/21/2013 - 10/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.71E-02	0.00E+00	1.71E-02
				Cs-134	<1.18E-02	0.00E+00	1.18E-02
				Cs-137	<1.43E-02	0.00E+00	1.43E-02
				Be-7	<1.20E-01	0.00E+00	1.20E-01
				K-40	3.47E-01	8.67E-02	5.86E-02
Sample ID:	275208	Sample Dates:	10/28/2013 - 11/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.50E-02	0.00E+00	2.50E-02
				Cs-134	<1.44E-02	0.00E+00	1.44E-02
				Cs-137	<1.75E-02	0.00E+00	1.75E-02
				Be-7	<1.42E-01	0.00E+00	1.42E-01
				K-40	4.48E-01	1.29E-01	7.09E-02
Sample ID:	277042	Sample Dates:	11/4/2013 - 11/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.12E-02	0.00E+00	2.12E-02
				Cs-134	<8.93E-03	0.00E+00	8.93E-03
				Cs-137	<1.77E-02	0.00E+00	1.77E-02
				Be-7	<1.12E-01	0.00E+00	1.12E-01
				K-40	3.38E-01	9.39E-02	2.49E-01
Sample ID:	277052	Sample Dates:	11/18/2013 - 11/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.39E-02	0.00E+00	2.39E-02
				Cs-134	<1.09E-02	0.00E+00	1.09E-02
				Cs-137	<1.34E-02	0.00E+00	1.34E-02
				Be-7	<2.58E-02	0.00E+00	2.58E-02
				K-40	2.61E-01	9.66E-02	1.57E-01
Sample ID:	277062	Sample Dates:	11/11/2013 - 11/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.80E-02	0.00E+00	1.80E-02
				Cs-134	<1.30E-02	0.00E+00	1.30E-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	<4.58E-01	0.00E+00	4.58E-01
Sample ID:	278784	Sample Dates:	11/25/2013 - 12/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.15E-02	0.00E+00	2.15E-02
				Cs-134	<1.44E-02	0.00E+00	1.44E-02
				Cs-137	<2.39E-02	0.00E+00	2.39E-02
				Be-7	<1.24E-01	0.00E+00	1.24E-01
				K-40	4.69E-01	1.10E-01	2.35E-01
Sample ID:	278855	Sample Dates:	12/2/2013 - 12/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.84E-02	0.00E+00	1.84E-02
				Cs-134	<1.34E-02	0.00E+00	1.34E-02
				Cs-137	<1.10E-02	0.00E+00	1.10E-02
				Be-7	<1.24E-01	0.00E+00	1.24E-01
				K-40	5.62E-01	1.12E-01	1.65E-01
Sample ID:	279095	Sample Dates:	12/9/2013 - 12/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.35E-02	0.00E+00	1.35E-02
				Cs-134	<1.48E-02	0.00E+00	1.48E-02
				Cs-137	<1.98E-02	0.00E+00	1.98E-02
				Be-7	<1.05E-01	0.00E+00	1.05E-01
				K-40	4.23E-01	1.06E-01	2.40E-01
Sample ID:	279723	Sample Dates:	12/16/2013 - 12/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.69E-02	0.00E+00	1.69E-02
				Cs-134	<9.04E-03	0.00E+00	9.04E-03
				Cs-137	<1.02E-02	0.00E+00	1.02E-02
				Be-7	<7.81E-02	0.00E+00	7.81E-02
				K-40	5.19E-01	9.32E-02	1.49E-01
Sample ID:	280212	Sample Dates:	12/23/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.18E-02	0.00E+00	3.18E-02
				Cs-134	<1.38E-02	0.00E+00	1.38E-02
				Cs-137	<1.31E-02	0.00E+00	1.31E-02
				Be-7	<1.23E-01	0.00E+00	1.23E-01
				K-40	4.39E-01	9.81E-02	5.93E-02

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 61 [INDICATOR - WSW @ 0.3 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
177520	1/7/2013 - 1/7/2013	I-131	<1.82E-02	0.00E+00	1.82E-02
177583	1/14/2013 - 1/14/2013	I-131	<1.23E-02	0.00E+00	1.23E-02
177628	1/21/2013 - 1/21/2013	I-131	<1.90E-02	0.00E+00	1.90E-02
177662	1/28/2013 - 1/28/2013	I-131	<2.25E-02	0.00E+00	2.25E-02
177696	2/4/2013 - 2/4/2013	I-131	<1.74E-02	0.00E+00	1.74E-02
177741	2/11/2013 - 2/11/2013	I-131	<1.82E-02	0.00E+00	1.82E-02
177779	2/18/2013 - 2/18/2013	I-131	<1.02E-02	0.00E+00	1.02E-02
177850	2/25/2013 - 2/25/2013	I-131	<1.66E-02	0.00E+00	1.66E-02
177886	3/4/2013 - 3/4/2013	I-131	<2.08E-02	0.00E+00	2.08E-02
177935	3/11/2013 - 3/11/2013	I-131	<1.51E-02	0.00E+00	1.51E-02
177971	3/18/2013 - 3/18/2013	I-131	<1.60E-02	0.00E+00	1.60E-02
177998	3/24/2013 - 3/24/2013	I-131	<1.81E-02	0.00E+00	1.81E-02
178032	4/1/2013 - 4/1/2013	I-131	<1.26E-02	0.00E+00	1.26E-02
178102	4/8/2013 - 4/8/2013	I-131	<1.92E-02	0.00E+00	1.92E-02
256384	4/8/2013 - 4/15/2013	I-131	<1.81E-02	0.00E+00	1.81E-02
		Cs-134	<1.19E-02	0.00E+00	1.19E-02
		Cs-137	<1.41E-02	0.00E+00	1.41E-02
		Be-7	<6.73E-02	0.00E+00	6.73E-02
		K-40	<3.94E-01	0.00E+00	3.94E-01
256654	4/15/2013 - 4/22/2013	I-131	<2.44E-02	0.00E+00	2.44E-02
		Cs-134	<1.39E-02	0.00E+00	1.39E-02
		Cs-137	<2.01E-02	0.00E+00	2.01E-02
		Be-7	<1.19E-01	0.00E+00	1.19E-01
		K-40	4.94E-01	1.10E-01	1.80E-01
257188	4/22/2013 - 4/29/2013	I-131	<1.38E-02	0.00E+00	1.38E-02
		Cs-134	<8.77E-03	0.00E+00	8.77E-03
		Cs-137	<1.01E-02	0.00E+00	1.01E-02
		Be-7	<6.98E-02	0.00E+00	6.98E-02
		K-40	<3.29E-01	0.00E+00	3.29E-01
257333	4/29/2013 - 5/6/2013	I-131	<1.97E-02	0.00E+00	1.97E-02
		Cs-134	<7.74E-03	0.00E+00	7.74E-03
		Cs-137	<1.66E-02	0.00E+00	1.66E-02
		Be-7	<6.21E-02	0.00E+00	6.21E-02
		K-40	4.05E-01	9.54E-02	1.70E-01
257778	5/6/2013 - 5/13/2013	I-131	<1.61E-02	0.00E+00	1.61E-02

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 61 [INDICATOR - WSW @ 0.3 miles]

Sample ID:	257778	Sample Dates:	5/6/2013 - 5/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Cs-134	<6.73E-03	0.00E+00	6.73E-03
				Cs-137	<1.53E-02	0.00E+00	1.53E-02
				Be-7	<6.76E-02	0.00E+00	6.76E-02
				K-40	<3.72E-01	0.00E+00	3.72E-01
Sample ID:	258024	Sample Dates:	5/13/2013 - 5/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.59E-02	0.00E+00	1.59E-02
				Cs-134	<1.31E-02	0.00E+00	1.31E-02
				Cs-137	<1.18E-02	0.00E+00	1.18E-02
				Be-7	<8.85E-02	0.00E+00	8.85E-02
				K-40	3.76E-01	7.36E-02	1.06E-01
Sample ID:	258270	Sample Dates:	5/20/2013 - 5/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<4.26E-02	0.00E+00	4.26E-02
				Cs-134	<2.55E-02	0.00E+00	2.55E-02
				Cs-137	<2.56E-02	0.00E+00	2.56E-02
				Be-7	<1.53E-01	0.00E+00	1.53E-01
				K-40	<6.56E-01	0.00E+00	6.56E-01
Sample ID:	258606	Sample Dates:	5/26/2013 - 6/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.40E-02	0.00E+00	2.40E-02
				Cs-134	<1.57E-02	0.00E+00	1.57E-02
				Cs-137	<1.47E-02	0.00E+00	1.47E-02
				Be-7	<1.52E-01	0.00E+00	1.52E-01
				K-40	<4.67E-01	0.00E+00	4.67E-01
Sample ID:	259080	Sample Dates:	6/3/2013 - 6/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.49E-02	0.00E+00	1.49E-02
				Cs-134	<1.03E-02	0.00E+00	1.03E-02
				Cs-137	<1.15E-02	0.00E+00	1.15E-02
				Be-7	<7.33E-02	0.00E+00	7.33E-02
				K-40	4.63E-01	8.18E-02	1.06E-01
Sample ID:	259644	Sample Dates:	6/10/2013 - 6/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.61E-02	0.00E+00	2.61E-02
				Cs-134	<1.54E-02	0.00E+00	1.54E-02
				Cs-137	<1.72E-02	0.00E+00	1.72E-02
				Be-7	<1.35E-01	0.00E+00	1.35E-01
				K-40	<5.35E-01	0.00E+00	5.35E-01
Sample ID:	260276	Sample Dates:	6/18/2013 - 6/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.48E-02	0.00E+00	1.48E-02
				Cs-134	<8.97E-03	0.00E+00	8.97E-03
				Cs-137	<1.22E-02	0.00E+00	1.22E-02
				Be-7	<6.98E-02	0.00E+00	6.98E-02
				K-40	6.28E-01	1.10E-01	1.06E-01
Sample ID:	260748	Sample Dates:	7/1/2013 - 7/8/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.23E-02	0.00E+00	1.23E-02
				Cs-134	<8.99E-03	0.00E+00	8.99E-03
				Cs-137	<1.06E-02	0.00E+00	1.06E-02
				Be-7	<7.27E-02	0.00E+00	7.27E-02
				K-40	4.63E-01	8.06E-02	1.03E-01
Sample ID:	261687	Sample Dates:	7/8/2013 - 7/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.12E-02	0.00E+00	1.12E-02
				Cs-134	<7.03E-03	0.00E+00	7.03E-03
				Cs-137	<1.23E-02	0.00E+00	1.23E-02
				Be-7	<5.10E-02	0.00E+00	5.10E-02
				K-40	2.72E-01	7.04E-02	1.48E-01
Sample ID:	261954	Sample Dates:	6/24/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.22E-02	0.00E+00	2.22E-02
				Cs-134	<2.15E-02	0.00E+00	2.15E-02
				Cs-137	<2.28E-02	0.00E+00	2.28E-02
				Be-7	<1.60E-01	0.00E+00	1.60E-01
				K-40	5.11E-01	1.20E-01	2.98E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 61 [INDICATOR - WSW @ 0.3 miles]

Sample ID:	262197	Sample Dates:	7/15/2013 - 7/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.91E-02	0.00E+00	2.91E-02
				Cs-134	<2.29E-02	0.00E+00	2.29E-02
				Cs-137	<1.99E-02	0.00E+00	1.99E-02
				Be-7	<1.66E-01	0.00E+00	1.66E-01
				K-40	4.65E-01	1.16E-01	3.22E-01
Sample ID:	263653	Sample Dates:	7/29/2013 - 8/5/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.81E-02	0.00E+00	2.81E-02
				Cs-134	<1.87E-02	0.00E+00	1.87E-02
				Cs-137	<1.19E-02	0.00E+00	1.19E-02
				Be-7	<1.49E-01	0.00E+00	1.49E-01
				K-40	6.17E-01	1.35E-01	2.80E-01
Sample ID:	265044	Sample Dates:	7/22/2013 - 7/29/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<4.27E-02	0.00E+00	4.27E-02
				Cs-134	<1.52E-02	0.00E+00	1.52E-02
				Cs-137	<2.40E-02	0.00E+00	2.40E-02
				Be-7	<1.35E-01	0.00E+00	1.35E-01
				K-40	<5.47E-01	0.00E+00	5.47E-01
Sample ID:	266660	Sample Dates:	8/5/2013 - 8/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.65E-02	0.00E+00	2.65E-02
				Cs-134	<1.57E-02	0.00E+00	1.57E-02
				Cs-137	<2.15E-02	0.00E+00	2.15E-02
				Be-7	<1.95E-01	0.00E+00	1.95E-01
				K-40	3.82E-01	1.41E-01	2.62E-01
Sample ID:	267541	Sample Dates:	8/12/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.92E-02	0.00E+00	1.92E-02
				Cs-134	<1.93E-02	0.00E+00	1.93E-02
				Cs-137	<1.49E-02	0.00E+00	1.49E-02
				Be-7	<1.53E-01	0.00E+00	1.53E-01
				K-40	3.28E-01	9.08E-02	1.81E-01
Sample ID:	268235	Sample Dates:	8/20/2013 - 8/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.22E-02	0.00E+00	3.22E-02
				Cs-134	<2.30E-02	0.00E+00	2.30E-02
				Cs-137	<2.22E-02	0.00E+00	2.22E-02
				Be-7	<1.61E-01	0.00E+00	1.61E-01
				K-40	5.70E-01	1.38E-01	3.92E-01
Sample ID:	269706	Sample Dates:	8/26/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.94E-02	0.00E+00	1.94E-02
				Cs-134	<1.23E-02	0.00E+00	1.23E-02
				Cs-137	<1.24E-02	0.00E+00	1.24E-02
				Be-7	<1.01E-01	0.00E+00	1.01E-01
				K-40	<2.06E-01	0.00E+00	2.06E-01
Sample ID:	270614	Sample Dates:	9/3/2013 - 9/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.89E-02	0.00E+00	2.89E-02
				Cs-134	<1.44E-02	0.00E+00	1.44E-02
				Cs-137	<2.21E-02	0.00E+00	2.21E-02
				Be-7	<1.89E-01	0.00E+00	1.89E-01
				K-40	5.68E-01	1.38E-01	2.53E-01
Sample ID:	271336	Sample Dates:	9/9/2013 - 9/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.58E-02	0.00E+00	1.58E-02
				Cs-134	<1.41E-02	0.00E+00	1.41E-02
				Cs-137	<1.67E-02	0.00E+00	1.67E-02
				Be-7	<1.13E-01	0.00E+00	1.13E-01
				K-40	<6.00E-01	0.00E+00	6.00E-01
Sample ID:	271720	Sample Dates:	9/16/2013 - 9/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.81E-02	0.00E+00	1.81E-02
				Cs-134	<1.84E-02	0.00E+00	1.84E-02
				Cs-137	<1.90E-02	0.00E+00	1.90E-02
				Be-7	<1.52E-01	0.00E+00	1.52E-01
				K-40	4.41E-01	1.10E-01	2.64E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 61 [INDICATOR - WSW @ 0.3 miles]

Sample ID:	272359	Sample Dates:	9/23/2013 - 9/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.11E-02	0.00E+00	2.11E-02
				Cs-134	<1.71E-02	0.00E+00	1.71E-02
				Cs-137	<2.01E-02	0.00E+00	2.01E-02
				Be-7	<1.25E-01	0.00E+00	1.25E-01
				K-40	4.75E-01	1.15E-01	7.56E-02
Sample ID:	272779	Sample Dates:	9/30/2013 - 10/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.34E-02	0.00E+00	2.34E-02
				Cs-134	<1.56E-02	0.00E+00	1.56E-02
				Cs-137	<1.48E-02	0.00E+00	1.48E-02
				Be-7	<1.29E-01	0.00E+00	1.29E-01
				K-40	4.34E-01	1.12E-01	2.77E-01
Sample ID:	274003	Sample Dates:	10/7/2013 - 10/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.89E-02	0.00E+00	2.89E-02
				Cs-134	<1.32E-02	0.00E+00	1.32E-02
				Cs-137	<1.23E-02	0.00E+00	1.23E-02
				Be-7	<1.02E-01	0.00E+00	1.02E-01
				K-40	<4.48E-01	0.00E+00	4.48E-01
Sample ID:	274249	Sample Dates:	10/14/2013 - 10/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.46E-02	0.00E+00	2.46E-02
				Cs-134	<1.13E-02	0.00E+00	1.13E-02
				Cs-137	<1.62E-02	0.00E+00	1.62E-02
				Be-7	<1.05E-01	0.00E+00	1.05E-01
				K-40	4.84E-01	1.08E-01	2.16E-01
Sample ID:	274622	Sample Dates:	10/21/2013 - 10/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.26E-02	0.00E+00	1.26E-02
				Cs-134	<6.36E-03	0.00E+00	6.36E-03
				Cs-137	<8.91E-03	0.00E+00	8.91E-03
				Be-7	<7.84E-02	0.00E+00	7.84E-02
				K-40	5.18E-01	8.77E-02	1.57E-01
Sample ID:	275209	Sample Dates:	10/28/2013 - 11/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.43E-02	0.00E+00	2.43E-02
				Cs-134	<1.90E-02	0.00E+00	1.90E-02
				Cs-137	<2.91E-02	0.00E+00	2.91E-02
				Be-7	<1.11E-01	0.00E+00	1.11E-01
				K-40	2.73E-01	1.20E-01	3.40E-01
Sample ID:	277043	Sample Dates:	11/4/2013 - 11/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.49E-02	0.00E+00	2.49E-02
				Cs-134	<2.01E-02	0.00E+00	2.01E-02
				Cs-137	<2.40E-02	0.00E+00	2.40E-02
				Be-7	<1.00E-01	0.00E+00	1.00E-01
				K-40	<4.82E-01	0.00E+00	4.82E-01
Sample ID:	277053	Sample Dates:	11/18/2013 - 11/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.34E-02	0.00E+00	2.34E-02
				Cs-134	<6.81E-03	0.00E+00	6.81E-03
				Cs-137	<1.01E-02	0.00E+00	1.01E-02
				Be-7	<8.30E-02	0.00E+00	8.30E-02
				K-40	<3.63E-01	0.00E+00	3.63E-01
Sample ID:	277063	Sample Dates:	11/11/2013 - 11/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.54E-02	0.00E+00	1.54E-02
				Cs-134	<8.72E-03	0.00E+00	8.72E-03
				Cs-137	<1.20E-02	0.00E+00	1.20E-02
				Be-7	<9.38E-02	0.00E+00	9.38E-02
				K-40	6.96E-01	9.75E-02	1.87E-01
Sample ID:	278785	Sample Dates:	11/25/2013 - 12/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.94E-02	0.00E+00	2.94E-02
				Cs-134	<1.87E-02	0.00E+00	1.87E-02
				Cs-137	<1.48E-02	0.00E+00	1.48E-02
				Be-7	<1.40E-01	0.00E+00	1.40E-01
				K-40	3.76E-01	1.04E-01	2.07E-01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 61 [INDICATOR - WSW @ 0.3 miles]

Sample ID:	278856	Sample Dates:	12/2/2013 - 12/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.02E-02	0.00E+00	2.02E-02
				Cs-134	<1.53E-02	0.00E+00	1.53E-02
				Cs-137	<1.40E-02	0.00E+00	1.40E-02
				Be-7	<1.64E-01	0.00E+00	1.64E-01
				K-40	4.51E-01	1.06E-01	2.69E-01

Sample ID:	279096	Sample Dates:	12/9/2013 - 12/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.11E-02	0.00E+00	2.11E-02
				Cs-134	<1.78E-02	0.00E+00	1.78E-02
				Cs-137	<1.94E-02	0.00E+00	1.94E-02
				Be-7	<1.27E-01	0.00E+00	1.27E-01
				K-40	4.69E-01	1.17E-01	2.11E-01

Sample ID:	279724	Sample Dates:	12/16/2013 - 12/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.61E-02	0.00E+00	2.61E-02
				Cs-134	<1.57E-02	0.00E+00	1.57E-02
				Cs-137	<2.17E-02	0.00E+00	2.17E-02
				Be-7	<1.40E-01	0.00E+00	1.40E-01
				K-40	<6.15E-01	0.00E+00	6.15E-01

Sample ID:	280213	Sample Dates:	12/23/2013 - 12/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.17E-02	0.00E+00	2.17E-02
				Cs-134	<9.76E-03	0.00E+00	9.76E-03
				Cs-137	<1.12E-02	0.00E+00	1.12E-02
				Be-7	<8.87E-02	0.00E+00	8.87E-02
				K-40	5.91E-01	8.53E-02	8.82E-02

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

Sample Point 41 [CONTROL - N @ 8 miles]

Sample ID:	259476	Sample Dates:	5/30/2013 - 5/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<1.94E+01	0.00E+00	1.94E+01
				Cs-134	<7.53E+00	0.00E+00	7.53E+00
				Cs-137	<9.79E+00	0.00E+00	9.79E+00
				Be-7	<9.38E+01	0.00E+00	9.38E+01
				K-40	1.78E+03	9.81E+01	6.62E+01

Sample Point 45 [INDICATOR - @ 0 miles]

Sample ID:	259474	Sample Dates:	5/30/2013 - 5/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<3.59E+01	0.00E+00	3.59E+01
				Cs-134	<2.33E+01	0.00E+00	2.33E+01
				Cs-137	<2.22E+01	0.00E+00	2.22E+01
				Be-7	8.00E+02	1.15E+02	1.70E+02
				K-40	5.06E+02	1.18E+02	2.31E+02

Sample Point 46 [INDICATOR - @ 0 miles]

Sample ID:	259475	Sample Dates:	5/31/2013 - 5/31/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.53E+01	0.00E+00	2.53E+01
				Cs-134	<1.25E+01	0.00E+00	1.25E+01
				Cs-137	<1.38E+01	0.00E+00	1.38E+01
				Be-7	1.53E+03	9.32E+01	1.07E+02
				K-40	1.25E+03	9.48E+01	1.04E+02

Sample Point 66 [INDICATOR - @ 0 miles]

Sample ID:	259477	Sample Dates:	5/31/2013 - 5/31/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				I-131	<2.89E+01	0.00E+00	2.89E+01
				Cs-134	<1.30E+01	0.00E+00	1.30E+01
				Cs-137	<1.78E+01	0.00E+00	1.78E+01
				Be-7	5.40E+02	7.26E+01	1.14E+02
				K-40	7.40E+02	1.05E+02	1.26E+02

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

Sample Point 49 [CONTROL - W @ 10 miles]

Sample ID:	279031	Sample Dates:	11/25/2013 - 11/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype	COLLARDS
				I-131	<3.73E+01	0.00E+00	3.73E+01		

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error, results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 49 [CONTROL - W @ 10 miles]

Sample ID:	279031	Sample Dates:	11/25/2013 - 11/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype	COLLARDS
				Cs-134	<2.11E+01	0.00E+00	2.11E+01		
				Cs-137	<2.38E+01	0.00E+00	2.38E+01		
				Be-7	<1.86E+02	0.00E+00	1.86E+02		
				K-40	3.73E+03	2.53E+02	1.50E+02		

Sample Point 54 [INDICATOR - E @ 10.1 miles]

Sample ID:	264471	Sample Dates:	7/24/2013 - 7/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype	WHEAT
				I-131	<2.30E+01	0.00E+00	2.30E+01		
				Cs-134	<1.25E+01	0.00E+00	1.25E+01		
				Cs-137	<1.41E+01	0.00E+00	1.41E+01		
				Be-7	<1.34E+02	0.00E+00	1.34E+02		
				K-40	4.11E+03	2.09E+02	1.47E+02		

Sample Point 58 [INDICATOR - @ 0 miles]

Sample ID:	279030	Sample Dates:	11/25/2013 - 11/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype	COLLARDS
				I-131	<2.16E+01	0.00E+00	2.16E+01		
				Cs-134	<8.59E+00	0.00E+00	8.59E+00		
				Cs-137	<1.53E+01	0.00E+00	1.53E+01		
				Be-7	<1.31E+02	0.00E+00	1.31E+02		
				K-40	2.95E+03	1.62E+02	1.30E+02		

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

Sample Point 45 [INDICATOR - @ 0 miles]

Sample ID:	175049	Sample Dates:	5/16/2012 - 5/16/2012	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	BOTMFEEDER
				Mn-54	<1.30E+02	0.00E+00	1.30E+02		
				Co-58	<1.30E+02	0.00E+00	1.30E+02		
				Fe-59	<2.60E+02	0.00E+00	2.60E+02		
				Co-60	<1.30E+02	0.00E+00	1.30E+02		
				Zn-65	<2.60E+02	0.00E+00	2.60E+02		
				Cs-134	<1.30E+02	0.00E+00	1.30E+02		
				Cs-137	4.35E+01	2.13E+01	1.50E+02		
				K-40	3.83E+03	5.79E+02	1.50E+02		
				Bi-214	8.80E+01	3.97E+01			

Sample ID:	175050	Sample Dates:	5/16/2012 - 5/16/2012	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	FREESWIM
				Mn-54	<1.30E+02	0.00E+00	1.30E+02		
				Co-58	<1.30E+02	0.00E+00	1.30E+02		
				Fe-59	<2.60E+02	0.00E+00	2.60E+02		
				Co-60	<1.30E+02	0.00E+00	1.30E+02		
				Zn-65	<2.60E+02	0.00E+00	2.60E+02		
				Cs-134	<1.30E+02	0.00E+00	1.30E+02		
				Cs-137	4.21E+01	2.50E+01	1.50E+02		
				K-40	3.00E+03	4.99E+02			
				Pb-212	5.30E+01	2.66E+01			
				Bi-214	9.63E+01	4.19E+01			
				Pb-214	1.24E+02	4.24E+01			

Sample ID:	176986	Sample Dates:	11/12/2012 - 11/12/2012	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	BOTMFEEDER
				Mn-54	<1.30E+02	0.00E+00	1.30E+02		
				Co-58	<1.30E+02	0.00E+00	1.30E+02		
				Fe-59	<2.60E+02	0.00E+00	2.60E+02		
				Co-60	<1.30E+02	0.00E+00	1.30E+02		
				Zn-65	<2.60E+02	0.00E+00	2.60E+02		
				Cs-134	<1.30E+02	0.00E+00	1.30E+02		
				Cs-137	3.74E+01	1.42E+01	1.50E+02		
				K-40	2.51E+03	4.12E+02			

Sample ID:	176987	Sample Dates:	11/7/2012 - 11/7/2012	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	FREESWIM
				Mn-54	<1.30E+02	0.00E+00	1.30E+02		
				Co-58	<1.30E+02	0.00E+00	1.30E+02		
				Fe-59	<2.60E+02	0.00E+00	2.60E+02		
				Co-60	<1.30E+02	0.00E+00	1.30E+02		
				Zn-65	<2.60E+02	0.00E+00	2.60E+02		
				Cs-134	<1.30E+02	0.00E+00	1.30E+02		
				Cs-137	3.51E+01	1.84E+01	1.50E+02		

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error, results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 45 [INDICATOR - @ 0 miles]

Sample ID:	176987	Sample Dates:	11/7/2012 - 11/7/2012	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				K-40	4.54E+03	6.39E+02		
				Bi-214	3.88E+01	2.62E+01		

Sample Point 46 [INDICATOR - @ 0 miles]

Sample ID:	175051	Sample Dates:	5/18/2012 - 5/18/2012	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				Mn-54	<1.30E+02	0.00E+00	1.30E+02	
				Co-58	<1.30E+02	0.00E+00	1.30E+02	
				Fe-59	<2.60E+02	0.00E+00	2.60E+02	
				Co-60	<1.30E+02	0.00E+00	1.30E+02	
				Zn-65	<2.60E+02	0.00E+00	2.60E+02	
				Cs-134	<1.30E+02	0.00E+00	1.30E+02	
				Cs-137	2.77E+01	1.56E+01	1.50E+02	
				K-40	3.28E+03	4.91E+02		
				Pb-212	3.71E+01	2.12E+01		
				Bi-214	6.22E+01	3.48E+01		
				Pb-214	6.40E+01	3.22E+01		

Sample ID:	175052	Sample Dates:	5/18/2012 - 5/18/2012	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				Mn-54	<1.30E+02	0.00E+00	1.30E+02	
				Co-58	<1.30E+02	0.00E+00	1.30E+02	
				Fe-59	<2.60E+02	0.00E+00	2.60E+02	
				Co-60	<1.30E+02	0.00E+00	1.30E+02	
				Zn-65	<2.60E+02	0.00E+00	2.60E+02	
				Cs-134	<1.30E+02	0.00E+00	1.30E+02	
				Cs-137	5.21E+01	1.96E+01	1.50E+02	
				K-40	3.04E+03	5.10E+02		

Sample ID:	176988	Sample Dates:	11/8/2012 - 11/8/2012	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				Mn-54	<1.30E+02	0.00E+00	1.30E+02	
				Co-58	<1.30E+02	0.00E+00	1.30E+02	
				Fe-59	<2.60E+02	0.00E+00	2.60E+02	
				Co-60	<1.30E+02	0.00E+00	1.30E+02	
				Zn-65	<2.60E+02	0.00E+00	2.60E+02	
				Cs-134	<1.30E+02	0.00E+00	1.30E+02	
				Cs-137	1.82E+01	1.38E+01	1.50E+02	
				K-40	3.79E+03	5.88E+02		
				Tl-208	1.66E+01	1.10E+01		
				Pb-212	2.63E+01	2.00E+01		
				Bi-214	3.33E+01	2.94E+01		
				Pb-214	7.06E+01	3.13E+01		

Sample ID:	176989	Sample Dates:	11/8/2012 - 11/8/2012	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				Mn-54	<1.30E+02	0.00E+00	1.30E+02	
				Co-58	<1.30E+02	0.00E+00	1.30E+02	
				Fe-59	<2.60E+02	0.00E+00	2.60E+02	
				Co-60	<1.30E+02	0.00E+00	1.30E+02	
				Zn-65	<2.60E+02	0.00E+00	2.60E+02	
				Cs-134	<1.30E+02	0.00E+00	1.30E+02	
				Cs-137	3.52E+01	1.84E+01	1.50E+02	
				K-40	4.14E+03	5.85E+02		
				Bi-214	5.20E+01	3.02E+01		

Sample Point 47 [CONTROL - @ 0 miles]

Sample ID:	175053	Sample Dates:	5/15/2012 - 5/15/2012	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				Mn-54	<1.30E+02	0.00E+00	1.30E+02	
				Co-58	<1.30E+02	0.00E+00	1.30E+02	
				Fe-59	<2.60E+02	0.00E+00	2.60E+02	
				Co-60	<1.30E+02	0.00E+00	1.30E+02	
				Zn-65	<2.60E+02	0.00E+00	2.60E+02	
				Cs-134	<1.30E+02	0.00E+00	1.30E+02	
				Cs-137	4.20E+01	1.75E+01	1.50E+02	
				K-40	3.39E+03	5.78E+02		
				Pb-212	4.26E+01	3.00E+01		
				Bi-214	1.46E+02	4.88E+01		
				Pb-214	1.06E+02	4.34E+01		

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 47 [CONTROL - @ 0 miles]

Sample ID:	175054	Sample Dates:	5/15/2012 - 5/15/2012	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	FREESWIM
Mn-54	<1.30E+02	0.00E+00	1.30E+02						
Co-58	<1.30E+02	0.00E+00	1.30E+02						
Fe-59	<2.60E+02	0.00E+00	2.60E+02						
Co-60	<1.30E+02	0.00E+00	1.30E+02						
Zn-65	<2.60E+02	0.00E+00	2.60E+02						
Cs-134	<1.30E+02	0.00E+00	1.30E+02						
Cs-137	7.75E+01	2.54E+01	1.50E+02						
K-40	3.26E+03	5.74E+02							
Tl-208	2.35E+01	1.98E+01							
Pb-212	4.51E+01	2.91E+01							
Bi-214	1.65E+02	5.32E+01							
Pb-214	1.50E+02	4.05E+01							
Sample ID:	176990	Sample Dates:	11/8/2012 - 11/8/2012	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	BOTMFEEDER
Mn-54	<1.30E+02	0.00E+00	1.30E+02						
Co-58	<1.30E+02	0.00E+00	1.30E+02						
Fe-59	<2.60E+02	0.00E+00	2.60E+02						
Co-60	<1.30E+02	0.00E+00	1.30E+02						
Zn-65	<2.60E+02	0.00E+00	2.60E+02						
Cs-134	<1.30E+02	0.00E+00	1.30E+02						
Cs-137	3.12E+01	1.94E+01	1.50E+02						
K-40	3.27E+03	5.60E+02							
Bi-214	1.44E+02	4.35E+01							
Pb-214	1.89E+02	4.81E+01							
Sample ID:	176991	Sample Dates:	11/6/2012 - 11/6/2012	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	FREESWIM
Mn-54	<1.30E+02	0.00E+00	1.30E+02						
Co-58	<1.30E+02	0.00E+00	1.30E+02						
Fe-59	<2.60E+02	0.00E+00	2.60E+02						
Co-60	<1.30E+02	0.00E+00	1.30E+02						
Zn-65	<2.60E+02	0.00E+00	2.60E+02						
Cs-134	<1.30E+02	0.00E+00	1.30E+02						
Cs-137	4.20E+01	2.01E+01	1.50E+02						
K-40	3.42E+03	5.44E+02							
Pb-212	3.35E+01	2.68E+01							
Bi-214	9.62E+01	3.92E+01							
Pb-214	1.29E+02	3.92E+01							

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

Sample Point 42 [INDICATOR - @ 0 miles]

Sample ID:	177780	Sample Dates:	2/12/2013 - 2/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
Mn-54	<1.50E+01	0.00E+00	1.50E+01				
Co-58	<1.50E+01	0.00E+00	1.50E+01				
Fe-59	<3.00E+01	0.00E+00	3.00E+01				
Co-60	<1.50E+01	0.00E+00	1.50E+01				
Zn-65	<3.00E+01	0.00E+00	3.00E+01				
Zr-95	<1.50E+01	0.00E+00	1.50E+01				
Nb-95	<1.50E+01	0.00E+00	1.50E+01				
I-131	<1.50E+01	0.00E+00	1.50E+01				
Cs-134	<1.50E+01	0.00E+00	1.50E+01				
Cs-137	<1.80E+01	0.00E+00	1.80E+01				
BaLa-140	<1.50E+01	0.00E+00	1.50E+01				
K-40	2.14E+02	5.09E+01					
Pb-212	9.87E+00	9.06E+00					
Bi-214	3.02E+01	8.10E+00					
Pb-214	4.81E+01	8.71E+00					
Ra-226	1.48E+02	6.91E+01					
Th-234	2.87E+02	1.10E+02					
Sample ID:	177826	Sample Dates:	2/12/2013 - 2/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
			H3GW	<2.05E+02	0.00E+00	2.05E+02	
Sample ID:	258452	Sample Dates:	5/22/2013 - 5/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
Mn-54	<6.63E+00	0.00E+00	6.63E+00				
Co-58	<7.71E+00	0.00E+00	7.71E+00				
Fe-59	<1.52E+01	0.00E+00	1.52E+01				
Co-60	<1.08E+01	0.00E+00	1.08E+01				

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 42 [INDICATOR - @ 0 miles]

Sample ID:	258452	Sample Dates:	5/22/2013 - 5/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
Zn-65	<1.64E+01	0.00E+00	1.64E+01				
Zr-95	<1.25E+01	0.00E+00	1.25E+01				
Nb-95	<6.15E+00	0.00E+00	6.15E+00				
I-131	<9.68E+00	0.00E+00	9.68E+00				
Cs-134	<5.45E+00	0.00E+00	5.45E+00				
Cs-137	<5.85E+00	0.00E+00	5.85E+00				
BaLa-140	<1.31E+01	0.00E+00	1.31E+01				
Be-7	<4.97E+01	0.00E+00	4.97E+01				
K-40	1.29E+02	2.49E+01	6.86E+01				
H3GW	<1.15E+02	0.00E+00	1.88E+02				

Sample ID:	271736	Sample Dates:	8/14/2013 - 8/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
Mn-54	<1.70E+00	0.00E+00	1.70E+00				
Co-58	<2.37E+00	0.00E+00	2.37E+00				
Fe-59	<6.27E+00	0.00E+00	6.27E+00				
Co-60	<1.56E+00	0.00E+00	1.56E+00				
Zn-65	<3.94E+00	0.00E+00	3.94E+00				
Zr-95	<4.75E+00	0.00E+00	4.75E+00				
Nb-95	<4.13E+00	0.00E+00	4.13E+00				
I-131	<1.13E+02	0.00E+00	1.13E+02				
Cs-134	<1.58E+00	0.00E+00	1.58E+00				
Cs-137	<1.65E+00	0.00E+00	1.65E+00				
BaLa-140	<2.37E+01	0.00E+00	2.37E+01				
Be-7	<2.51E+01	0.00E+00	2.51E+01				
K-40	3.18E+02	1.38E+01	1.67E+01				
H3GW	<3.1E+01	0.00E+00	1.82E+02				

Sample ID:	277263	Sample Dates:	11/11/2013 - 11/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
Mn-54	<5.14E+00	0.00E+00	5.14E+00				
Co-58	<4.32E+00	0.00E+00	4.32E+00				
Fe-59	<1.23E+01	0.00E+00	1.23E+01				
Co-60	<7.01E+00	0.00E+00	7.01E+00				
Zn-65	<1.16E+01	0.00E+00	1.16E+01				
Zr-95	<9.98E+00	0.00E+00	9.98E+00				
Nb-95	<6.55E+00	0.00E+00	6.55E+00				
I-131	<8.41E+00	0.00E+00	8.41E+00				
Cs-134	<4.95E+00	0.00E+00	4.95E+00				
Cs-137	<6.28E+00	0.00E+00	6.28E+00				
BaLa-140	<6.43E+00	0.00E+00	6.43E+00				
Be-7	<3.60E+01	0.00E+00	3.60E+01				
K-40	1.22E+02	2.55E+01	4.86E+01				
H3GW	<7.76E+01	0.00E+00	1.45E+02				

Sample Point 64 [INDICATOR - SE @ 0.6 miles]

Sample ID:	177781	Sample Dates:	2/12/2013 - 2/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
Mn-54	<1.50E+01	0.00E+00	1.50E+01				
Co-58	<1.50E+01	0.00E+00	1.50E+01				
Fe-59	<3.00E+01	0.00E+00	3.00E+01				
Co-60	<1.50E+01	0.00E+00	1.50E+01				
Zn-65	<3.00E+01	0.00E+00	3.00E+01				
Zr-95	<1.50E+01	0.00E+00	1.50E+01				
Nb-95	<1.50E+01	0.00E+00	1.50E+01				
I-131	<1.50E+01	0.00E+00	1.50E+01				
Cs-134	<1.50E+01	0.00E+00	1.50E+01				
Cs-137	<1.80E+01	0.00E+00	1.80E+01				
BaLa-140	<1.50E+01	0.00E+00	1.50E+01				
K-40	4.89E+02	7.24E+01					
Bi-214	5.75E+01	1.01E+01					
Pb-214	3.89E+01	8.36E+00					
Ra-226	1.37E+02	8.49E+01					

Sample ID:	177827	Sample Dates:	2/12/2013 - 2/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
H3GW	<2.06E+02	0.00E+00	2.06E+02				

Sample ID:	258453	Sample Dates:	5/22/2013 - 5/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
Mn-54	<7.26E+00	0.00E+00	7.26E+00				
Co-58	<7.70E+00	0.00E+00	7.70E+00				

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 64 [INDICATOR - SE @ 0.6 miles]

Sample ID:	258453	Sample Dates:	5/22/2013 - 5/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Fe-59	<1.45E+01	0.00E+00	1.45E+01
				Co-60	<8.23E+00	0.00E+00	8.23E+00
				Zn-65	<1.45E+01	0.00E+00	1.45E+01
				Zr-95	<1.43E+01	0.00E+00	1.43E+01
				Nb-95	<8.45E+00	0.00E+00	8.45E+00
				I-131	<1.37E+01	0.00E+00	1.37E+01
				Cs-134	<7.57E+00	0.00E+00	7.57E+00
				Cs-137	<8.28E+00	0.00E+00	8.28E+00
				BaLa-140	<9.82E+00	0.00E+00	9.82E+00
				Be-7	<7.07E+01	0.00E+00	7.07E+01
				K-40	4.58E+02	7.06E+01	7.16E+01
				H3GW	<5.54E+01	0.00E+00	1.89E+02

Sample ID:	271737	Sample Dates:	8/14/2013 - 8/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<2.68E+00	0.00E+00	2.68E+00
				Co-58	<3.44E+00	0.00E+00	3.44E+00
				Fe-59	<9.18E+00	0.00E+00	9.18E+00
				Co-60	<3.32E+00	0.00E+00	3.32E+00
				Zn-65	<6.14E+00	0.00E+00	6.14E+00
				Zr-95	<7.02E+00	0.00E+00	7.02E+00
				Nb-95	<6.48E+00	0.00E+00	6.48E+00
				I-131	<1.16E+02	0.00E+00	1.16E+02
				Cs-134	<2.48E+00	0.00E+00	2.48E+00
				Cs-137	<2.70E+00	0.00E+00	2.70E+00
				BaLa-140	<3.00E+01	0.00E+00	3.00E+01
				Be-7	<3.68E+01	0.00E+00	3.68E+01
				K-40	2.18E+02	1.95E+01	2.50E+01
				H3GW	<2.37E+00	0.00E+00	1.80E+02

Sample ID:	277241	Sample Dates:	11/11/2013 - 11/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<5.72E+00	0.00E+00	5.72E+00
				Co-58	<6.76E+00	0.00E+00	6.76E+00
				Fe-59	<1.19E+01	0.00E+00	1.19E+01
				Co-60	<5.20E+00	0.00E+00	5.20E+00
				Zn-65	<9.81E+00	0.00E+00	9.81E+00
				Zr-95	<1.35E+01	0.00E+00	1.35E+01
				Nb-95	<7.43E+00	0.00E+00	7.43E+00
				I-131	<1.16E+01	0.00E+00	1.16E+01
				Cs-134	<6.28E+00	0.00E+00	6.28E+00
				Cs-137	<6.45E+00	0.00E+00	6.45E+00
				BaLa-140	<8.72E+00	0.00E+00	8.72E+00
				Be-7	<5.86E+01	0.00E+00	5.86E+01
				K-40	2.62E+02	5.79E+01	7.53E+01
				H3GW	<1.7E+01	0.00E+00	1.45E+02

Sample Point 68 [INDICATOR - @ 0 miles]

Sample ID:	177744	Sample Dates:	2/12/2013 - 2/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				LLI-131	<3.01E-01	0.00E+00	3.01E-01
Sample ID:	177782	Sample Dates:	2/12/2013 - 2/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				K-40	2.44E+02	4.87E+01	
				Bi-214	2.45E+01	7.52E+00	
				Pb-214	1.54E+01	6.29E+00	
				Ra-226	1.90E+02	7.13E+01	
				Th-234	1.56E+02	1.05E+02	

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 68 [INDICATOR - @ 0 miles]

Sample ID:	177828	Sample Dates:	2/12/2013 - 2/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				H3GW	5.05E+02	1.28E+02	2.04E+02
Sample ID:	258449	Sample Dates:	5/22/2013 - 5/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<7.09E+00	0.00E+00	7.09E+00
				Co-58	<7.83E+00	0.00E+00	7.83E+00
				Fe-59	<1.57E+01	0.00E+00	1.57E+01
				Co-60	<1.01E+01	0.00E+00	1.01E+01
				Zn-65	<1.55E+01	0.00E+00	1.55E+01
				Zr-95	<1.39E+01	0.00E+00	1.39E+01
				Nb-95	<8.26E+00	0.00E+00	8.26E+00
				I-131	<1.29E+01	0.00E+00	1.29E+01
				Cs-134	<7.76E+00	0.00E+00	7.76E+00
				Cs-137	<1.00E+01	0.00E+00	1.00E+01
				BaLa-140	<1.28E+01	0.00E+00	1.28E+01
				Be-7	<5.82E+01	0.00E+00	5.82E+01
				K-40	2.99E+02	3.84E+01	7.25E+01
				Be-7	<4.85E+00	0.00E+00	4.85E+00
				K-40	3.00E+01	4.80E+00	5.98E+00
				LLI-131	<6.48E-01	0.00E+00	6.48E-01
				H3GW	2.73E+02	6.16E+01	1.88E+02
Sample ID:	271733	Sample Dates:	8/19/2013 - 8/19/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<2.76E+00	0.00E+00	2.76E+00
				Co-58	<3.59E+00	0.00E+00	3.59E+00
				Fe-59	<8.75E+00	0.00E+00	8.75E+00
				Co-60	<2.89E+00	0.00E+00	2.89E+00
				Zn-65	<5.78E+00	0.00E+00	5.78E+00
				Zr-95	<6.30E+00	0.00E+00	6.30E+00
				Nb-95	<5.43E+00	0.00E+00	5.43E+00
				I-131	<6.27E+01	0.00E+00	6.27E+01
				Cs-134	<2.37E+00	0.00E+00	2.37E+00
				Cs-137	<2.83E+00	0.00E+00	2.83E+00
				BaLa-140	<2.20E+01	0.00E+00	2.20E+01
				Be-7	<3.17E+01	0.00E+00	3.17E+01
				K-40	1.96E+02	1.73E+01	2.37E+01
				Be-7	<4.19E+00	0.00E+00	4.19E+00
				K-40	1.38E+01	2.74E+00	3.44E+00
				LLI-131	<7.54E+00	0.00E+00	7.54E+00
				H3GW	<2.22E+01	0.00E+00	1.93E+02
Sample ID:	277264	Sample Dates:	11/11/2013 - 11/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<6.75E+00	0.00E+00	6.75E+00
				Co-58	<5.66E+00	0.00E+00	5.66E+00
				Fe-59	<1.25E+01	0.00E+00	1.25E+01
				Co-60	<7.11E+00	0.00E+00	7.11E+00
				Zn-65	<1.26E+01	0.00E+00	1.26E+01
				Zr-95	<1.22E+01	0.00E+00	1.22E+01
				Nb-95	<7.89E+00	0.00E+00	7.89E+00
				I-131	<1.06E+01	0.00E+00	1.06E+01
				Cs-134	<5.36E+00	0.00E+00	5.36E+00
				Cs-137	<6.58E+00	0.00E+00	6.58E+00
				BaLa-140	<9.31E+00	0.00E+00	9.31E+00
				Be-7	<5.73E+01	0.00E+00	5.73E+01
				K-40	2.61E+02	4.34E+01	6.22E+01
				Be-7	<2.87E+00	0.00E+00	2.87E+00
				K-40	2.25E+01	2.86E+00	4.07E+00
				LLI-131	<6.27E-01	0.00E+00	6.27E-01
				H3GW	2.21E+02	4.81E+01	1.45E+02

Sample Point 69 [INDICATOR - @ 0 miles]

Sample ID:	177783	Sample Dates:	2/12/2013 - 2/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error, results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 69 [INDICATOR - @ 0 miles]

Sample ID:	177783	Sample Dates:	2/12/2013 - 2/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				K-40	4.43E+02	6.30E+01	
				Pb-212	1.34E+01	6.32E+00	
				Bi-214	2.54E+01	7.60E+00	
				Pb-214	3.22E+01	8.33E+00	
				Ra-226	1.56E+02	8.12E+01	
Sample ID:	177829	Sample Dates:	2/12/2013 - 2/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				H3GW	<2.05E+02	0.00E+00	2.05E+02
Sample ID:	258450	Sample Dates:	5/22/2013 - 5/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<9.26E+00	0.00E+00	9.26E+00
				Co-58	<7.30E+00	0.00E+00	7.30E+00
				Fe-59	<2.40E+01	0.00E+00	2.40E+01
				Co-60	<1.28E+01	0.00E+00	1.28E+01
				Zn-65	<2.29E+01	0.00E+00	2.29E+01
				Zr-95	<1.42E+01	0.00E+00	1.42E+01
				Nb-95	<1.08E+01	0.00E+00	1.08E+01
				I-131	<1.44E+01	0.00E+00	1.44E+01
				Cs-134	<6.66E+00	0.00E+00	6.66E+00
				Cs-137	<1.09E+01	0.00E+00	1.09E+01
				BaLa-140	<1.45E+01	0.00E+00	1.45E+01
				Be-7	<6.89E+01	0.00E+00	6.89E+01
				K-40	<1.78E+02	0.00E+00	1.78E+02
				H3GW	<4.57E+01	0.00E+00	1.89E+02
Sample ID:	271734	Sample Dates:	8/14/2013 - 8/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<2.65E+00	0.00E+00	2.65E+00
				Co-58	<3.36E+00	0.00E+00	3.36E+00
				Fe-59	<8.84E+00	0.00E+00	8.84E+00
				Co-60	<3.16E+00	0.00E+00	3.16E+00
				Zn-65	<6.22E+00	0.00E+00	6.22E+00
				Zr-95	<6.50E+00	0.00E+00	6.50E+00
				Nb-95	<5.81E+00	0.00E+00	5.81E+00
				I-131	<1.07E+02	0.00E+00	1.07E+02
				Cs-134	<2.28E+00	0.00E+00	2.28E+00
				Cs-137	<2.90E+00	0.00E+00	2.90E+00
				BaLa-140	<3.20E+01	0.00E+00	3.20E+01
				Be-7	<3.46E+01	0.00E+00	3.46E+01
				K-40	2.30E+02	1.86E+01	2.49E+01
				H3GW	<9.82E+00	0.00E+00	1.93E+02
Sample ID:	277265	Sample Dates:	11/11/2013 - 11/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<6.02E+00	0.00E+00	6.02E+00
				Co-58	<6.14E+00	0.00E+00	6.14E+00
				Fe-59	<1.04E+01	0.00E+00	1.04E+01
				Co-60	<6.49E+00	0.00E+00	6.49E+00
				Zn-65	<1.46E+01	0.00E+00	1.46E+01
				Zr-95	<1.16E+01	0.00E+00	1.16E+01
				Nb-95	<7.82E+00	0.00E+00	7.82E+00
				I-131	<1.08E+01	0.00E+00	1.08E+01
				Cs-134	<5.40E+00	0.00E+00	5.40E+00
				Cs-137	<7.18E+00	0.00E+00	7.18E+00
				BaLa-140	<1.30E+01	0.00E+00	1.30E+01
				Be-7	<4.85E+01	0.00E+00	4.85E+01
				K-40	1.68E+02	3.25E+01	7.37E+01
				H3GW	<2.09E+01	0.00E+00	1.45E+02

Sample Point 70 [INDICATOR - @ 0 miles]

Sample ID:	177784	Sample Dates:	2/12/2013 - 2/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 70 [INDICATOR - @ 0 miles]

Sample ID:	177784	Sample Dates:	2/12/2013 - 2/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				K-40	1.92E+02	4.90E+01	
				Bi-214	3.60E+01	8.22E+00	
				Pb-214	3.57E+01	8.50E+00	
				Ra-226	1.91E+02	6.55E+01	
				Th-234	1.15E+02	9.63E+01	
Sample ID:	177830	Sample Dates:	2/13/2013 - 2/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				H3GW	<2.05E+02	0.00E+00	2.05E+02
Sample ID:	258451	Sample Dates:	5/22/2013 - 5/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<7.04E+00	0.00E+00	7.04E+00
				Co-58	<7.73E+00	0.00E+00	7.73E+00
				Fe-59	<1.73E+01	0.00E+00	1.73E+01
				Co-60	<8.88E+00	0.00E+00	8.88E+00
				Zn-65	<1.68E+01	0.00E+00	1.68E+01
				Zr-95	<1.28E+01	0.00E+00	1.28E+01
				Nb-95	<8.05E+00	0.00E+00	8.05E+00
				I-131	<1.13E+01	0.00E+00	1.13E+01
				Cs-134	<7.12E+00	0.00E+00	7.12E+00
				Cs-137	<9.36E+00	0.00E+00	9.36E+00
				BaLa-140	<1.37E+01	0.00E+00	1.37E+01
				Be-7	<7.12E+01	0.00E+00	7.12E+01
				K-40	3.63E+02	4.56E+01	6.62E+01
				H3GW	<1.20E+01	0.00E+00	1.88E+02
Sample ID:	271735	Sample Dates:	8/14/2013 - 8/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<2.42E+00	0.00E+00	2.42E+00
				Co-58	<3.46E+00	0.00E+00	3.46E+00
				Fe-59	<8.46E+00	0.00E+00	8.46E+00
				Co-60	<2.97E+00	0.00E+00	2.97E+00
				Zn-65	<5.23E+00	0.00E+00	5.23E+00
				Zr-95	<5.92E+00	0.00E+00	5.92E+00
				Nb-95	<5.27E+00	0.00E+00	5.27E+00
				I-131	<9.40E+01	0.00E+00	9.40E+01
				Cs-134	<2.07E+00	0.00E+00	2.07E+00
				Cs-137	<2.27E+00	0.00E+00	2.27E+00
				BaLa-140	<3.10E+01	0.00E+00	3.10E+01
				Be-7	<2.95E+01	0.00E+00	2.95E+01
				K-40	<4.97E+01	0.00E+00	4.97E+01
				H3GW	<6.1E+01	0.00E+00	1.92E+02
Sample ID:	277266	Sample Dates:	11/11/2013 - 11/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<7.12E+00	0.00E+00	7.12E+00
				Co-58	<7.82E+00	0.00E+00	7.82E+00
				Fe-59	<1.81E+01	0.00E+00	1.81E+01
				Co-60	<8.04E+00	0.00E+00	8.04E+00
				Zn-65	<1.93E+01	0.00E+00	1.93E+01
				Zr-95	<1.32E+01	0.00E+00	1.32E+01
				Nb-95	<8.64E+00	0.00E+00	8.64E+00
				I-131	<1.32E+01	0.00E+00	1.32E+01
				Cs-134	<8.04E+00	0.00E+00	8.04E+00
				Cs-137	<7.88E+00	0.00E+00	7.88E+00
				BaLa-140	<1.31E+01	0.00E+00	1.31E+01
				Be-7	<6.40E+01	0.00E+00	6.40E+01
				K-40	2.85E+02	4.92E+01	6.86E+01
				H3GW	<1.5E+01	0.00E+00	1.45E+02

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 71 [INDICATOR - NNW @ 0.87 miles]

Sample ID:	177785	Sample Dates:	2/12/2013 - 2/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				K-40	5.61E+02	7.60E+01	
				Pb-212	1.66E+01	1.27E+01	
				Bi-214	2.81E+01	8.09E+00	
				Pb-214	2.49E+01	9.10E+00	
Sample ID:	177831	Sample Dates:	2/12/2013 - 2/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				H3GW	8.16E+02	1.32E+02	2.05E+02
Sample ID:	258442	Sample Dates:	5/14/2013 - 5/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<3.48E+00	0.00E+00	3.48E+00
				Co-58	<3.39E+00	0.00E+00	3.39E+00
				Fe-59	<7.86E+00	0.00E+00	7.86E+00
				Co-60	<3.06E+00	0.00E+00	3.06E+00
				Zn-65	<6.96E+00	0.00E+00	6.96E+00
				Zr-95	<6.70E+00	0.00E+00	6.70E+00
				Nb-95	<4.66E+00	0.00E+00	4.66E+00
				I-131	<1.42E+01	0.00E+00	1.42E+01
				Cs-134	<3.39E+00	0.00E+00	3.39E+00
				Cs-137	<3.45E+00	0.00E+00	3.45E+00
				BaLa-140	<7.76E+00	0.00E+00	7.76E+00
				Be-7	<3.70E+01	0.00E+00	3.70E+01
				K-40	5.81E+02	2.85E+01	2.89E+01
				H3GW	5.47E+02	6.62E+01	1.89E+02
Sample ID:	271727	Sample Dates:	8/13/2013 - 8/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<9.55E-01	0.00E+00	9.55E-01
				Co-58	<1.28E+00	0.00E+00	1.28E+00
				Fe-59	<3.12E+00	0.00E+00	3.12E+00
				Co-60	<8.79E-01	0.00E+00	8.79E-01
				Zn-65	<2.14E+00	0.00E+00	2.14E+00
				Zr-95	<2.42E+00	0.00E+00	2.42E+00
				Nb-95	<2.29E+00	0.00E+00	2.29E+00
				I-131	<4.50E+01	0.00E+00	4.50E+01
				Cs-134	<8.97E-01	0.00E+00	8.97E-01
				Cs-137	<9.43E-01	0.00E+00	9.43E-01
				BaLa-140	<1.03E+01	0.00E+00	1.03E+01
				Be-7	<1.41E+01	0.00E+00	1.41E+01
				K-40	1.60E+02	6.72E+00	8.64E+00
				H3GW	<7.59E+01	0.00E+00	1.85E+02
Sample ID:	277242	Sample Dates:	11/12/2013 - 11/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<7.31E+00	0.00E+00	7.31E+00
				Co-58	<3.73E+00	0.00E+00	3.73E+00
				Fe-59	<1.50E+01	0.00E+00	1.50E+01
				Co-60	<7.42E+00	0.00E+00	7.42E+00
				Zn-65	<1.38E+01	0.00E+00	1.38E+01
				Zr-95	<1.35E+01	0.00E+00	1.35E+01
				Nb-95	<6.56E+00	0.00E+00	6.56E+00
				I-131	<1.08E+01	0.00E+00	1.08E+01
				Cs-134	<6.83E+00	0.00E+00	6.83E+00
				Cs-137	<8.33E+00	0.00E+00	8.33E+00
				BaLa-140	<8.43E+00	0.00E+00	8.43E+00
				Be-7	<5.48E+01	0.00E+00	5.48E+01
				K-40	9.70E+01	2.35E+01	8.24E+01
				H3GW	<1.37E+02	0.00E+00	1.44E+02

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 72 [INDICATOR - E @ 0.1 miles]

Sample ID:	177786	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				K-40	2.74E+02	5.73E+01	
				Tl-208	1.15E+01	3.92E+00	
				Pb-212	4.01E+01	1.41E+01	
				Bi-214	4.92E+01	9.91E+00	
				Pb-214	6.31E+01	9.94E+00	
				Ra-226	2.30E+02	7.60E+01	
				Ac-228	2.90E+01	1.45E+01	
				Th-234	1.42E+02	1.18E+02	
Sample ID:	177832	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				H3GW	3.61E+02	1.28E+02	2.05E+02
Sample ID:	258446	Sample Dates:	5/15/2013 - 5/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<3.22E+00	0.00E+00	3.22E+00
				Co-58	<3.70E+00	0.00E+00	3.70E+00
				Fe-59	<7.73E+00	0.00E+00	7.73E+00
				Co-60	<3.58E+00	0.00E+00	3.58E+00
				Zn-65	<6.64E+00	0.00E+00	6.64E+00
				Zr-95	<6.30E+00	0.00E+00	6.30E+00
				Nb-95	<4.59E+00	0.00E+00	4.59E+00
				I-131	<1.18E+01	0.00E+00	1.18E+01
				Cs-134	<2.97E+00	0.00E+00	2.97E+00
				Cs-137	<3.43E+00	0.00E+00	3.43E+00
				BaLa-140	<1.13E+01	0.00E+00	1.13E+01
				Be-7	<2.90E+01	0.00E+00	2.90E+01
				K-40	1.32E+02	2.07E+01	3.62E+01
				H3GW	2.34E+02	6.08E+01	1.87E+02
Sample ID:	271729	Sample Dates:	8/14/2013 - 8/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.89E+00	0.00E+00	1.89E+00
				Co-58	<2.86E+00	0.00E+00	2.86E+00
				Fe-59	<7.66E+00	0.00E+00	7.66E+00
				Co-60	<1.77E+00	0.00E+00	1.77E+00
				Zn-65	<4.44E+00	0.00E+00	4.44E+00
				Zr-95	<5.40E+00	0.00E+00	5.40E+00
				Nb-95	<5.13E+00	0.00E+00	5.13E+00
				I-131	<1.96E+02	0.00E+00	1.96E+02
				Cs-134	<1.78E+00	0.00E+00	1.78E+00
				Cs-137	<1.72E+00	0.00E+00	1.72E+00
				BaLa-140	<3.44E+01	0.00E+00	3.44E+01
				Be-7	<2.97E+01	0.00E+00	2.97E+01
				K-40	2.90E+02	1.71E+01	1.79E+01
				H3GW	<3.44E+01	0.00E+00	1.93E+02
Sample ID:	277243	Sample Dates:	11/13/2013 - 11/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<7.16E+00	0.00E+00	7.16E+00
				Co-58	<6.65E+00	0.00E+00	6.65E+00
				Fe-59	<1.36E+01	0.00E+00	1.36E+01
				Co-60	<7.73E+00	0.00E+00	7.73E+00
				Zn-65	<1.40E+01	0.00E+00	1.40E+01
				Zr-95	<1.38E+01	0.00E+00	1.38E+01
				Nb-95	<7.58E+00	0.00E+00	7.58E+00
				I-131	<9.73E+00	0.00E+00	9.73E+00
				Cs-134	<6.67E+00	0.00E+00	6.67E+00
				Cs-137	<7.30E+00	0.00E+00	7.30E+00
				BaLa-140	<1.12E+01	0.00E+00	1.12E+01
				Be-7	<5.69E+01	0.00E+00	5.69E+01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error, results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 72 [INDICATOR - E @ 0.1 miles]

Sample ID:	277243	Sample Dates:	11/13/2013 - 11/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				K-40	2.88E+02	4.66E+01	8.38E+01
				H3GW	1.91E+02	4.74E+01	1.44E+02

Sample Point 73 [INDICATOR - ENE @ 0.11 miles]

Sample ID:	177792	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				K-40	5.54E+02	7.95E+01	
				Bi-214	3.42E+01	9.50E+00	
				Pb-214	3.43E+01	8.43E+00	
				Ra-226	8.60E+01	8.02E+01	

Sample ID:	177833	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				H3GW	6.98E+02	1.31E+02	2.06E+02

Sample ID:	258448	Sample Dates:	5/14/2013 - 5/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<4.03E+00	0.00E+00	4.03E+00
				Co-58	<4.65E+00	0.00E+00	4.65E+00
				Fe-59	<1.02E+01	0.00E+00	1.02E+01
				Co-60	<4.07E+00	0.00E+00	4.07E+00
				Zn-65	<8.94E+00	0.00E+00	8.94E+00
				Zr-95	<8.27E+00	0.00E+00	8.27E+00
				Nb-95	<5.22E+00	0.00E+00	5.22E+00
				I-131	<1.45E+01	0.00E+00	1.45E+01
				Cs-134	<4.38E+00	0.00E+00	4.38E+00
				Cs-137	<4.17E+00	0.00E+00	4.17E+00
				BaLa-140	<8.90E+00	0.00E+00	8.90E+00
				Be-7	<3.96E+01	0.00E+00	3.96E+01
				K-40	4.11E+02	2.87E+01	3.98E+01
				H3GW	4.00E+02	6.39E+01	1.89E+02

Sample ID:	271724	Sample Dates:	8/14/2013 - 8/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<2.31E+00	0.00E+00	2.31E+00
				Co-58	<3.42E+00	0.00E+00	3.42E+00
				Fe-59	<8.90E+00	0.00E+00	8.90E+00
				Co-60	<2.57E+00	0.00E+00	2.57E+00
				Zn-65	<4.95E+00	0.00E+00	4.95E+00
				Zr-95	<5.92E+00	0.00E+00	5.92E+00
				Nb-95	<5.13E+00	0.00E+00	5.13E+00
				I-131	<9.89E+01	0.00E+00	9.89E+01
				Cs-134	<2.02E+00	0.00E+00	2.02E+00
				Cs-137	<2.25E+00	0.00E+00	2.25E+00
				BaLa-140	<2.80E+01	0.00E+00	2.80E+01
				Be-7	<3.48E+01	0.00E+00	3.48E+01
				K-40	1.18E+02	1.87E+01	2.32E+01
				H3GW	<8.10E+01	0.00E+00	1.85E+02

Sample ID:	277249	Sample Dates:	11/13/2013 - 11/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<7.16E+00	0.00E+00	7.16E+00
				Co-58	<6.00E+00	0.00E+00	6.00E+00
				Fe-59	<1.19E+01	0.00E+00	1.19E+01
				Co-60	<6.99E+00	0.00E+00	6.99E+00
				Zn-65	<1.36E+01	0.00E+00	1.36E+01
				Zr-95	<1.30E+01	0.00E+00	1.30E+01
				Nb-95	<7.21E+00	0.00E+00	7.21E+00
				I-131	<9.99E+00	0.00E+00	9.99E+00
				Cs-134	<6.68E+00	0.00E+00	6.68E+00
				Cs-137	<7.55E+00	0.00E+00	7.55E+00

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error, results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 73 [INDICATOR - ENE @ 0.11 miles]

Sample ID:	277249	Sample Dates:	11/13/2013 - 11/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				BaLa-140	<9.68E+00	0.00E+00	9.68E+00
				Be-7	<6.41E+01	0.00E+00	6.41E+01
				K-40	3.24E+02	5.57E+01	6.44E+01
				H3GW	<1.39E+02	0.00E+00	1.44E+02

Sample Point 75 [INDICATOR - NE @ 0.05 miles]

Sample ID:	177793	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				K-40	2.44E+02	5.15E+01	
				Tl-208	3.87E+00	2.84E+00	
				Pb-212	7.82E+00	2.68E+00	
				Bi-214	3.94E+01	8.81E+00	
				Pb-214	4.21E+01	8.67E+00	
				Ra-226	2.10E+02	6.34E+01	
				Th-234	2.10E+02	1.19E+02	

Sample ID:	177834	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				H3GW	3.47E+02	1.28E+02	2.05E+02

Sample ID:	258447	Sample Dates:	5/14/2013 - 5/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<5.73E+00	0.00E+00	5.73E+00
				Co-58	<5.08E+00	0.00E+00	5.08E+00
				Fe-59	<1.06E+01	0.00E+00	1.06E+01
				Co-60	<7.19E+00	0.00E+00	7.19E+00
				Zn-65	<1.12E+01	0.00E+00	1.12E+01
				Zr-95	<9.48E+00	0.00E+00	9.48E+00
				Nb-95	<5.38E+00	0.00E+00	5.38E+00
				I-131	<1.40E+01	0.00E+00	1.40E+01
				Cs-134	<4.09E+00	0.00E+00	4.09E+00
				Cs-137	<4.82E+00	0.00E+00	4.82E+00
				BaLa-140	<1.08E+01	0.00E+00	1.08E+01
				Be-7	<3.76E+01	0.00E+00	3.76E+01
				K-40	1.24E+02	2.23E+01	5.06E+01
				H3GW	<1.40E+02	0.00E+00	1.90E+02

Sample ID:	271723	Sample Dates:	8/14/2013 - 8/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.79E+00	0.00E+00	1.79E+00
				Co-58	<2.37E+00	0.00E+00	2.37E+00
				Fe-59	<6.10E+00	0.00E+00	6.10E+00
				Co-60	<1.72E+00	0.00E+00	1.72E+00
				Zn-65	<3.57E+00	0.00E+00	3.57E+00
				Zr-95	<4.52E+00	0.00E+00	4.52E+00
				Nb-95	<3.90E+00	0.00E+00	3.90E+00
				I-131	<9.77E+01	0.00E+00	9.77E+01
				Cs-134	<1.57E+00	0.00E+00	1.57E+00
				Cs-137	<1.55E+00	0.00E+00	1.55E+00
				BaLa-140	<2.04E+01	0.00E+00	2.04E+01
				Be-7	<2.51E+01	0.00E+00	2.51E+01
				K-40	3.18E+02	1.48E+01	1.47E+01
				H3GW	<9.21E+01	0.00E+00	1.84E+02

Sample ID:	277256	Sample Dates:	11/13/2013 - 11/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<6.01E+00	0.00E+00	6.01E+00
				Co-58	<6.34E+00	0.00E+00	6.34E+00
				Fe-59	<1.10E+01	0.00E+00	1.10E+01
				Co-60	<6.93E+00	0.00E+00	6.93E+00
				Zn-65	<1.44E+01	0.00E+00	1.44E+01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 75 [INDICATOR - NE @ 0.05 miles]

Sample ID:	277256	Sample Dates:	11/13/2013 - 11/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Zr-95	<1.15E+01	0.00E+00	1.15E+01
				Nb-95	<7.09E+00	0.00E+00	7.09E+00
				I-131	<8.86E+00	0.00E+00	8.86E+00
				Cs-134	<5.58E+00	0.00E+00	5.58E+00
				Cs-137	<5.97E+00	0.00E+00	5.97E+00
				BaLa-140	<6.36E+00	0.00E+00	6.36E+00
				Be-7	<4.81E+01	0.00E+00	4.81E+01
				K-40	1.18E+02	3.77E+01	6.75E+01
				H3GW	1.65E+02	4.70E+01	1.45E+02

Sample Point 76 [INDICATOR - N @ 0.49 miles]

Sample ID:	177794	Sample Dates:	2/12/2013 - 2/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				K-40	2.10E+02	4.67E+01	
				Tl-208	3.61E+00	2.84E+00	
				Pb-212	7.88E+00	3.18E+00	
				Bi-214	3.23E+01	8.08E+00	
				Pb-214	3.68E+01	8.01E+00	
				Ra-226	1.81E+02	6.83E+01	
				Th-234	2.08E+02	1.06E+02	

Sample ID:	177835	Sample Dates:	2/12/2013 - 2/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				H3GW	2.27E+02	1.27E+02	2.06E+02

Sample ID:	258443	Sample Dates:	5/14/2013 - 5/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<3.29E+00	0.00E+00	3.29E+00
				Co-58	<3.47E+00	0.00E+00	3.47E+00
				Fe-59	<8.27E+00	0.00E+00	8.27E+00
				Co-60	<4.68E+00	0.00E+00	4.68E+00
				Zn-65	<6.38E+00	0.00E+00	6.38E+00
				Zr-95	<7.18E+00	0.00E+00	7.18E+00
				Nb-95	<4.27E+00	0.00E+00	4.27E+00
				I-131	<1.31E+01	0.00E+00	1.31E+01
				Cs-134	<3.23E+00	0.00E+00	3.23E+00
				Cs-137	<3.50E+00	0.00E+00	3.50E+00
				BaLa-140	<8.00E+00	0.00E+00	8.00E+00
				Be-7	<3.28E+01	0.00E+00	3.28E+01
				K-40	1.31E+02	2.07E+01	3.09E+01
				H3GW	<1.09E+02	0.00E+00	1.90E+02

Sample ID:	271732	Sample Dates:	8/14/2013 - 8/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<2.16E+00	0.00E+00	2.16E+00
				Co-58	<3.11E+00	0.00E+00	3.11E+00
				Fe-59	<8.52E+00	0.00E+00	8.52E+00
				Co-60	<2.84E+00	0.00E+00	2.84E+00
				Zn-65	<5.20E+00	0.00E+00	5.20E+00
				Zr-95	<5.38E+00	0.00E+00	5.38E+00
				Nb-95	<5.02E+00	0.00E+00	5.02E+00
				I-131	<8.85E+01	0.00E+00	8.85E+01
				Cs-134	<1.92E+00	0.00E+00	1.92E+00
				Cs-137	<2.37E+00	0.00E+00	2.37E+00
				BaLa-140	<2.82E+01	0.00E+00	2.82E+01
				Be-7	<2.99E+01	0.00E+00	2.99E+01
				K-40	1.32E+02	1.69E+01	1.85E+01
				H3GW	<5.9E+01	0.00E+00	1.93E+02

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 76 [INDICATOR - N @ 0.49 miles]

Sample ID:	277257	Sample Dates:	11/13/2013 - 11/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<8.01E+00	0.00E+00	8.01E+00
				Co-58	<6.17E+00	0.00E+00	6.17E+00
				Fe-59	<1.62E+01	0.00E+00	1.62E+01
				Co-60	<6.26E+00	0.00E+00	6.26E+00
				Zn-65	<1.40E+01	0.00E+00	1.40E+01
				Zr-95	<1.21E+01	0.00E+00	1.21E+01
				Nb-95	<8.84E+00	0.00E+00	8.84E+00
				I-131	<1.12E+01	0.00E+00	1.12E+01
				Cs-134	<6.33E+00	0.00E+00	6.33E+00
				Cs-137	<7.99E+00	0.00E+00	7.99E+00
				BaLa-140	<1.17E+01	0.00E+00	1.17E+01
				Be-7	<6.40E+01	0.00E+00	6.40E+01
				K-40	<1.23E+02	0.00E+00	1.23E+02
				H3GW	<3.55E+01	0.00E+00	1.45E+02

Sample Point 77 [INDICATOR - SSE @ 0.25 miles]

Sample ID:	177795	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				K-40	5.83E+02	7.90E+01	
				Tl-208	3.20E+01	5.51E+00	
				Bi-212	6.15E+01	3.26E+01	
				Pb-212	1.02E+02	9.23E+00	
				Bi-214	5.74E+01	9.53E+00	
				Pb-214	4.64E+01	1.00E+01	
				Ra-226	2.04E+02	9.75E+01	
				Ac-228	2.42E+01	1.34E+01	

Sample ID:	177836	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				H3GW	4.18E+02	1.28E+02	2.05E+02

Sample ID:	258444	Sample Dates:	5/15/2013 - 5/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<3.81E+00	0.00E+00	3.81E+00
				Co-58	<4.22E+00	0.00E+00	4.22E+00
				Fe-59	<8.26E+00	0.00E+00	8.26E+00
				Co-60	<5.00E+00	0.00E+00	5.00E+00
				Zn-65	<8.54E+00	0.00E+00	8.54E+00
				Zr-95	<7.83E+00	0.00E+00	7.83E+00
				Nb-95	<5.00E+00	0.00E+00	5.00E+00
				I-131	<1.18E+01	0.00E+00	1.18E+01
				Cs-134	<3.86E+00	0.00E+00	3.86E+00
				Cs-137	<4.51E+00	0.00E+00	4.51E+00
				BaLa-140	<8.36E+00	0.00E+00	8.36E+00
				Be-7	<3.48E+01	0.00E+00	3.48E+01
				K-40	3.66E+02	3.62E+01	3.96E+01
				H3GW	<1.32E+02	0.00E+00	1.80E+02

Sample ID:	271731	Sample Dates:	8/14/2013 - 8/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<2.35E+00	0.00E+00	2.35E+00
				Co-58	<3.32E+00	0.00E+00	3.32E+00
				Fe-59	<7.97E+00	0.00E+00	7.97E+00
				Co-60	<2.81E+00	0.00E+00	2.81E+00
				Zn-65	<5.10E+00	0.00E+00	5.10E+00
				Zr-95	<6.75E+00	0.00E+00	6.75E+00
				Nb-95	<5.56E+00	0.00E+00	5.56E+00
				I-131	<1.25E+02	0.00E+00	1.25E+02
				Cs-134	<2.24E+00	0.00E+00	2.24E+00
				Cs-137	<2.40E+00	0.00E+00	2.40E+00

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 77 [INDICATOR - SSE @ 0.25 miles]

Sample ID:	271731	Sample Dates:	8/14/2013 - 8/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				BaLa-140	<3.01E+01	0.00E+00	3.01E+01
				Be-7	<3.02E+01	0.00E+00	3.02E+01
				K-40	1.06E+02	1.37E+01	2.26E+01
				H3GW	<8.55E+01	0.00E+00	1.92E+02

Sample ID:	277259	Sample Dates:	11/13/2013 - 11/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<6.39E+00	0.00E+00	6.39E+00
				Co-58	<6.65E+00	0.00E+00	6.65E+00
				Fe-59	<1.75E+01	0.00E+00	1.75E+01
				Co-60	<9.09E+00	0.00E+00	9.09E+00
				Zn-65	<1.45E+01	0.00E+00	1.45E+01
				Zr-95	<1.33E+01	0.00E+00	1.33E+01
				Nb-95	<6.78E+00	0.00E+00	6.78E+00
				I-131	<1.07E+01	0.00E+00	1.07E+01
				Cs-134	<6.18E+00	0.00E+00	6.18E+00
				Cs-137	<8.18E+00	0.00E+00	8.18E+00
				BaLa-140	<8.40E+00	0.00E+00	8.40E+00
				Be-7	<5.67E+01	0.00E+00	5.67E+01
				K-40	2.28E+02	3.61E+01	4.28E+01
				H3GW	<7.19E+01	0.00E+00	2.18E+02

Sample Point 78 [INDICATOR - SSE @ 0.17 miles]

Sample ID:	177796	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				K-40	2.06E+02	4.97E+01	
				Tl-208	1.79E+01	4.12E+00	
				Pb-212	4.93E+01	7.80E+00	
				Bi-214	2.77E+01	8.38E+00	
				Pb-214	3.18E+01	8.55E+00	
				Ra-226	2.82E+02	7.58E+01	
				Ac-228	6.25E+01	1.55E+01	
				Th-234	2.59E+02	1.14E+02	

Sample ID:	177837	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				H3GW	4.60E+02	1.28E+02	2.05E+02

Sample ID:	258445	Sample Dates:	5/15/2013 - 5/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<4.72E+00	0.00E+00	4.72E+00
				Co-58	<4.02E+00	0.00E+00	4.02E+00
				Fe-59	<1.04E+01	0.00E+00	1.04E+01
				Co-60	<5.02E+00	0.00E+00	5.02E+00
				Zn-65	<9.96E+00	0.00E+00	9.96E+00
				Zr-95	<9.12E+00	0.00E+00	9.12E+00
				Nb-95	<4.93E+00	0.00E+00	4.93E+00
				I-131	<1.42E+01	0.00E+00	1.42E+01
				Cs-134	<4.31E+00	0.00E+00	4.31E+00
				Cs-137	<4.60E+00	0.00E+00	4.60E+00
				BaLa-140	<9.01E+00	0.00E+00	9.01E+00
				Be-7	<4.16E+01	0.00E+00	4.16E+01
				K-40	3.76E+02	3.56E+01	4.44E+01
				H3GW	<1.59E+02	0.00E+00	1.82E+02

Sample ID:	271726	Sample Dates:	8/14/2013 - 8/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<2.60E+00	0.00E+00	2.60E+00
				Co-58	<3.74E+00	0.00E+00	3.74E+00
				Fe-59	<9.34E+00	0.00E+00	9.34E+00
				Co-60	<2.54E+00	0.00E+00	2.54E+00

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 78 [INDICATOR - SSE @ 0.17 miles]

Sample ID:	271726	Sample Dates:	8/14/2013 - 8/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
Zn-65	<6.07E+00	0.00E+00	6.07E+00				
Zr-95	<6.56E+00	0.00E+00	6.56E+00				
Nb-95	<6.88E+00	0.00E+00	6.88E+00				
I-131	<1.49E+02	0.00E+00	1.49E+02				
Cs-134	<2.42E+00	0.00E+00	2.42E+00				
Cs-137	<2.63E+00	0.00E+00	2.63E+00				
BaLa-140	<3.77E+01	0.00E+00	3.77E+01				
Be-7	<3.58E+01	0.00E+00	3.58E+01				
K-40	1.80E+02	2.02E+01	2.41E+01				
H3GW	1.95E+02	5.94E+01	1.85E+02				

Sample ID:	277260	Sample Dates:	11/13/2013 - 11/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
Mn-54	<7.88E+00	0.00E+00	7.88E+00				
Co-58	<5.78E+00	0.00E+00	5.78E+00				
Fe-59	<1.57E+01	0.00E+00	1.57E+01				
Co-60	<8.24E+00	0.00E+00	8.24E+00				
Zn-65	<1.55E+01	0.00E+00	1.55E+01				
Zr-95	<1.26E+01	0.00E+00	1.26E+01				
Nb-95	<8.04E+00	0.00E+00	8.04E+00				
I-131	<1.08E+01	0.00E+00	1.08E+01				
Cs-134	<6.07E+00	0.00E+00	6.07E+00				
Cs-137	<7.07E+00	0.00E+00	7.07E+00				
BaLa-140	<9.53E+00	0.00E+00	9.53E+00				
Be-7	<5.90E+01	0.00E+00	5.90E+01				
K-40	2.89E+02	5.78E+01	8.29E+01				
H3GW	2.69E+02	7.04E+01	2.16E+02				

Sample Point 79 [INDICATOR - N @ 1 miles]

Sample ID:	177797	Sample Dates:	2/12/2013 - 2/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
Mn-54	<1.50E+01	0.00E+00	1.50E+01				
Co-58	<1.50E+01	0.00E+00	1.50E+01				
Fe-59	<3.00E+01	0.00E+00	3.00E+01				
Co-60	<1.50E+01	0.00E+00	1.50E+01				
Zn-65	<3.00E+01	0.00E+00	3.00E+01				
Zr-95	<1.50E+01	0.00E+00	1.50E+01				
Nb-95	<1.50E+01	0.00E+00	1.50E+01				
I-131	<1.50E+01	0.00E+00	1.50E+01				
Cs-134	<1.50E+01	0.00E+00	1.50E+01				
Cs-137	<1.80E+01	0.00E+00	1.80E+01				
BaLa-140	<1.50E+01	0.00E+00	1.50E+01				
K-40	4.47E+02	6.79E+01					
Tl-208	8.24E+00	3.23E+00					
Pb-212	2.04E+01	5.66E+00					
Bi-214	2.63E+01	7.48E+00					
Pb-214	2.04E+01	8.02E+00					
Ra-226	1.48E+02	7.45E+01					
Ac-228	2.44E+01	1.16E+01					
Th-234	2.48E+02	1.22E+02					

Sample ID:	177838	Sample Dates:	2/12/2013 - 2/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				H3GW	1.69E+03	1.39E+02	2.05E+02

Sample ID:	258441	Sample Dates:	5/14/2013 - 5/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
Mn-54	<2.94E+00	0.00E+00	2.94E+00				
Co-58	<3.10E+00	0.00E+00	3.10E+00				
Fe-59	<6.29E+00	0.00E+00	6.29E+00				
Co-60	<3.41E+00	0.00E+00	3.41E+00				
Zn-65	<5.82E+00	0.00E+00	5.82E+00				
Zr-95	<5.04E+00	0.00E+00	5.04E+00				
Nb-95	<3.63E+00	0.00E+00	3.63E+00				
I-131	<1.16E+01	0.00E+00	1.16E+01				
Cs-134	<2.79E+00	0.00E+00	2.79E+00				
Cs-137	<3.13E+00	0.00E+00	3.13E+00				
BaLa-140	<7.47E+00	0.00E+00	7.47E+00				
Be-7	<2.49E+01	0.00E+00	2.49E+01				
K-40	3.68E+02	2.35E+01	2.54E+01				
H3GW	1.31E+03	7.46E+01	1.80E+02				

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 79 [INDICATOR - N @ 1 miles]

Sample ID:	271728	Sample Dates:	8/14/2013 - 8/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
Mn-54	<2.82E+00	0.00E+00	2.82E+00				
Co-58	<3.79E+00	0.00E+00	3.79E+00				
Fe-59	<1.22E+01	0.00E+00	1.22E+01				
Co-60	<2.91E+00	0.00E+00	2.91E+00				
Zn-65	<6.70E+00	0.00E+00	6.70E+00				
Zr-95	<8.13E+00	0.00E+00	8.13E+00				
Nb-95	<8.20E+00	0.00E+00	8.20E+00				
I-131	<2.53E+02	0.00E+00	2.53E+02				
Cs-134	<2.74E+00	0.00E+00	2.74E+00				
Cs-137	<2.88E+00	0.00E+00	2.88E+00				
BaLa-140	<5.55E+01	0.00E+00	5.55E+01				
Be-7	<3.90E+01	0.00E+00	3.90E+01				
K-40	1.73E+02	1.99E+01	2.64E+01				
H3GW	1.29E+03	7.57E+01	1.86E+02				

Sample ID:	277261	Sample Dates:	11/12/2013 - 11/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
Mn-54	<7.39E+00	0.00E+00	7.39E+00				
Co-58	<8.31E+00	0.00E+00	8.31E+00				
Fe-59	<1.53E+01	0.00E+00	1.53E+01				
Co-60	<6.90E+00	0.00E+00	6.90E+00				
Zn-65	<1.68E+01	0.00E+00	1.68E+01				
Zr-95	<1.40E+01	0.00E+00	1.40E+01				
Nb-95	<6.25E+00	0.00E+00	6.25E+00				
I-131	<1.35E+01	0.00E+00	1.35E+01				
Cs-134	<7.23E+00	0.00E+00	7.23E+00				
Cs-137	<4.94E+00	0.00E+00	4.94E+00				
BaLa-140	<1.19E+01	0.00E+00	1.19E+01				
Be-7	<6.44E+01	0.00E+00	6.44E+01				
K-40	3.78E+02	5.22E+01	6.84E+01				
H3GW	1.54E+03	8.87E+01	2.14E+02				

Sample Point 81 [INDICATOR - SSE @ 0.19 miles]

Sample ID:	177798	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
Mn-54	<1.50E+01	0.00E+00	1.50E+01				
Co-58	<1.50E+01	0.00E+00	1.50E+01				
Fe-59	<3.00E+01	0.00E+00	3.00E+01				
Co-60	<1.50E+01	0.00E+00	1.50E+01				
Zn-65	<3.00E+01	0.00E+00	3.00E+01				
Zr-95	<1.50E+01	0.00E+00	1.50E+01				
Nb-95	<1.50E+01	0.00E+00	1.50E+01				
I-131	<1.50E+01	0.00E+00	1.50E+01				
Cs-134	<1.50E+01	0.00E+00	1.50E+01				
Cs-137	<1.80E+01	0.00E+00	1.80E+01				
BaLa-140	<1.50E+01	0.00E+00	1.50E+01				
K-40	4.62E+02	7.03E+01					
Pb-212	1.30E+01	8.07E+00					
Bi-214	1.28E+02	1.49E+01					
Pb-214	1.12E+02	1.27E+01					
Ra-226	1.69E+02	8.56E+01					
Th-234	1.54E+02	1.24E+02					

Sample ID:	177839	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				H3GW	6.13E+02	1.30E+02	2.05E+02

Sample ID:	258440	Sample Dates:	5/15/2013 - 5/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
Mn-54	<4.70E+00	0.00E+00	4.70E+00				
Co-58	<5.56E+00	0.00E+00	5.56E+00				
Fe-59	<1.25E+01	0.00E+00	1.25E+01				
Co-60	<8.01E+00	0.00E+00	8.01E+00				
Zn-65	<1.01E+01	0.00E+00	1.01E+01				
Zr-95	<8.65E+00	0.00E+00	8.65E+00				
Nb-95	<6.08E+00	0.00E+00	6.08E+00				
I-131	<1.45E+01	0.00E+00	1.45E+01				
Cs-134	<4.89E+00	0.00E+00	4.89E+00				
Cs-137	<5.45E+00	0.00E+00	5.45E+00				
BaLa-140	<1.20E+01	0.00E+00	1.20E+01				
Be-7	<3.98E+01	0.00E+00	3.98E+01				

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 81 [INDICATOR - SSE @ 0.19 miles]

Sample ID:	258440	Sample Dates:	5/15/2013 - 5/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				K-40	1.24E+02	2.79E+01	5.36E+01
				H3GW	1.92E+02	5.85E+01	1.82E+02
Sample ID:	271725	Sample Dates:	8/14/2013 - 8/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<2.20E+00	0.00E+00	2.20E+00
				Co-58	<2.98E+00	0.00E+00	2.98E+00
				Fe-59	<8.89E+00	0.00E+00	8.89E+00
				Co-60	<2.90E+00	0.00E+00	2.90E+00
				Zn-65	<4.85E+00	0.00E+00	4.85E+00
				Zr-95	<5.63E+00	0.00E+00	5.63E+00
				Nb-95	<5.61E+00	0.00E+00	5.61E+00
				I-131	<1.29E+02	0.00E+00	1.29E+02
				Cs-134	<2.07E+00	0.00E+00	2.07E+00
				Cs-137	<2.35E+00	0.00E+00	2.35E+00
				BaLa-140	<3.34E+01	0.00E+00	3.34E+01
				Be-7	<2.98E+01	0.00E+00	2.98E+01
				K-40	1.00E+02	1.60E+01	2.50E+01
				H3GW	1.06E+03	7.24E+01	1.85E+02
Sample ID:	277262	Sample Dates:	11/13/2013 - 11/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<6.67E+00	0.00E+00	6.67E+00
				Co-58	<7.15E+00	0.00E+00	7.15E+00
				Fe-59	<1.31E+01	0.00E+00	1.31E+01
				Co-60	<9.16E+00	0.00E+00	9.16E+00
				Zn-65	<1.65E+01	0.00E+00	1.65E+01
				Zr-95	<1.36E+01	0.00E+00	1.36E+01
				Nb-95	<9.33E+00	0.00E+00	9.33E+00
				I-131	<1.20E+01	0.00E+00	1.20E+01
				Cs-134	<7.59E+00	0.00E+00	7.59E+00
				Cs-137	<7.92E+00	0.00E+00	7.92E+00
				BaLa-140	<1.39E+01	0.00E+00	1.39E+01
				Be-7	<5.90E+01	0.00E+00	5.90E+01
				K-40	3.68E+02	5.01E+01	7.76E+01
				H3GW	6.12E+02	7.57E+01	2.15E+02

Sample Point 82 [INDICATOR - SSE @ 0.3 miles]

Sample ID:	177745	Sample Dates:	2/12/2013 - 2/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				LLI-131	<3.09E-01	0.00E+00	3.09E-01
Sample ID:	177791	Sample Dates:	2/12/2013 - 2/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	3.04E+00	6.70E-01	6.26E-01
Sample ID:	177799	Sample Dates:	2/12/2013 - 2/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				K-40	5.45E+02	7.45E+01	
				Bi-214	2.42E+01	7.45E+00	
Sample ID:	177840	Sample Dates:	2/12/2013 - 2/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				H3GW	<2.05E+02	0.00E+00	2.05E+02
Sample ID:	258439	Sample Dates:	5/15/2013 - 5/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.39E+00	3.77E-01	1.17E+00
				Mn-54	<4.62E+00	0.00E+00	4.62E+00
				Co-58	<4.80E+00	0.00E+00	4.80E+00
				Fe-59	<1.10E+01	0.00E+00	1.10E+01
				Co-60	<6.32E+00	0.00E+00	6.32E+00
				Zn-65	<8.01E+00	0.00E+00	8.01E+00
				Zr-95	<7.50E+00	0.00E+00	7.50E+00

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 82 [INDICATOR - SSE @ 0.3 miles]

Sample ID:	258439	Sample Dates:	5/15/2013 - 5/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Nb-95	<5.84E+00	0.00E+00	5.84E+00
				I-131	<1.38E+01	0.00E+00	1.38E+01
				Cs-134	<3.96E+00	0.00E+00	3.96E+00
				Cs-137	<5.77E+00	0.00E+00	5.77E+00
				BaLa-140	<1.28E+01	0.00E+00	1.28E+01
				Be-7	<3.73E+01	0.00E+00	3.73E+01
				K-40	1.38E+02	3.10E+01	4.55E+01
				Be-7	<2.43E+00	0.00E+00	2.43E+00
				K-40	1.93E+01	2.39E+00	2.94E+00
				LLI-131	<5.27E-01	0.00E+00	5.27E-01
				H3GW	<5.4E+01	0.00E+00	1.81E+02
Sample ID:	271722	Sample Dates:	8/15/2013 - 8/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.29E+00	3.74E-01	1.17E+00
				Mn-54	<2.19E+00	0.00E+00	2.19E+00
				Co-58	<3.25E+00	0.00E+00	3.25E+00
				Fe-59	<7.94E+00	0.00E+00	7.94E+00
				Co-60	<2.42E+00	0.00E+00	2.42E+00
				Zn-65	<4.64E+00	0.00E+00	4.64E+00
				Zr-95	<5.41E+00	0.00E+00	5.41E+00
				Nb-95	<4.98E+00	0.00E+00	4.98E+00
				I-131	<1.19E+02	0.00E+00	1.19E+02
				Cs-134	<2.02E+00	0.00E+00	2.02E+00
				Cs-137	<2.06E+00	0.00E+00	2.06E+00
				BaLa-140	<3.23E+01	0.00E+00	3.23E+01
				Be-7	<2.79E+01	0.00E+00	2.79E+01
				K-40	8.92E+01	1.26E+01	1.93E+01
				Be-7	<4.49E+00	0.00E+00	4.49E+00
				K-40	4.95E+01	3.41E+00	3.37E+00
				LLI-131	<1.20E+01	0.00E+00	1.20E+01
				H3GW	<7.1E+00	0.00E+00	1.85E+02
Sample ID:	277255	Sample Dates:	11/14/2013 - 11/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Beta	1.52E+00	3.78E-01	1.16E+00
				Mn-54	<7.55E+00	0.00E+00	7.55E+00
				Co-58	<6.96E+00	0.00E+00	6.96E+00
				Fe-59	<1.25E+01	0.00E+00	1.25E+01
				Co-60	<1.25E+01	0.00E+00	1.25E+01
				Zn-65	<1.85E+01	0.00E+00	1.85E+01
				Zr-95	<1.39E+01	0.00E+00	1.39E+01
				Nb-95	<8.83E+00	0.00E+00	8.83E+00
				I-131	<1.27E+01	0.00E+00	1.27E+01
				Cs-134	<7.04E+00	0.00E+00	7.04E+00
				Cs-137	<9.71E+00	0.00E+00	9.71E+00
				BaLa-140	<1.33E+01	0.00E+00	1.33E+01
				Be-7	<7.30E+01	0.00E+00	7.30E+01
				K-40	2.70E+02	6.84E+01	1.16E+02
				Be-7	<3.01E+00	0.00E+00	3.01E+00
				K-40	3.69E+01	3.09E+00	4.65E+00
				LLI-131	<5.75E-01	0.00E+00	5.75E-01
				H3GW	<1.7E+01	0.00E+00	2.16E+02

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

Sample Point 41 [CONTROL - NNW @ 7.2 miles]

Sample ID:	259472	Sample Dates:	5/30/2013 - 5/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.85E+01	0.00E+00	1.85E+01
				Co-58	<2.14E+01	0.00E+00	2.14E+01
				Fe-59	<4.13E+01	0.00E+00	4.13E+01
				Co-60	<2.30E+01	0.00E+00	2.30E+01
				Zn-65	<4.20E+01	0.00E+00	4.20E+01
				Zr-95	<4.52E+01	0.00E+00	4.52E+01
				Nb-95	<2.73E+01	0.00E+00	2.73E+01
				I-131	<5.27E+01	0.00E+00	5.27E+01
				Cs-134	<1.91E+01	0.00E+00	1.91E+01
				Cs-137	1.69E+02	1.18E+01	2.04E+01
				Be-7	<2.10E+02	0.00E+00	2.10E+02

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 41 [CONTROL - NNW @ 7.2 miles]

Sample ID:	259472	Sample Dates:	5/30/2013 - 5/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				K-40	3.23E+03	1.74E+02	2.02E+02
				Co-57	<1.53E+01	0.00E+00	1.53E+01
				Mo-99	<3.27E+03	0.00E+00	3.27E+03
				Ag-110M	<1.97E+01	0.00E+00	1.97E+01
				Sb-122	<6.16E+02	0.00E+00	6.16E+02
				Sb-125	<5.52E+01	0.00E+00	5.52E+01

Sample Point 45 [INDICATOR - @ 0 miles]

Sample ID:	259470	Sample Dates:	5/30/2013 - 5/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.08E+01	0.00E+00	1.08E+01
				Co-58	<1.18E+01	0.00E+00	1.18E+01
				Fe-59	<1.92E+01	0.00E+00	1.92E+01
				Co-60	<1.40E+01	0.00E+00	1.40E+01
				Zn-65	<2.01E+01	0.00E+00	2.01E+01
				Zr-95	<2.29E+01	0.00E+00	2.29E+01
				Nb-95	<1.36E+01	0.00E+00	1.36E+01
				I-131	<2.27E+01	0.00E+00	2.27E+01
				Cs-134	<9.97E+00	0.00E+00	9.97E+00
				Cs-137	<1.22E+01	0.00E+00	1.22E+01
				Be-7	<1.21E+02	0.00E+00	1.21E+02
				K-40	5.35E+02	6.18E+01	9.28E+01
				Co-57	<9.07E+00	0.00E+00	9.07E+00
				Mo-99	<1.19E+03	0.00E+00	1.19E+03
				Ag-110M	<1.20E+01	0.00E+00	1.20E+01
				Sb-122	<2.61E+02	0.00E+00	2.61E+02
				Sb-125	<2.94E+01	0.00E+00	2.94E+01

Sample Point 46 [INDICATOR - @ 0 miles]

Sample ID:	259471	Sample Dates:	5/31/2013 - 5/31/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<5.37E+01	0.00E+00	5.37E+01
				Co-58	<4.46E+01	0.00E+00	4.46E+01
				Fe-59	<8.18E+01	0.00E+00	8.18E+01
				Co-60	<7.37E+01	0.00E+00	7.37E+01
				Zn-65	<9.63E+01	0.00E+00	9.63E+01
				Zr-95	<8.18E+01	0.00E+00	8.18E+01
				Nb-95	<5.03E+01	0.00E+00	5.03E+01
				I-131	<9.33E+01	0.00E+00	9.33E+01
				Cs-134	<3.72E+01	0.00E+00	3.72E+01
				Cs-137	3.68E+02	3.36E+01	4.65E+01
				Be-7	<3.64E+02	0.00E+00	3.64E+02
				K-40	3.09E+03	3.11E+02	4.19E+02
				Co-57	<2.43E+01	0.00E+00	2.43E+01
				Mo-99	<4.39E+03	0.00E+00	4.39E+03
				Ag-110M	<4.22E+01	0.00E+00	4.22E+01
				Sb-122	<7.61E+02	0.00E+00	7.61E+02
				Sb-125	<1.18E+02	0.00E+00	1.18E+02

Sample Point 66 [INDICATOR - @ 0 miles]

Sample ID:	259473	Sample Dates:	5/31/2013 - 5/31/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<3.81E+01	0.00E+00	3.81E+01
				Co-58	<3.01E+01	0.00E+00	3.01E+01
				Fe-59	<7.74E+01	0.00E+00	7.74E+01
				Co-60	<2.75E+01	0.00E+00	2.75E+01
				Zn-65	<6.78E+01	0.00E+00	6.78E+01
				Zr-95	<7.44E+01	0.00E+00	7.44E+01
				Nb-95	<4.01E+01	0.00E+00	4.01E+01
				I-131	<8.20E+01	0.00E+00	8.20E+01
				Cs-134	<3.17E+01	0.00E+00	3.17E+01
				Cs-137	<4.15E+01	0.00E+00	4.15E+01
				Be-7	2.64E+02	1.39E+02	2.78E+02
				K-40	1.91E+03	2.35E+02	2.59E+02
				Co-57	<2.64E+01	0.00E+00	2.64E+01
				Mo-99	<6.10E+03	0.00E+00	6.10E+03
				Ag-110M	<2.92E+01	0.00E+00	2.92E+01
				Sb-122	<1.11E+03	0.00E+00	1.11E+03

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 66 [INDICATOR - @ 0 miles]

Sample ID:	259473	Sample Dates:	5/31/2013 - 5/31/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Sb-125	<9.88E+01	0.00E+00	9.88E+01

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

Sample Point 44 [INDICATOR - NNE @ 1.6 miles]

Sample ID:	177824	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Cs-134	<1.50E+02	0.00E+00	1.50E+02
				Cs-137	<1.80E+02	0.00E+00	1.80E+02
				Tl-208	3.88E+01	1.75E+01	
				Pb-212	1.04E+02	3.78E+01	
				Bi-214	1.31E+02	4.19E+01	
				Pb-214	1.68E+02	4.31E+01	
				Ac-228	9.74E+01	4.76E+01	

Sample ID:	267542	Sample Dates:	8/20/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<8.26E+00	0.00E+00	8.26E+00
				Co-58	<8.01E+00	0.00E+00	8.01E+00
				Fe-59	<1.72E+01	0.00E+00	1.72E+01
				Co-60	<1.19E+01	0.00E+00	1.19E+01
				Zn-65	<2.01E+01	0.00E+00	2.01E+01
				Zr-95	<1.62E+01	0.00E+00	1.62E+01
				Nb-95	<8.51E+00	0.00E+00	8.51E+00
				I-131	<1.29E+01	0.00E+00	1.29E+01
				Cs-134	<8.24E+00	0.00E+00	8.24E+00
				Cs-137	<9.19E+00	0.00E+00	9.19E+00
				Be-7	1.15E+02	3.83E+01	6.63E+01
				K-40	1.98E+02	5.93E+01	9.91E+01
				Co-57	<7.37E+00	0.00E+00	7.37E+00
				Mo-99	<2.85E+02	0.00E+00	2.85E+02
				Ag-110M	<6.56E+00	0.00E+00	6.56E+00
				Sb-122	<5.34E+01	0.00E+00	5.34E+01
				Sb-125	<2.36E+01	0.00E+00	2.36E+01

Sample Point 57 [INDICATOR - @ 0 miles]

Sample ID:	177825	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Cs-134	<1.50E+02	0.00E+00	1.50E+02
				Cs-137	<1.80E+02	0.00E+00	1.80E+02
				K-40	1.40E+04	1.53E+03	
				Tl-208	4.10E+02	7.32E+01	
				Bi-212	1.19E+03	4.30E+02	
				Pb-212	1.52E+03	3.30E+02	
				Bi-214	1.40E+03	1.83E+02	
				Pb-214	1.61E+03	1.79E+02	
				Ra-226	3.35E+03	1.19E+03	
				Ac-228	1.44E+03	2.58E+02	

Sample ID:	267543	Sample Dates:	8/20/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<2.03E+01	0.00E+00	2.03E+01
				Co-58	<1.62E+01	0.00E+00	1.62E+01
				Fe-59	<4.14E+01	0.00E+00	4.14E+01
				Co-60	<1.89E+01	0.00E+00	1.89E+01
				Zn-65	<4.61E+01	0.00E+00	4.61E+01
				Zr-95	<3.54E+01	0.00E+00	3.54E+01
				Nb-95	<2.24E+01	0.00E+00	2.24E+01
				I-131	<2.51E+01	0.00E+00	2.51E+01
				Cs-134	<1.57E+01	0.00E+00	1.57E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				Be-7	<1.45E+02	0.00E+00	1.45E+02
				K-40	1.20E+04	3.17E+02	1.87E+02
				Co-57	<1.32E+01	0.00E+00	1.32E+01
				Mo-99	<5.75E+02	0.00E+00	5.75E+02
				Ag-110M	<1.62E+01	0.00E+00	1.62E+01
				Sb-122	<1.05E+02	0.00E+00	1.05E+02
				Sb-125	<4.47E+01	0.00E+00	4.47E+01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 40 [INDICATOR - ESE @ 0.6 miles]

Sample ID:	177721	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				K-40	2.61E+02	2.78E+01	
				Tl-208	2.42E+00	1.36E+00	
				Pb-212	6.56E+00	2.52E+00	
				Bi-214	1.74E+01	3.24E+00	
				Pb-214	1.35E+01	3.21E+00	
				Ra-226	1.50E+02	3.16E+01	
				Ac-228	8.27E+00	5.53E+00	
				Th-234	2.18E+02	4.82E+01	
Sample ID:	177787	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				H3SW	1.12E+03	1.34E+02	2.05E+02
Sample ID:	177909	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				K-40	2.61E+02	2.71E+01	
				Tl-208	2.81E+00	1.66E+00	
				Pb-212	8.30E+00	1.32E+00	
				Bi-214	1.47E+01	3.11E+00	
				Pb-214	1.87E+01	3.25E+00	
				Ra-226	2.03E+02	3.23E+01	
				Ac-228	8.07E+00	4.00E+00	
				Th-234	1.90E+02	5.10E+01	
Sample ID:	177922	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				H3SW	8.48E+02	1.32E+02	2.06E+02
Sample ID:	178040	Sample Dates:	3/18/2013 - 3/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				K-40	2.27E+02	2.60E+01	
				Tl-208	2.56E+00	1.31E+00	
				Pb-212	4.63E+00	2.18E+00	
				Bi-214	1.65E+01	3.30E+00	
				Pb-214	1.35E+01	3.19E+00	
				Ra-226	1.69E+02	3.11E+01	
				Th-234	1.72E+02	4.72E+01	

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 40 [INDICATOR - ESE @ 0.6 miles]

Sample ID:	178103	Sample Dates:	3/18/2013 - 3/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				H3SW	7.30E+02	1.31E+02	2.05E+02
Sample ID:	258036	Sample Dates:	4/3/2013 - 5/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.70E+00	0.00E+00	1.70E+00
				Co-58	<1.85E+00	0.00E+00	1.85E+00
				Fe-59	<4.03E+00	0.00E+00	4.03E+00
				Co-60	<1.69E+00	0.00E+00	1.69E+00
				Zn-65	<3.49E+00	0.00E+00	3.49E+00
				Zr-95	<3.42E+00	0.00E+00	3.42E+00
				Nb-95	<2.35E+00	0.00E+00	2.35E+00
				I-131	<1.40E+01	0.00E+00	1.40E+01
				Cs-134	<1.54E+00	0.00E+00	1.54E+00
				Cs-137	<1.74E+00	0.00E+00	1.74E+00
				BaLa-140	<6.10E+00	0.00E+00	6.10E+00
				Be-7	<1.86E+01	0.00E+00	1.86E+01
				K-40	1.45E+02	1.54E+01	1.59E+01
				H3SW	7.77E+02	6.96E+01	1.90E+02
Sample ID:	259648	Sample Dates:	5/6/2013 - 6/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<2.26E+00	0.00E+00	2.26E+00
				Co-58	<2.66E+00	0.00E+00	2.66E+00
				Fe-59	<6.25E+00	0.00E+00	6.25E+00
				Co-60	<2.63E+00	0.00E+00	2.63E+00
				Zn-65	<4.41E+00	0.00E+00	4.41E+00
				Zr-95	<4.82E+00	0.00E+00	4.82E+00
				Nb-95	<3.44E+00	0.00E+00	3.44E+00
				I-131	<1.34E+01	0.00E+00	1.34E+01
				Cs-134	<2.14E+00	0.00E+00	2.14E+00
				Cs-137	<2.40E+00	0.00E+00	2.40E+00
				BaLa-140	<8.20E+00	0.00E+00	8.20E+00
				Be-7	<2.29E+01	0.00E+00	2.29E+01
				K-40	1.84E+02	1.59E+01	1.82E+01
				H3SW	7.32E+02	6.27E+01	1.66E+02
Sample ID:	262877	Sample Dates:	6/6/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<2.00E+00	0.00E+00	2.00E+00
				Co-58	<2.34E+00	0.00E+00	2.34E+00
				Fe-59	<4.82E+00	0.00E+00	4.82E+00
				Co-60	<1.92E+00	0.00E+00	1.92E+00
				Zn-65	<4.19E+00	0.00E+00	4.19E+00
				Zr-95	<4.48E+00	0.00E+00	4.48E+00
				Nb-95	<3.08E+00	0.00E+00	3.08E+00
				I-131	<1.42E+01	0.00E+00	1.42E+01
				Cs-134	<1.86E+00	0.00E+00	1.86E+00
				Cs-137	<2.08E+00	0.00E+00	2.08E+00
				BaLa-140	<7.22E+00	0.00E+00	7.22E+00
				Be-7	<2.38E+01	0.00E+00	2.38E+01
				K-40	1.71E+02	1.66E+01	1.98E+01
				H3SW	1.81E+03	8.10E+01	1.79E+02
Sample ID:	265321	Sample Dates:	7/1/2013 - 8/5/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<2.63E+00	0.00E+00	2.63E+00
				Co-58	<2.85E+00	0.00E+00	2.85E+00
				Fe-59	<6.33E+00	0.00E+00	6.33E+00
				Co-60	<3.51E+00	0.00E+00	3.51E+00
				Zn-65	<6.37E+00	0.00E+00	6.37E+00
				Zr-95	<5.74E+00	0.00E+00	5.74E+00
				Nb-95	<3.36E+00	0.00E+00	3.36E+00
				I-131	<1.32E+01	0.00E+00	1.32E+01
				Cs-134	<2.54E+00	0.00E+00	2.54E+00
				Cs-137	<3.19E+00	0.00E+00	3.19E+00
				BaLa-140	<8.03E+00	0.00E+00	8.03E+00
				Be-7	<2.67E+01	0.00E+00	2.67E+01
				K-40	8.98E+01	1.31E+01	2.37E+01
				H3SW	3.85E+03	9.93E+01	1.68E+02
Sample ID:	269708	Sample Dates:	8/5/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.88E+00	0.00E+00	1.88E+00

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error, results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 40 [INDICATOR - ESE @ 0.6 miles]

Sample ID:	269708	Sample Dates:	8/5/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Co-58	<1.84E+00	0.00E+00	1.84E+00
				Fe-59	<5.48E+00	0.00E+00	5.48E+00
				Co-60	<2.11E+00	0.00E+00	2.11E+00
				Zn-65	<4.08E+00	0.00E+00	4.08E+00
				Zr-95	<4.40E+00	0.00E+00	4.40E+00
				Nb-95	<2.88E+00	0.00E+00	2.88E+00
				I-131	<1.10E+01	0.00E+00	1.10E+01
				Cs-134	<1.65E+00	0.00E+00	1.65E+00
				Cs-137	<2.01E+00	0.00E+00	2.01E+00
				BaLa-140	<8.25E+00	0.00E+00	8.25E+00
				Be-7	<1.76E+01	0.00E+00	1.76E+01
				K-40	7.26E+01	1.05E+01	1.77E+01
				H3SW	4.54E+03	1.10E+02	1.88E+02
Sample ID:	272780	Sample Dates:	9/3/2013 - 10/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<2.14E+00	0.00E+00	2.14E+00
				Co-58	<2.44E+00	0.00E+00	2.44E+00
				Fe-59	<5.00E+00	0.00E+00	5.00E+00
				Co-60	<2.47E+00	0.00E+00	2.47E+00
				Zn-65	<4.41E+00	0.00E+00	4.41E+00
				Zr-95	<4.96E+00	0.00E+00	4.96E+00
				Nb-95	<3.36E+00	0.00E+00	3.36E+00
				I-131	<1.38E+01	0.00E+00	1.38E+01
				Cs-134	<2.03E+00	0.00E+00	2.03E+00
				Cs-137	<2.21E+00	0.00E+00	2.21E+00
				BaLa-140	<5.68E+00	0.00E+00	5.68E+00
				Be-7	<2.47E+01	0.00E+00	2.47E+01
				K-40	1.60E+02	1.79E+01	1.96E+01
				H3SW	4.91E+03	1.14E+02	1.83E+02
Sample ID:	275211	Sample Dates:	10/7/2013 - 11/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<3.29E+00	0.00E+00	3.29E+00
				Co-58	<3.61E+00	0.00E+00	3.61E+00
				Fe-59	<8.10E+00	0.00E+00	8.10E+00
				Co-60	<3.63E+00	0.00E+00	3.63E+00
				Zn-65	<7.24E+00	0.00E+00	7.24E+00
				Zr-95	<6.77E+00	0.00E+00	6.77E+00
				Nb-95	<5.14E+00	0.00E+00	5.14E+00
				I-131	<1.45E+01	0.00E+00	1.45E+01
				Cs-134	<3.15E+00	0.00E+00	3.15E+00
				Cs-137	<3.72E+00	0.00E+00	3.72E+00
				BaLa-140	<8.73E+00	0.00E+00	8.73E+00
				Be-7	<3.56E+01	0.00E+00	3.56E+01
				K-40	1.56E+02	2.03E+01	3.34E+01
				H3SW	7.48E+03	1.32E+02	1.70E+02
Sample ID:	279534	Sample Dates:	11/4/2013 - 12/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.70E+00	0.00E+00	1.70E+00
				Co-58	<2.06E+00	0.00E+00	2.06E+00
				Fe-59	<4.53E+00	0.00E+00	4.53E+00
				Co-60	<1.66E+00	0.00E+00	1.66E+00
				Zn-65	<3.69E+00	0.00E+00	3.69E+00
				Zr-95	<3.69E+00	0.00E+00	3.69E+00
				Nb-95	<2.42E+00	0.00E+00	2.42E+00
				I-131	<1.11E+01	0.00E+00	1.11E+01
				Cs-134	<1.80E+00	0.00E+00	1.80E+00
				Cs-137	<1.94E+00	0.00E+00	1.94E+00
				BaLa-140	<6.17E+00	0.00E+00	6.17E+00
				Be-7	<1.90E+01	0.00E+00	1.90E+01
				K-40	1.73E+02	1.59E+01	1.82E+01
				H3SW	6.52E+03	1.37E+02	2.02E+02

Sample Point 41 [CONTROL - N @ 8 miles]

Sample ID:	177722	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 41 [CONTROL - N @ 8 miles]

Sample ID:	177722	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				K-40	5.72E+02	4.74E+01	
				Tl-208	3.38E+00	1.51E+00	
				Pb-212	5.86E+00	2.87E+00	
				Bi-214	1.08E+01	3.26E+00	
				Pb-214	1.03E+01	3.49E+00	
				Ra-226	9.81E+01	3.70E+01	
				Ac-228	1.05E+01	5.21E+00	
				Th-234	9.57E+01	5.40E+00	
Sample ID:	177788	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				H3SW	<2.05E+02	0.00E+00	2.05E+02
Sample ID:	177910	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				K-40	5.68E+02	4.73E+01	
				Tl-208	4.86E+00	1.57E+00	
				Pb-212	4.55E+00	2.22E+00	
				Bi-214	9.75E+00	2.93E+00	
				Ra-226	1.19E+02	3.65E+01	
				Ac-228	1.26E+01	4.22E+00	
				Th-234	1.24E+02	5.37E+01	
Sample ID:	177923	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				H3SW	<2.05E+02	0.00E+00	2.05E+02
Sample ID:	178041	Sample Dates:	3/18/2013 - 3/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				K-40	5.57E+02	4.64E+01	
				Tl-208	3.72E+00	1.66E+00	
				Pb-212	6.76E+00	2.85E+00	
				Bi-214	8.31E+00	3.28E+00	
				Ra-226	1.23E+02	3.65E+01	
				Ac-228	1.25E+01	5.32E+00	
				Th-234	1.65E+02	5.45E+01	
Sample ID:	178104	Sample Dates:	3/18/2013 - 3/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				H3SW	<2.05E+02	0.00E+00	2.05E+02
Sample ID:	258037	Sample Dates:	4/3/2013 - 5/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.85E+00	0.00E+00	1.85E+00
				Co-58	<2.06E+00	0.00E+00	2.06E+00

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 41 [CONTROL - N @ 8 miles]

Sample ID:	258037	Sample Dates:	4/3/2013 - 5/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Fe-59	<4.71E+00	0.00E+00	4.71E+00
				Co-60	<2.81E+00	0.00E+00	2.81E+00
				Zn-65	<4.81E+00	0.00E+00	4.81E+00
				Zr-95	<3.85E+00	0.00E+00	3.85E+00
				Nb-95	<3.28E+00	0.00E+00	3.28E+00
				I-131	<1.36E+01	0.00E+00	1.36E+01
				Cs-134	<1.96E+00	0.00E+00	1.96E+00
				Cs-137	<2.39E+00	0.00E+00	2.39E+00
				BaLa-140	<7.97E+00	0.00E+00	7.97E+00
				Be-7	<2.27E+01	0.00E+00	2.27E+01
				K-40	6.85E+01	1.25E+01	2.16E+01
				H3SW	<3.8E+01	0.00E+00	1.91E+02
Sample ID:	259649	Sample Dates:	5/6/2013 - 6/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.76E+00	0.00E+00	1.76E+00
				Co-58	<2.02E+00	0.00E+00	2.02E+00
				Fe-59	<4.30E+00	0.00E+00	4.30E+00
				Co-60	<1.76E+00	0.00E+00	1.76E+00
				Zn-65	<3.85E+00	0.00E+00	3.85E+00
				Zr-95	<3.86E+00	0.00E+00	3.86E+00
				Nb-95	<2.52E+00	0.00E+00	2.52E+00
				I-131	<1.30E+01	0.00E+00	1.30E+01
				Cs-134	<1.55E+00	0.00E+00	1.55E+00
				Cs-137	<1.61E+00	0.00E+00	1.61E+00
				BaLa-140	<5.74E+00	0.00E+00	5.74E+00
				Be-7	<1.93E+01	0.00E+00	1.93E+01
				K-40	1.65E+02	1.47E+01	1.61E+01
				H3SW	<1.19E+02	0.00E+00	1.75E+02
Sample ID:	262878	Sample Dates:	6/6/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.83E+00	0.00E+00	1.83E+00
				Co-58	<2.08E+00	0.00E+00	2.08E+00
				Fe-59	<4.06E+00	0.00E+00	4.06E+00
				Co-60	<2.04E+00	0.00E+00	2.04E+00
				Zn-65	<3.76E+00	0.00E+00	3.76E+00
				Zr-95	<3.65E+00	0.00E+00	3.65E+00
				Nb-95	<2.69E+00	0.00E+00	2.69E+00
				I-131	<1.18E+01	0.00E+00	1.18E+01
				Cs-134	<1.70E+00	0.00E+00	1.70E+00
				Cs-137	<1.94E+00	0.00E+00	1.94E+00
				BaLa-140	<5.39E+00	0.00E+00	5.39E+00
				Be-7	<1.81E+01	0.00E+00	1.81E+01
				K-40	1.96E+02	1.35E+01	1.37E+01
				H3SW	<5.05E+01	0.00E+00	1.80E+02
Sample ID:	265322	Sample Dates:	7/1/2013 - 8/5/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.70E+00	0.00E+00	1.70E+00
				Co-58	<1.73E+00	0.00E+00	1.73E+00
				Fe-59	<4.32E+00	0.00E+00	4.32E+00
				Co-60	<1.49E+00	0.00E+00	1.49E+00
				Zn-65	<3.40E+00	0.00E+00	3.40E+00
				Zr-95	<3.40E+00	0.00E+00	3.40E+00
				Nb-95	<2.66E+00	0.00E+00	2.66E+00
				I-131	<1.40E+01	0.00E+00	1.40E+01
				Cs-134	<1.62E+00	0.00E+00	1.62E+00
				Cs-137	<1.55E+00	0.00E+00	1.55E+00
				BaLa-140	<5.61E+00	0.00E+00	5.61E+00
				Be-7	<1.75E+01	0.00E+00	1.75E+01
				K-40	1.55E+02	1.42E+01	1.44E+01
				H3SW	<1.36E+01	0.00E+00	1.69E+02
Sample ID:	269709	Sample Dates:	8/5/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<2.34E+00	0.00E+00	2.34E+00
				Co-58	<2.42E+00	0.00E+00	2.42E+00
				Fe-59	<5.10E+00	0.00E+00	5.10E+00
				Co-60	<2.62E+00	0.00E+00	2.62E+00
				Zn-65	<4.54E+00	0.00E+00	4.54E+00
				Zr-95	<4.57E+00	0.00E+00	4.57E+00

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error, results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 41 [CONTROL - N @ 8 miles]

Sample ID:	269709	Sample Dates:	8/5/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Nb-95	<2.95E+00	0.00E+00	2.95E+00
				I-131	<1.21E+01	0.00E+00	1.21E+01
				Cs-134	<1.84E+00	0.00E+00	1.84E+00
				Cs-137	<2.38E+00	0.00E+00	2.38E+00
				BaLa-140	<8.39E+00	0.00E+00	8.39E+00
				Be-7	<2.18E+01	0.00E+00	2.18E+01
				K-40	7.27E+01	1.48E+01	2.22E+01
				H3SW	<-9.4E+01	0.00E+00	1.87E+02
Sample ID:	272781	Sample Dates:	9/3/2013 - 10/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.79E+00	0.00E+00	1.79E+00
				Co-58	<2.18E+00	0.00E+00	2.18E+00
				Fe-59	<4.79E+00	0.00E+00	4.79E+00
				Co-60	<2.34E+00	0.00E+00	2.34E+00
				Zn-65	<4.08E+00	0.00E+00	4.08E+00
				Zr-95	<3.81E+00	0.00E+00	3.81E+00
				Nb-95	<2.76E+00	0.00E+00	2.76E+00
				I-131	<1.28E+01	0.00E+00	1.28E+01
				Cs-134	<1.82E+00	0.00E+00	1.82E+00
				Cs-137	<1.96E+00	0.00E+00	1.96E+00
				BaLa-140	<7.32E+00	0.00E+00	7.32E+00
				Be-7	<2.13E+01	0.00E+00	2.13E+01
				K-40	1.70E+02	1.56E+01	1.72E+01
				H3SW	<-1.9E+01	0.00E+00	1.82E+02
Sample ID:	275212	Sample Dates:	10/7/2013 - 11/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<3.02E+00	0.00E+00	3.02E+00
				Co-58	<3.41E+00	0.00E+00	3.41E+00
				Fe-59	<7.39E+00	0.00E+00	7.39E+00
				Co-60	<3.08E+00	0.00E+00	3.08E+00
				Zn-65	<6.46E+00	0.00E+00	6.46E+00
				Zr-95	<7.50E+00	0.00E+00	7.50E+00
				Nb-95	<3.30E+00	0.00E+00	3.30E+00
				I-131	<1.38E+01	0.00E+00	1.38E+01
				Cs-134	<2.30E+00	0.00E+00	2.30E+00
				Cs-137	<3.97E+00	0.00E+00	3.97E+00
				BaLa-140	<8.30E+00	0.00E+00	8.30E+00
				Be-7	<3.14E+01	0.00E+00	3.14E+01
				K-40	1.85E+02	1.89E+01	3.00E+01
				H3SW	<3.05E+01	0.00E+00	1.69E+02
Sample ID:	279535	Sample Dates:	11/4/2013 - 12/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<2.67E+00	0.00E+00	2.67E+00
				Co-58	<3.20E+00	0.00E+00	3.20E+00
				Fe-59	<6.96E+00	0.00E+00	6.96E+00
				Co-60	<3.60E+00	0.00E+00	3.60E+00
				Zn-65	<6.98E+00	0.00E+00	6.98E+00
				Zr-95	<5.74E+00	0.00E+00	5.74E+00
				Nb-95	<4.12E+00	0.00E+00	4.12E+00
				I-131	<1.44E+01	0.00E+00	1.44E+01
				Cs-134	<3.05E+00	0.00E+00	3.05E+00
				Cs-137	<3.16E+00	0.00E+00	3.16E+00
				BaLa-140	<8.95E+00	0.00E+00	8.95E+00
				Be-7	<3.34E+01	0.00E+00	3.34E+01
				K-40	1.64E+02	2.10E+01	3.14E+01
				H3SW	<-2.2E+01	0.00E+00	1.98E+02

Sample Point 57 [INDICATOR - @ 0 miles]

Sample ID:	177723	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 57 [INDICATOR - @ 0 miles]

Sample ID:	177723	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				K-40	2.27E+02	2.77E+01	
				Tl-208	2.70E+00	1.28E+00	
				Pb-212	1.01E+01	1.55E+00	
				Bi-214	3.15E+01	4.38E+00	
				Pb-214	2.85E+01	3.93E+00	
				Ra-226	1.90E+02	3.25E+01	
				Th-234	2.51E+02	4.94E+01	
Sample ID:	177789	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				H3SW	4.94E+02	1.28E+02	2.04E+02
Sample ID:	177911	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				K-40	2.39E+02	2.94E+01	
				Tl-208	3.10E+00	1.50E+00	
				Pb-212	7.69E+00	2.14E+00	
				Bi-214	1.58E+01	3.13E+00	
				Pb-214	1.86E+01	3.44E+00	
				Ra-226	2.19E+02	3.28E+01	
				Th-234	2.13E+02	4.79E+01	
Sample ID:	177924	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				H3SW	<2.05E+02	0.00E+00	2.05E+02
Sample ID:	178042	Sample Dates:	3/18/2013 - 3/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				K-40	2.20E+02	2.81E+01	
				Tl-208	3.72E+00	1.39E+00	
				Pb-212	8.98E+00	2.38E+00	
				Bi-214	9.88E+00	2.66E+00	
				Pb-214	5.62E+00	2.53E+00	
				Ra-226	2.11E+02	3.29E+01	
				Th-234	1.82E+02	4.27E+01	
Sample ID:	178105	Sample Dates:	3/18/2013 - 3/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				H3SW	<2.05E+02	0.00E+00	2.05E+02
Sample ID:	258039	Sample Dates:	4/3/2013 - 5/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.80E+00	0.00E+00	1.80E+00
				Co-58	<1.78E+00	0.00E+00	1.78E+00
				Fe-59	<3.98E+00	0.00E+00	3.98E+00
				Co-60	<2.59E+00	0.00E+00	2.59E+00
				Zn-65	<3.44E+00	0.00E+00	3.44E+00
				Zr-95	<3.70E+00	0.00E+00	3.70E+00
				Nb-95	<2.59E+00	0.00E+00	2.59E+00
				I-131	<1.38E+01	0.00E+00	1.38E+01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 57 [INDICATOR - @ 0 miles]

Sample ID:	258039	Sample Dates:	4/3/2013 - 5/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Cs-134	<1.75E+00	0.00E+00	1.75E+00
				Cs-137	<1.71E+00	0.00E+00	1.71E+00
				BaLa-140	<7.43E+00	0.00E+00	7.43E+00
				Be-7	<1.83E+01	0.00E+00	1.83E+01
				K-40	8.39E+01	1.02E+01	2.02E+01
				H3SW	<3.10E+01	0.00E+00	1.90E+02
Sample ID:	259650	Sample Dates:	5/6/2013 - 6/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<2.20E+00	0.00E+00	2.20E+00
				Co-58	<2.59E+00	0.00E+00	2.59E+00
				Fe-59	<5.70E+00	0.00E+00	5.70E+00
				Co-60	<2.93E+00	0.00E+00	2.93E+00
				Zn-65	<4.84E+00	0.00E+00	4.84E+00
				Zr-95	<4.87E+00	0.00E+00	4.87E+00
				Nb-95	<3.76E+00	0.00E+00	3.76E+00
				I-131	<1.45E+01	0.00E+00	1.45E+01
				Cs-134	<2.13E+00	0.00E+00	2.13E+00
				Cs-137	<2.11E+00	0.00E+00	2.11E+00
				BaLa-140	<9.36E+00	0.00E+00	9.36E+00
				Be-7	<2.37E+01	0.00E+00	2.37E+01
				K-40	1.26E+02	1.58E+01	2.28E+01
				H3SW	<4.67E+00	0.00E+00	1.72E+02
Sample ID:	262879	Sample Dates:	6/6/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.79E+00	0.00E+00	1.79E+00
				Co-58	<2.25E+00	0.00E+00	2.25E+00
				Fe-59	<5.72E+00	0.00E+00	5.72E+00
				Co-60	<2.31E+00	0.00E+00	2.31E+00
				Zn-65	<4.32E+00	0.00E+00	4.32E+00
				Zr-95	<4.37E+00	0.00E+00	4.37E+00
				Nb-95	<3.34E+00	0.00E+00	3.34E+00
				I-131	<1.28E+01	0.00E+00	1.28E+01
				Cs-134	<1.75E+00	0.00E+00	1.75E+00
				Cs-137	<2.17E+00	0.00E+00	2.17E+00
				BaLa-140	<8.28E+00	0.00E+00	8.28E+00
				Be-7	<2.26E+01	0.00E+00	2.26E+01
				K-40	9.29E+01	1.10E+01	2.07E+01
				H3SW	<7.18E+00	0.00E+00	1.79E+02
Sample ID:	265323	Sample Dates:	7/1/2013 - 8/5/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<2.09E+00	0.00E+00	2.09E+00
				Co-58	<2.79E+00	0.00E+00	2.79E+00
				Fe-59	<5.68E+00	0.00E+00	5.68E+00
				Co-60	<2.64E+00	0.00E+00	2.64E+00
				Zn-65	<4.42E+00	0.00E+00	4.42E+00
				Zr-95	<5.04E+00	0.00E+00	5.04E+00
				Nb-95	<3.50E+00	0.00E+00	3.50E+00
				I-131	<1.24E+01	0.00E+00	1.24E+01
				Cs-134	<2.35E+00	0.00E+00	2.35E+00
				Cs-137	<2.44E+00	0.00E+00	2.44E+00
				BaLa-140	<8.50E+00	0.00E+00	8.50E+00
				Be-7	<2.47E+01	0.00E+00	2.47E+01
				K-40	4.71E+01	1.79E+01	2.54E+01
				H3SW	<9.04E+01	0.00E+00	1.68E+02
Sample ID:	269710	Sample Dates:	8/5/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<2.91E+00	0.00E+00	2.91E+00
				Co-58	<3.19E+00	0.00E+00	3.19E+00
				Fe-59	<6.38E+00	0.00E+00	6.38E+00
				Co-60	<3.46E+00	0.00E+00	3.46E+00
				Zn-65	<5.15E+00	0.00E+00	5.15E+00
				Zr-95	<6.02E+00	0.00E+00	6.02E+00
				Nb-95	<3.52E+00	0.00E+00	3.52E+00
				I-131	<1.45E+01	0.00E+00	1.45E+01
				Cs-134	<2.53E+00	0.00E+00	2.53E+00
				Cs-137	<2.32E+00	0.00E+00	2.32E+00
				BaLa-140	<9.21E+00	0.00E+00	9.21E+00
				Be-7	<2.11E+01	0.00E+00	2.11E+01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 57 [INDICATOR - @ 0 miles]

Sample ID:	269710	Sample Dates:	8/5/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				K-40	7.02E+01	1.24E+01	2.46E+01
				H3SW	<0.00E+00	0.00E+00	1.87E+02
Sample ID:	272782	Sample Dates:	9/3/2013 - 10/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<2.27E+00	0.00E+00	2.27E+00
				Co-58	<2.59E+00	0.00E+00	2.59E+00
				Fe-59	<5.52E+00	0.00E+00	5.52E+00
				Co-60	<2.59E+00	0.00E+00	2.59E+00
				Zn-65	<4.86E+00	0.00E+00	4.86E+00
				Zr-95	<4.74E+00	0.00E+00	4.74E+00
				Nb-95	<2.90E+00	0.00E+00	2.90E+00
				I-131	<1.44E+01	0.00E+00	1.44E+01
				Cs-134	<2.13E+00	0.00E+00	2.13E+00
				Cs-137	<2.41E+00	0.00E+00	2.41E+00
				BaLa-140	<9.34E+00	0.00E+00	9.34E+00
				Be-7	<2.15E+01	0.00E+00	2.15E+01
				K-40	<3.70E+01	0.00E+00	3.70E+01
				H3SW	<5.2E+01	0.00E+00	1.81E+02
Sample ID:	275213	Sample Dates:	10/7/2013 - 11/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<3.42E+00	0.00E+00	3.42E+00
				Co-58	<3.80E+00	0.00E+00	3.80E+00
				Fe-59	<7.55E+00	0.00E+00	7.55E+00
				Co-60	<3.89E+00	0.00E+00	3.89E+00
				Zn-65	<6.51E+00	0.00E+00	6.51E+00
				Zr-95	<6.76E+00	0.00E+00	6.76E+00
				Nb-95	<4.24E+00	0.00E+00	4.24E+00
				I-131	<1.28E+01	0.00E+00	1.28E+01
				Cs-134	<3.06E+00	0.00E+00	3.06E+00
				Cs-137	<3.34E+00	0.00E+00	3.34E+00
				BaLa-140	<9.43E+00	0.00E+00	9.43E+00
				Be-7	<3.42E+01	0.00E+00	3.42E+01
				K-40	7.68E+01	1.42E+01	3.30E+01
				H3SW	<1.22E+02	0.00E+00	1.69E+02
Sample ID:	279536	Sample Dates:	11/4/2013 - 12/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<2.56E+00	0.00E+00	2.56E+00
				Co-58	<2.83E+00	0.00E+00	2.83E+00
				Fe-59	<7.06E+00	0.00E+00	7.06E+00
				Co-60	<3.40E+00	0.00E+00	3.40E+00
				Zn-65	<6.59E+00	0.00E+00	6.59E+00
				Zr-95	<5.25E+00	0.00E+00	5.25E+00
				Nb-95	<3.70E+00	0.00E+00	3.70E+00
				I-131	<1.36E+01	0.00E+00	1.36E+01
				Cs-134	<2.77E+00	0.00E+00	2.77E+00
				Cs-137	<2.59E+00	0.00E+00	2.59E+00
				BaLa-140	<4.67E+00	0.00E+00	4.67E+00
				Be-7	<2.81E+01	0.00E+00	2.81E+01
				K-40	6.47E+01	1.71E+01	2.55E+01
				H3SW	<3.34E+01	0.00E+00	2.03E+02

Sample Point 66 [INDICATOR - @ 0 miles]

Sample ID:	177724	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				K-40	4.82E+02	4.04E+01	
				Tl-208	5.31E+00	1.52E+00	
				Pb-212	1.33E+01	2.65E+00	

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 66 [INDICATOR - @ 0 miles]

Sample ID:	177724	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Bi-214	1.67E+01	3.30E+00	
				Pb-214	1.38E+01	3.38E+00	
				Ra-226	1.80E+02	3.50E+01	
				Ac-228	1.61E+01	5.15E+00	
				Th-234	2.11E+02	4.88E+01	
Sample ID:	177790	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				H3SW	1.07E+03	1.33E+02	2.04E+02
Sample ID:	177912	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				K-40	4.53E+02	3.81E+01	
				Tl-208	4.80E+00	1.40E+00	
				Pb-212	1.04E+01	2.75E+00	
				Bi-214	1.68E+01	3.40E+00	
				Pb-214	1.26E+01	3.07E+00	
				Ra-226	2.18E+02	3.77E+01	
				Ac-228	1.45E+01	5.24E+00	
				Th-234	2.15E+02	5.18E+01	
Sample ID:	177925	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				H3SW	7.10E+02	1.31E+02	2.05E+02
Sample ID:	178043	Sample Dates:	3/18/2013 - 3/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				K-40	4.36E+02	3.70E+01	
				Tl-208	5.58E+00	1.34E+00	
				Pb-212	1.01E+01	2.53E+00	
				Bi-214	1.53E+01	2.80E+00	
				Pb-214	1.38E+01	3.29E+00	
				Ra-226	2.01E+02	3.71E+01	
				Ac-228	1.50E+01	4.57E+00	
				Th-234	2.06E+02	4.77E+01	
Sample ID:	178106	Sample Dates:	3/18/2013 - 3/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				H3SW	4.97E+02	1.29E+02	2.05E+02
Sample ID:	258040	Sample Dates:	4/3/2013 - 5/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.68E+00	0.00E+00	1.68E+00
				Co-58	<2.30E+00	0.00E+00	2.30E+00
				Fe-59	<5.22E+00	0.00E+00	5.22E+00
				Co-60	<2.85E+00	0.00E+00	2.85E+00
				Zn-65	<3.91E+00	0.00E+00	3.91E+00
				Zr-95	<3.93E+00	0.00E+00	3.93E+00
				Nb-95	<2.83E+00	0.00E+00	2.83E+00
				I-131	<1.40E+01	0.00E+00	1.40E+01
				Cs-134	<1.90E+00	0.00E+00	1.90E+00
				Cs-137	<2.15E+00	0.00E+00	2.15E+00
				BaLa-140	<8.22E+00	0.00E+00	8.22E+00

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error, results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 66 [INDICATOR - @ 0 miles]

Sample ID:	258040	Sample Dates:	4/3/2013 - 5/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Be-7	<1.91E+01	0.00E+00	1.91E+01
				K-40	4.87E+01	1.35E+01	2.00E+01
				H3SW	3.67E+02	6.38E+01	1.90E+02
Sample ID:	259651	Sample Dates:	5/6/2013 - 6/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.86E+00	0.00E+00	1.86E+00
				Co-58	<2.09E+00	0.00E+00	2.09E+00
				Fe-59	<5.10E+00	0.00E+00	5.10E+00
				Co-60	<2.36E+00	0.00E+00	2.36E+00
				Zn-65	<3.94E+00	0.00E+00	3.94E+00
				Zr-95	<4.08E+00	0.00E+00	4.08E+00
				Nb-95	<2.77E+00	0.00E+00	2.77E+00
				I-131	<1.30E+01	0.00E+00	1.30E+01
				Cs-134	<1.77E+00	0.00E+00	1.77E+00
				Cs-137	<2.18E+00	0.00E+00	2.18E+00
				BaLa-140	<7.25E+00	0.00E+00	7.25E+00
				Be-7	<2.03E+01	0.00E+00	2.03E+01
				K-40	6.64E+01	1.57E+01	1.98E+01
				H3SW	5.27E+02	5.91E+01	1.65E+02
Sample ID:	262880	Sample Dates:	6/6/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.31E+00	0.00E+00	1.31E+00
				Co-58	<1.60E+00	0.00E+00	1.60E+00
				Fe-59	<4.06E+00	0.00E+00	4.06E+00
				Co-60	<1.87E+00	0.00E+00	1.87E+00
				Zn-65	<3.12E+00	0.00E+00	3.12E+00
				Zr-95	<2.95E+00	0.00E+00	2.95E+00
				Nb-95	<2.28E+00	0.00E+00	2.28E+00
				I-131	<1.38E+01	0.00E+00	1.38E+01
				Cs-134	<1.22E+00	0.00E+00	1.22E+00
				Cs-137	<1.42E+00	0.00E+00	1.42E+00
				BaLa-140	<6.26E+00	0.00E+00	6.26E+00
				Be-7	<1.48E+01	0.00E+00	1.48E+01
				K-40	6.10E+01	9.04E+00	1.38E+01
				H3SW	1.34E+03	7.41E+01	1.76E+02
Sample ID:	265324	Sample Dates:	7/1/2013 - 8/5/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<2.29E+00	0.00E+00	2.29E+00
				Co-58	<2.48E+00	0.00E+00	2.48E+00
				Fe-59	<5.86E+00	0.00E+00	5.86E+00
				Co-60	<2.53E+00	0.00E+00	2.53E+00
				Zn-65	<4.24E+00	0.00E+00	4.24E+00
				Zr-95	<4.86E+00	0.00E+00	4.86E+00
				Nb-95	<3.65E+00	0.00E+00	3.65E+00
				I-131	<1.43E+01	0.00E+00	1.43E+01
				Cs-134	<2.14E+00	0.00E+00	2.14E+00
				Cs-137	<2.19E+00	0.00E+00	2.19E+00
				BaLa-140	<8.87E+00	0.00E+00	8.87E+00
				Be-7	<2.44E+01	0.00E+00	2.44E+01
				K-40	2.73E+01	1.68E+01	2.27E+01
				H3SW	3.28E+03	9.38E+01	1.68E+02
Sample ID:	269711	Sample Dates:	8/5/2013 - 9/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<2.16E+00	0.00E+00	2.16E+00
				Co-58	<2.33E+00	0.00E+00	2.33E+00
				Fe-59	<6.29E+00	0.00E+00	6.29E+00
				Co-60	<2.35E+00	0.00E+00	2.35E+00
				Zn-65	<5.11E+00	0.00E+00	5.11E+00
				Zr-95	<4.08E+00	0.00E+00	4.08E+00
				Nb-95	<3.28E+00	0.00E+00	3.28E+00
				I-131	<1.42E+01	0.00E+00	1.42E+01
				Cs-134	<2.15E+00	0.00E+00	2.15E+00
				Cs-137	<2.29E+00	0.00E+00	2.29E+00
				BaLa-140	<8.15E+00	0.00E+00	8.15E+00
				Be-7	<2.28E+01	0.00E+00	2.28E+01
				K-40	1.79E+02	1.72E+01	2.21E+01
				H3SW	3.35E+03	9.88E+01	1.87E+02

(1) Analysis results generated by Harns Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 66 [INDICATOR - @ 0 miles]

Sample ID:	272783	Sample Dates:	9/3/2013 - 10/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.85E+00	0.00E+00	1.85E+00
				Co-58	<2.38E+00	0.00E+00	2.38E+00
				Fe-59	<4.90E+00	0.00E+00	4.90E+00
				Co-60	<1.96E+00	0.00E+00	1.96E+00
				Zn-65	<3.59E+00	0.00E+00	3.59E+00
				Zr-95	<4.05E+00	0.00E+00	4.05E+00
				Nb-95	<2.92E+00	0.00E+00	2.92E+00
				I-131	<1.24E+01	0.00E+00	1.24E+01
				Cs-134	<1.73E+00	0.00E+00	1.73E+00
				Cs-137	<2.12E+00	0.00E+00	2.12E+00
				BaLa-140	<6.82E+00	0.00E+00	6.82E+00
				Be-7	<1.99E+01	0.00E+00	1.99E+01
				K-40	8.88E+01	1.23E+01	1.82E+01
				H3SW	3.59E+03	9.96E+01	1.78E+02

Sample ID:	275214	Sample Dates:	10/7/2013 - 11/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<2.94E+00	0.00E+00	2.94E+00
				Co-58	<2.82E+00	0.00E+00	2.82E+00
				Fe-59	<6.97E+00	0.00E+00	6.97E+00
				Co-60	<2.90E+00	0.00E+00	2.90E+00
				Zn-65	<6.05E+00	0.00E+00	6.05E+00
				Zr-95	<6.28E+00	0.00E+00	6.28E+00
				Nb-95	<4.84E+00	0.00E+00	4.84E+00
				I-131	<1.23E+01	0.00E+00	1.23E+01
				Cs-134	<2.51E+00	0.00E+00	2.51E+00
				Cs-137	<3.40E+00	0.00E+00	3.40E+00
				BaLa-140	<9.07E+00	0.00E+00	9.07E+00
				Be-7	<2.86E+01	0.00E+00	2.86E+01
				K-40	1.04E+02	1.52E+01	2.66E+01
				H3SW	5.57E+03	1.16E+02	1.69E+02

Sample ID:	279537	Sample Dates:	11/4/2013 - 12/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<2.06E+00	0.00E+00	2.06E+00
				Co-58	<2.24E+00	0.00E+00	2.24E+00
				Fe-59	<5.00E+00	0.00E+00	5.00E+00
				Co-60	<2.28E+00	0.00E+00	2.28E+00
				Zn-65	<4.75E+00	0.00E+00	4.75E+00
				Zr-95	<4.06E+00	0.00E+00	4.06E+00
				Nb-95	<3.11E+00	0.00E+00	3.11E+00
				I-131	<1.34E+01	0.00E+00	1.34E+01
				Cs-134	<2.04E+00	0.00E+00	2.04E+00
				Cs-137	<2.11E+00	0.00E+00	2.11E+00
				BaLa-140	<6.14E+00	0.00E+00	6.14E+00
				Be-7	<2.49E+01	0.00E+00	2.49E+01
				K-40	1.62E+02	1.52E+01	2.18E+01
				H3SW	4.86E+03	1.23E+02	2.03E+02

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

Sample Point 1 [CONTROL - ESE @ 24.4 miles]

TLD RING TLD_CTRL

Sample ID:	114957	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.23E+01
Sample ID:	262687	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	12.2
Sample ID:	272296	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	12.0
Sample ID:	281068	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	12.0

Sample Point 2 [INDICATOR - S @ 0.2 miles]

TLD RING TLD_INNER

Sample ID:	114958	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.23E+01

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 2 [INDICATOR - S @ 0.2 miles]

TLD RING TLD_INNER

Sample ID: 262729	Sample Dates: 4/17/2013 - 7/3/2013	Nuclide	Activity
		mR/Std Qtr	12.0
Sample ID: 272338	Sample Dates: 7/3/2013 - 10/10/2013	Nuclide	Activity
		mR/Std Qtr	12.6
Sample ID: 281110	Sample Dates: 10/10/2013 - 1/16/2014	Nuclide	Activity
		mR/Std Qtr	11.3

Sample Point 3 [INDICATOR - N @ 0.5 miles] TLD RING TLD_INNER

Sample ID: 114959	Sample Dates: 2/15/2013 - 2/15/2013	Nuclide	Activity
		mR/Std Qtr	1.38E+01
Sample ID: 262688	Sample Dates: 4/17/2013 - 7/3/2013	Nuclide	Activity
		mR/Std Qtr	13.2
Sample ID: 272297	Sample Dates: 7/3/2013 - 10/10/2013	Nuclide	Activity
		mR/Std Qtr	14.0
Sample ID: 281069	Sample Dates: 10/10/2013 - 1/16/2014	Nuclide	Activity
		mR/Std Qtr	13.2

Sample Point 4 [INDICATOR - ESE @ 0.4 miles] TLD RING TLD_INNER

Sample ID: 114960	Sample Dates: 2/15/2013 - 2/15/2013	Nuclide	Activity
		mR/Std Qtr	9.90E+00
Sample ID: 262689	Sample Dates: 4/17/2013 - 7/3/2013	Nuclide	Activity
		mR/Std Qtr	10.1
Sample ID: 272298	Sample Dates: 7/3/2013 - 10/10/2013	Nuclide	Activity
		mR/Std Qtr	9.5
Sample ID: 281070	Sample Dates: 10/10/2013 - 1/16/2014	Nuclide	Activity
		mR/Std Qtr	9.5

Sample Point 5 [INDICATOR - ENE @ 0.9 miles] TLD RING TLD_INNER

Sample ID: 114961	Sample Dates: 2/15/2013 - 2/15/2013	Nuclide	Activity
		mR/Std Qtr	1.39E+01
Sample ID: 262690	Sample Dates: 4/17/2013 - 7/3/2013	Nuclide	Activity
		mR/Std Qtr	11.7
Sample ID: 272299	Sample Dates: 7/3/2013 - 10/10/2013	Nuclide	Activity
		mR/Std Qtr	14.0
Sample ID: 281071	Sample Dates: 10/10/2013 - 1/16/2014	Nuclide	Activity
		mR/Std Qtr	11.9

Sample Point 6 [INDICATOR - SSW @ 0.2 miles] TLD RING TLD_INNER

Sample ID: 114962	Sample Dates: 2/15/2013 - 2/15/2013	Nuclide	Activity
		mR/Std Qtr	1.29E+01
Sample ID: 262691	Sample Dates: 4/17/2013 - 7/3/2013	Nuclide	Activity
		mR/Std Qtr	13.4
Sample ID: 272300	Sample Dates: 7/3/2013 - 10/10/2013	Nuclide	Activity
		mR/Std Qtr	12.6
Sample ID: 281072	Sample Dates: 10/10/2013 - 1/16/2014	Nuclide	Activity
		mR/Std Qtr	12.8

Sample Point 7 [INDICATOR - ESE @ 6.4 miles] TLD RING TLD_OUTER

Sample ID: 114963	Sample Dates: 2/15/2013 - 2/15/2013	Nuclide	Activity
		mR/Std Qtr	1.38E+01
Sample ID: 262692	Sample Dates: 4/17/2013 - 7/3/2013	Nuclide	Activity
		mR/Std Qtr	12.0

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 7 [INDICATOR - ESE @ 6.4 miles]

TLD RING TLD_OUTER

Sample ID:	272301	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	14.2
Sample ID:	281073	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	12.2

Sample Point 8 [INDICATOR - SSE @ 0.8 miles]

TLD RING TLD_INNER

Sample ID:	114964	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	9.80E+00
Sample ID:	262693	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	10.2
Sample ID:	272302	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	10.4
Sample ID:	281074	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	9.7

Sample Point 9 [INDICATOR - S @ 1 miles]

TLD RING TLD_INNER

Sample ID:	114965	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.04E+01
Sample ID:	272303	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	11.2

Sample Point 10 [INDICATOR - WSW @ 1 miles]

TLD RING TLD_INNER

Sample ID:	114966	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.24E+01
Sample ID:	262695	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	11.9
Sample ID:	272304	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	11.8
Sample ID:	281076	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	12.0

Sample Point 11 [INDICATOR - SW @ 1 miles]

TLD RING TLD_INNER

Sample ID:	114967	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.09E+01
Sample ID:	262696	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	11.1
Sample ID:	272305	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	10.6
Sample ID:	281077	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	11.4

Sample Point 12 [INDICATOR - SSW @ 1.2 miles]

TLD RING TLD_INNER

Sample ID:	114968	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.48E+01
Sample ID:	262697	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	15.8
Sample ID:	272306	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	14.8
Sample ID:	281078	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	15.5

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 13 [INDICATOR - W @ 0.7 miles]

TLD RING TLD_INNER

Sample ID:	114969	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.15E+01
Sample ID:	262698	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	11.3
Sample ID:	272307	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	10.8
Sample ID:	281079	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	10.7

Sample Point 14 [INDICATOR - WNW @ 0.8 miles]

TLD RING TLD_INNER

Sample ID:	114970	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.51E+01
Sample ID:	262699	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	15.1
Sample ID:	272308	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	14.5
Sample ID:	281080	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	14.9

Sample Point 15 [INDICATOR - NW @ 0.7 miles]

TLD RING TLD_INNER

Sample ID:	114971	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.13E+01
Sample ID:	262700	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	11.6
Sample ID:	272309	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	11.2
Sample ID:	281081	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	10.9

Sample Point 16 [INDICATOR - NNW @ 1 miles]

TLD RING TLD_INNER

Sample ID:	114972	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.26E+01
Sample ID:	262701	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	12.3
Sample ID:	272310	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	13.4
Sample ID:	281082	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	11.9

Sample Point 17 [INDICATOR - N @ 1.2 miles]

TLD RING TLD_INNER

Sample ID:	114973	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.50E+01
Sample ID:	262702	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	14.8
Sample ID:	272311	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	14.9
Sample ID:	281083	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	14.7

Sample Point 18 [INDICATOR - SE @ 0.7 miles]

TLD RING TLD_INNER

Sample ID:	114974	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.68E+01

(1) Analysis results generated by Harns Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 18 [INDICATOR - SE @ 0.7 miles]

TLD RING TLD_INNER

Sample ID:	262703	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	16.9
Sample ID:	272312	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	18.5
Sample ID:	281084	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	17.1

Sample Point 19 [INDICATOR - E @ 1 miles]

TLD RING TLD_INNER

Sample ID:	114975	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.22E+01
Sample ID:	262704	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	12.0
Sample ID:	272313	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	12.8
Sample ID:	281085	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	11.5

Sample Point 20 [INDICATOR - ENE @ 1 miles]

TLD RING TLD_INNER

Sample ID:	114976	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.39E+01
Sample ID:	262705	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	13.0
Sample ID:	272314	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	14.6
Sample ID:	281086	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	12.8

Sample Point 21 [INDICATOR - NE @ 1.4 miles]

TLD RING TLD_INNER

Sample ID:	114977	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.33E+01
Sample ID:	262706	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	11.5
Sample ID:	272315	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	13.5
Sample ID:	281087	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	11.3

Sample Point 22 [INDICATOR - NNE @ 1.7 miles]

TLD RING TLD_INNER

Sample ID:	114978	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.05E+01
Sample ID:	262707	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	11.7
Sample ID:	272316	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	11.1
Sample ID:	281088	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	11.7

Sample Point 23 [INDICATOR - ESE @ 1 miles]

TLD RING TLD_INNER

Sample ID:	114979	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.43E+01
Sample ID:	262708	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 23 [INDICATOR - ESE @ 1 miles]

TLD RING TLD_INNER

Sample ID:	272317	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	14.2
Sample ID:	281089	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	14.5

Sample Point 24 [INDICATOR - NW @ 4.6 miles]

TLD RING TLD_OUTER

Sample ID:	114980	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.54E+01
Sample ID:	262709	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	16.0
Sample ID:	272318	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	16.0
Sample ID:	281090	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	15.1

Sample Point 25 [INDICATOR - NNW @ 4 miles]

TLD RING TLD_OUTER

Sample ID:	114981	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.34E+01
Sample ID:	262710	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	13.1
Sample ID:	272319	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	12.8
Sample ID:	281091	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	13.3

Sample Point 26 [INDICATOR - N @ 5 miles]

TLD RING TLD_OUTER

Sample ID:	114982	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.32E+01
Sample ID:	262711	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	13.1
Sample ID:	272320	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	13.0
Sample ID:	281092	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	13.1

Sample Point 27 [INDICATOR - NNE @ 5.4 miles]

TLD RING TLD_OUTER

Sample ID:	262712	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	11.1
Sample ID:	272321	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	11.8
Sample ID:	281093	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	10.7

Sample Point 28 [INDICATOR - NE @ 4.3 miles]

TLD RING TLD_OUTER

Sample ID:	262713	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	17.0
Sample ID:	272322	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	18.1

Sample ID:	281094	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	16.6

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 29 [INDICATOR - ENE @ 4 miles]

TLD RING TLD_OUTER

Sample ID:	114983	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.20E+01
Sample ID:	262714	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	10.5
Sample ID:	272323	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	10.6
Sample ID:	281095	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	10.2

Sample Point 30 [INDICATOR - E @ 4.4 miles]

TLD RING TLD_OUTER

Sample ID:	114984	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.38E+01
Sample ID:	262715	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	13.8
Sample ID:	272324	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	13.5
Sample ID:	281096	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	13.9

Sample Point 31 [INDICATOR - ESE @ 4.6 miles]

TLD RING TLD_OUTER

Sample ID:	114985	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.52E+01
Sample ID:	262716	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	13.0
Sample ID:	272325	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	15.5
Sample ID:	281097	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	13.2

Sample Point 32 [INDICATOR - SE @ 4 miles]

TLD RING TLD_OUTER

Sample ID:	114986	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.22E+01
Sample ID:	262717	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	12.7
Sample ID:	272326	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	12.2
Sample ID:	281098	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	11.9

Sample Point 33 [INDICATOR - SSE @ 4.5 miles]

TLD RING TLD_OUTER

Sample ID:	114987	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.34E+01
Sample ID:	262718	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	13.7
Sample ID:	272327	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	13.1
Sample ID:	281099	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	13.6

Sample Point 34 [INDICATOR - S @ 4.7 miles]

TLD RING TLD_OUTER

Sample ID:	114988	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	9.90E+00

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 34 [INDICATOR - S @ 4.7 miles]

TLD RING TLD_OUTER

Sample ID: 262719	Sample Dates: 4/17/2013 - 7/3/2013	Nuclide	Activity
		mR/Std Qtr	10.3
Sample ID: 272328	Sample Dates: 7/3/2013 - 10/10/2013	Nuclide	Activity
		mR/Std Qtr	10.2
Sample ID: 281100	Sample Dates: 10/10/2013 - 1/16/2014	Nuclide	Activity
		mR/Std Qtr	9.8

Sample Point 35 [INDICATOR - SSW @ 4.5 miles]

TLD RING TLD_OUTER

Sample ID: 114989	Sample Dates: 2/15/2013 - 2/15/2013	Nuclide	Activity
		mR/Std Qtr	1.91E+01
Sample ID: 262720	Sample Dates: 4/17/2013 - 7/3/2013	Nuclide	Activity
		mR/Std Qtr	19.4
Sample ID: 272329	Sample Dates: 7/3/2013 - 10/10/2013	Nuclide	Activity
		mR/Std Qtr	19.3
Sample ID: 281101	Sample Dates: 10/10/2013 - 1/16/2014	Nuclide	Activity
		mR/Std Qtr	26.9

Sample Point 36 [INDICATOR - SW @ 5 miles]

TLD RING TLD_OUTER

Sample ID: 114990	Sample Dates: 2/15/2013 - 2/15/2013	Nuclide	Activity
		mR/Std Qtr	1.84E+01
Sample ID: 262721	Sample Dates: 4/17/2013 - 7/3/2013	Nuclide	Activity
		mR/Std Qtr	18.1
Sample ID: 272330	Sample Dates: 7/3/2013 - 10/10/2013	Nuclide	Activity
		mR/Std Qtr	19.3
Sample ID: 281102	Sample Dates: 10/10/2013 - 1/16/2014	Nuclide	Activity
		mR/Std Qtr	17.5

Sample Point 37 [INDICATOR - WSW @ 5 miles]

TLD RING TLD_OUTER

Sample ID: 114991	Sample Dates: 2/15/2013 - 2/15/2013	Nuclide	Activity
		mR/Std Qtr	1.93E+01
Sample ID: 262722	Sample Dates: 4/17/2013 - 7/3/2013	Nuclide	Activity
		mR/Std Qtr	18.1
Sample ID: 272331	Sample Dates: 7/3/2013 - 10/10/2013	Nuclide	Activity
		mR/Std Qtr	19.3
Sample ID: 281103	Sample Dates: 10/10/2013 - 1/16/2014	Nuclide	Activity
		mR/Std Qtr	18.7

Sample Point 38 [INDICATOR - W @ 4.9 miles]

TLD RING TLD_OUTER

Sample ID: 114992	Sample Dates: 2/15/2013 - 2/15/2013	Nuclide	Activity
		mR/Std Qtr	1.39E+01
Sample ID: 262723	Sample Dates: 4/17/2013 - 7/3/2013	Nuclide	Activity
		mR/Std Qtr	15.0
Sample ID: 272332	Sample Dates: 7/3/2013 - 10/10/2013	Nuclide	Activity
		mR/Std Qtr	14.2
Sample ID: 281104	Sample Dates: 10/10/2013 - 1/16/2014	Nuclide	Activity
		mR/Std Qtr	14.9

Sample Point 39 [INDICATOR - WNW @ 5.1 miles]

TLD RING TLD_OUTER

Sample ID: 114993	Sample Dates: 2/15/2013 - 2/15/2013	Nuclide	Activity
		mR/Std Qtr	1.39E+01
Sample ID: 262724	Sample Dates: 4/17/2013 - 7/3/2013	Nuclide	Activity
		mR/Std Qtr	13.7

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 39 [INDICATOR - WNW @ 5.1 miles]

TLD RING TLD_OUTER

Sample ID:	272333	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	13.5
Sample ID:	281105	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	13.3

Sample Point 55 [INDICATOR - SSE @ 0.2 miles]

TLD RING TLD_INNER

Sample ID:	114994	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.44E+01
Sample ID:	262725	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	14.5
Sample ID:	272334	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	14.5
Sample ID:	281106	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	14.0

Sample Point 56 [INDICATOR - NNW @ 0.4 miles]

TLD RING TLD_INNER

Sample ID:	114995	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.57E+01
Sample ID:	262726	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	14.9
Sample ID:	272335	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	15.0
Sample ID:	281107	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	14.3

Sample Point 61 [INDICATOR - WSW @ 0.3 miles]

TLD RING TLD_INNER

Sample ID:	114996	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.70E+01
Sample ID:	262727	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	17.4
Sample ID:	272336	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	16.9
Sample ID:	281108	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	16.6

Sample Point 65 [INDICATOR - WNW @ 0.3 miles]

TLD RING TLD_INNER

Sample ID:	114997	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.68E+01
Sample ID:	262728	Sample Dates:	4/17/2013 - 7/3/2013	Nuclide	Activity
				mR/Std Qtr	16.5
Sample ID:	272337	Sample Dates:	7/3/2013 - 10/10/2013	Nuclide	Activity
				mR/Std Qtr	16.4
Sample ID:	281109	Sample Dates:	10/10/2013 - 1/16/2014	Nuclide	Activity
				mR/Std Qtr	16.2

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

Sample Point 50 [INDICATOR - SSE @ 0 miles]

Sample ID:	258273	Sample Dates:	5/14/2013 - 5/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype: WILDCHERRY
				I-131	<5.40E+01	0.00E+00	5.40E+01	
				Cs-134	<3.48E+01	0.00E+00	3.48E+01	
				Cs-137	<3.51E+01	0.00E+00	3.51E+01	
				Be-7	3.26E+02	1.27E+02	2.90E+02	
				K-40	3.10E+03	3.26E+02	3.14E+02	

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

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

Sample Point 50 [INDICATOR - SSE @ 0 miles]

Sample ID:	258274	Sample Dates:	5/14/2013 - 5/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				I-131	<5.43E+01	0.00E+00	5.43E+01	
				Cs-134	<3.06E+01	0.00E+00	3.06E+01	
				Cs-137	<3.81E+01	0.00E+00	3.81E+01	
				Be-7	1.10E+03	1.77E+02	2.92E+02	
				K-40	5.47E+03	4.29E+02	3.67E+02	
Sample ID:	258275	Sample Dates:	5/14/2013 - 5/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				I-131	<1.76E+01	0.00E+00	1.76E+01	
				Cs-134	<1.10E+01	0.00E+00	1.10E+01	
				Cs-137	4.88E+01	7.54E+00	1.08E+01	
				Be-7	4.04E+02	5.75E+01	9.63E+01	
				K-40	3.95E+03	1.72E+02	1.19E+02	
Sample ID:	260460	Sample Dates:	6/12/2013 - 6/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				I-131	<3.46E+01	0.00E+00	3.46E+01	
				Cs-134	<2.01E+01	0.00E+00	2.01E+01	
				Cs-137	<2.17E+01	0.00E+00	2.17E+01	
				Be-7	8.74E+02	1.15E+02	1.91E+02	
				K-40	4.10E+03	2.76E+02	1.87E+02	
Sample ID:	260461	Sample Dates:	6/12/2013 - 6/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				I-131	<3.72E+01	0.00E+00	3.72E+01	
				Cs-134	<2.09E+01	0.00E+00	2.09E+01	
				Cs-137	<2.94E+01	0.00E+00	2.94E+01	
				Be-7	1.78E+02	9.28E+01	1.54E+02	
				K-40	3.23E+03	2.43E+02	4.93E+01	
Sample ID:	260462	Sample Dates:	6/12/2013 - 6/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				I-131	<3.52E+01	0.00E+00	3.52E+01	
				Cs-134	<1.97E+01	0.00E+00	1.97E+01	
				Cs-137	5.50E+01	1.14E+01	1.55E+01	
				Be-7	7.44E+02	1.09E+02	1.83E+02	
				K-40	3.72E+03	2.71E+02	5.35E+01	
Sample ID:	263016	Sample Dates:	7/10/2013 - 7/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				I-131	<2.98E+01	0.00E+00	2.98E+01	
				Cs-134	<2.12E+01	0.00E+00	2.12E+01	
				Cs-137	<2.95E+01	0.00E+00	2.95E+01	
				Be-7	1.50E+03	1.66E+02	1.66E+02	
				K-40	3.55E+03	2.79E+02	1.99E+02	
Sample ID:	263017	Sample Dates:	7/10/2013 - 7/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				I-131	<2.58E+01	0.00E+00	2.58E+01	
				Cs-134	<1.69E+01	0.00E+00	1.69E+01	
				Cs-137	<2.53E+01	0.00E+00	2.53E+01	
				Be-7	1.59E+03	1.16E+02	1.38E+02	
				K-40	2.80E+03	1.98E+02	2.03E+02	
Sample ID:	263018	Sample Dates:	7/10/2013 - 7/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				I-131	<1.93E+01	0.00E+00	1.93E+01	
				Cs-134	<1.19E+01	0.00E+00	1.19E+01	
				Cs-137	4.68E+01	8.62E+00	1.25E+01	
				Be-7	3.13E+03	1.30E+02	1.14E+02	
				K-40	2.59E+03	1.64E+02	1.13E+02	
Sample ID:	265360	Sample Dates:	8/6/2013 - 8/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				I-131	<2.16E+01	0.00E+00	2.16E+01	
				Cs-134	<1.51E+01	0.00E+00	1.51E+01	
				Cs-137	<1.76E+01	0.00E+00	1.76E+01	
				Be-7	9.65E+02	1.01E+02	1.32E+02	
				K-40	2.17E+03	1.88E+02	1.69E+02	
Sample ID:	265361	Sample Dates:	8/6/2013 - 8/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				I-131	<9.99E+00	0.00E+00	9.99E+00	
				Cs-134	<6.07E+00	0.00E+00	6.07E+00	
				Cs-137	3.78E+01	4.67E+00	6.20E+00	
				Be-7	2.60E+03	6.93E+01	5.36E+01	
				K-40	2.85E+03	1.08E+02	6.54E+01	

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error, results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 50 [INDICATOR - SSE @ 0 miles]

Sample ID:	265362	Sample Dates:	8/6/2013 - 8/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WILDCHERRY
				I-131	<3.81E+01	0.00E+00	3.81E+01		
				Cs-134	<2.10E+01	0.00E+00	2.10E+01		
				Cs-137	<2.14E+01	0.00E+00	2.14E+01		
				Be-7	1.09E+03	1.39E+02	1.87E+02		
				K-40	3.59E+03	3.13E+02	2.83E+02		
Sample ID:	270806	Sample Dates:	9/11/2013 - 9/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WAXMYRTLE
				I-131	<2.27E+01	0.00E+00	2.27E+01		
				Cs-134	<1.31E+01	0.00E+00	1.31E+01		
				Cs-137	2.48E+01	7.98E+00	1.32E+01		
				Be-7	6.76E+02	8.66E+01	1.30E+02		
				K-40	2.49E+03	1.63E+02	1.34E+02		
Sample ID:	270807	Sample Dates:	9/11/2013 - 9/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	SASSAFRAS
				I-131	<1.90E+01	0.00E+00	1.90E+01		
				Cs-134	<1.02E+01	0.00E+00	1.02E+01		
				Cs-137	6.79E+01	8.09E+00	1.07E+01		
				Be-7	1.47E+03	8.89E+01	8.52E+01		
				K-40	3.28E+03	1.47E+02	9.69E+01		
Sample ID:	270808	Sample Dates:	9/11/2013 - 9/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WILDCHERRY
				I-131	<4.55E+01	0.00E+00	4.55E+01		
				Cs-134	<2.10E+01	0.00E+00	2.10E+01		
				Cs-137	<4.07E+01	0.00E+00	4.07E+01		
				Be-7	<3.49E+02	0.00E+00	3.49E+02		
				K-40	3.26E+03	3.36E+02	3.62E+02		

Sample Point 51 [INDICATOR - SSW @ 0 miles]

Sample ID:	258277	Sample Dates:	5/14/2013 - 5/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WILDCHERRY
				I-131	<4.28E+01	0.00E+00	4.28E+01		
				Cs-134	<2.86E+01	0.00E+00	2.86E+01		
				Cs-137	<3.50E+01	0.00E+00	3.50E+01		
				Be-7	5.32E+02	1.18E+02	2.22E+02		
				K-40	3.22E+03	3.66E+02	4.48E+02		
Sample ID:	258278	Sample Dates:	5/14/2013 - 5/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WAXMYRTLE
				I-131	<2.76E+01	0.00E+00	2.76E+01		
				Cs-134	<1.51E+01	0.00E+00	1.51E+01		
				Cs-137	<1.76E+01	0.00E+00	1.76E+01		
				Be-7	8.32E+02	1.04E+02	1.46E+02		
				K-40	3.03E+03	2.42E+02	2.21E+02		
Sample ID:	258279	Sample Dates:	5/14/2013 - 5/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	SASSAFRAS
				I-131	<4.06E+01	0.00E+00	4.06E+01		
				Cs-134	<3.05E+01	0.00E+00	3.05E+01		
				Cs-137	<2.93E+01	0.00E+00	2.93E+01		
				Be-7	4.71E+02	1.15E+02	2.65E+02		
				K-40	3.12E+03	3.74E+02	4.11E+02		
Sample ID:	260463	Sample Dates:	6/12/2013 - 6/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WAXMYRTLE
				I-131	<5.24E+01	0.00E+00	5.24E+01		
				Cs-134	<2.60E+01	0.00E+00	2.60E+01		
				Cs-137	<3.66E+01	0.00E+00	3.66E+01		
				Be-7	1.26E+03	1.88E+02	2.58E+02		
				K-40	2.37E+03	3.08E+02	2.54E+02		
Sample ID:	260464	Sample Dates:	6/12/2013 - 6/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WILDCHERRY
				I-131	<3.88E+01	0.00E+00	3.88E+01		
				Cs-134	<1.95E+01	0.00E+00	1.95E+01		
				Cs-137	<2.62E+01	0.00E+00	2.62E+01		
				Be-7	2.32E+02	9.35E+01	1.58E+02		
				K-40	3.86E+03	2.52E+02	1.71E+02		
Sample ID:	260465	Sample Dates:	6/12/2013 - 6/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	SASSAFRAS
				I-131	<4.30E+01	0.00E+00	4.30E+01		
				Cs-134	<2.12E+01	0.00E+00	2.12E+01		
				Cs-137	3.85E+01	9.28E+00	2.17E+01		
				Be-7	7.60E+02	1.47E+02	2.06E+02		

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error, results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 51 [INDICATOR - SSW @ 0 miles]

Sample ID:	260465	Sample Dates:	6/12/2013 - 6/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	SASSAFRAS
				K-40	3.85E+03	3.16E+02	2.52E+02		
Sample ID:	263019	Sample Dates:	7/10/2013 - 7/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WAXMYRTLE
				I-131	<4.39E+01	0.00E+00	4.39E+01		
				Cs-134	<2.55E+01	0.00E+00	2.55E+01		
				Cs-137	<3.33E+01	0.00E+00	3.33E+01		
				Be-7	1.72E+03	2.01E+02	2.49E+02		
				K-40	4.09E+03	3.62E+02	3.82E+02		
Sample ID:	263021	Sample Dates:	7/10/2013 - 7/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WILDCHERRY
				I-131	<3.33E+01	0.00E+00	3.33E+01		
				Cs-134	<2.28E+01	0.00E+00	2.28E+01		
				Cs-137	<2.76E+01	0.00E+00	2.76E+01		
				Be-7	3.35E+02	1.03E+02	2.18E+02		
				K-40	2.42E+03	2.83E+02	3.09E+02		
Sample ID:	263022	Sample Dates:	7/10/2013 - 7/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	SASSAFRAS
				I-131	<1.50E+01	0.00E+00	1.50E+01		
				Cs-134	<9.11E+00	0.00E+00	9.11E+00		
				Cs-137	7.72E+01	7.02E+00	9.60E+00		
				Be-7	9.51E+02	7.27E+01	9.07E+01		
				K-40	3.44E+03	1.45E+02	1.06E+02		
Sample ID:	265363	Sample Dates:	8/6/2013 - 8/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WAXMYRTLE
				I-131	<3.08E+01	0.00E+00	3.08E+01		
				Cs-134	<1.65E+01	0.00E+00	1.65E+01		
				Cs-137	<2.37E+01	0.00E+00	2.37E+01		
				Be-7	2.22E+03	1.35E+02	1.55E+02		
				K-40	2.70E+03	2.25E+02	2.02E+02		
Sample ID:	265364	Sample Dates:	8/6/2013 - 8/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	SASSAFRAS
				I-131	<1.25E+01	0.00E+00	1.25E+01		
				Cs-134	<7.46E+00	0.00E+00	7.46E+00		
				Cs-137	5.14E+01	5.18E+00	8.08E+00		
				Be-7	1.62E+03	6.14E+01	6.72E+01		
				K-40	2.48E+03	9.67E+01	7.12E+01		
Sample ID:	265365	Sample Dates:	8/6/2013 - 8/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WILDCHERRY
				I-131	<2.72E+01	0.00E+00	2.72E+01		
				Cs-134	<2.29E+01	0.00E+00	2.29E+01		
				Cs-137	<2.16E+01	0.00E+00	2.16E+01		
				Be-7	7.59E+02	1.26E+02	1.63E+02		
				K-40	2.24E+03	2.47E+02	1.73E+02		
Sample ID:	270809	Sample Dates:	9/11/2013 - 9/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WAXMYRTLE
				I-131	<3.69E+01	0.00E+00	3.69E+01		
				Cs-134	<1.79E+01	0.00E+00	1.79E+01		
				Cs-137	<2.88E+01	0.00E+00	2.88E+01		
				Be-7	1.20E+03	1.23E+02	1.71E+02		
				K-40	2.64E+03	2.40E+02	2.16E+02		
Sample ID:	270810	Sample Dates:	9/11/2013 - 9/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	SASSAFRAS
				I-131	<1.74E+01	0.00E+00	1.74E+01		
				Cs-134	<1.01E+01	0.00E+00	1.01E+01		
				Cs-137	4.38E+01	8.94E+00	1.16E+01		
				Be-7	1.52E+03	9.21E+01	8.85E+01		
				K-40	2.75E+03	1.53E+02	1.31E+02		
Sample ID:	270811	Sample Dates:	9/11/2013 - 9/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WILDCHERRY
				I-131	<3.48E+01	0.00E+00	3.48E+01		
				Cs-134	<1.67E+01	0.00E+00	1.67E+01		
				Cs-137	<2.59E+01	0.00E+00	2.59E+01		
				Be-7	3.96E+02	9.39E+01	1.90E+02		
				K-40	5.36E+03	3.22E+02	2.84E+02		

Sample Point 52 [CONTROL - W @ 10 miles]

Sample ID:	258280	Sample Dates:	5/14/2013 - 5/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WILDCHERRY
				I-131	<3.00E+01	0.00E+00	3.00E+01		
				Cs-134	<1.92E+01	0.00E+00	1.92E+01		

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.

H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 52 [CONTROL - W @ 10 miles]

Sample ID:	258280	Sample Dates:	5/14/2013 - 5/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WILDCHERRY
				Cs-137	<2.50E+01	0.00E+00	2.50E+01		
				Be-7	5.95E+02	1.10E+02	1.62E+02		
				K-40	3.52E+03	2.57E+02	1.95E+02		
Sample ID:	258281	Sample Dates:	5/14/2013 - 5/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WAXMYRTLE
				I-131	<2.01E+01	0.00E+00	2.01E+01		
				Cs-134	<1.14E+01	0.00E+00	1.14E+01		
				Cs-137	3.12E+01	8.03E+00	1.42E+01		
				Be-7	4.39E+02	7.62E+01	8.77E+01		
				K-40	2.74E+03	1.83E+02	1.36E+02		
Sample ID:	258282	Sample Dates:	5/14/2013 - 5/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	SASSAFRAS
				I-131	<3.34E+01	0.00E+00	3.34E+01		
				Cs-134	<1.52E+01	0.00E+00	1.52E+01		
				Cs-137	3.65E+01	9.95E+00	1.92E+01		
				Be-7	4.67E+02	8.38E+01	1.66E+02		
				K-40	4.22E+03	2.56E+02	2.11E+02		
Sample ID:	260466	Sample Dates:	6/12/2013 - 6/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WAXMYRTLE
				I-131	<4.56E+01	0.00E+00	4.56E+01		
				Cs-134	<2.62E+01	0.00E+00	2.62E+01		
				Cs-137	<4.08E+01	0.00E+00	4.08E+01		
				Be-7	4.21E+02	1.33E+02	2.37E+02		
				K-40	2.78E+03	2.92E+02	4.27E+02		
Sample ID:	260467	Sample Dates:	6/12/2013 - 6/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WILDCHERRY
				I-131	<4.79E+01	0.00E+00	4.79E+01		
				Cs-134	<2.13E+01	0.00E+00	2.13E+01		
				Cs-137	2.43E+01	1.15E+01	2.60E+01		
				Be-7	2.73E+02	1.14E+02	1.72E+02		
				K-40	4.13E+03	2.96E+02	1.98E+02		
Sample ID:	260468	Sample Dates:	6/12/2013 - 6/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	SASSAFRAS
				I-131	<4.81E+01	0.00E+00	4.81E+01		
				Cs-134	<9.68E+00	0.00E+00	9.68E+00		
				Cs-137	5.23E+01	6.19E+00	9.24E+00		
				Be-7	5.86E+02	5.83E+01	1.06E+02		
				K-40	3.27E+03	1.36E+02	1.11E+02		
Sample ID:	263023	Sample Dates:	7/10/2013 - 7/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WAXMYRTLE
				I-131	<3.96E+01	0.00E+00	3.96E+01		
				Cs-134	<2.63E+01	0.00E+00	2.63E+01		
				Cs-137	<3.85E+01	0.00E+00	3.85E+01		
				Be-7	1.18E+03	1.64E+02	2.42E+02		
				K-40	3.52E+03	2.82E+02	2.52E+02		
Sample ID:	263024	Sample Dates:	7/10/2013 - 7/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WILDCHERRY
				I-131	<2.19E+01	0.00E+00	2.19E+01		
				Cs-134	<1.42E+01	0.00E+00	1.42E+01		
				Cs-137	4.48E+01	7.61E+00	1.58E+01		
				Be-7	1.05E+03	1.07E+02	1.36E+02		
				K-40	3.92E+03	2.23E+02	2.11E+02		
Sample ID:	263025	Sample Dates:	7/10/2013 - 7/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	SASSAFRAS
				I-131	<2.58E+01	0.00E+00	2.58E+01		
				Cs-134	<1.05E+01	0.00E+00	1.05E+01		
				Cs-137	1.62E+02	8.63E+00	1.07E+01		
				Be-7	1.94E+03	8.00E+01	9.02E+01		
				K-40	2.54E+03	1.24E+02	1.02E+02		
Sample ID:	265366	Sample Dates:	8/6/2013 - 8/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WAXMYRTLE
				I-131	<3.75E+01	0.00E+00	3.75E+01		
				Cs-134	<2.27E+01	0.00E+00	2.27E+01		
				Cs-137	<2.28E+01	0.00E+00	2.28E+01		
				Be-7	6.16E+02	9.00E+01	1.51E+02		
				K-40	1.77E+03	2.30E+02	2.85E+02		
Sample ID:	265367	Sample Dates:	8/6/2013 - 8/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	SASSAFRAS
				I-131	<2.74E+01	0.00E+00	2.74E+01		

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 52 [CONTROL - W @ 10 miles]

Sample ID:	265367	Sample Dates:	8/6/2013 - 8/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	SASSAFRAS
				Cs-134	<1.58E+01	0.00E+00	1.58E+01		
				Cs-137	<2.56E+01	0.00E+00	2.56E+01		
				Be-7	8.57E+02	9.68E+01	1.71E+02		
				K-40	1.86E+03	2.18E+02	2.00E+02		
Sample ID:	265368	Sample Dates:	8/6/2013 - 8/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WILDCHERRY
				I-131	<1.08E+01	0.00E+00	1.08E+01		
				Cs-134	<5.75E+00	0.00E+00	5.75E+00		
				Cs-137	3.82E+01	3.66E+00	5.63E+00		
				Be-7	8.50E+02	4.90E+01	5.11E+01		
				K-40	3.21E+03	1.08E+02	6.75E+01		
Sample ID:	270812	Sample Dates:	9/11/2013 - 9/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WAXMYRTLE
				I-131	<1.71E+01	0.00E+00	1.71E+01		
				Cs-134	<8.17E+00	0.00E+00	8.17E+00		
				Cs-137	<9.64E+00	0.00E+00	9.64E+00		
				Be-7	1.07E+03	6.04E+01	8.55E+01		
				K-40	2.46E+03	1.14E+02	8.12E+01		
Sample ID:	270813	Sample Dates:	9/11/2013 - 9/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	SASSAFRAS
				I-131	<1.87E+01	0.00E+00	1.87E+01		
				Cs-134	<9.31E+00	0.00E+00	9.31E+00		
				Cs-137	3.54E+01	7.10E+00	1.04E+01		
				Be-7	2.48E+03	9.79E+01	1.06E+02		
				K-40	2.04E+03	1.27E+02	1.47E+02		
Sample ID:	270814	Sample Dates:	9/11/2013 - 9/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WILDCHERRY
				I-131	<2.31E+01	0.00E+00	2.31E+01		
				Cs-134	<1.88E+01	0.00E+00	1.88E+01		
				Cs-137	<1.80E+01	0.00E+00	1.80E+01		
				Be-7	2.40E+03	1.35E+02	1.41E+02		
				K-40	3.26E+03	2.21E+02	1.82E+02		

Sample Point 62 [INDICATOR - SE @ 0 miles]

Sample ID:	258283	Sample Dates:	5/14/2013 - 5/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WILDCHERRY
				I-131	<3.76E+01	0.00E+00	3.76E+01		
				Cs-134	<2.12E+01	0.00E+00	2.12E+01		
				Cs-137	2.61E+01	1.14E+01	2.14E+01		
				Be-7	5.99E+02	1.01E+02	1.87E+02		
				K-40	<9.27E+02	0.00E+00	9.27E+02		
Sample ID:	258284	Sample Dates:	5/14/2013 - 5/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WAXMYRTLE
				I-131	<2.67E+01	0.00E+00	2.67E+01		
				Cs-134	<1.57E+01	0.00E+00	1.57E+01		
				Cs-137	<2.14E+01	0.00E+00	2.14E+01		
				Be-7	8.25E+02	8.43E+01	1.13E+02		
				K-40	2.65E+03	2.22E+02	1.75E+02		
Sample ID:	258285	Sample Dates:	5/14/2013 - 5/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	SASSAFRAS
				I-131	<2.12E+01	0.00E+00	2.12E+01		
				Cs-134	<1.29E+01	0.00E+00	1.29E+01		
				Cs-137	1.13E+02	1.14E+01	1.17E+01		
				Be-7	6.45E+02	8.21E+01	1.01E+02		
				K-40	3.30E+03	1.74E+02	1.39E+02		
Sample ID:	260469	Sample Dates:	6/12/2013 - 6/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WAXMYRTLE
				I-131	<4.59E+01	0.00E+00	4.59E+01		
				Cs-134	<1.98E+01	0.00E+00	1.98E+01		
				Cs-137	3.73E+01	1.04E+01	2.48E+01		
				Be-7	8.78E+02	1.02E+02	2.15E+02		
				K-40	3.50E+03	2.62E+02	1.45E+02		
Sample ID:	260470	Sample Dates:	6/12/2013 - 6/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WILDCHERRY
				I-131	<3.34E+01	0.00E+00	3.34E+01		
				Cs-134	<2.55E+01	0.00E+00	2.55E+01		
				Cs-137	<3.43E+01	0.00E+00	3.43E+01		
				Be-7	4.91E+02	1.25E+02	2.22E+02		
				K-40	3.30E+03	2.85E+02	1.80E+02		

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 62 [INDICATOR - SE @ 0 miles]

Sample ID:	260471	Sample Dates:	6/12/2013 - 6/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	SASSAFRAS
				I-131	<5.17E+01	0.00E+00	5.17E+01		
				Cs-134	<2.57E+01	0.00E+00	2.57E+01		
				Cs-137	4.30E+01	1.62E+01	2.68E+01		
				Be-7	1.32E+03	1.38E+02	1.78E+02		
				K-40	3.37E+03	3.48E+02	3.57E+02		
Sample ID:	263026	Sample Dates:	7/10/2013 - 7/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WAXMYRTLE
				I-131	<4.16E+01	0.00E+00	4.16E+01		
				Cs-134	<1.79E+01	0.00E+00	1.79E+01		
				Cs-137	1.72E+01	9.15E+00	1.56E+01		
				Be-7	1.84E+03	1.20E+02	1.50E+02		
				K-40	3.06E+03	2.05E+02	1.89E+02		
Sample ID:	263027	Sample Dates:	7/10/2013 - 7/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WILDCHERRY
				I-131	<3.62E+01	0.00E+00	3.62E+01		
				Cs-134	<2.07E+01	0.00E+00	2.07E+01		
				Cs-137	<2.84E+01	0.00E+00	2.84E+01		
				Be-7	1.16E+03	1.36E+02	1.82E+02		
				K-40	3.85E+03	3.25E+02	2.81E+02		
Sample ID:	263028	Sample Dates:	7/10/2013 - 7/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	SASSAFRAS
				I-131	<1.84E+01	0.00E+00	1.84E+01		
				Cs-134	<1.07E+01	0.00E+00	1.07E+01		
				Cs-137	3.62E+01	7.26E+00	1.16E+01		
				Be-7	1.69E+03	8.61E+01	1.01E+02		
				K-40	3.38E+03	1.42E+02	1.21E+02		
Sample ID:	265369	Sample Dates:	8/6/2013 - 8/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WAXMYRTLE
				I-131	<3.48E+01	0.00E+00	3.48E+01		
				Cs-134	<1.72E+01	0.00E+00	1.72E+01		
				Cs-137	<2.80E+01	0.00E+00	2.80E+01		
				Be-7	1.16E+03	1.48E+02	2.07E+02		
				K-40	2.53E+03	2.68E+02	3.54E+02		
Sample ID:	265370	Sample Dates:	8/6/2013 - 8/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	SASSAFRAS
				I-131	<1.43E+01	0.00E+00	1.43E+01		
				Cs-134	<5.85E+00	0.00E+00	5.85E+00		
				Cs-137	3.39E+01	3.85E+00	6.98E+00		
				Be-7	2.29E+03	6.72E+01	6.77E+01		
				K-40	2.47E+03	9.44E+01	7.64E+01		
Sample ID:	265371	Sample Dates:	8/6/2013 - 8/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WILDCHERRY
				I-131	<2.22E+01	0.00E+00	2.22E+01		
				Cs-134	<1.92E+01	0.00E+00	1.92E+01		
				Cs-137	<2.17E+01	0.00E+00	2.17E+01		
				Be-7	9.36E+02	1.38E+02	1.52E+02		
				K-40	3.09E+03	2.83E+02	2.17E+02		
Sample ID:	270815	Sample Dates:	9/11/2013 - 9/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WAXMYRTLE
				I-131	<3.50E+01	0.00E+00	3.50E+01		
				Cs-134	<2.22E+01	0.00E+00	2.22E+01		
				Cs-137	<2.27E+01	0.00E+00	2.27E+01		
				Be-7	1.22E+03	1.57E+02	2.07E+02		
				K-40	3.15E+03	2.42E+02	1.96E+02		
Sample ID:	270816	Sample Dates:	9/11/2013 - 9/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	SASSAFRAS
				I-131	<3.16E+01	0.00E+00	3.16E+01		
				Cs-134	<2.06E+01	0.00E+00	2.06E+01		
				Cs-137	<4.30E+01	0.00E+00	4.30E+01		
				Be-7	1.66E+03	1.85E+02	2.03E+02		
				K-40	3.91E+03	3.78E+02	3.30E+02		
Sample ID:	270817	Sample Dates:	9/11/2013 - 9/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WILDCHERRY
				I-131	<2.71E+01	0.00E+00	2.71E+01		
				Cs-134	<1.97E+01	0.00E+00	1.97E+01		
				Cs-137	<2.09E+01	0.00E+00	2.09E+01		
				Be-7	4.86E+02	8.89E+01	1.45E+02		
				K-40	3.72E+03	2.61E+02	2.59E+02		

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 67 [INDICATOR - S @ 0 miles]

Sample ID:	258286	Sample Dates:	5/14/2013 - 5/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				I-131	<2.69E+01	0.00E+00	2.69E+01	
				Cs-134	<1.32E+01	0.00E+00	1.32E+01	
				Cs-137	5.56E+01	7.57E+00	1.39E+01	
				Be-7	2.40E+02	6.89E+01	1.20E+02	
				K-40	2.73E+03	1.81E+02	9.16E+01	
Sample ID:	258287	Sample Dates:	5/14/2013 - 5/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				I-131	<5.74E+01	0.00E+00	5.74E+01	
				Cs-134	<2.27E+01	0.00E+00	2.27E+01	
				Cs-137	<3.35E+01	0.00E+00	3.35E+01	
				Be-7	1.65E+03	2.21E+02	2.78E+02	
				K-40	1.96E+03	2.69E+02	4.28E+02	
Sample ID:	258288	Sample Dates:	5/14/2013 - 5/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				I-131	<3.69E+01	0.00E+00	3.69E+01	
				Cs-134	<1.89E+01	0.00E+00	1.89E+01	
				Cs-137	1.85E+02	1.68E+01	2.40E+01	
				Be-7	7.56E+02	1.27E+02	1.82E+02	
				K-40	4.12E+03	2.86E+02	2.26E+02	
Sample ID:	260472	Sample Dates:	6/12/2013 - 6/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				I-131	<3.37E+01	0.00E+00	3.37E+01	
				Cs-134	<1.59E+01	0.00E+00	1.59E+01	
				Cs-137	2.08E+01	7.71E+00	1.91E+01	
				Be-7	5.51E+02	1.21E+02	1.62E+02	
				K-40	1.36E+03	1.95E+02	2.02E+02	
Sample ID:	260473	Sample Dates:	6/12/2013 - 6/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				I-131	<2.67E+01	0.00E+00	2.67E+01	
				Cs-134	<1.80E+01	0.00E+00	1.80E+01	
				Cs-137	5.28E+01	1.10E+01	2.04E+01	
				Be-7	4.84E+02	1.09E+02	1.57E+02	
				K-40	2.57E+03	2.23E+02	2.43E+02	
Sample ID:	260474	Sample Dates:	6/12/2013 - 6/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				I-131	<3.63E+01	0.00E+00	3.63E+01	
				Cs-134	<2.21E+01	0.00E+00	2.21E+01	
				Cs-137	<2.78E+01	0.00E+00	2.78E+01	
				Be-7	5.85E+02	1.46E+02	2.09E+02	
				K-40	4.12E+03	2.87E+02	1.44E+02	
Sample ID:	263029	Sample Dates:	7/10/2013 - 7/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				I-131	<3.88E+01	0.00E+00	3.88E+01	
				Cs-134	<2.30E+01	0.00E+00	2.30E+01	
				Cs-137	2.66E+01	1.01E+01	3.06E+01	
				Be-7	6.26E+02	1.59E+02	2.34E+02	
				K-40	1.37E+03	2.34E+02	3.10E+02	
Sample ID:	263030	Sample Dates:	7/10/2013 - 7/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				I-131	<1.30E+01	0.00E+00	1.30E+01	
				Cs-134	<7.91E+00	0.00E+00	7.91E+00	
				Cs-137	4.71E+01	5.53E+00	9.15E+00	
				Be-7	9.28E+02	5.88E+01	7.39E+01	
				K-40	2.45E+03	1.11E+02	9.34E+01	
Sample ID:	263031	Sample Dates:	7/10/2013 - 7/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				I-131	<2.26E+01	0.00E+00	2.26E+01	
				Cs-134	<1.22E+01	0.00E+00	1.22E+01	
				Cs-137	3.66E+01	7.54E+00	1.22E+01	
				Be-7	1.90E+03	1.08E+02	1.13E+02	
				K-40	1.93E+03	1.68E+02	1.54E+02	
Sample ID:	265372	Sample Dates:	8/6/2013 - 8/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
				I-131	<4.42E+01	0.00E+00	4.42E+01	
				Cs-134	<2.63E+01	0.00E+00	2.63E+01	
				Cs-137	<3.28E+01	0.00E+00	3.28E+01	
				Be-7	2.30E+03	1.94E+02	2.48E+02	
				K-40	2.71E+03	3.05E+02	3.98E+02	

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



H. B. Robinson Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 67 [INDICATOR - S @ 0 miles]

Sample ID:	265373	Sample Dates:	8/6/2013 - 8/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	SASSAFRAS
				I-131	<1.44E+01	0.00E+00	1.44E+01		
				Cs-134	<9.36E+00	0.00E+00	9.36E+00		
				Cs-137	3.08E+01	6.77E+00	9.38E+00		
				Be-7	1.73E+03	8.89E+01	7.50E+01		
				K-40	2.67E+03	1.42E+02	9.33E+01		
Sample ID:	265374	Sample Dates:	8/6/2013 - 8/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WILDCHERRY
				I-131	<3.49E+01	0.00E+00	3.49E+01		
				Cs-134	<1.71E+01	0.00E+00	1.71E+01		
				Cs-137	<2.40E+01	0.00E+00	2.40E+01		
				Be-7	5.75E+02	9.86E+01	1.77E+02		
				K-40	3.22E+03	2.72E+02	3.31E+02		
Sample ID:	270818	Sample Dates:	9/11/2013 - 9/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WAXMYRTLE
				I-131	<3.90E+01	0.00E+00	3.90E+01		
				Cs-134	<2.21E+01	0.00E+00	2.21E+01		
				Cs-137	<3.00E+01	0.00E+00	3.00E+01		
				Be-7	4.41E+02	1.04E+02	1.94E+02		
				K-40	3.67E+03	3.46E+02	3.26E+02		
Sample ID:	270819	Sample Dates:	9/11/2013 - 9/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	SASSAFRAS
				I-131	<2.19E+01	0.00E+00	2.19E+01		
				Cs-134	<9.82E+00	0.00E+00	9.82E+00		
				Cs-137	2.66E+01	6.08E+00	1.10E+01		
				Be-7	1.13E+03	5.81E+01	8.97E+01		
				K-40	4.32E+03	1.50E+02	8.97E+01		
Sample ID:	270820	Sample Dates:	9/11/2013 - 9/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:	WILDCHERRY
				I-131	<2.18E+01	0.00E+00	2.18E+01		
				Cs-134	<8.19E+00	0.00E+00	8.19E+00		
				Cs-137	1.70E+01	7.45E+00	1.04E+01		
				Be-7	6.61E+02	5.18E+01	7.55E+01		
				K-40	4.59E+03	1.42E+02	7.82E+01		

(1) Analysis results generated by Harris Energy and Environmental Center display 2 sigma error; results generated by EnRad Laboratory display 1 sigma error.



APPENDIX F

ERRATA TO

PREVIOUS REPORTS

APPENDIX F

ERRATA TO THE 2013 AREOR

There are no errata to be appended to the 2013 AREOR.