DUKE ENERGY®

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MAY 1 3 2015

Serial: BSEP 15-0038

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
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Subject: Brunswick Steam Electric Plant, Unit Nos. 1 and 2
Renewed Facility Operating License Nos. DPR-71 and DPR-62
Docket Nos. 50-325 and 50-324
Radiological Environmental Operating Report for 2014

Ladies and Gentlemen:

In accordance with Technical Specification (TS) 5.6.2 for the Brunswick Steam Electric Plant (BSEP), Unit Nos. 1 and 2, Duke Energy Progress, Inc., is submitting the enclosed Radiological Environmental Operating Report for 2014.

No regulatory commitments are contained in this submittal. Please refer any questions regarding this submittal to Mr. Lee Grzeck, Manager - Regulatory Affairs, at (910) 457-2487.

Sincerely,

Annette H. Pope
Director – Organizational Effectiveness
Brunswick Steam Electric Plant

AHP/ahs

Enclosure: Radiological Environmental Operating Report for 2014

IE25
NRR

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Radiological Environmental Operating Report for 2014

DUKE ENERGY.

ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT

DUKE ENERGY PROGRESS, INC.

BRUNSWICK STEAM ELECTRIC PLANT

2014

TABLE OF CONTENTS

APPENDICES

LIST OF FIGURES

LIST OF TABLES

LIST OF TABLES CONTINUED

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

A	Annually
ADM	Archer-Daniels-Midland Chemical Company
AP	Air Particulate
AR	Air Radioiodine = Air Cartridge
BO	Benthic Organisms
BSEP	Brunswick Steam Electric Plant
C	Control
CR	Condition Report - Corrective Action Program
EPA	Environmental Protection Agency
ERA	Environmental Resource Associates
EZA	Eckert & Ziegler Analytics, Inc.
FSS	Fleet Scientific Services
GEL	General Engineering Laboratories, Inc.
GPS	Global Positioning System
GW	Ground water
HEEC	Harris Energy & Environmental Center
I	Indicator
IR	Inner Ring - TLDs
ISFSI	Independent Spent Fuel Storage Installation
LLD	Lower Limit of Detection
M	Monthly
MDA	Minimum Detectable Activity
mrem	Millirem
MSL	Mean sea level
MWe	megawatts
NIST	National Institute of Standards and Technology
NRC	Nuclear Regulatory Commission
OD	Ocean discharge
ODCM	Offsite 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
PMAC	Projected Maximum Annual Concentration
Q	Quarterly
REMP	Radiological Environmental Monitoring Program
SA	Semiannually
SDSP	Storm Drain Stabilization Pond
SH	Shellfish
SI	Special Interest - TLDs
SW	Surface Water
TLD	Thermoluminescent Dosimeter
W	Weekly

1.0 EXECUTIVE SUMMARY

The Brunswick Steam Electric Plant (BSEP), Unit Nos. 1 and 2, is operated by Duke Energy Progress, Inc. under licenses granted by the Nuclear Regulatory Commission (NRC). Provisions of the Nuclear Regulatory Commission's Regulatory Guide 4.8, BSEP Plant Technical Specifications 5.6.2, and the BSEP Offsite Dose Calculation Manual (ODCM) establish the requirements of the Radiological Environmental Monitoring Program (REMP). This report describes the BSEP REMP and the program results for January 1, 2014, through December 31, 2014.

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

Sampling activities were conducted as prescribed by the BSEP ODCM. Required analyses were performed and detection capabilities were met for the collected samples required by the ODCM. One thousand eight hundred and one samples were analyzed comprising 2,047 test results in order to compile data for the 2014 BSEP Annual Radiological Environmental Operating Report (AREOR). Based on the annual BSEP land use census, the current number of sampling sites for BSEP is sufficient.

Concentrations observed in the environment in 2014 for plant related radionuclides were within the ranges of concentrations observed in the past. Inspection of the data showed that radioactivity concentrations were as expected and positively identified measurements attributable to plant operation were within limits as specified in the BSEP ODCM.

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

2.0 INTRODUCTION

2.1 SITE DESCRIPTION AND SAMPLE LOCATIONS

Duke Energy's Brunswick Steam Electric Plant (BSEP) consists of two boiling water reactors with a design rating of 2923 megawatts (MWe) thermal. Commercial production was initiated by Unit 2 on November 3, 1975 and by Unit 1 on March 18, 1977. BSEP is located in Brunswick County, North Carolina. The site is along state route 87 approximately two and a half miles north of Southport, North Carolina. The community of Boiling Spring Lakes is about three miles northwest of the site. The towns of Caswell Beach and Oak Island are on a barrier island south of the plant. The site is also approximately 16 miles south of Wilmington, North Carolina.

The Cape Fear River is east of the plant and cooling water is drawn from the river through a canal. The cooling water and plant liquid effluents are both discharged to the Atlantic Ocean through a canal, pumping station, and piping. The discharge point is south of the town of Caswell Beach.

The plant site varies in elevation from sea level to 30 feet above mean sea level (MSL). It is surrounded by extensive marshes. The lower Cape Fear River is an important nursery area for shellfish and other marine species.

The local economy supports significant recreational, industrial, agricultural, and government contributions. There is well-developed recreational use of the barrier islands south and east of the site. Fishing and boating are popular activities. Commercial fishing is also an important industry in the community. Agriculture utilizes some of the land within 50 miles of the site; such as small truck farms, cattle, poultry, and row crops including corn, soybeans and tobacco. Industrial activity includes the Archer-Daniels-Midland Chemical (ADM) Company, a manufacturer of citric acid, located one and a half miles southeast of the plant. In conjunction with the citric acid plant is a small electrical generating station operated by Capital Power, Inc. This coal-fired station is composed of two units rated at 55 MWe each.

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

Sampling locations are chosen based upon meteorological factors, preoperational monitoring, and results of the land use surveys. A number of locations are selected as controls. Control stations are selected because they are very unlikely to be affected by the operation of the plant. Figures 2.1-1 through 2.1-14 are maps depicting the BSEP sampling locations and the BSEP

Thermoluminescent Dosimeter (TLD) monitoring locations. The location numbers shown on these maps correspond to those listed in Tables 2.1-A and 2.1-B.

2.2 SCOPE AND REQUIREMENTS OF THE REMP

The Radiological Environmental Monitoring Program (REMP) was established in 1973 at the Brunswick Steam Electric Plant (BSEP). Radiation and radioactivity in various environmental media have been monitored for 40 years, including monitoring in excess of a year prior to commencing operation. Monitoring is also provided for control locations, which would not be impacted by operations of BSEP. Using the data from the control locations and the historical data collected prior to operation allows comparison of data collected at locations near the BSEP which could potentially be impacted by its operations.

This monitoring program is based on NRC guidance as reflected in the BSEP Offsite 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 BSEP. 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 BSEP 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 the land use. This census satisfies the requirements of Section IV.B.3 of Appendix I to 10 CFR 50. Results are shown in Table 3.8-A and 3.8-B.

Participation in an interlaboratory comparison program is performed in fulfillment of BSEP ODCM Operational Requirement 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):

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

Where:

$\overline{x}$ = estimate of the mean,
i = individual sample,
N = total number of samples with a net activity (or concentration),
χ_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 Offsite Dose Calculation Manual (ODCM), is the smallest concentration of radioactive material in an unknown sample that will yield a net count, above the system background, that will be detected with 95% probability with a 5% probability of falsely concluding that a blank observation represents a "real" signal. The LLD is an *a priori* lower limit of detection. The actual LLD is dependent upon the standard deviation of the background counting rate, the counting efficiency, the sample size (mass or volume), the radiochemical yield and the radioactive decay of the sample between sample collection and counting. The "required" LLD's for each sample medium and selected radionuclides are given in the ODCMs 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.

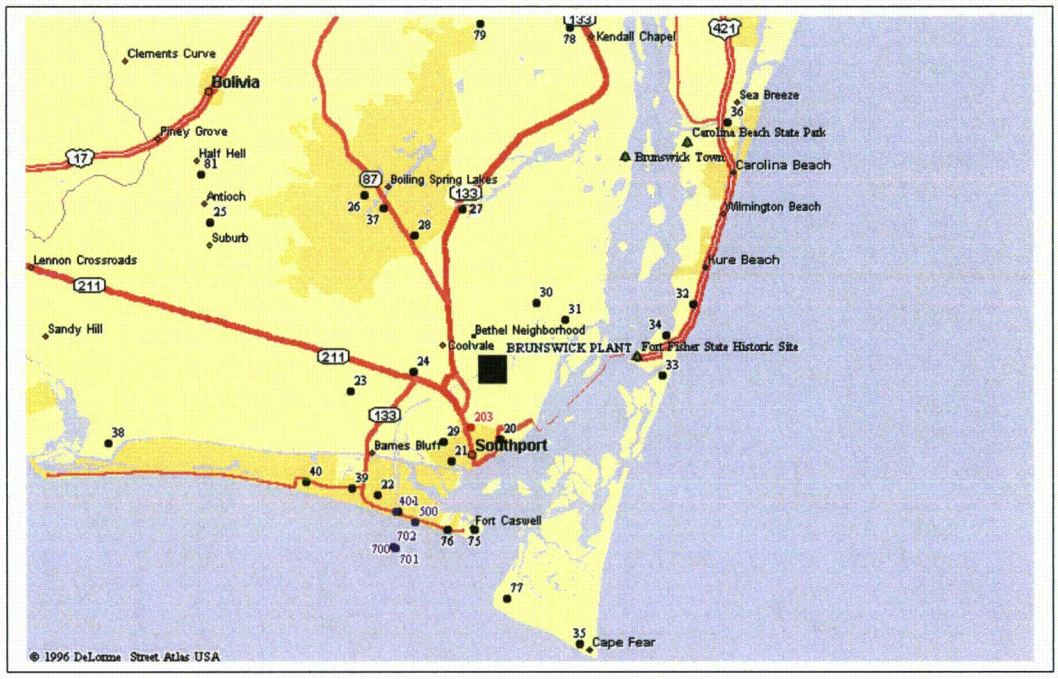
2.3.3 TREND IDENTIFICATION

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

BSEP Radiological Environmental Sampling Locations
(Distant from Plant)



Stations not illustrated:

204 (Sutton Plant in Wilmington)

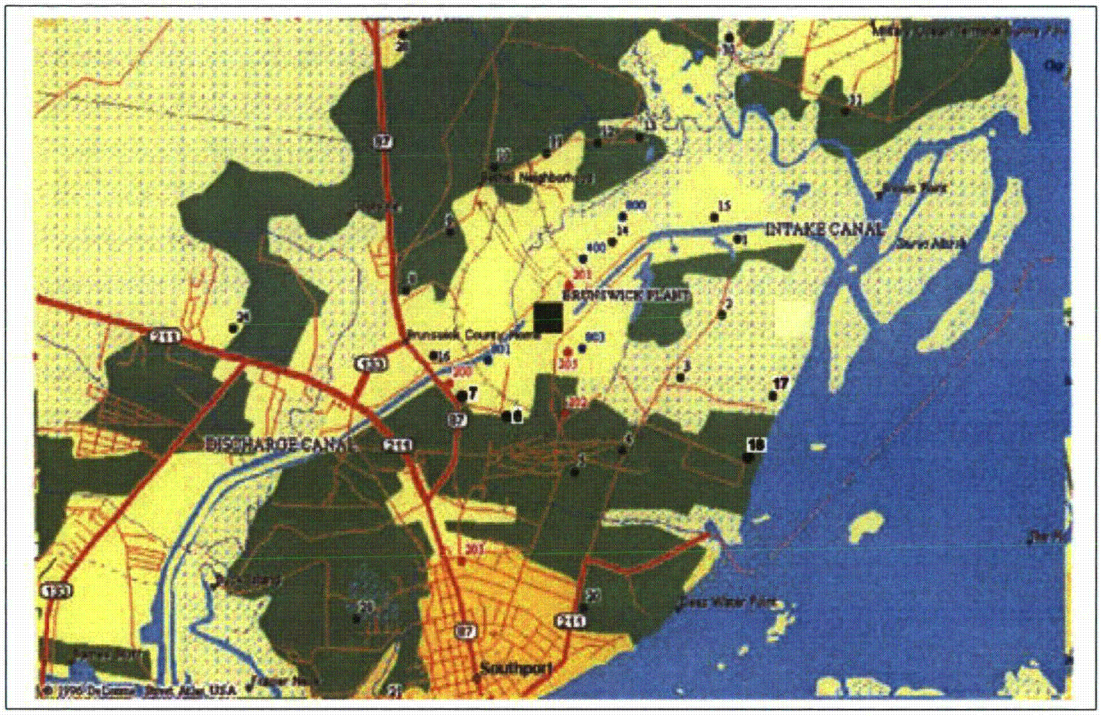
206 (Brunswick County Complex) - (Control Air Stations)

703, 704, 705 (Location not Specified in the Atlantic Ocean)(Control Fish Station)

802 (Location not specified) (Control Vegetation)

Figure 2.1-2

BSEP Radiological Environmental Sampling Locations
(Nearest Plant)



This is an expanded view of Figure 2.1-1.

Figure 2.1-3

BSEP Radiological Environmental Sampling Locations
Independent Spent Fuel Storage Installation (ISFSI) TLDs

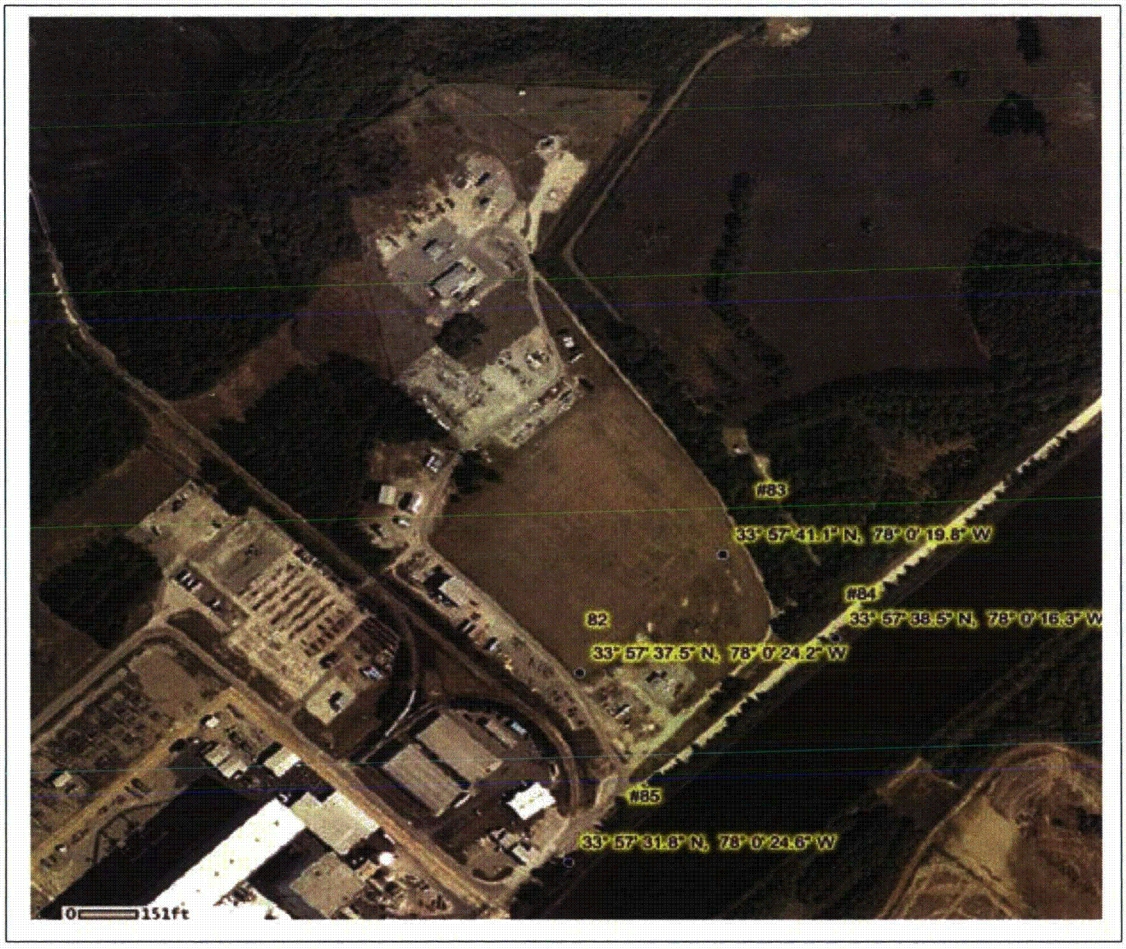


Figure 2.1-4

Radiological Environmental Sampling Locations

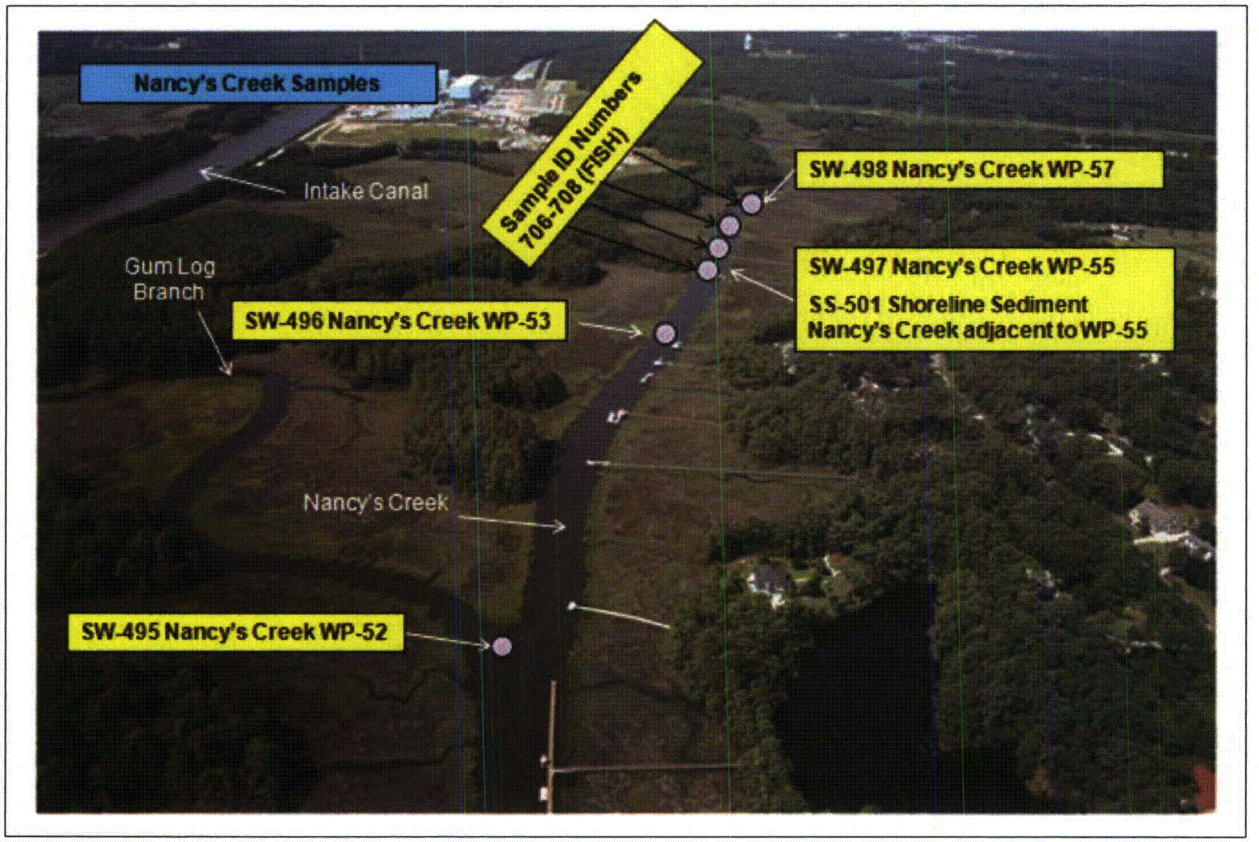


Figure 2.1-5

Radiological Environmental Sampling Locations (Continued)

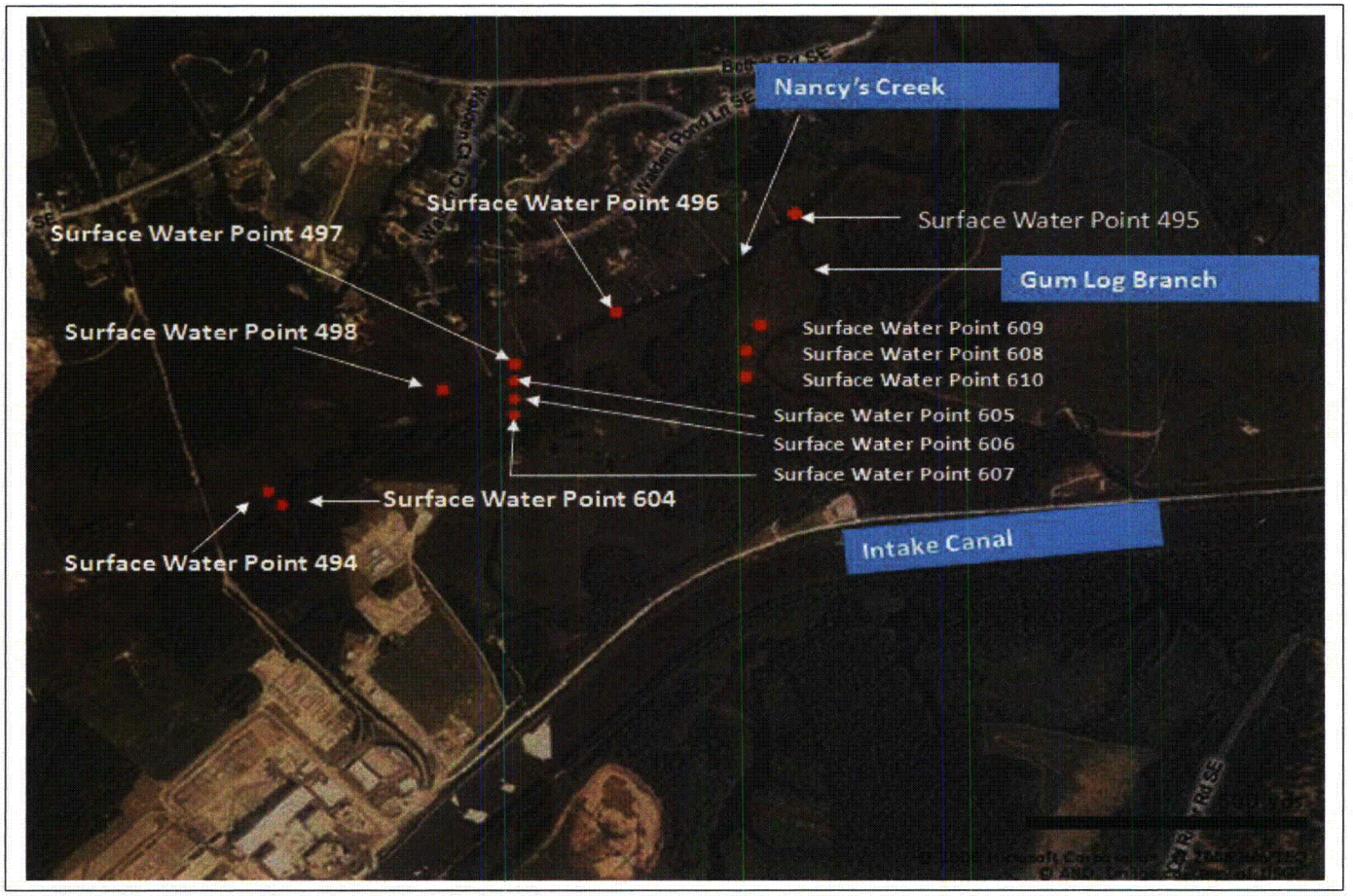


Figure 2.1-6

Radiological Environmental Sampling Locations (Continued)

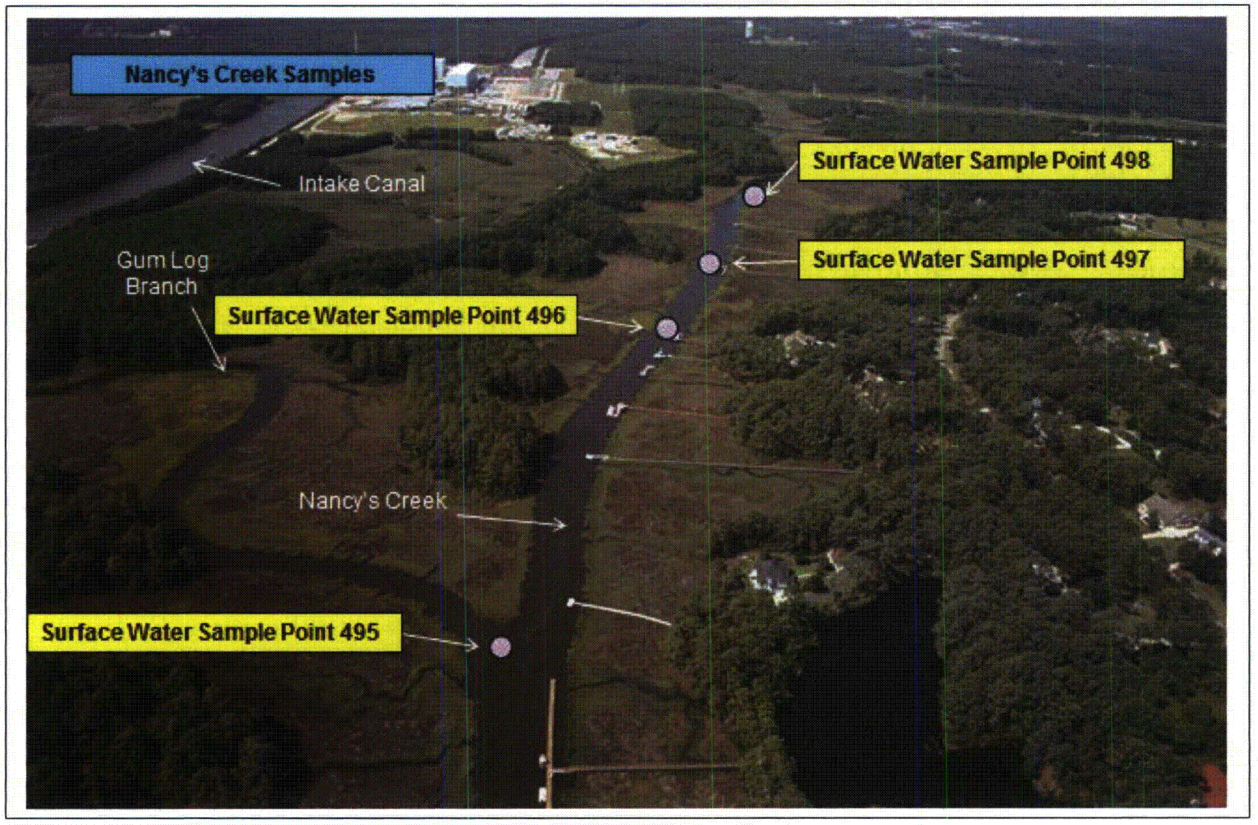


Figure 2.1-7

Radiological Environmental Sampling Locations (Continued)

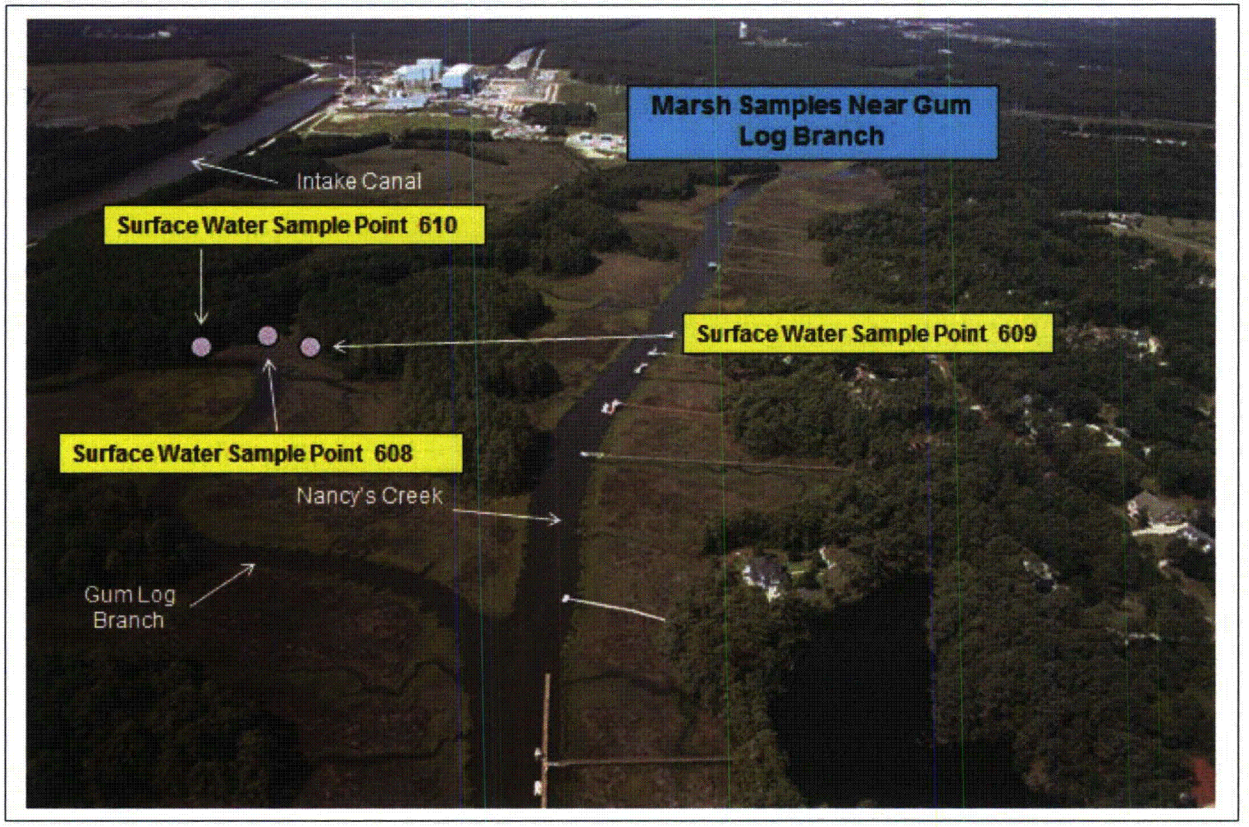


Figure 2.1-8

Radiological Environmental Sampling Locations (Continued)

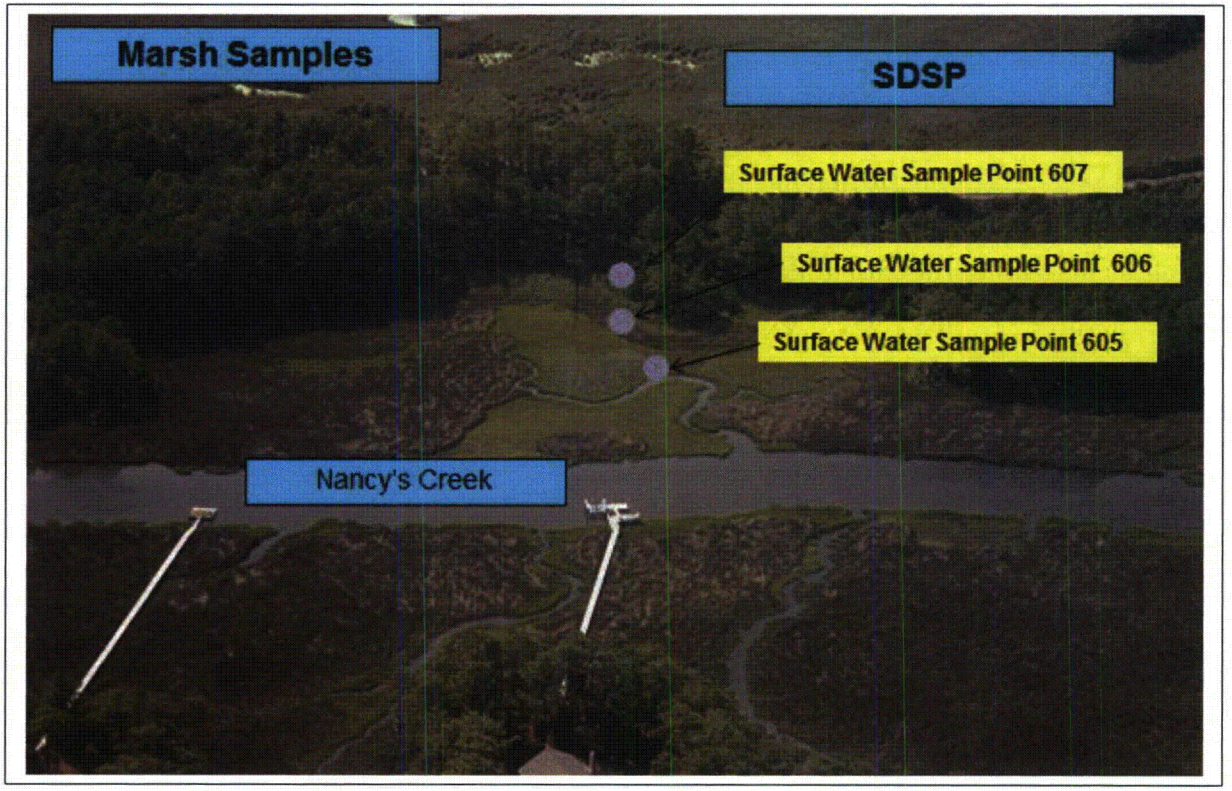


Figure 2.1-9

Radiological Environmental Sampling Locations (Continued)

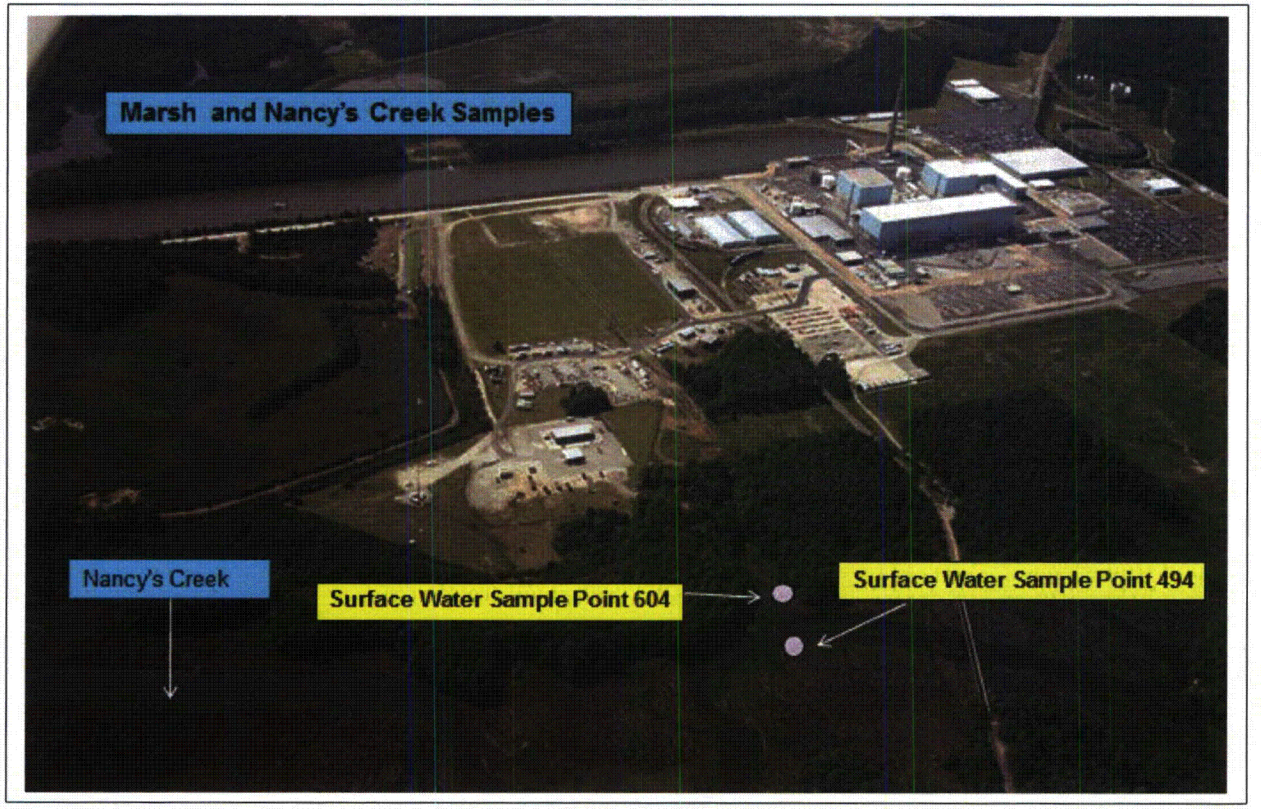
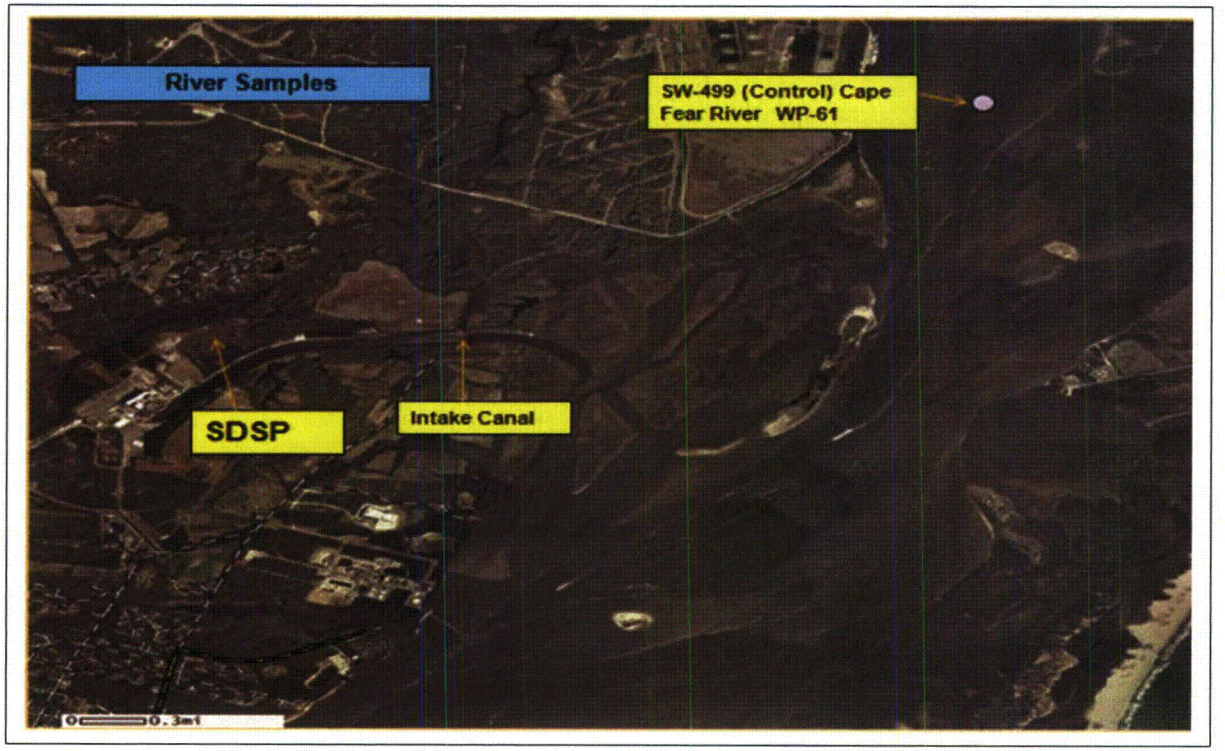


Figure 2.1-10

Radiological Environmental Sampling Locations (Continued)



SDSP: Storm Drain Stabilization Pond

Figure 2.1-11

Radiological Environmental Sampling Locations - Wells

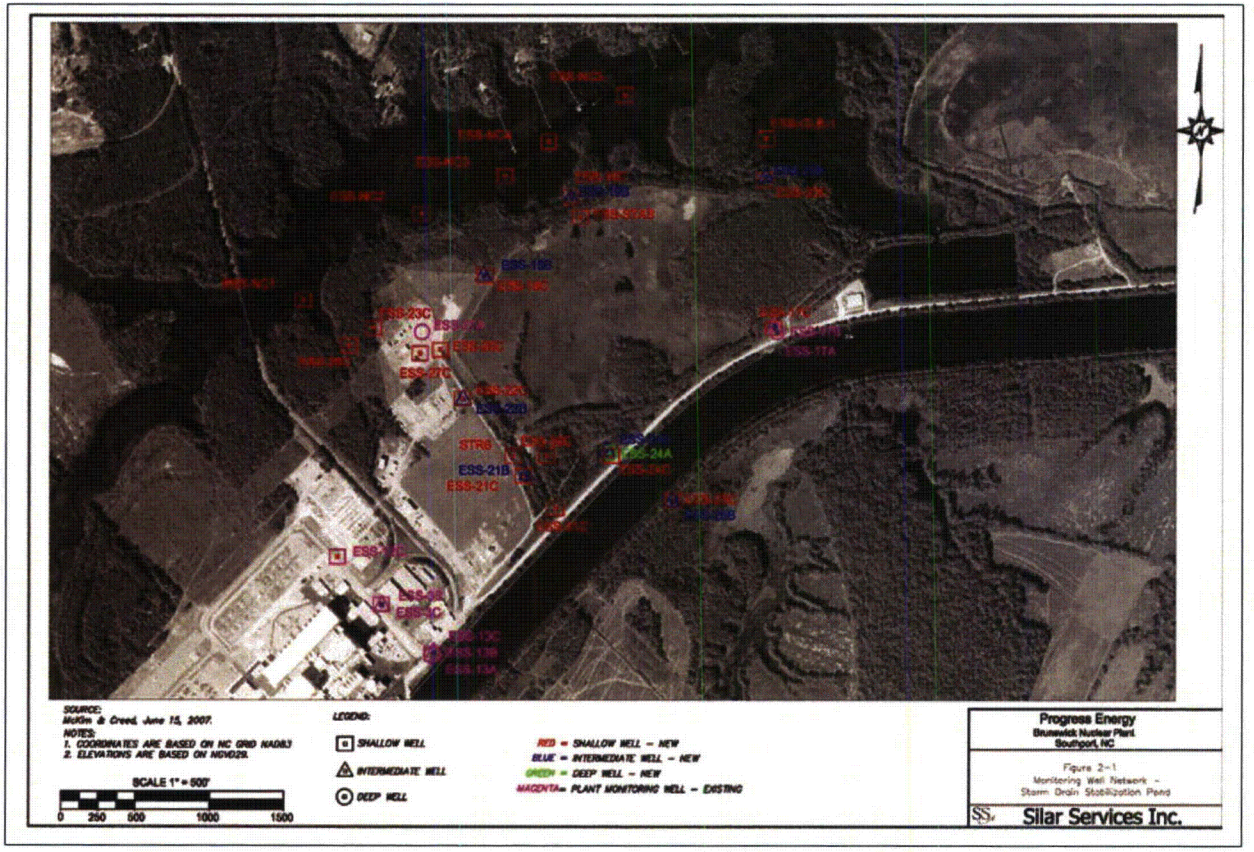
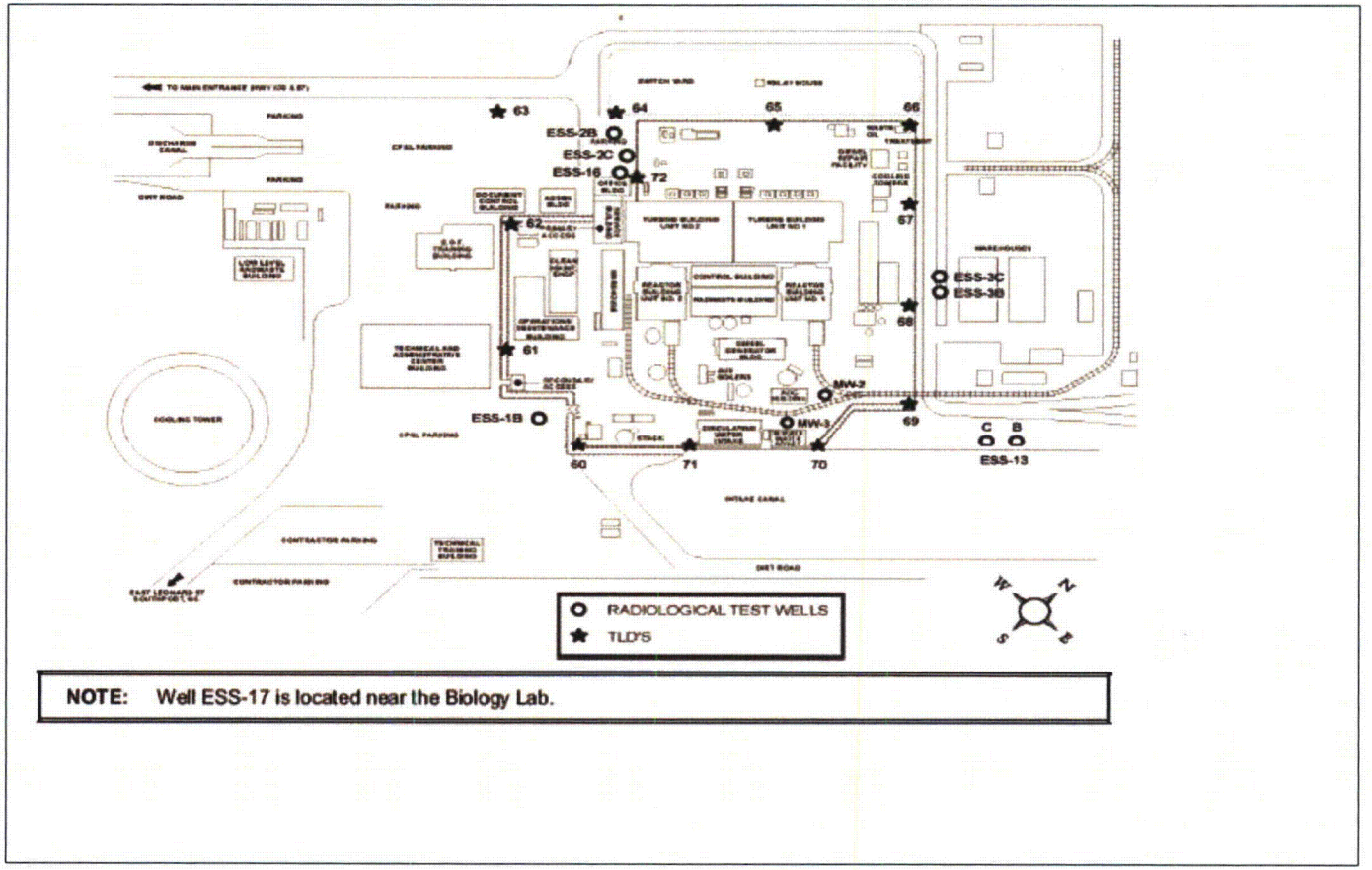


Figure 2.1-12

Radiological Environmental Sampling Locations – Wells (Continued)

Figure 2.1-13

Radiological Environmental Sampling Locations – Wells (Continued)



NOTE: Well ESS-17 is located near the Biology Lab.

Figure 2.1-14

Radiological Environmental Sampling Locations – Wells (Continued)

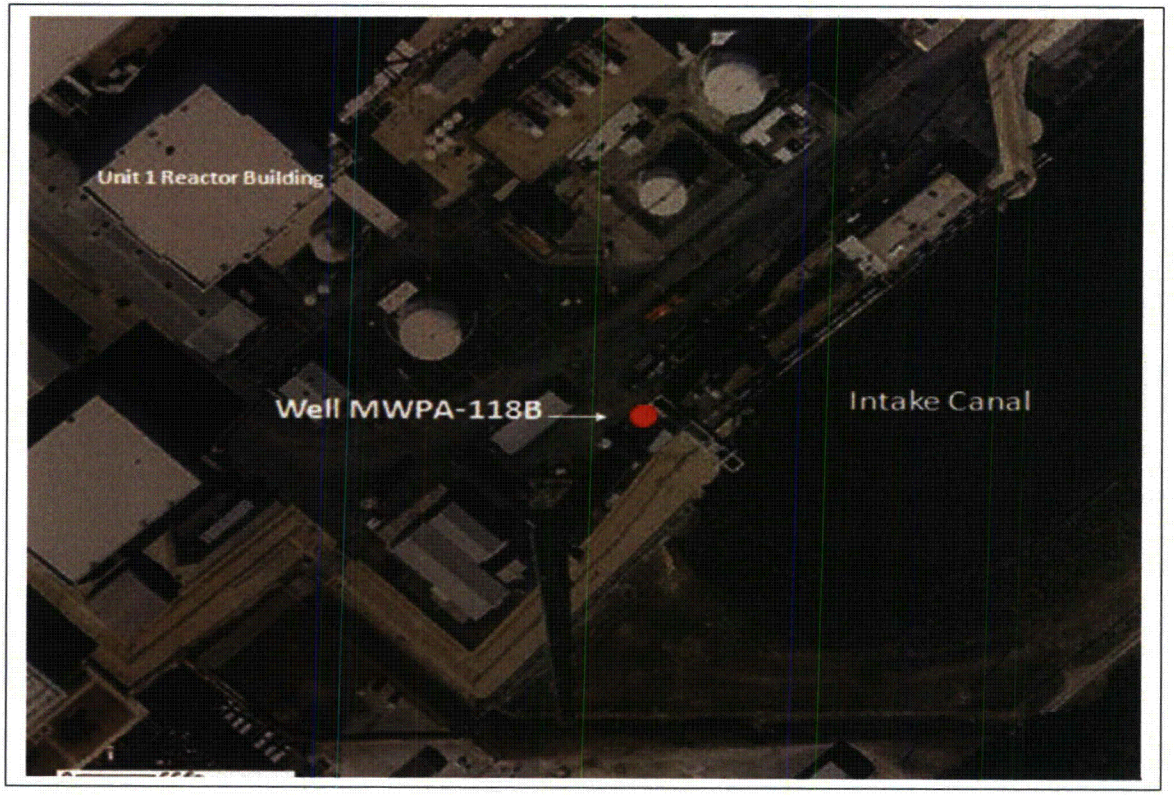


TABLE 2.1-A

BRUNSWICK STEAM ELECTRIC PLANT (BSEP)

RADIOLOGICAL MONITORING PROGRAM SAMPLING LOCATIONS

Table 2.1-A Codes			
W	Weekly	SA	Semiannually
M	Monthly	A	Annually
Q	Quarterly		
C	Control	I	Indicator

Site #	Type	Location Description*	Air Radioidine & Air Particulate	Surface Water	Shoreline Sediment	Fish (FI)	Broadleaf Vegetation	Ground Water
200	I	1.0 miles WSW – Visitors Center	W/Q					
201	I	0.5 miles NE – Bio Lab Rd. – Projected Maximum Annual Concentration (PMAC)	W/Q					
202	I	1.0 mile S – Substation, Construction Rd.	W/Q					
203	I	2.0 miles SSW – Southport Substation	W/Q					
204	C	22.4 miles NNE – Sutton Plant (Historical Control)	W/Q					
205	I	0.6 miles SSE – Spoil Pond	W/Q					
206	C	11.3 miles NW – Brunswick County Complex	W/Q					
400	C	0.6 miles NE – Intake Canal		M				
401	I	4.9 miles SSW – Discharge Canal @ OD Pumps		M				
404	I	0.16 miles SW, Monitoring Well ESS-1B						Q/SA
407	I	0.06 miles ENE, Monitoring Well ESS-13B						Q/SA
409	I	0.65 miles NE, Monitoring Well ESS-17A						Q/SA
410	I	0.65 miles NE, Monitoring Well ESS-17B						Q/SA
418	I	Monitoring Well ESS-21B, Near SDSP						Q/SA
423	I	Monitoring Well ESS-24A, Near SDSP						Q/SA
424	I	Monitoring Well ESS-24B, Near SDSP						Q/SA
426	I	Monitoring Well ESS-25B, Near SDSP						Q/SA
429	I	Monitoring Well ESS-27A, Near SDSP						Q/SA
494	I	Nancy's Creek March Area – WP-106**		W				
495	I	Nancy's Creek – WP-52		W/M				
496	I	Nancy's Creek – WP-53		W/M				
497	I	Nancy's Creek – WP-55		W/M				
498	I	Nancy's Creek – WP-57		W/M				
499	C	Cape Fear River – WP-61		W/M				
500	I	5.0 miles SSW – Discharge – Beach near OD Pumps			SA			
501	I	Nancy's Creek, Adjacent to WP-55, Near SDSP			A			
604	I	Nancy's Creek Marsh Area – WP-92**		W				
605	I	Nancy's Creek Marsh Area – WP-72**		W				
606	I	Nancy's Creek Marsh Area – WP-74**		W				
607	I	Nancy's Creek Marsh Area – WP-76**		W				
608	I	Nancy's Creek Marsh Area – WP-82**		W				
609	I	Nancy's Creek Marsh Area – WP-84**		W				
610	I	Nancy's Creek Marsh Area – WP-88**		W				
612	I	Monitoring Well ESS MWPA-118B, Near Intake Canal and Plant Stack						Q/SA
700	I	5.5 miles SSW – Atlantic Ocean @ discharge (Free Swimmer)				SA[b)(c)]		
701	I	5.5 miles SSW – Atlantic Ocean @ discharge (Bottom Feeders)				SA[b)(c)]		
702	I	5.5 miles SSW – Atlantic Ocean @ discharge (Shellfish/Invertebrates)				SA[b)(c)]		
703	C	Atlantic Ocean; location not specified (Free Swimmer)				SA[b)(c)]		
704	C	Atlantic Ocean; location not specified (Bottom Feeder)				SA[b)(c)]		
705	C	Atlantic Ocean; location not specified (Shellfish/Invertebrates)				SA[b)(c)]		

TABLE 2.1-A (Continued)

Site #	Type	Location Description*	Air Radioidine & Air Particulate	Surface Water	Shoreline Sediment	Fish (FI)	Broadleaf Vegetation	Ground Water
706	I	Nancy's Creek; location not specified (Free Swimmer)				A[(b)]		
707	I	Nancy's Creek; location not specified (Bottom Feeder)				A[(b)]		
708	I	Nancy's Creek; location not specified (Shellfish/Invertebrates)				A[(b)]		
800	I	0.7 miles NE – Intake Canal					M[(a)]	
801	I	0.8 miles SW – Discharge Canal					M[(a)]	
802	C	10.1 miles – Location not Specified					M[(a)]	
803	I	0.6 miles SSE – Spoil Pond					M[(a)]	
804	I	0.7 miles S – Leonard Street plant exit adjacent to RR tracks					M[(a)]	

(a) When Available
(b) Edible Portions
(c) When in Season
* GPS data reflect approximate accuracy to within 2-5 meters GPS field measurements were taken as close as possible to the item of interest.
SDSP- Storm Drain Stabilization Pond
** Refers to SW-494, 604 – 610 and how composited weekly as indicated below for gamma analysis and Sample ID number in Appendix E .

ODCM Sample and Description	Composite Frequency/Analysis/Data ID
SW-494 (Nancy's Creek Marsh Area – WP-106)	Composited weekly as Waypoint Comp / Gamma analysis / Sample ID #1067 in data section – Appendix E
SW-604 (Nancy's Creek Marsh Area – WP-92)	
SW-605 (Nancy's Creek Marsh Area – WP-72)	Composited weekly as Waypoint Comp (70) / Gamma analysis / Sample ID #1065 in data section – Appendix E
SW-606 (Nancy's Creek Marsh Area – WP-74)	
SW-607 (Nancy's Creek Marsh Area – WP-76)	
SW-608 (Nancy's Creek Marsh Area – WP-82)	Composited weekly as Waypoint Comp (80) / Gamma analysis / Sample ID #1066 in data section – Appendix E
SW-609 (Nancy's Creek Marsh Area – WP-84)	
SW-610 (Nancy's Creek Marsh Area – WP-88)	

TABLE 2.1-B

BRUNSWICK STEAM ELECTRIC PLANT (BSEP)

RADIOLOGICAL MONITORING PROGRAM SAMPLING LOCATIONS (TLD SITES)

Table 2.1-B Codes			
IR	Inner Ring	OR	Outer Ring
ISFSI	Independent Spent Fuel Storage Installation		
C	Control	SI	Special Interest

Site #	Measure Type	Location*	Distance (miles)	Sector	Site #	Measure Type	Location*	Distance (miles)	Sector
1	IR	1.1 miles E	1.1	E	27	OR	5.1 miles NNW	5.1	NNW
2	IR	0.9 miles ESE	0.9	ESE	28	OR	4.2 miles NW	4.2	NW
3	IR	0.9 miles SE	0.9	SE	29	IR	2.6 miles SSW	2.6	SSW
4	IR	1.1 miles SSE	1.1	SSE	30	IR	2.0 miles NE	2.0	NE
5	IR	1.1 miles S	1.1	S	31	IR	2.5 miles ENE	2.5	ENE
6	IR	1.6 miles SSW	1.6	SSW	32	OR	5.8 miles ENE	5.8	ENE
7	IR	1.1 miles SW	1.1	SW	33	OR	4.1 miles E	4.1	E
8	IR	1.2 miles W	1.2	W	34	OR	5.4 miles E	5.4	E
9	IR	1.0 miles WNW	1.0	WNW	35	OR	7.3 miles SSE	7.3	SSE
10	IR	0.8 miles NW	0.8	NW	36	OR	8.9 miles NE	8.9	NE
11	IR	0.9 miles NNW	0.9	NNW	37	OR	5.5 miles NW	5.5	NW
12	IR	1.1 miles N	1.1	N	38	OR	11.0 miles W	11.0	W
13	IR	1.2 miles NNE	1.2	NNE	39	OR	5.3 miles SW	5.3	SW
14	IR	0.5 miles NE	0.5	NE	40	OR	6.9 miles WSW	6.9	WSW
15	IR	0.9 miles ENE	0.9	ENE	75	OR	4.7 miles S	4.7	S
16	IR	1.0 miles WSW	1.0	WSW	76	OR	4.8 miles SSW	4.8	SSW
17	IR	1.4 miles ESE	1.4	ESE	77	OR	5.4 miles S	5.4	S
18	IR	1.7 miles	1.7		78	OR	9.9 miles NNE	9.9	NNE
20	IR	2.1 miles S	2.1	S	79	OR	9.5 miles N	9.5	N
21	IR	2.9 miles SSW	2.9	SSW	81	C	9.9 miles WNW	9.9	WNW
22	OR	5.3 miles SW	5.3	SW	82	ISFSI	0.17 miles NNE @ SW corner of ISFSI	0.17	NNE
23	OR	4.6 miles WSW	4.6	WSW	83	ISFSI	0.27 miles NE @ NW corner ISFSI	0.27	NE
24	IR	3.0 miles W	3.0	W	84	ISFSI	0.27 miles NE @ NE corner of ISFSI	0.27	NE
25	OR	8.6 miles WNW	8.6	WNW	85	ISFSI	0.09 miles ENE @ SE corner of ISFSI	0.09	ENE
26	OR	5.9 miles NW	5.9	NW					

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

TABLE 2.2-A

REPORTING LEVELS FOR RADIOACTIVITY CONCENTRATIONS IN ENVIRONMENTAL SAMPLES

Analysis	Water (pCi/liter)	Airborne Particulate and Gases (pCi/m^3)	Fish (pCi/kg, wet)	Milk (pCi/liter)	Broadleaf Vegetation (pCi/kg)
H-3	30,000				
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	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	

TABLE 2.2-B

REMP ANALYSIS FREQUENCY

Sample Medium	Analysis Schedule	Gamma Isotopic	Tritium	Gross Beta	TLD
Air Radioiodine	Weekly	X			
Air Particulate	Weekly			X	
	Quarterly	X			
Direct Radiation (TLD)	Quarterly				X
Surface Water	Monthly Composite (400 & 401)	X	X		
	Weekly Grab (495 – 499)		X		
	Monthly Comp. of Weekly Grab	X			
	Weekly Grab (494, 604 – 610)	X	X		
Ground Water	Quarterly Grab		X		
	Semiannual Grab	X			
Shoreline Sediment	Semiannually (500)	X			
	Annually (501)	X			
Fish and Shellfish/Invertebrates[a]	Semiannually (700 – 705)	X			
	Annually (706 – 708)	X	X		
Broadleaf Vegetation[b]	Monthly[b]	X			

(a) Edible portions
(b) When available

TABLE 2.2-C

DETECTION CAPABILITIES FOR ENVIRONMENTAL SAMPLE ANALYSIS[a] LOWER LIMIT OF DETECTION (LLD)[b][d]

Analysis	Water (pCi/liter)	Airborne Particulates or Gases (pCi/m^3)	Fish (pCi/kg, wet)	Milk (pCi/liter)	Broadleaf Vegetation (pCi/kg, wet)	Sediment (pCi/kg, dry)
Gross Beta	4	0.01				
H-3	3000					
Mn-54	15		130			
Fe-59	30		260			
Co-58, 60	15		130			
Zn-65	30		260			
Zr-Nb-95	15					
I-131	1[c]	0.07		1	60	
Cs-134	15	0.05	130	15	60	150
Cs-137	18	0.06	150	18	80	180
Ba-La-140	15			15		

(a) This list does not mean that only these nuclides are to be considered. Other peaks that are identifiable, together with these of the above nuclides, shall be analyzed and reported in the AREOR.
(b) The LLD is defined in the BSEP ODCM.
(c) LLD for drinking water samples. If no drinking water pathway exists, a value of 15 pCi/L may be used.
(d) The LLD for each analysis is specified, with the exception of the Nancy's Creek March Area principal gamma isotopic and I-131. The LLD for the Nancy's Creek March Area gamma isotopic is 5×10^{-7} µCi/ml for Principal Gamma Emitters and 1×10^{-6} µCi/ml for I-131.

3.0 INTERPRETATION OF RESULTS

The following section depicts and explains the review of the REMP results conducted during 2014 for the Brunswick Steam Electric Plant (BSEP) and fulfills the reporting requirements of Technical Specifications 5.6.2, BSEP ODCM 7.4.1, and applicable procedures. Review of the 2014 REMP analysis results was performed to identify changes in environmental levels as a result of BSEP operations. Sample data for 2014 was compared to preoperational and historical data. Summary tables containing 2014 information required by Technical Specification 5.6.2 are located in Appendix B.

Evaluation for significant trends was performed for radionuclides that are listed as required within BSEP ODCM. The radionuclides include: H-3, Mn-54, Fe-59, Co-58, Co-60, Zn-65, Zr-95, Nb-95, I-131, Cs-134, Cs-137, Ba-140 and La-140. Gross beta analysis results were trended for air particulates and tritium results for surface water samples. Other radionuclides detected that are the result of plant operation, but not required for reporting, are trended.

BSEP 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 BSEP liquid effluents which contained the radionuclides.

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

Review of the 2014 data presented in this section supports the conclusion that there were no significant changes in environmental sample radionuclide concentrations of samples collected and analyzed from BSEP and surrounding areas that were attributable to plant operations. The radiological environmental data for 2014 indicates that radioactivity concentrations were not higher than expected and all positively identified measurements attributable to BSEP operations in 2014 were within limits as specified in the BSEP ODCM, thus presenting no significant impact on the environment or public health and safety.

A statistical summary of the BSEP data for 2014 has been compiled and summarized in Appendix B along with any plant-derived activity detected within the scope of the REMP.

3.1 AIRBORNE RADIOIODINE AND PARTICULATES

The 363 air cartridge/radioiodine (AR) samples from the indicator (260 samples) and the control (103 samples) stations had I-131 concentrations less than the ODCM LLD of 7.00E-2 pCi/m^3. The air samplers operated for a total of greater than 99% availability for the 2014 year. No I-131 activity due to BSEP operations was identified in any indicator or control samples in 2014.

For the period of January 1, 2014, to December 31, 2014, the gross beta activity was detectable in the airborne particulate (AP) samples, with acceptable runtime, from the five indicator locations and the two control locations. The 260 indicator samples had an average concentration of 1.85E-2 pCi/m^3 (a value lower than the preoperational data) and the average gross beta concentration measured in 103 AP samples collected at control stations during 2014 was 1.84E-2 pCi/m^3. The preoperational (1973 – 1974) average concentration of 8.2E-2 pCi/m^3, while the average activity in the recent past (2007 – 2013) was 1.93E-2 pCi/m^3. The airborne concentrations of gross beta activity in 2014 are indicative of natural background and do not indicate any activities originating from the nuclear operations at BSEP. Figures 3.1-1 through 3.1-6 provide a graphic representation of the gross beta activity at the indicator locations compared to the control location (AP-204) for the year 2014. No plant-related gamma activity was observed for any air particulate filters analyzed during 2014. Natural gamma concentrations identified are typical of the natural environment and are not attributed to plant operations. Refer to Appendix C or Appendix D for deviations and unavailable samples in the 2014 collection year.

No plant-related gamma activity was detected in quarterly composite filter samples from either the indicator or control locations during 2014. BSEP 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

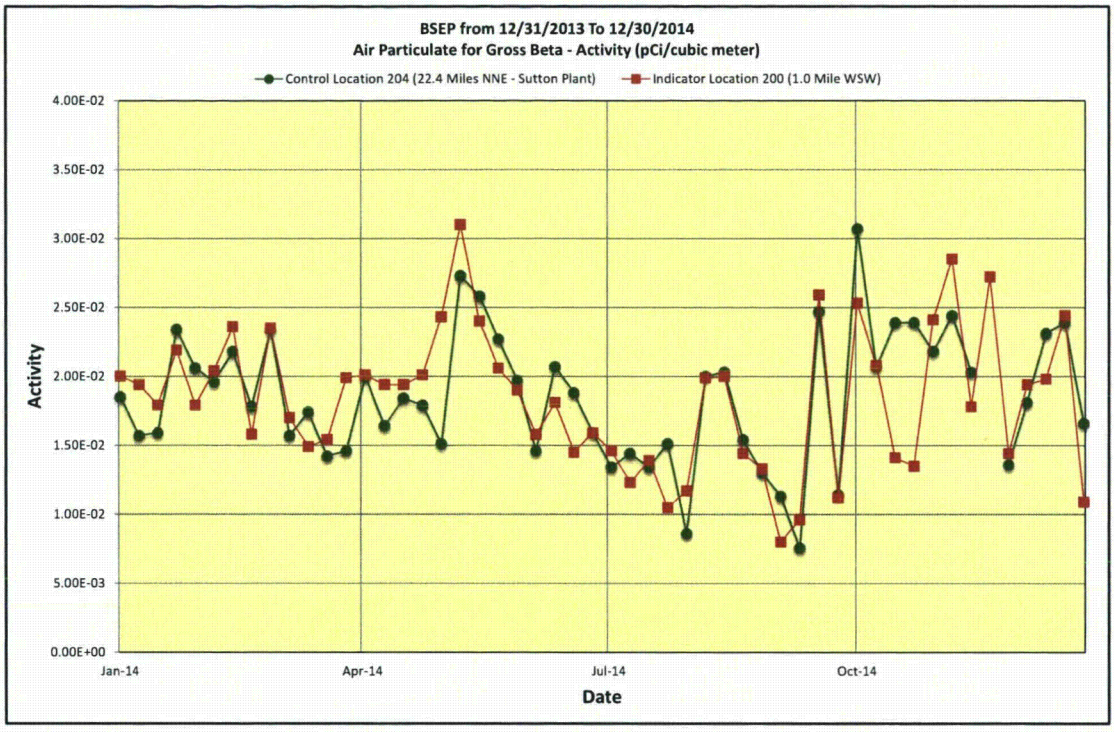


Figure 3.1-2

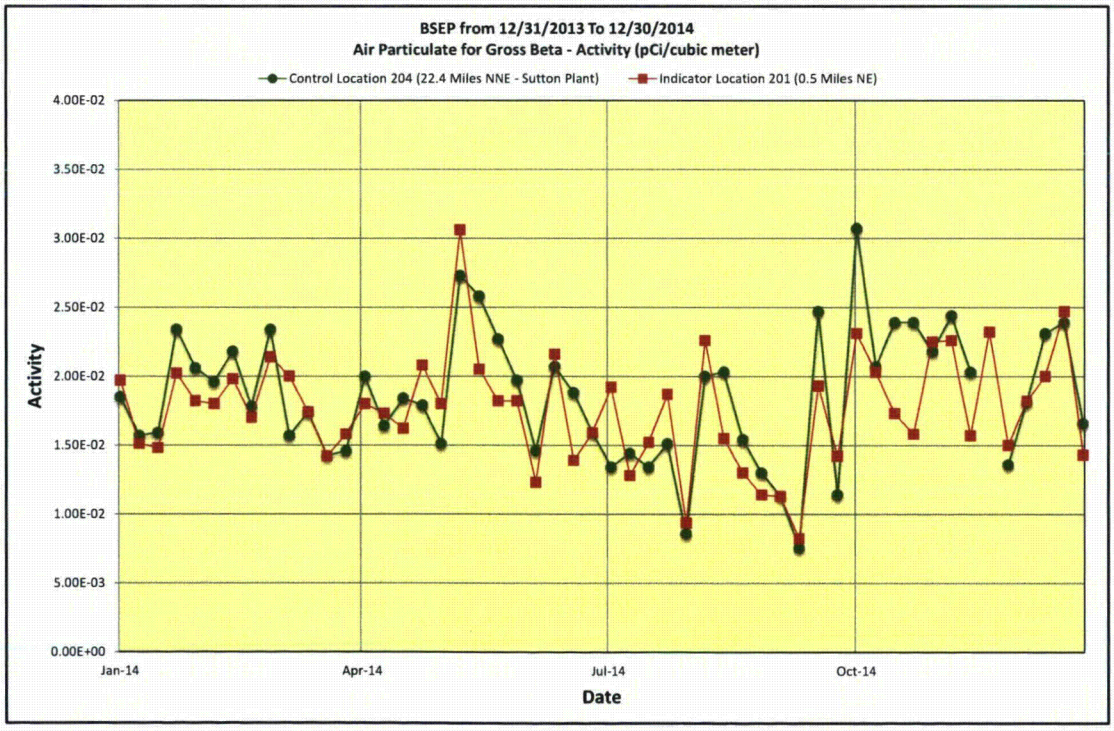


Figure 3.1-3

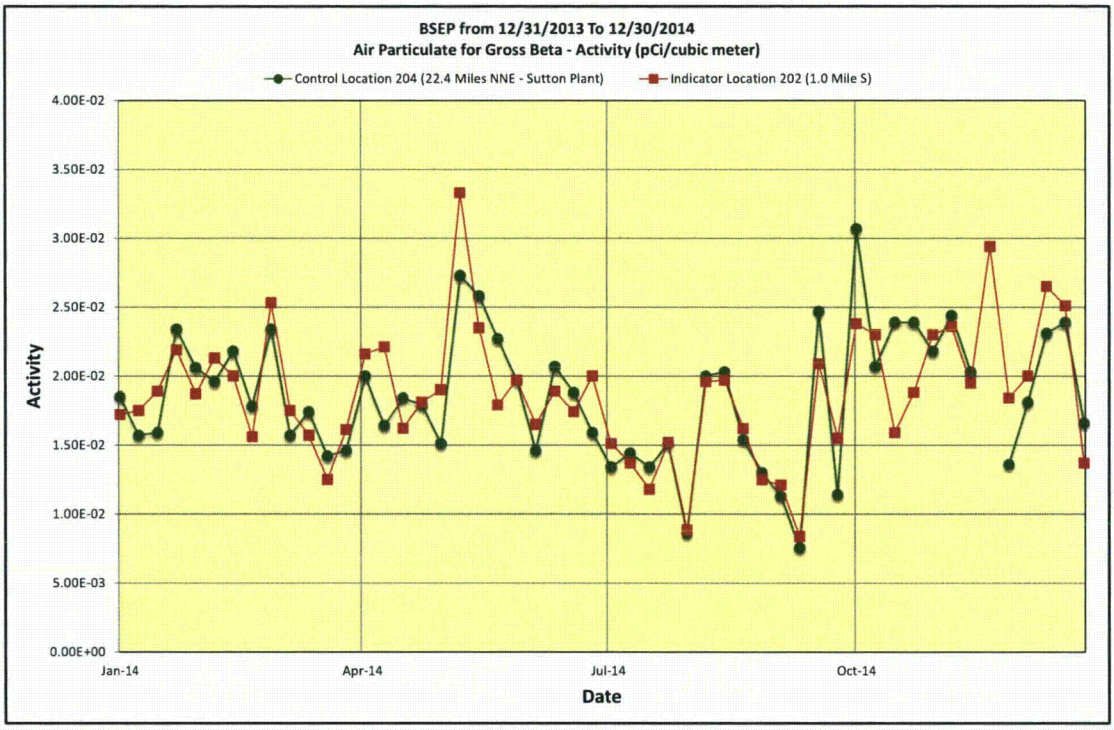


Figure 3.1-4

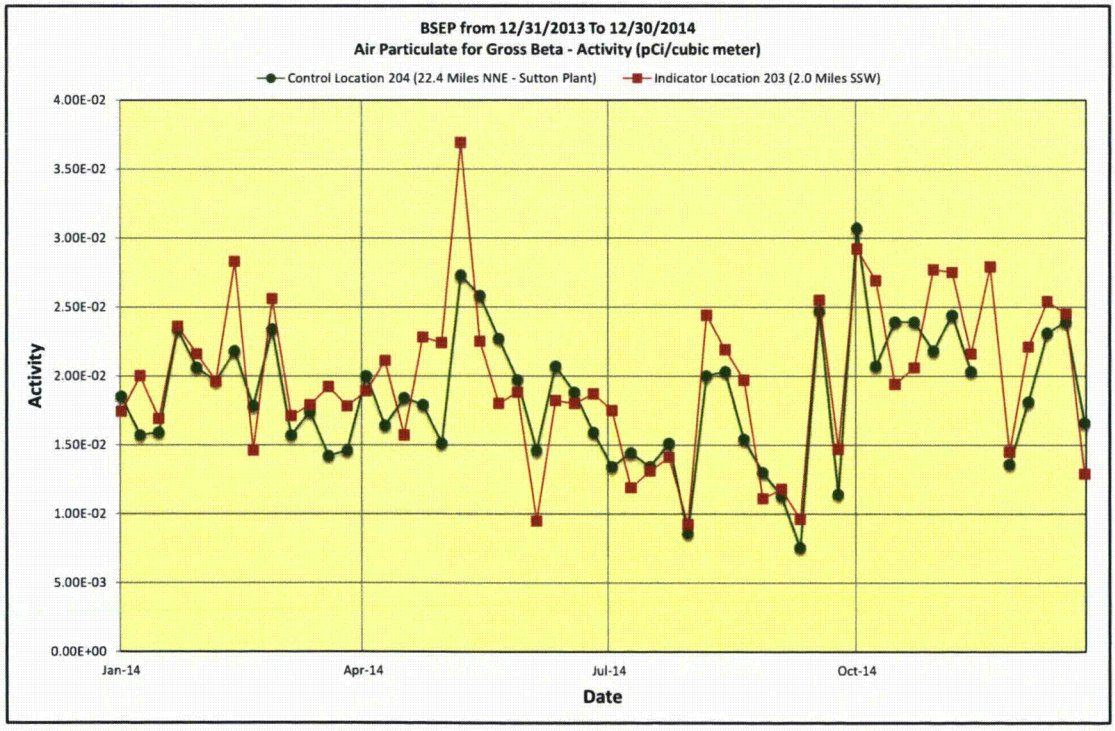


Figure 3.1-5

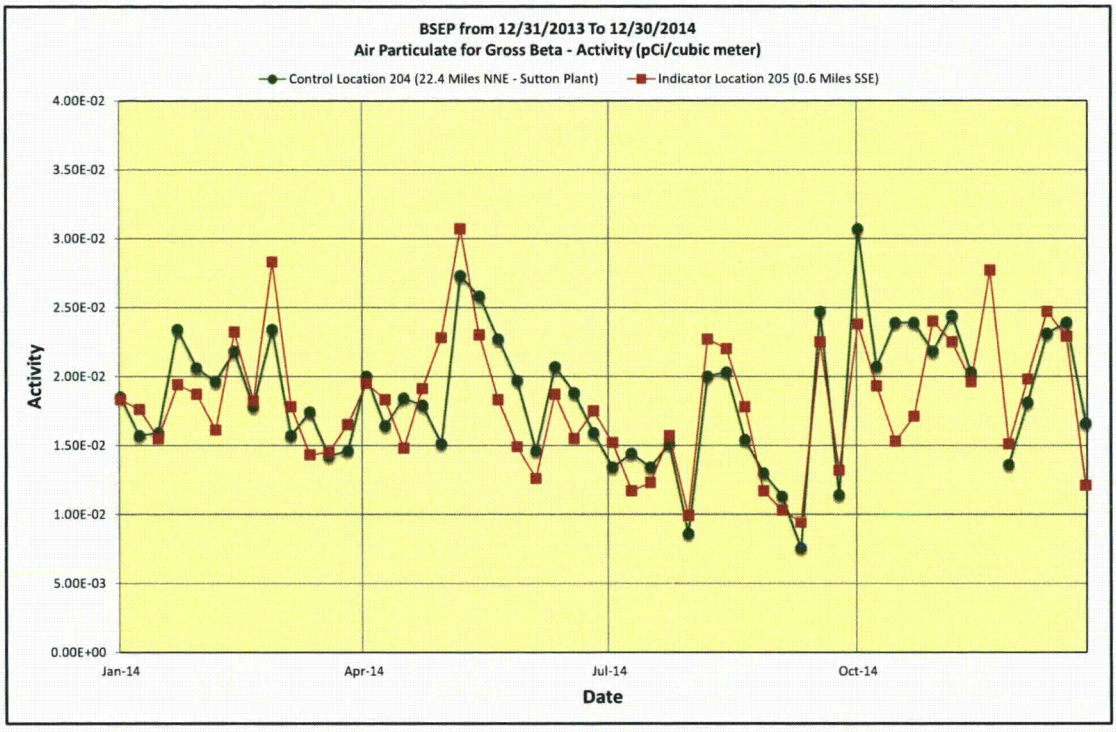
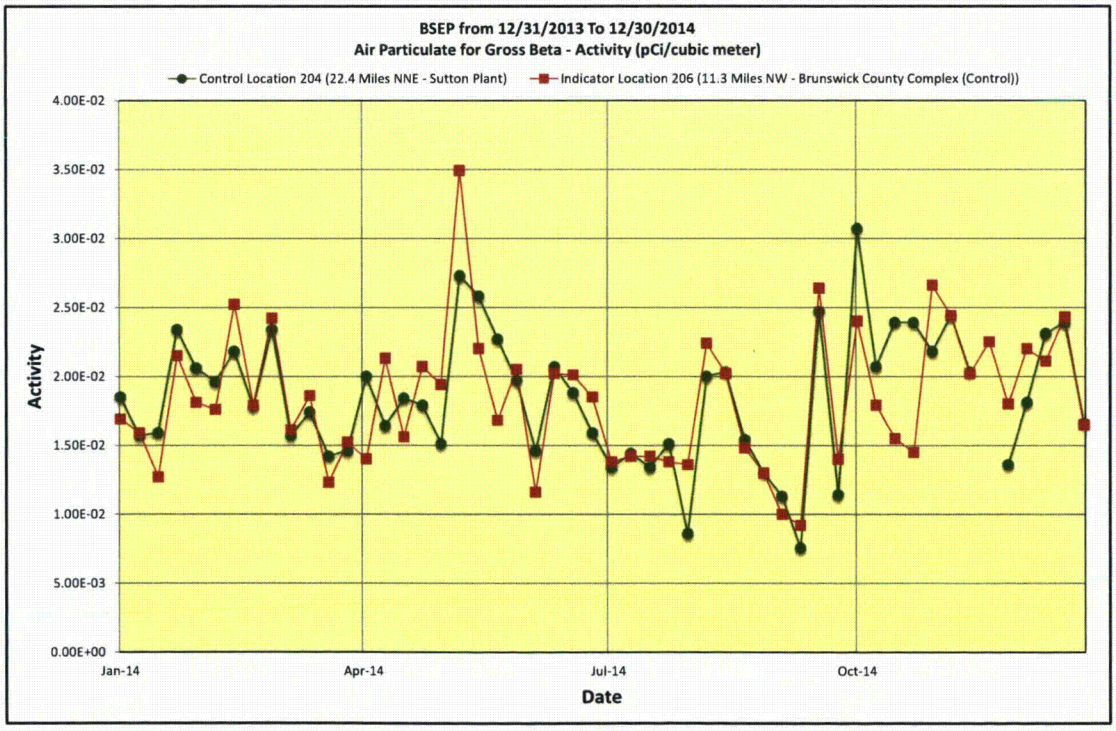


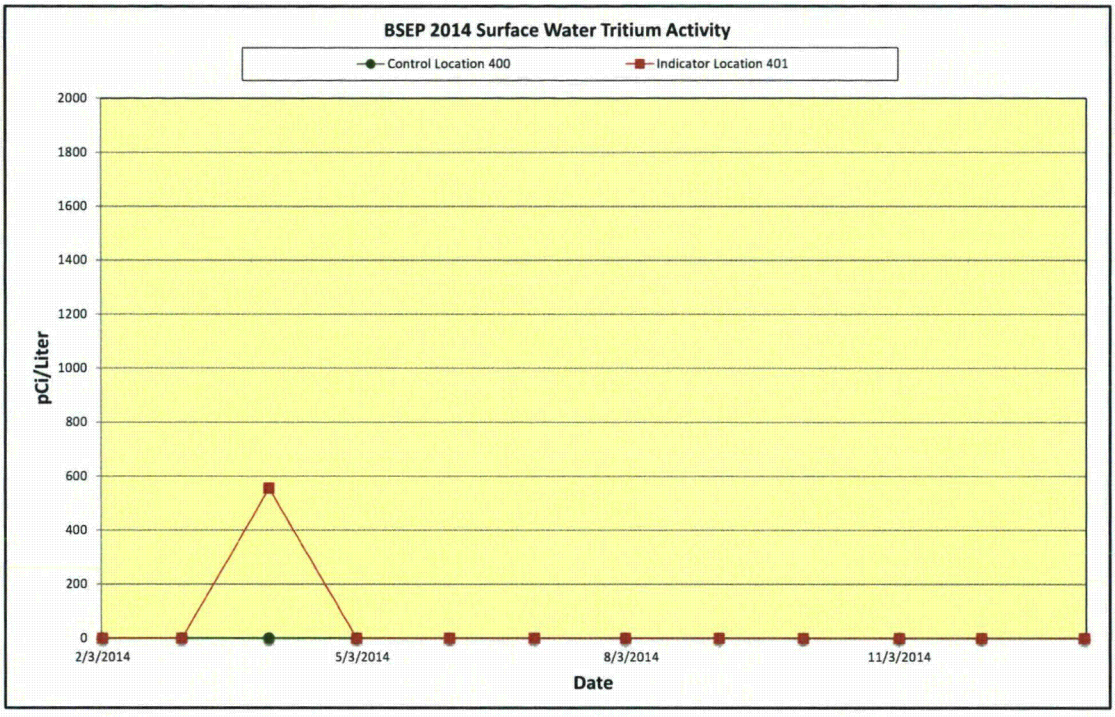
Figure 3.1-6



3.2 SURFACE WATER

Surface water (SW) is sampled monthly from the intake and discharge canal, while Nancy's Creek samples and Nancy's Creek Marsh Area samples are sampled weekly. These samples are analyzed for gamma-emitting radionuclides and for tritium. Tritium analysis is performed weekly on the Nancy's Creek samples. Sampling and compositing, of the Nancy's Creek samples, for gamma emitters is weekly and the gamma analysis is performed monthly on the samples composited weekly. The current BSEP ODCM (Revision 37) effective date of October 29, 2013, states for the Nancy's Creek Marsh Area that samples are collected weekly and are analyzed weekly for tritium, while ODCM sample location 494 and 604 are composited weekly and the composite (Waypoint Comp – sample ID # 1067) are analyzed weekly for gamma emitters. Nancy's Creek Marsh Area surface water samples 605, 606, and 607 are collected weekly and composited (Waypoint Comp (70) – sample ID # 1065) for gamma analysis along with surface water samples 608, 609, and 610 (Waypoint Comp (80) – sample ID # 1066). The gamma analyses indicated that no detectable concentrations of gamma emitting radionuclides relating to plant effluents appeared in any of the surface water indicator or control samples. None of the control samples (SW-400 or 499) indicated the presence of tritium. However, 32 out of 640 indicator samples indicated the presence of tritium in 2014. The predominate locations indicating tritium were at Nancy's Creek, Nancy's Creek Marsh Area, and the discharge canal indicator locations. One (1) of the twelve samples from the historical discharge canal indicated the presence of tritium, while 31 out of 628 samples from Nancy's Creek and Nancy's Creek Marsh Area indicated the presence of tritium. The tritium activity detected in SW-401 (the discharge canal composite sample) had an average tritium concentration of 5.55E+2 pCi/L, which was expected due to plant operations at the time of sampling. The indicator samples from Nancy's Creek and Nancy's Creek Marsh Area had a maximum concentration of 3.17E+3 pCi/L of tritium activity. The reporting limit for tritium in environmental samples is 3.00E+4 pCi/L (30,000 pCi/L); therefore, per BSEP's ODCM requirements (7.13.15 c and d), all of the detected values are below the reportable limit. The total level of radioactivity as the result of plant effluents in each environmental sampling medium at a required location shall be less than the limit specified when averaged over the calendar quarter. Figure 3.2-1 depicts the observed tritium concentrations for SW-400 (control) and SW-401 (indicator) in 2014. Refer to Appendix B for additional surface water results.

Figure 3.2-1



3.3 GROUND WATER

Groundwater (GW) is sampled quarterly and semiannually from 10 indicator sample sites. These samples are analyzed for gamma-emitting radionuclides (at least semiannually) and for tritium (at least quarterly). The analyses indicated that no detectable concentrations of gamma emitting radionuclides relating to plant effluents appeared in any of the indicator samples in 2014. Analyses indicated detectable concentrations of tritium in five out of 43 samples analyzed in 2014 for an average tritium concentration of 5.88E+02 pCi/L. Refer to Appendix B for additional ground water results.

3.4 MILK/BROADLEAF VEGETATION

No milk (milch) sampling locations are currently identified in BSEP environs; therefore, no sampling of this media was available in 2014.

Food crops were not grown in the vicinity of the plant in 2014 and this media was represented by indigenous vegetation samples consisting primarily of wax myrtle leaves. Forty-eight (48) samples were collected from indicator locations and twelve (12) samples from the control location. No detectable activities relating to plant effluents were detected in any of the indicator broadleaf vegetation sample media in 2014; however, one

control sample out of twelve had detectable Cs-137 activity at a concentration of 2.29E+1 pCi/kg (wet) in 2014. No other gamma activity was detected in any sample other naturally occurring gamma activity.

3.5 FISH and INVERTEBRATES

Fish (free swimmers and bottom feeders), invertebrate (SH), and benthic organism (BO) samples are collected semiannually from two locations: (1) near the Atlantic Ocean discharge pipe at Caswell Beach and (2) a control location in the Atlantic Ocean not influenced by plant operations and annually from three locations on Nancy's Creek (Figure 2.1-4). During 2014, two of nine indicator samples demonstrated detectable concentrations of Cs-137 for an average value of 1.00E+1 pCi/kg (wet). No other detectable activities relating to plant effluents were detected in 2014. The fish locations on Nancy's Creek sampled in 2014 were also analyzed for tritium, with all the tritium results being less than LLD.

3.6 SHORELINE SEDIMENT

Four shoreline sediments were collected in 2014. All of the radionuclides indicative of plant effluents were determined to be less than the respective LLDs for gamma-emitting radionuclides in both samples from the beach area near the pumping station location at Caswell Beach and from the Nancy's Creek area samples. Two shoreline sediment samples in 2014 were drawn from Nancy's Creek adjacent to WP-55 near the Storm Drain Stabilization Pond (SDSP), where both of the indicator samples contained Cesium (Cs)-137 activity (Average: 1.26E+2 pCi/kg, dry). Both of the samples were analyzed for Iron (Fe)-55, Strontium (Sr)-89, and Strontium (Sr)-90 by General Engineering Laboratories (GEL). Both were less than the respective LLDs. Per BSEP ODCM revision 37; if plant activity is detected, then Sr-89, 90, and Fe-55 analyses are to be performed on the shoreline sediment sample and the frequency of sampling for the shoreline sediment sample from Nancy's Creek will increase to semi-annually for the next sampling year. A shoreline sediment background sample, non-ODCM, was collected and analyzed in 2014, with no detectable activity relating to plant effluents being identified. The only nuclides identified were naturally occurring nuclides.

3.7 DIRECT GAMMA RADIATION

3.7.1 ENVIRONMENTAL TLD

In 2014, 179 TLDs were analyzed, 175 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 environmental data on external radiation exposure for 2014 was essentially unchanged from 1989-2013, with an average

exposure for all of 2014 indicator locations of 10.0 mR per std. quarter. The average exposure observed over the preoperational period was 1.02 mR per week observed from the fourth quarter of 1972 through the second quarter of 1975. Table 3.7-B provides a comparison of recent data with the preoperational and historical data.

The average quarterly exposure at the indicator and control locations was 10.0 mR/std. qtr. and 10.5 mR/std. qtr. respectively. The highest indicator location was 5.3 miles SW of the plant and its average was 12.9 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 was one missing TLD during the BSEP 2014 collection period, refer to Appendix C or D for information.

Figure 3.7-1 depicts average inner and outer ring TLD data for each quarter of 2014. This depiction does not indicate a significantly higher exposure rate for the inner versus the outer ring. This is interpreted as demonstrating that no discernible off-site exposure has occurred from plant operations.

TLD averages per Appendix B do include a separate line for the four (4) ISFSI TLDs that were added to the program as of 3rd Quarter 2010. These TLDs are not indicative of the plant's environmental monitoring program's TLDs, so they will be handled separately. The ISFSI TLD data is included with the environmental data results as a separate section. Comparison of the 2014 ISFSI TLD data after loaded fuel with preoperational data (2008 – 3rd Quarter 2010) indicates that the average pre-op TLD dose levels were about the same as the average after Fuel was loaded (See Table 3.7-A). Dry fuel storage radiation measurements have been monitored since 2008 and additional information can be found in the BSEP 2014 Annual Release Report.

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

A TLD Intercomparison Program is conducted as part of the quality assurance program. Results of this program are include in Section 4.9.

Figure 3.7-1

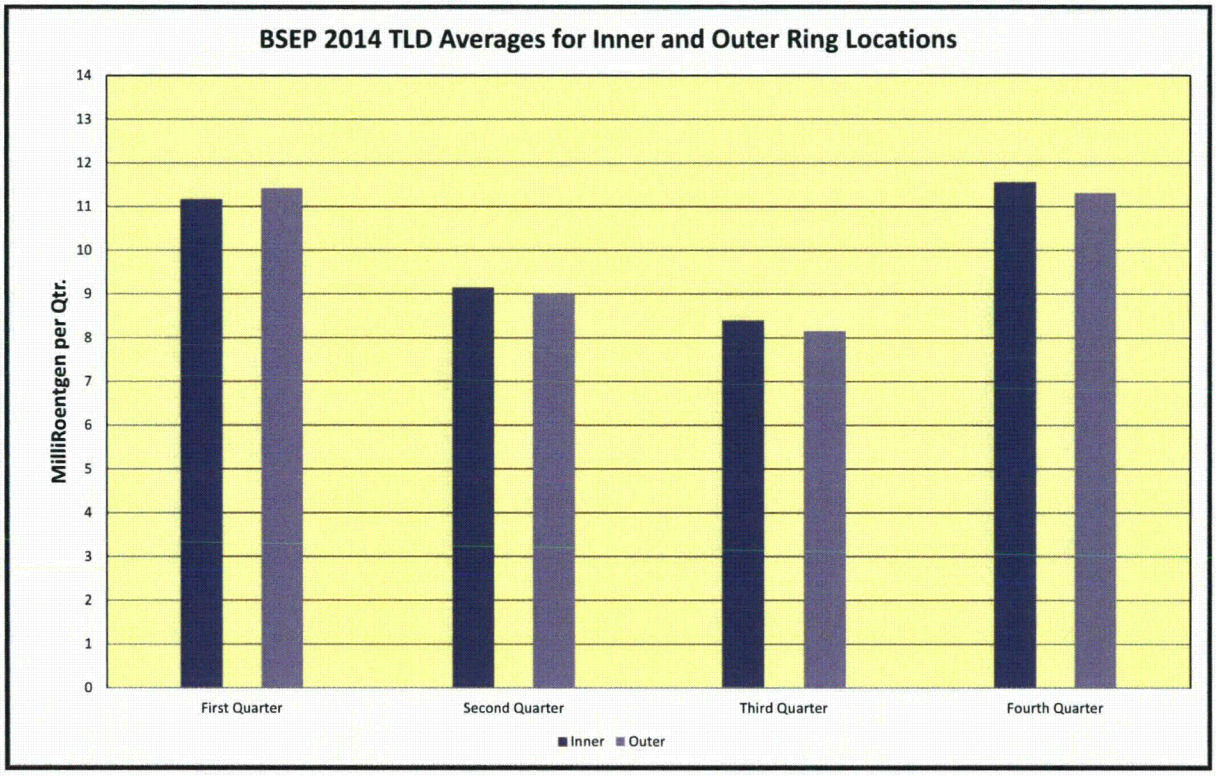


Table 3.7-A

ISFSI TLD Dose (mR/std. qtr.)

	TLD # 82	TLD # 83	TLD # 84	TLD # 85
Average Pre-Op (1^{st} Qtr. 2008 to 3^{rd} Qtr. 2010)	30.1 ± 3.1	22.4 ± 2.1	16.7 ± 1.6	53.2 ± 7.6
Average after Fuel Loaded (4^{th} Qtr. 2010 to 4^{th} Qtr. 2013)	33.4	24.2	18.4	51.5

Table 3.7-B

Brunswick Steam Electric Plant
HISTORICAL TLD RESULTS (1972-2014)

Year	Average Exposure of All TLD Monitoring Locations (mR per week)
1972 (4th Qtr.)	0.80
1973	1.25
1974	0.97
1975 (1st, 2nd Qtr)	0.80
1976	0.98
1977	1.32
1978	1.24
1979	0.93
1980	0.90
1981	0.96
1982	1.18
1983	1.21
1984	0.98
1985	1.03
1986	0.89
1987	0.92
1988	0.86
1989	0.75
1990	0.76
1991	0.76
1992	0.75
1993	0.78
1994	0.77
1995	10.1 (mR per quarter)*
1996	10.1 (mR per quarter)
1997	10.1 (mR per quarter)
1998	9.7 (mR per quarter)
1999	9.7 (mR per quarter)
2000	9.7 (mR per quarter)
2001	10.0 (mR per quarter)
2002	9.6 (mR per quarter)
2003	9.6 (mR per quarter)
2004	9.7 (mR per quarter)
2005	9.8 (mR per quarter)
2006	10.0 (mR per quarter)
2007	9.8 (mR per quarter)
2008	9.9 (mR per quarter)
2009	10.0 (mR per quarter)
2010	10.1 (mR per quarter)
2011	9.9 (mR per quarter)
2012	9.8 (mR per quarter)
2013	9.8 (mR per quarter)
2014	10.0 (mR per quarter)

*TLD exposure in mR per quarter beginning in 1995. The equivalent weekly exposure is 0.78 mR.

3.8 LAND USE CENSUS

The 2014 BSEP Annual Land Use Census was conducted during June of 2014 as required by the BSEP ODCM. Table 3.8-A summarizes the 2014 census results. No environmental program changes were required as a result of the 2014 Land Use Census.

3.8.1 PURPOSE OF LAND USE CENSUS

The land-use census identifies the pathways (or routes) that radioactive material may reach the general populations near commercial nuclear generating stations. This is accomplished by completing studies each year that identify how the surrounding lands are used by the population. A comprehensive census of the use of the land within a five-mile (8 kilometer) distance of the plant is completed during the growing season each year. This information is used for dose assessment and to identify changes to the stations sampled and the type of samples. These results ensure that the Radiological Environmental Monitoring Program (REMP) is based upon current data regarding human activity in the vicinity of the plant. Therefore, the purpose of the land-use census is to ensure the monitoring program is current, as well as provide data for the calculation of estimated radiation exposure.

The pathways evaluated are:

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

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

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

3.8.2 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 vegetation
- The nearest milk animal

The following must also be identified (for elevated releases) within the three-mile radius of the plant for each of the 16 meteorological sectors:

- The location of all milk animals
- The location of all gardens of greater than 500 square feet, producing broadleaf vegetation

The primary method is visual inspection from the roadside within the five (5) mile radius, with the exception of the Sunny Point Military Ocean Terminal. This information may be supplemented with data from aerial photographs and a Global Positioning System (GPS) to determine distance and direction from the plant. Distances from the plant are accurate to within one tenth of a mile.

3.8.3 LAND USE CENSUS RESULTS

The 2013 and 2014 results of the survey for the nearest resident, garden, milk and meat animals in each sector are compared in Table 3.8-A.

The resident portion of the census conducted in June of 2014 did not identify any changes from 2013. The garden portion of the census identified changes in the distance of the nearest garden in seven sectors during the 2014 census.

The nearest garden location changed in the Northnortheast (NNE) sector from 0.9 miles to 0.9 miles (address changed, but distance did not), the South (S) sector from 2.2 miles to 1.8 miles, Southsouthwest (SSW) from 1.6 miles to 1.9 miles, Westsouthwest (WSW) from 1.2 miles to 1.3 miles, West (W) from 0.9 miles to 1.1 miles, Westnorthwest (WNW) from 1.0 mile to 1.0 mile (address changed, but distance did not), and the Northwest (NW) sector from 1.0 mile to 4.9 miles. No milk animals were located within 5 miles of the plant in 2014.

The 2014 Garden Census was conducted within three (3) miles of BSEP and identifies all gardens of greater than 500 square feet that were found in the survey area. Results of the garden census are located in Table 3.8-B.

Results of the 2014 Land Use and Garden Census indicate stable use of land, confirming that current control locations are appropriate, and no changes are needed for dose assessment and environmental monitoring.

Table 3.8-A

Brunswick Steam Electric Plant

Land Use Census Comparison (2013 – 2014)

Nearest Pathway (Miles)

SECTOR	RESIDENT		GARDEN		MILK/MEAT ANIMALS	
	2013	2014	2013	2014	2013	2014
N	0.7	0.7	1.0	1.0	None	None
NNE	0.8	0.8	0.9	0.9*	None	None
NE	None	None	None	None	None	None
ENE	None	None	None	None	None	None
E	None	None	None	None	None	None
ESE	1.4	1.4	None	None	None	None
SE	None	None	None	None	None	None
SSE	2.1	2.1	None	None	None	None
S	1.1	1.1	2.2	1.8*	None	None
SSW	1.2	1.2	1.6	1.9*	None	None
SW	1.1	1.1	1.4	1.4	None	None
WSW	1.2	1.2	1.2	1.3*	None	None
W	0.9	0.9	0.9	1.1*	None	None
WNW	0.9	0.9	1.0	1.0*	None	None
NW	0.9	0.9	1.0	4.9*	None	None
NNW	0.8	0.8	0.9	0.9	None	None

* Represents a change from the previous year.
Sector and distance determined by Global Positioning System.

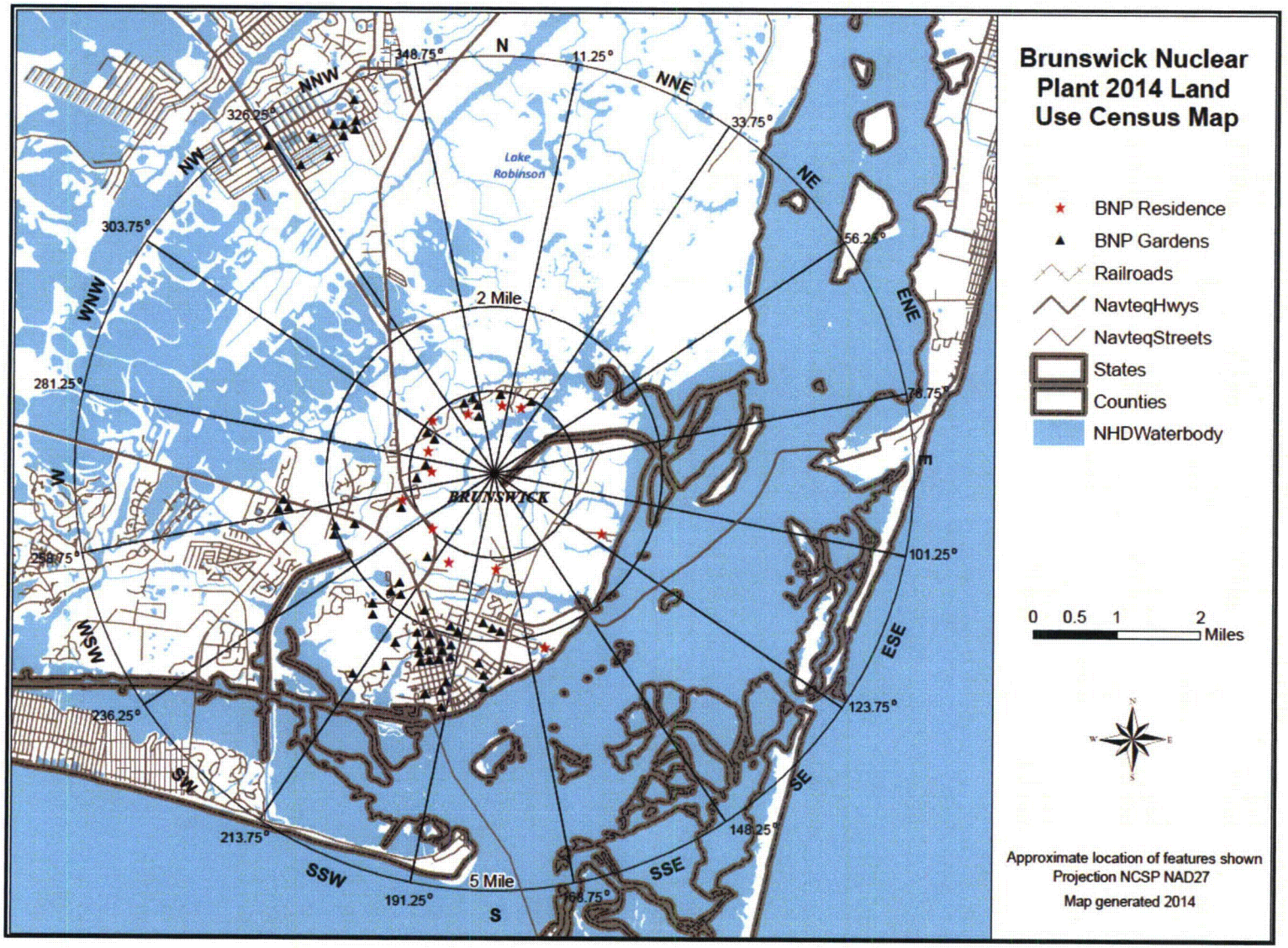
Table 3.8-B

Brunswick Steam Electric Plant

Garden Census – 2014

SECTOR	DISTANCE (miles)		SECTOR	DISTANCE (miles)
N	1.0		SW	1.4
NNE	0.9		SW	1.9
NE	None		SW	1.9
ENE	None		SW	1.9
E	None		SW	1.9
ESE	None		SW	2.2
SE	None		SW	2.3
SSE	None		SW	2.3
S	1.8		SW	3.0
S	1.9		WSW	1.3
S	1.9		WSW	1.9
S	2.3		WSW	2.1
S	2.3		WSW	2.1
S	2.4		WSW	2.7
S	2.6		W	1.1
SSW	1.9		W	1.2
SSW	2.0		W	2.6
SSW	2.0		W	2.6
SSW	2.1		W	2.7
SSW	2.1		WNW	1.0
SSW	2.1		WNW	1.0
SSW	2.1		NW	4.9
SSW	2.2		NNW	0.9
SSW	2.2		NNW	0.9
SSW	2.3		NNW	0.9
SSW	2.3		NNW	1.0
SSW	2.3		NNW	1.1
SSW	2.3		NNW	4.3
SSW	2.4		NNW	4.4
SSW	2.4		NNW	4.5
SSW	2.7		NNW	4.6
SSW	2.7		NNW	4.6
SSW	2.7		NNW	4.6
SSW	2.7		NNW	4.6
SSW	2.8		NNW	4.6
SSW	2.8		NNW	4.8
SSW	2.9		N/A	N/A

Figure 3.8-1


Brunswick Nuclear Plant 2014 Land Use Census Map
BNP Residence
BNP Gardens
Railroads
NavteqHwys
NavteqStreets
States
Counties
NHDWaterbody
0 0.5 1 2 Miles
Approximate location of features shown
Projection NCSP NAD27
Map generated 2014
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
11.25°
33.75°
56.25°
78.75°
101.25°
123.75°
148.25°
168.75°
191.25°
213.75°
236.25°
258.75°
281.25°
303.75°
326.25°
348.75°
2 Mile
5 Mile
Lake Robinson
BRUNSWICK

4.0 QUALITY ASSURANCE

4.1 SAMPLE COLLECTION

Environmental sample collection was performed by BSEP Chemistry personnel in 2014, and Fisheries and Aquatic Ecology as specified by approved sample collection procedures.

4.2 SAMPLE ANALYSIS

EnRad Laboratories performed the environmental sample analyses as specified by approved analysis procedures. EnRad Laboratories is located in Huntersville, North Carolina, at Duke Energy's Environmental Center. The ground water samples and most of the surface water samples requiring gamma and tritium analyses are analyzed by the BSEP laboratory. The fish samples (requiring tritium analysis) and the Shoreline Sediment samples (requiring Hard-to-detects [Fe-55 and Sr-89, 90]) were analyzed by a vendor laboratory – General Engineering Laboratory, Inc. (GEL).

4.3 DOSIMETRY ANALYSIS

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

4.4 LABORATORY EQUIPMENT QUALITY ASSURANCE

4.4.1 DAILY QUALITY CONTROL

BSEP and EnRad Laboratories all have an internal quality assurance program which monitors each type of instrumentation for reliability and accuracy. Quality control checks are performed to 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. This includes tritium analyses in ground water and surface water samples.

4.5 DUKE ENERGY INTERLABORATORY COMPARISON PROGRAM

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

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

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

4.5.1 DUKE ENERGY INTERCOMPARISON PROGRAM

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

4.5.2 ECKERT & ZIEGLER ANALYTICS CROSS CHECK PROGRAM

EnRad Laboratories participated in the Eckert & Ziegler Analytics Cross Check Program during 2014. Cross check samples including air filters, air cartridges, gross beta in water, various gamma samples in Marinelli beakers

(soil, vegetation, and milk), and Iodine in milk samples were analyzed at various times of the year. A summary of the EnRad Laboratory program results for 2014 is documented in Table 4.0-B.

The BSEP Chemistry Laboratory participated in the Analytical Environmental Cross Check Program administered by Eckert & Ziegler Analytics, Inc. during 2014. Cross check samples including tritium in water, gammas in solids, and other sample media were analyzed in 2014. A summary of the BSEP Laboratory program results for 2014 is documented in Table 4.0-D. BSEP cross check results not appearing in Table 4.0-D will be supplied upon request.

4.5.3 ERA PROFICIENCY TESTING

EnRad Laboratories performed method proficiency testing through a program administered by Environmental Resource Associates (ERA) of Arvada, CO. ERA supplied requested method proficiency samples for analysis and nuclide concentration determination. ERA reported proficiency test results to the North Carolina Department of Health and Human Services, North Carolina Public Health Drinking Water Laboratory Certification Program. A summary of these proficiency test data for 2014 is documented in Table 4.0-C.

4.6 STATE OF NORTH CAROLINA INTERCOMPARISON PROGRAM

EnRad Laboratories routinely participates with the North Carolina Department of Health and Human Services in an intercomparison program. EnRad Laboratories sends BSEP Radiological Environmental Monitoring Program air, surface water, fish, and shoreline sediment samples to the State of North Carolina Radiation Protection Section for intercomparison analysis.

4.7 GENERAL ENGINEERING LABORATORY, Inc. (GEL)

General Engineering Laboratory, Inc. (GEL) participated in various Quality Assurance Programs for Inter-laboratory, Intra-laboratory, Third Party Cross Check programs and a number of proficiency testing programs during 2014. A summary of the GEL quality assurance program results for the sample media types sent to GEL during 2014 is documented in Table 4.0-E. GEL Quality Assurance Program results not appearing in Table 4.0-E will be supplied upon request.

4.8 TLD INTERCOMPARISON PROGRAM

4.8.1 NUCLEAR TECHNOLOGY SERVICES INTERCOMPARISON PROGRAM

Radiation Dosimetry and Records participates in a quarterly TLD intercomparison program administered by Nuclear Technology Services, Inc. of Roswell, GA. Nuclear Technology Services irradiates environmental dosimeters quarterly and sends them to the Radiation Dosimetry and Records group for analysis of the

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

4.8.2 INTERNAL CROSSCHECK (DUKE ENERGY)

Radiation Dosimetry and Records participates in a quarterly TLD intracomparison program administered internally by the Dosimetry Lab. The Dosimetry Lab Staff irradiates environmental dosimeters quarterly and submits them for analysis of the unknown estimated delivered exposure. A summary of the 2014 Internal Cross Check (Duke Energy) Result is documented in Table 4.0-F.

TABLE 4.0-A

DUKE ENERGY

INTERLABORATORY COMPARISON PROGRAM

2014 EnRad Fleet Scientific Services Cross Check Performance Summary

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

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

TABLE 4.0-A (Cont.)

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

TABLE 4.0-B

ECKERT & ZIEGLER ANALYTICS

CROSS CHECK PROGRAM

2014 Cross Check Results for EnRad Laboratories

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

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

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

TABLE 4.0-B (Cont.)

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

TABLE 4.0-C

ENVIRONMENTAL RESOURCE ASSOCIATES (ERA) PROFICIENCY TESTING

2014 Proficiency Test Results for EnRad Laboratories

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

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

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

TABLE 4.0-D

ECKERT & ZIEGLER ANALYTICS

CROSS CHECK PROGRAM

2014 Cross Check Results for BSEP Laboratories

Sample	Nuclide	Quarter	Units	BSEP Value	EZA Value	BSEP/EZA Ratio	Evaluation
Tritium in Water A29523 1Q	H-3	1st	µCi/cc	8.37E-04	9.01E-04	0.93	Agreement
A30035 3Q		3rd	µCi/cc	9.79E-04	9.76E-04	1.00	Agreement
Gamma Solid	Ce-141	3rd	µCi	3.01E-02	3.01E-02	1.00	Agreement
A30034 3Q		4th	µCi	7.20E-02	7.45E-02	0.97	Agreement
A30247A 4Q		4th	µCi	1.50E-02	1.57E-02	0.96	Agreement
A30248 4Q	Cr-51	3rd	µCi	7.66E-02	7.59E-02	1.01	Agreement
		4th	µCi	1.52E-01	1.51E-01	1.01	Agreement
		4th	µCi	3.13E-02	3.17E-02	0.99	Agreement
	Cs-134	3rd	µCi	2.03E-02	2.16E-02	0.94	Agreement
		4th	µCi	3.00E-02	3.19E-02	0.94	Agreement
		4th	µCi	6.31E-03	6.71E-03	0.94	Agreement
	Cs-137	3rd	µCi	2.64E-02	2.59E-02	1.02	Agreement
		4th	µCi	3.74E-02	3.75E-02	1.00	Agreement
		4th	µCi	8.09E-03	7.89E-03	1.03	Agreement
	Co-58	3rd	µCi	2.49E-02	2.49E-02	1.00	Agreement
		4th	µCi	3.16E-02	3.20E-02	0.99	Agreement
		4th	µCi	6.47E-03	6.74E-03	0.96	Agreement
	Mn-54	3rd	µCi	2.03E-02	2.02E-02	1.00	Agreement
		4th	µCi	4.59E-02	4.52E-02	1.02	Agreement
		4th	µCi	9.62E-03	9.51E-03	1.01	Agreement
	Fe-59	3rd	µCi	3.45E-02	3.22E-02	1.07	Agreement
		4th	µCi	5.39E-02	5.03E-02	1.07	Agreement
		4th	µCi	1.08E-02	1.06E-02	1.02	Agreement
	Zn-65	3rd	µCi	1.14E-02	1.06E-02	1.08	Agreement
		4th	µCi	6.37E-02	6.06E-02	1.05	Agreement
		4th	µCi	1.34E-02	1.27E-02	1.06	Agreement
	Co-60	3rd	µCi	4.13E-02	4.02E-02	1.03	Agreement
		4th	µCi	4.41E-02	4.49E-02	0.98	Agreement
		4th	µCi	9.19E-03	9.44E-03	0.97	Agreement

Other BSEP Interlaboratory Cross Check Program Results from 2014 will be supplied upon request.

TABLE 4.0-E

2014 ANNUAL QUALITY ASSURANCE REPORT

for the RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM

for GEL Laboratories, LLC (GEL)

Sample	Nuclide	Quarter	Units	GEL Value	Known Value	Acceptance Range/Ratio	Evaluation
HDT in Soil MAPEP-14-MaS30	Fe-55	2nd	Bq/kg	580	643	444 - 824	Acceptable
		4th	Bq/kg	796	680	476 - 884	Acceptable
MAPEP-14-MaS30	Sr-90	2nd	Bq/kg	1.48	0	False Pos Test	Acceptable
ERA MRAD-20	Sr-90	2nd	pCi/kg	2500	2780	1060 - 4390	Acceptable
		2nd	pCi/kg	6730	8530	3250 - 13500	Acceptable
ERA MRAD-21	Sr-90	3rd	pCi/kg	8790	8420	3210 - 13300	Acceptable
Gamma in Soil	Am-241	2nd	Bq/kg	65	68	47.6 - 88.4	Acceptable
MAPEP-14-MaS30		4th	Bq/kg	88.4	85.5	59.9 - 111.2	Acceptable
(2Q 2014)	Co-57	2nd	Bq/kg	947.00	966	676 - 1256	Acceptable
		4th	Bq/kg	1160.0	1116	781 - 1451	Acceptable
MAPEP-13-MaS31	Cs-134	2nd	Bq/kg	5.44	0	False Pos Test	Acceptable
(4Q 2014)		4th	Bq/kg	588	622	435 - 809	Acceptable
	Cs-137	2nd	Bq/kg	1270	1238	867 - 1609	Acceptable
		4th	Bq/kg	1.67	0	False Pos Test	Acceptable
	Mn-54	2nd	Bq/kg	1470	1430	1001 - 1859	Acceptable
		4th	Bq/kg	1060	1009	706 - 1312	Acceptable
	Zn-65	2nd	Bq/kg	766	695	487 - 904	Acceptable
		4th	Bq/kg	605.0	541	379 - 703	Acceptable
	Co-60	2nd	Bq/kg	0.581	1.220	Sens. Eval.	Acceptable
		4th	Bq/kg	821	779	545 - 1013	Acceptable

Note: * HDT refers to Hard-to-detect radionuclides

TABLE 4.0-E (Cont.)

2014 ANNUAL QUALITY ASSURANCE REPORT

for the RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM

for GEL Laboratories, LLC (GEL)

Sample	Nuclide	Quarter	Units	GEL Value	Known Value	Acceptance Range/Ratio	Evaluation
Tritium in Water	H-3	1st	pCi/L	3320	3580	3030 - 3950	Acceptable
ERA 1Q RAD-96							
ERA 2Q MRAD-20		2nd	pCi/L	5280	5580	3740 - 7960	Acceptable
ERA 3Q RAD-98		3rd	pCi/L	10200	11200	9750 - 12300	Acceptable
			pCi/L	10400	11200	9750 - 12300	Acceptable
ERA 3Q MRAD-21		3rd	pCi/L	5490	5500	3680 - 7840	Acceptable
Gamma in Water	Ce-141	1st	pCi/L	81.9	77.1	1.06	Acceptable
EZA 1Q E10849		2nd	pCi/L	152	143	1.06	Acceptable
		3rd	pCi/L	130	125	1.04	Acceptable
EZA 2Q E10900	Cr-51	1st	pCi/L	332	319	1.04	Acceptable
		2nd	pCi/L	362	294	1.23	Acceptable
EZA 3Q E10996		3rd	pCi/L	275	286	0.96	Acceptable
	Cs-134	1st	pCi/L	127	136	0.93	Acceptable
		2nd	pCi/L	169	188	0.90	Acceptable
		3rd	pCi/L	145	156	0.93	Acceptable
	Cs-137	1st	pCi/L	169	164	1.03	Acceptable
		2nd	pCi/L	148	139	1.06	Acceptable
		3rd	pCi/L	194	192	1.01	Acceptable
	Co-58	1st	pCi/L	175	174	1.01	Acceptable
		2nd	pCi/L	134	130	1.03	Acceptable
		3rd	pCi/L	143	142	1.01	Acceptable
	Mn-54	1st	pCi/L	208	193	1.08	Acceptable
		2nd	pCi/L	188	180	1.04	Acceptable
		3rd	pCi/L	146	141	1.04	Acceptable
	Fe-59	1st	pCi/L	168	142	1.18	Acceptable
		2nd	pCi/L	129	119	1.08	Acceptable
		3rd	pCi/L	166	157	1.06	Acceptable
	Zn-65	1st	pCi/L	225	210	1.07	Acceptable
		2nd	pCi/L	329	293	1.12	Acceptable
		3rd	pCi/L	75.5	72.4	1.04	Acceptable
	Co-60	1st	pCi/L	231	219	1.05	Acceptable
		2nd	pCi/L	274	260	1.05	Acceptable
		3rd	pCi/L	309	295	1.05	Acceptable

Other GEL 2014 Annual Environmental Quality Assurance Report results will be supplied upon request.

TABLE 4.0-F

2014 ENVIRONMENTAL DOSIMETER CROSS-CHECK RESULTS

Nuclear Technology Services

Radiation Dosimetry and Records participates in a quarterly TLD intercomparison program administered by Nuclear Technology Services, Inc. of Roswell, GA. Nuclear Technology Services irradiates environmental dosimeters quarterly and sends them to the Radiation Dosimetry and Records group for analysis of the unknown estimated delivered exposure. The individual measurements were evaluated and results falling outside the acceptable ratio criteria had an evaluation performed to identify any recommended remedial actions and to reduce anomalous errors. Complete documentation of any evaluation will be available and provided to the NRC upon request.

1st Quarter 2014

TLD Number	Reported (mR)	Delivered (mR)	Bias (% diff)	Pass/Fail Criteria	Pass/Fail
102403	93.2	90.40	3.12	<+/-15%	Pass
103045	99.3	90.40	9.87	<+/-15%	Pass
103009	101.0	90.40	11.76	<+/-15%	Pass
102243	90.3	90.40	-0.09	<+/-15%	Pass
102858	97.9	90.40	8.33	<+/-15%	Pass
	Average Bias (B)		6.60		
	Standard Deviation (S)		4.93		
	Measure Performance |B|+S		11.53	<15%	Pass

2nd Quarter 2014

TLD Number	Reported (mR)	Delivered (mR)	Bias (% diff)	Pass/Fail Criteria	Pass/Fail
102196	18.07	18.66	-3.16	<+/-15%	Pass
102193	19.44	18.66	4.18	<+/-15%	Pass
102192	17.28	18.66	-7.40	<+/-15%	Pass
102176	17.70	18.66	-5.14	<+/-15%	Pass
102175	18.66	18.66	0.00	<+/-15%	Pass
	Average Bias (B)		-2.30		
	Standard Deviation (S)		4.53		
	Measure Performance |B|+S		6.83	<15%	Pass

3rd Quarter 2014

TLD Number	Reported (mR)	Delivered (mR)	Bias (% diff)	Pass/Fail Criteria	Pass/Fail
103705	70.04	69.7	0.49	<+/-15%	Pass
103704	69.36	69.7	-0.49	<+/-15%	Pass
103686	71.90	69.7	3.16	<+/-15%	Pass
103685	72.82	69.7	4.48	<+/-15%	Pass
103517	73.71	69.7	5.75	<+/-15%	Pass
	Average Bias (B)		2.68		
	Standard Deviation (S)		2.63		
	Measure Performance |B|+S		5.31	<15%	Pass

4th Quarter 2014

TLD Number	Reported (mR)	Delivered (mR)	Bias (% diff)	Pass/Fail Criteria	Pass/Fail
101241	84.63	77.7	8.92	<+/-15%	Pass
103494	87.46	77.7	12.56	<+/-15%	Pass
103229	88.45	77.7	13.84	<+/-15%	Pass
103493	89.19	77.7	14.79	<+/-15%	Pass
103044	91.02	77.7	17.14	<+/-15%	**Fail
	Average Bias (B)		13.45		
	Standard Deviation (S)		3.04		
	Measure Performance |B|+S		16.49	<15%	**Fail

**Refer to PIP G-15-00554

TABLE 4.0-F (Cont.)

Internal Crosscheck (Duke Energy)

Radiation Dosimetry and Records participates in a quarterly TLD intracomparison program administered internally by the Dosimetry Lab. The Dosimetry Lab Staff irradiates environmental dosimeters quarterly and submits them for analysis of the unknown estimated delivered exposure.

1st Quarter 2014

TLD Number	Reported (mR)	Delivered (mR)	Bias (% diff)	Pass/Fail Criteria	Pass/Fail
101221	30.14	32.7	-7.83	<+/-15%	Pass
102801	32.82	32.7	0.37	<+/-15%	Pass
100019	30.32	32.7	-7.28	<+/-15%	Pass
103173	32.14	32.7	-1.71	<+/-15%	Pass
100085	30.90	32.7	-5.50	<+/-15%	Pass
101024	30.92	32.7	-5.44	<+/-15%	Pass
100350	30.73	32.7	-6.02	<+/-15%	Pass
102359	30.71	32.7	-6.09	<+/-15%	Pass
103174	30.26	32.7	-7.46	<+/-15%	Pass
101376	31.49	32.7	-3.70	<+/-15%	Pass
	Average Bias (B)		-5.07		
	Standard Deviation (S)		2.65		
Measure Performance |B|+S			7.72	<15%	Pass

2nd Quarter 2014

TLD Number	Reported (mR)	Delivered (mR)	Bias (% diff)	Pass/Fail Criteria	Pass/Fail
103635	22.36	21.8	2.57	<+/-15%	Pass
102777	22.93	21.8	5.18	<+/-15%	Pass
103181	22.78	21.8	4.50	<+/-15%	Pass
103218	22.82	21.8	4.68	<+/-15%	Pass
103657	22.29	21.8	2.25	<+/-15%	Pass
102927	21.90	21.8	0.46	<+/-15%	Pass
103396	21.54	21.8	-1.19	<+/-15%	Pass
102723	22.84	21.8	4.77	<+/-15%	Pass
103394	22.47	21.8	3.07	<+/-15%	Pass
103058	22.36	21.8	2.57	<+/-15%	Pass
	Average Bias (B)		2.89		
	Standard Deviation (S)		2.05		
Measure Performance |B|+S			4.93	<15%	Pass

3rd Quarter 2014

TLD Number	Reported (mR)	Delivered (mR)	Bias (% diff)	Pass/Fail Criteria	Pass/Fail
102737	47.05	43.6	7.91	<+/-15%	Pass
102750	46.06	43.6	5.64	<+/-15%	Pass
102773	48.32	43.6	10.83	<+/-15%	Pass
102824	45.81	43.6	5.07	<+/-15%	Pass
102397	44.38	43.6	1.79	<+/-15%	Pass
102832	46.37	43.6	6.35	<+/-15%	Pass
102725	47.00	43.6	7.80	<+/-15%	Pass
102481	45.21	43.6	3.69	<+/-15%	Pass
102758	45.97	43.6	5.44	<+/-15%	Pass
103120	46.87	43.6	7.50	<+/-15%	Pass
	Average Bias (B)		6.20		
	Standard Deviation (S)		2.51		
Measure Performance |B|+S			8.71	<15%	Pass

4th Quarter 2014

TLD Number	Reported (mR)	Delivered (mR)	Bias (% diff)	Pass/Fail Criteria	Pass/Fail
102768	57.48	54.5	5.47	<+/-15%	Pass
103263	55.38	54.5	1.61	<+/-15%	Pass
103453	56.30	54.5	3.30	<+/-15%	Pass
102746	54.25	54.5	-0.46	<+/-15%	Pass
103656	56.09	54.5	2.92	<+/-15%	Pass
102482	53.50	54.5	-1.83	<+/-15%	Pass
103446	54.71	54.5	0.39	<+/-15%	Pass
103339	53.55	54.5	-1.74	<+/-15%	Pass
103582	53.97	54.5	-0.97	<+/-15%	Pass
103288	55.43	54.5	1.71	<+/-15%	Pass
	Average Bias (B)		1.04		
	Standard Deviation (S)		2.40		
Measure Performance |B|+S			3.44	<15%	Pass

APPENDIX A

ENVIRONMENTAL SAMPLING
&
ANALYSIS PROCEDURES

APPENDIX A

ENVIRONMENTAL SAMPLING AND ANALYSIS PROCEDURES

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

Environmental sampling was performed by BSEP and Fisheries and Aquatic Ecology; while the analyses were performed by BSEP, EnRad Laboratories, General Engineering Laboratory, Inc. (GEL) (for special analyses), and Dosimetry and Records.

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 2014.

II. DESCRIPTION OF ANALYSIS PROCEDURES

Gamma spectroscopy analyses are performed using high purity germanium gamma detectors and Canberra analytical software. Designated sample volumes are transferred to appropriate counting geometries and analyzed by gamma spectroscopy. Perishable samples such as fish and invertebrates, and broadleaf vegetation are ground to achieve a homogeneous mixture and then transferred to an appropriate counting geometry. 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 and invertebrates, broadleaf vegetation, soils, and sediments) are analyzed by gamma spectroscopy.

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

Gross beta analysis is performed weekly on air particulate filter samples by Tennelec XLB Series 5 gas-flow proportional counters. Samples are batch processed with a blank to ensure sample contamination has not occurred.

BSEP and GEL Laboratories follow their facility approved procedures to meet the required BSEP ODCM LLDs.

III. CHANGE OF ANALYSIS PROCEDURES

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

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

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

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

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

IV. SAMPLING AND ANALYSIS PROCEDURES

A.1 AIRBORNE PARTICULATE AND RADIOIODINE

Air particulate (AP) and air cartridge/air radioiodine (AC or AR) samples at each of seven 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 samples for gamma analysis. The continuous composite samples were collected from the locations listed below.

Location 200	=	1.0 miles WSW Visitors Center
Location 201	=	0.5 miles NE Bio Lab Rd. – Projected Maximum Annual Concentration (PMAC)
Location 202	=	1.0 miles S Substation, Construction Rd.
Location 203	=	2.0 miles SSW Southport substation
Location 204	=	22.4 miles NNE Sutton Plant (Historical Control)
Location 205	=	0.6 miles SSE Spoil Pond
Location 206	=	11.3 miles NW Brunswick County Complex (Control)

A.2 SURFACE WATER

A total of fifteen (15) Surface Water samples are collected at different intervals as stated in the BSEP ODCM. Monthly composite surface water samples were collected from two locations (SW-400 and 401) for gamma and tritium analyses. Weekly and Monthly grab samples were collected from five locations (SW-495 – 499). The weekly grab samples were analyzed for tritium, while the monthly grab samples were analyzed for gamma emitters. Weekly grab samples were collected from eight locations (SW-494, 604 – 610) and analyzed for tritium and ODCM specific sample combination composite samples for gamma analysis. The samples are collected from the locations listed below.

Location 400	=	0.6 miles NE – Intake Canal (Control)
Location 401	=	4.9 miles SSW – Discharge Canal @ OD Pumps
Location 494	=	Nancy's Creek Marsh Area – WP-106
Location 495	=	Nancy's Creek – WP-52
Location 496	=	Nancy's Creek – WP-53
Location 497	=	Nancy's Creek – WP-55
Location 498	=	Nancy's Creek – WP-57
Location 499	=	Nancy's Creek – WP-61 (Control)
Location 604	=	Nancy's Creek Marsh Area – WP-92
Location 605	=	Nancy's Creek Marsh Area – WP-72
Location 606	=	Nancy's Creek Marsh Area – WP-74
Location 607	=	Nancy's Creek Marsh Area – WP-76
Location 608	=	Nancy's Creek Marsh Area – WP-82
Location 609	=	Nancy's Creek Marsh Area – WP-84
Location 610	=	Nancy's Creek Marsh Area – WP-88

A.3 GROUND WATER

Grab samples were collected quarterly and semiannually from ground water wells at ten (10) locations. A tritium analysis was performed quarterly and a gamma analysis was performed semiannually on each sample. The samples were collected from the locations listed below.

Location 404	=	Monitoring Well ESS-1B - 0.16 miles SW
Location 407	=	Monitoring Well ESS-13B - 0.06 miles ENE
Location 409	=	Monitoring Well ESS-17A - 0.65 miles NE
Location 410	=	Monitoring Well ESS-17B - 0.65 miles NE
Location 418	=	Monitoring Well ESS-21B – Near SDSP
Location 423	=	Monitoring Well ESS-24A – Near SDSP
Location 424	=	Monitoring Well ESS-24B – Near SDSP
Location 426	=	Monitoring Well ESS-25B – Near SDSP
Location 429	=	Monitoring Well ESS-27A – Near SDSP
Location 612	=	Monitoring Well ESS MWPA-118B – Near Intake Canal & Plant Stack

Note: SDSP = Storm Drain Stabilization Pond

A.4 BROADLEAF VEGETATION

Monthly samples were collected at each of five locations during 2014. A gamma analysis was performed on each sample. The samples were collected from the locations listed below.

Location 800	=	0.7 miles NE – Intake Canal
Location 801	=	0.8 miles SW – Discharge Canal
Location 802	=	10.1 miles – location not specified (Control)
Location 803	=	0.6 miles SSE – Spoil Pond
Location 804	=	0.7 miles S – Leonard Street plant exit adjacent to RR tracks

A.5 FISH and INVERTEBRATES

Fish (free swimmers and bottom feeders) and Invertebrates (shell fish and/or benthic organisms) samples are collected semiannually from two locations (near the Atlantic Ocean discharge pipe at Caswell Beach and a control location in the Atlantic Ocean not influenced by plant operations) and annually from three locations on Nancy's Creek (see Figure 2.1-4). A gamma analysis was performed on the edible portions of each sample and tritium analysis on locations 706, 707, and 708. The samples were collected from the locations listed below.

Location 700	=	5.5 miles SSW - Atlantic Ocean @ discharge (free

swimmers)

Location 701	=	5.5 miles SSW – Atlantic Ocean @ discharge (bottom feeders)
Location 702	=	5.5 miles SSW – Atlantic Ocean @ discharge (shellfish/ Invertebrates)
Location 703	=	Atlantic Ocean; location not specified (free swimmer) – (Control)
Location 704	=	Atlantic Ocean; location not specified (bottom feeders) – (Control)
Location 705	=	Atlantic Ocean; location not specified (shellfish/ Invertebrates)
Location 706	=	Nancy's Creek; location not specified (free swimmer)
Location 707	=	Nancy's Creek; location not specified (bottom feeders)
Location 708	=	Nancy's Creek; location not specified (shellfish/ Invertebrates)

A.6 SHORELINE SEDIMENT

Semiannual samples were collected at one location (SS-500), while an annual sample was collected at another location (SS-501). A gamma analysis was performed on each sample following the drying and removal of rocks and clams. If activity attributed to plant operations is detected in the annual shoreline sediment gamma analysis for SS-501, then the sample is analyzed for Hard-to-detect radionuclides (Fe-55 and Sr-89, 90) by a vendor laboratory (GEL) and the sample frequency is increased to semiannually. The samples were collected from the locations listed below.

Location 500	=	5.0 miles SSW – Discharge; Beach near Ocean Discharge (OD) pumps
Location 501	=	Nancy's Creek, Adjacent to WP-55, Near Storm Drain Stabilization Pond

A.7 DIRECT GAMMA RADIATION (TLD)

Thermoluminescent dosimeters (TLD) were collected quarterly at forty-five locations and four quarterly ISFSI TLDs. 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 24 TLDs, one in each meteorological sector in the general area of the site boundary.

* An outer ring of 20 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 one control location.

A.8 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 50 square meters or 500 square feet, producing broadleaf vegetation
- The Nearest Milk-giving Animal (cow, goat, etc.)

The Annual Land Use Census must also identify (for elevated releases) within the three-mile (4.8 kilometer) radius of the plant (a garden census) for each of the 16 meteorological sectors for the following:

- The location of all milk animals
- The location of all gardens of greater than 500 square feet (or 50 square meters), producing broadleaf vegetation.

The census was conducted during the growing season from June 5, 2014, and June 9 through 11, 2014. Results are shown in Tables 3.8-A and 3.8-B. No changes were made to the sampling procedures during 2014 as a result of the 2014 census.

APPENDIX B

RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM

SUMMARY OF RESULTS

2014

BRUNSWICK STEAM ELECTRIC PLANT
RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM DATA SUMMARY

Brunswick Steam Electric Plant
Brunswick County, North Carolina

Docket Numbers: 50-324 and 325
Calendar Year: 2014

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	Location w/Highest Annual Mean[2] Mean[2][3] Range[2]	Control Locations Mean[2][3] Range[2]	No. of Non-Routine Report Meas.
Air Particulate (pCi/m^3)	Gross Beta 363[4]	See Table 2.2-C	1.85E-2 (260/260) 7.99E-3 – 3.69E-2	Loc. # 203 Southport Substation 2.0 miles SSW	1.97E-2 (52/52) 9.23E-3 – 3.69E-2	Loc. # 204 & 206 1.84E-2 (103/103) 7.55E-3 – 3.49E-2	0
	Gamma[5] 28	See Table 2.2-C	All less than LLD	-----	-----	All less than LLD	0
Air Radioiodine (pCi/m^3)	I-131 363[4]	See Table 2.2-C	All less than LLD	-----	-----	All less than LLD	0
Broadleaf Vegetation (pCi/kg, wet)	Gamma[4][5] 60 Cs-137	See Table 2.2-C	All less than LLD	-----	-----	Loc. # 802 2.29E+1 (1/12) Single Value	0
Fish and Invertebrates (pCi/kg, wet)	Gamma[5] 15 Cs-137	See Table 2.2-C	1.00E+1 (2/9) 8.79E+0 – 1.13E+1	Loc. # 700 Atlantic Ocean @ discharge (Free Swimmer) 5.5 miles SSW	1.00E+1 (2/2) 8.79E+0 – 1.13E+1	All less than LLD	0
	Tritium 3	4.0E+3[8]	All less than LLD	-----	-----	No Control	0
Sediments -- Shoreline (pCi/kg, dry)	Gamma[5] 4 Cs-137	See Table 2.2-C	1.26E+2 (2/4) 1.21E+2 – 1.32E+2	Loc. # 501 Nancy's Creek adjacent to WP-55 near SDSP	1.26E+2 (2/2) 1.21E+2 – 1.32E+2	No Control[9]	0
	Hard-to-detects (Fe-55, Sr-89/90) 6	-----	All less than LLD	-----	-----	No Control	0

BRUNSWICK STEAM ELECTRIC PLANT
RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM DATA SUMMARY (cont.)

Brunswick Steam Electric Plant
Brunswick County, North Carolina

Docket Numbers: 50-324 and 325
Calendar Year: 2014

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	Location w/Highest Annual Mean[2] Mean[2][3] Range[2]	Control Locations Mean[2][3] Range[2]	No. of Non-Routine Report Meas.
Surface Water (pCi/l)	Gamma[5] 243	See Table 2.2-C	All less than LLD	-----	-----	All less than LLD	0
	Tritium 704	3,000[7]	7.93E+2 (32/640) 2.42E+2 – 3.17E+3	Loc. # 604 Nancy's Creek Marsh Area WP-92	8.80E+2 (27/53) 2.52E+2 – 3.17E+3	All less than LLD	0
Ground Water (pCi/l)	Gamma[5] 20	See Table 2.2-C	All less than LLD	-----	-----	No Control	0
	Tritium 43	3,000[7]	5.88E+2 (5/43) 3.24E+2 – 7.38E+2	Loc. # 407 (Well 13B) 0.06 miles ENE	6.54E+2 (4/4) 5.19E+2 – 7.38E+2	No Control	0
Direct Radiation (TLD) (mR per std. quarter)[6]	TLD Readout 179[4]	-----	1.00E+1 (175/175) 3.97E+0 – 1.63E+1	Loc. # 39 5.3 miles SW	1.29E+1 (4/4) 9.67E+0 – 1.63E+1	Loc. #81 1.05E+1 (4/4) 7.33E+0 – 1.53E+1	0
Direct Radiation ISFSI (TLD - ISFSI) (mR per std. quarter)[6]	TLD Readout 16	-----	3.35E+1 (16/16) 1.66E+1 – 5.97E+1	Loc. # 85 SE Corner of ISFSI 0.09 miles ENE	4.86E+1 (4/4) 3.86E+1 – 5.97E+1	No Control	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. Summary of gamma analysis results in this report does not include the following naturally occurring isotopes since most environmental samples contained some or all of these: Be-7, K-40, Tl-208, Pb-212, Bi-214, Pb-214, and Ra-226.

6. TLD exposure is reported in milliroentgen (mR) per standard quarter (91 days).

7. 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 values with the NC Division of Radiation Protection (NCDRP) Laboratory.

8. The tritium reporting limit for Fish per General Engineering Laboratories (GEL) is 4.0E+3 pCi/kilogram.

9. Shoreline Sediment background samples were collected in 2014, but are not an ODCM sample; therefore, are not recorded in the data (gamma and Hard-to-detects [Fe-55, Sr-89, and Sr-90]).

APPENDIX C

SAMPLING DEVIATIONS
&
UNAVAILABLE ANALYSES

APPENDIX C

BRUNSWICK NUCLEAR PLANT
SAMPLING DEVIATIONS & UNAVAILABLE ANALYSES

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

C.1 SAMPLING DEVIATIONS

Air Particulate and Air Radioiodines

Any REMP weekly air samples (Air Cartridge – AC or Air Radioiodine – AR) that experience any downtime during a surveillance period will be reported as a Deviation and will be classified as a "Sampling Deviation". However, the sample will be counted and the data reported, whereas a Deviation with no available sample will be classified as an "Unavailable Analyses" and will not have any data reported. The air samplers operated for a total of >99% availability in 2014.

Location	Scheduled Collection Dates	Code	Description & Action to Prevent Recurrence	Corrective Action
206	2/25/14 – 3/4/14	PI	4.9 hrs. downtime due to power interruption caused by severe winter weather	673226
202	3/4/14 – 3/11/14	PI	8.5 hrs. downtime due to power interruption	673236
205	3/4/14 – 3/11/14	PI	6.0 hrs. downtime due to Storms in area	673412
203	4/1/14 – 4/8/14	PI	1.5 hrs. downtime due to Storms in area	680133
205	4/15/14 – 4/22/14	PI	2.2 hrs. downtime due to Storms in area	682291
200	6/17/14 – 6/24/14	PI/BF	8.3 hrs. downtime due to Storms/ Blown fuse	694290
206	6/17/14 – 6/24/14	PI/BF	2.3 hrs. downtime due to Storms/ Blown fuse	694221
206	7/1/14 – 7/8/14	BF	6.75 hrs. downtime – blown fuse on 7/1/14 – 7/2/14	696172
206	7/1/14 – 7/8/14	BF	11.8 hrs. downtime – blown fuse on 7/3/14 – 7/4/14 – Replaced sampler.	696488
200	7/29/14 – 8/5/14	PO	1.5 hrs. downtime – Thunderstorms lost power on 8/1/14	701294
201	7/29/14 – 8/5/14	PO	7.5 hrs. downtime – Thunderstorms lost power on 8/1 & 3/14	701303
202	7/29/14 – 8/5/14	PO	1.5 hrs. downtime – Thunderstorms lost power on 8/1/14	701296
203	7/29/14 – 8/5/14	PO	1.5 hrs. downtime – Thunderstorms lost power on 8/1/14	701297
205	7/29/14 – 8/5/14	PO	1.5 hrs. downtime – Thunderstorms lost power on 8/1/14	701298
200	8/26/14 – 9/2/14	OT/PO	< 1 hr. downtime – Power Outage on 8/30/14 due to Southport Feeder tripped	706078
202	8/26/14 – 9/2/14	OT/PO	< 1 hr. downtime – Reason same as above	706078
203	8/26/14 – 9/2/14	OT/PO	< 1 hr. downtime – Reason same as above	706078
205	8/26/14 – 9/2/14	OT/PO	< 1 hr. downtime – Reason same as above	706078
204	10/14/14 – 10/21/14	PO	36.1 hrs. downtime on 10/29/14 due to power outage at Sutton Plant	714436
204	10/21/14 – 10/28/14	PO	63 hrs. downtime due to power loss/outage at Sutton Plant	715447
204	11/25/14 – 12/2/14	OT	11 hrs. downtime due to Flow Totalizer failure	721647

C.2 UNAVAILABLE ANALYSES

Air Particulate and Air Radioiodines

Location	Scheduled Collection Dates	Code	Description & Action to Prevent Recurrence	Corrective Action
204	11/8/14 – 11/25/14	OT	Missed sample due to Flow Totalizer failure	720595

TLD

Location	Scheduled Collection Dates	Code	Description & Action to Prevent Recurrence	Corrective Action
38	4/8/14 – 7/8/14 (2nd Qtr. 2014)	VN	TLD missing in field from the power pole at the time of collection. Area was searched but TLD could not be found.	CR # 696953

APPENDIX D

ANALYTICAL DEVIATIONS

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

APPENDIX E

RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM RESULTS

2014

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
280678	12/31/2013 - 1/7/2014	Beta	2.00E-02	2.07E-03	4.53E-03
280851	1/7/2014 - 1/14/2014	Beta	1.94E-02	1.97E-03	4.05E-03
281210	1/14/2014 - 1/21/2014	Beta	1.79E-02	1.95E-03	4.18E-03
281531	1/21/2014 - 1/28/2014	Beta	2.19E-02	2.21E-03	4.79E-03
282154	1/28/2014 - 2/4/2014	Beta	1.79E-02	1.98E-03	4.33E-03
282966	2/4/2014 - 2/11/2014	Beta	2.04E-02	2.17E-03	4.89E-03
283413	2/11/2014 - 2/18/2014	Beta	2.36E-02	2.21E-03	4.50E-03
284580	2/18/2014 - 2/25/2014	Beta	1.58E-02	1.95E-03	4.64E-03
285141	2/25/2014 - 3/4/2014	Beta	2.35E-02	2.28E-03	5.03E-03
285746	3/4/2014 - 3/11/2014	Beta	1.70E-02	2.02E-03	4.72E-03
286250	3/11/2014 - 3/18/2014	Beta	1.49E-02	1.91E-03	4.46E-03
287135	3/18/2014 - 3/25/2014	Beta	1.54E-02	1.80E-03	3.83E-03
288386	3/25/2014 - 4/1/2014	Beta	1.99E-02	2.08E-03	4.46E-03
289016	12/31/2013 - 4/1/2014	Cs-134	<6.14E-04	0.00E+00	6.14E-04
		Cs-137	<5.92E-04	0.00E+00	5.92E-04
		Be-7	1.29E-01	7.80E-03	8.04E-03
		K-40	1.38E-02	3.63E-03	7.05E-03
289110	4/1/2014 - 4/8/2014	Beta	2.01E-02	2.07E-03	4.41E-03
289496	4/8/2014 - 4/15/2014	Beta	1.94E-02	2.01E-03	4.29E-03
289906	4/15/2014 - 4/22/2014	Beta	1.94E-02	1.91E-03	3.68E-03
291511	4/22/2014 - 4/29/2014	Beta	2.01E-02	2.09E-03	4.52E-03
292805	4/29/2014 - 5/6/2014	Beta	2.43E-02	2.15E-03	4.20E-03
293067	5/6/2014 - 5/13/2014	Beta	3.10E-02	2.32E-03	4.11E-03
294698	5/13/2014 - 5/20/2014	Beta	2.40E-02	2.04E-03	3.58E-03
295207	5/20/2014 - 5/27/2014	Beta	2.06E-02	2.07E-03	4.52E-03
295468	5/27/2014 - 6/3/2014	Beta	1.90E-02	1.96E-03	4.09E-03

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
295983	6/3/2014 - 6/10/2014	Beta	1.58E-02	1.97E-03	4.76E-03
296228	6/10/2014 - 6/17/2014	Beta	1.81E-02	1.96E-03	4.31E-03
296749	6/17/2014 - 6/24/2014	Beta	1.45E-02	2.01E-03	5.06E-03
296976	6/24/2014 - 7/1/2014	Beta	1.59E-02	1.88E-03	4.40E-03
297280	4/1/2014 - 7/1/2014	Cs-134	<1.61E-03	0.00E+00	1.61E-03
		Cs-137	<1.62E-03	0.00E+00	1.62E-03
		Be-7	1.82E-01	4.26E-02	2.94E-02
		K-40	3.49E-02	1.96E-02	2.28E-02
297373	7/1/2014 - 7/8/2014	Beta	1.46E-02	3.52E-03	4.04E-03
297661	7/8/2014 - 7/15/2014	Beta	1.23E-02	3.46E-03	4.33E-03
298197	7/15/2014 - 7/22/2014	Beta	1.39E-02	3.46E-03	4.05E-03
350661	7/22/2014 - 7/29/2014	Beta	1.05E-02	3.40E-03	4.54E-03
350941	7/29/2014 - 8/5/2014	Beta	1.17E-02	3.36E-03	4.20E-03
351475	8/5/2014 - 8/12/2014	Beta	1.99E-02	4.00E-03	4.46E-03
353356	8/12/2014 - 8/19/2014	Beta	2.00E-02	3.93E-03	4.22E-03
353923	8/19/2014 - 8/26/2014	Beta	1.44E-02	3.65E-03	4.49E-03
354371	8/26/2014 - 9/2/2014	Beta	1.33E-02	3.36E-03	3.94E-03
354687	9/2/2014 - 9/9/2014	Beta	7.99E-03	2.97E-03	4.01E-03
355011	9/9/2014 - 9/16/2014	Beta	9.61E-03	3.29E-03	4.40E-03
355539	9/16/2014 - 9/23/2014	Beta	2.59E-02	4.33E-03	4.29E-03
356348	9/23/2014 - 9/30/2014	Beta	1.12E-02	3.27E-03	4.10E-03
355546	7/1/2014 - 9/30/2014	Cs-134	<1.58E-03	0.00E+00	1.58E-03
		Cs-137	<1.47E-03	0.00E+00	1.47E-03
		Be-7	7.41E-02	3.09E-02	4.00E-02
		K-40	1.42E-02	1.53E-02	2.37E-02
356957	9/30/2014 - 10/7/2014	Beta	2.53E-02	4.26E-03	4.13E-03
357963	10/7/2014 - 10/14/2014	Beta	2.08E-02	4.04E-03	4.35E-03
358586	10/14/2014 - 10/21/2014	Beta	1.41E-02	3.46E-03	3.98E-03

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

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

Sample Point 200 [INDICATOR - WSW @ 1 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
359190	10/21/2014 - 10/28/2014	Beta	1.35E-02	3.63E-03	4.54E-03
359945	10/28/2014 - 11/4/2014	Beta	2.41E-02	4.37E-03	4.60E-03
360636	11/4/2014 - 11/11/2014	Beta	2.85E-02	4.50E-03	4.22E-03
361504	11/11/2014 - 11/18/2014	Beta	1.78E-02	4.10E-03	4.90E-03
361889	11/18/2014 - 11/25/2014	Beta	2.72E-02	4.38E-03	3.94E-03
362698	11/25/2014 - 12/2/2014	Beta	1.44E-02	3.62E-03	4.31E-03
363447	12/2/2014 - 12/9/2014	Beta	1.94E-02	4.15E-03	4.76E-03
363899	12/9/2014 - 12/16/2014	Beta	1.98E-02	4.14E-03	4.63E-03
364407	12/16/2014 - 12/23/2014	Beta	2.44E-02	4.28E-03	4.22E-03
364872	12/23/2014 - 12/30/2014	Beta	1.09E-02	3.42E-03	4.46E-03
364414	9/30/2014 - 12/30/2014	Cs-134	<1.25E-03	0.00E+00	1.25E-03
		Cs-137	<1.51E-03	0.00E+00	1.51E-03
		Be-7	1.09E-01	2.81E-02	2.04E-02
		K-40	<2.63E-02	0.00E+00	2.63E-02

Sample Point 201 [INDICATOR - NE @ 0.5 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
280679	12/31/2013 - 1/7/2014	Beta	1.97E-02	2.00E-03	4.34E-03
280852	1/7/2014 - 1/14/2014	Beta	1.51E-02	1.77E-03	3.86E-03
281211	1/14/2014 - 1/21/2014	Beta	1.48E-02	1.86E-03	4.26E-03
281532	1/21/2014 - 1/28/2014	Beta	2.02E-02	2.06E-03	4.50E-03
282155	1/28/2014 - 2/4/2014	Beta	1.82E-02	1.90E-03	4.05E-03
282967	2/4/2014 - 2/11/2014	Beta	1.80E-02	1.99E-03	4.56E-03
283414	2/11/2014 - 2/18/2014	Beta	1.98E-02	1.97E-03	4.17E-03
284581	2/18/2014 - 2/25/2014	Beta	1.70E-02	1.89E-03	4.33E-03
285142	2/25/2014 - 3/4/2014	Beta	2.14E-02	2.10E-03	4.66E-03
285747	3/4/2014 - 3/11/2014	Beta	2.00E-02	2.00E-03	4.33E-03
286251	3/11/2014 - 3/18/2014	Beta	1.74E-02	1.89E-03	4.11E-03

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 201 [INDICATOR - NE @ 0.5 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
287136	3/18/2014 - 3/25/2014	Beta	1.42E-02	1.66E-03	3.54E-03
288387	3/25/2014 - 4/1/2014	Beta	1.58E-02	1.83E-03	4.11E-03
289015	12/31/2013 - 4/1/2014	Cs-134	<7.61E-04	0.00E+00	7.61E-04
		Cs-137	<8.81E-04	0.00E+00	8.81E-04
		Be-7	1.18E-01	1.15E-02	1.30E-02
		K-40	3.78E-02	6.37E-03	9.59E-03
289111	4/1/2014 - 4/8/2014	Beta	1.80E-02	1.93E-03	4.19E-03
289497	4/8/2014 - 4/15/2014	Beta	1.73E-02	1.85E-03	4.01E-03
289907	4/15/2014 - 4/22/2014	Beta	1.62E-02	1.71E-03	3.41E-03
291512	4/22/2014 - 4/29/2014	Beta	2.08E-02	2.03E-03	4.26E-03
292806	4/29/2014 - 5/6/2014	Beta	1.80E-02	1.88E-03	3.98E-03
293068	5/6/2014 - 5/13/2014	Beta	3.06E-02	2.34E-03	4.17E-03
294699	5/13/2014 - 5/20/2014	Beta	2.05E-02	1.88E-03	3.44E-03
295208	5/20/2014 - 5/27/2014	Beta	1.82E-02	1.98E-03	4.45E-03
295469	5/27/2014 - 6/3/2014	Beta	1.82E-02	1.87E-03	3.88E-03
295984	6/3/2014 - 6/10/2014	Beta	1.23E-02	1.84E-03	4.73E-03
296229	6/10/2014 - 6/17/2014	Beta	2.16E-02	2.05E-03	4.23E-03
296750	6/17/2014 - 6/24/2014	Beta	1.39E-02	1.90E-03	4.72E-03
296977	6/24/2014 - 7/1/2014	Beta	1.59E-02	1.83E-03	4.22E-03
297279	4/1/2014 - 7/1/2014	Cs-134	<2.26E-03	0.00E+00	2.26E-03
		Cs-137	<1.91E-03	0.00E+00	1.91E-03
		Be-7	1.40E-01	5.39E-02	6.32E-02
		K-40	2.13E-02	1.99E-02	2.69E-02
297374	7/1/2014 - 7/8/2014	Beta	1.92E-02	3.76E-03	3.92E-03
297662	7/8/2014 - 7/15/2014	Beta	1.28E-02	3.38E-03	4.16E-03
298198	7/15/2014 - 7/22/2014	Beta	1.52E-02	3.42E-03	3.85E-03
350662	7/22/2014 - 7/29/2014	Beta	1.87E-02	3.84E-03	4.33E-03
350942	7/29/2014 - 8/5/2014	Beta	9.37E-03	3.22E-03	4.25E-03

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
351476	8/5/2014 - 8/12/2014	Beta	2.26E-02	4.05E-03	4.28E-03
353357	8/12/2014 - 8/19/2014	Beta	1.55E-02	3.55E-03	4.07E-03
353925	8/19/2014 - 8/26/2014	Beta	1.30E-02	3.43E-03	4.28E-03
354372	8/26/2014 - 9/2/2014	Beta	1.14E-02	3.13E-03	3.79E-03
354688	9/2/2014 - 9/9/2014	Beta	1.13E-02	3.16E-03	3.92E-03
355012	9/9/2014 - 9/16/2014	Beta	8.23E-03	3.06E-03	4.20E-03
355540	9/16/2014 - 9/23/2014	Beta	1.93E-02	3.76E-03	4.03E-03
356349	9/23/2014 - 9/30/2014	Beta	1.42E-02	3.41E-03	3.96E-03
355547	7/1/2014 - 9/30/2014	Cs-134	<1.65E-03	0.00E+00	1.65E-03
		Cs-137	<1.30E-03	0.00E+00	1.30E-03
		Be-7	1.03E-01	2.74E-02	1.94E-02
		K-40	<3.01E-02	0.00E+00	3.01E-02
356958	9/30/2014 - 10/7/2014	Beta	2.31E-02	3.96E-03	3.88E-03
357964	10/7/2014 - 10/14/2014	Beta	2.03E-02	3.94E-03	4.25E-03
358587	10/14/2014 - 10/21/2014	Beta	1.73E-02	3.55E-03	3.77E-03
359191	10/21/2014 - 10/28/2014	Beta	1.58E-02	3.65E-03	4.31E-03
359946	10/28/2014 - 11/4/2014	Beta	2.25E-02	4.10E-03	4.38E-03
360637	11/4/2014 - 11/11/2014	Beta	2.26E-02	3.99E-03	3.98E-03
361505	11/11/2014 - 11/18/2014	Beta	1.57E-02	3.78E-03	4.60E-03
361890	11/18/2014 - 11/25/2014	Beta	2.32E-02	3.96E-03	3.70E-03
362699	11/25/2014 - 12/2/2014	Beta	1.50E-02	3.52E-03	4.07E-03
363448	12/2/2014 - 12/9/2014	Beta	1.82E-02	3.88E-03	4.46E-03
363900	12/9/2014 - 12/16/2014	Beta	2.00E-02	3.94E-03	4.34E-03
364408	12/16/2014 - 12/23/2014	Beta	2.47E-02	4.11E-03	3.95E-03
364873	12/23/2014 - 12/30/2014	Beta	1.43E-02	3.69E-03	4.46E-03
364415	9/30/2014 - 12/30/2014	Cs-134	<1.84E-03	0.00E+00	1.84E-03
		Cs-137	<1.81E-03	0.00E+00	1.81E-03

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

EnRad Laboratories
13339 Hagers Ferry Road
Huntersville, North Carolina 28078

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

Sample Point 201 [INDICATOR - NE @ 0.5 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
364415	9/30/2014 - 12/30/2014	Be-7	9.58E-02	2.81E-02	2.72E-02
		K-40	1.99E-02	1.68E-02	2.40E-02

Sample Point 202 [INDICATOR - S @ 1 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
280680	12/31/2013 - 1/7/2014	Beta	1.72E-02	2.01E-03	4.65E-03
280853	1/7/2014 - 1/14/2014	Beta	1.75E-02	1.91E-03	4.06E-03
281212	1/14/2014 - 1/21/2014	Beta	1.89E-02	1.97E-03	4.14E-03
281533	1/21/2014 - 1/28/2014	Beta	2.19E-02	2.20E-03	4.76E-03
282156	1/28/2014 - 2/4/2014	Beta	1.87E-02	1.99E-03	4.28E-03
282968	2/4/2014 - 2/11/2014	Beta	2.13E-02	2.17E-03	4.79E-03
283415	2/11/2014 - 2/18/2014	Beta	2.00E-02	2.09E-03	4.49E-03
284582	2/18/2014 - 2/25/2014	Beta	1.56E-02	1.94E-03	4.63E-03
285143	2/25/2014 - 3/4/2014	Beta	2.53E-02	2.32E-03	4.98E-03
285748	3/4/2014 - 3/11/2014	Beta	1.75E-02	2.11E-03	4.92E-03
286252	3/11/2014 - 3/18/2014	Beta	1.57E-02	1.93E-03	4.42E-03
287137	3/18/2014 - 3/25/2014	Beta	1.25E-02	1.68E-03	3.79E-03
288388	3/25/2014 - 4/1/2014	Beta	1.61E-02	1.94E-03	4.44E-03
289018	12/31/2013 - 4/1/2014	Cs-134	<6.17E-04	0.00E+00	6.17E-04
		Cs-137	<7.14E-04	0.00E+00	7.14E-04
		Be-7	1.09E-01	7.95E-03	8.39E-03
		K-40	1.65E-02	4.18E-03	8.48E-03
289112	4/1/2014 - 4/8/2014	Beta	2.16E-02	2.11E-03	4.36E-03
289498	4/8/2014 - 4/15/2014	Beta	2.21E-02	2.10E-03	4.29E-03
289908	4/15/2014 - 4/22/2014	Beta	1.62E-02	1.81E-03	3.67E-03
291513	4/22/2014 - 4/29/2014	Beta	1.81E-02	2.02E-03	4.51E-03
292807	4/29/2014 - 5/6/2014	Beta	1.90E-02	1.99E-03	4.24E-03
293069	5/6/2014 - 5/13/2014	Beta	3.33E-02	2.41E-03	4.16E-03
294700	5/13/2014 - 5/20/2014	Beta	2.35E-02	2.05E-03	3.64E-03

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 202 [INDICATOR - S @ 1 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
295209	5/20/2014 - 5/27/2014	Beta	1.79E-02	2.02E-03	4.63E-03
295470	5/27/2014 - 6/3/2014	Beta	1.97E-02	2.01E-03	4.16E-03
295985	6/3/2014 - 6/10/2014	Beta	1.65E-02	2.00E-03	4.78E-03
296230	6/10/2014 - 6/17/2014	Beta	1.89E-02	2.01E-03	4.38E-03
296751	6/17/2014 - 6/24/2014	Beta	1.74E-02	2.06E-03	4.89E-03
296978	6/24/2014 - 7/1/2014	Beta	2.00E-02	2.05E-03	4.48E-03
297282	4/1/2014 - 7/1/2014	Cs-134	<1.94E-03	0.00E+00	1.94E-03
		Cs-137	<2.86E-03	0.00E+00	2.86E-03
		Be-7	1.51E-01	6.02E-02	7.35E-02
		K-40	5.41E-02	2.75E-02	9.17E-03
297375	7/1/2014 - 7/8/2014	Beta	1.51E-02	3.59E-03	4.09E-03
297663	7/8/2014 - 7/15/2014	Beta	1.37E-02	3.60E-03	4.44E-03
298199	7/15/2014 - 7/22/2014	Beta	1.18E-02	3.34E-03	4.14E-03
350663	7/22/2014 - 7/29/2014	Beta	1.52E-02	3.80E-03	4.66E-03
350943	7/29/2014 - 8/5/2014	Beta	8.84E-03	3.19E-03	4.31E-03
351477	8/5/2014 - 8/12/2014	Beta	1.96E-02	4.07E-03	4.57E-03
353358	8/12/2014 - 8/19/2014	Beta	1.97E-02	3.99E-03	4.34E-03
353928	8/19/2014 - 8/26/2014	Beta	1.62E-02	3.84E-03	4.59E-03
354373	8/26/2014 - 9/2/2014	Beta	1.25E-02	3.36E-03	4.04E-03
354689	9/2/2014 - 9/9/2014	Beta	1.21E-02	3.38E-03	4.13E-03
355013	9/9/2014 - 9/16/2014	Beta	8.38E-03	3.24E-03	4.51E-03
355541	9/16/2014 - 9/23/2014	Beta	2.09E-02	4.07E-03	4.36E-03
356350	9/23/2014 - 9/30/2014	Beta	1.55E-02	3.67E-03	4.22E-03
355548	7/1/2014 - 9/30/2014	Cs-134	<1.45E-03	0.00E+00	1.45E-03
		Cs-137	<1.40E-03	0.00E+00	1.40E-03
		Be-7	9.53E-02	3.10E-02	3.35E-02
		K-40	1.72E-02	1.47E-02	2.03E-02
356959	9/30/2014 - 10/7/2014	Beta	2.38E-02	4.21E-03	4.19E-03

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

Sample Point 202 [INDICATOR - S @ 1 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
357965	10/7/2014 - 10/14/2014	Beta	2.30E-02	4.24E-03	4.45E-03
358588	10/14/2014 - 10/21/2014	Beta	1.59E-02	3.64E-03	4.06E-03
359192	10/21/2014 - 10/28/2014	Beta	1.88E-02	4.05E-03	4.63E-03
359947	10/28/2014 - 11/4/2014	Beta	2.30E-02	4.35E-03	4.68E-03
360638	11/4/2014 - 11/11/2014	Beta	2.36E-02	4.28E-03	4.30E-03
361506	11/11/2014 - 11/18/2014	Beta	1.95E-02	4.24E-03	4.99E-03
361891	11/18/2014 - 11/25/2014	Beta	2.94E-02	4.57E-03	4.01E-03
362700	11/25/2014 - 12/2/2014	Beta	1.84E-02	3.95E-03	4.38E-03
363449	12/2/2014 - 12/9/2014	Beta	2.00E-02	4.22E-03	4.82E-03
363901	12/9/2014 - 12/16/2014	Beta	2.65E-02	4.62E-03	4.74E-03
364409	12/16/2014 - 12/23/2014	Beta	2.51E-02	4.34E-03	4.24E-03
364874	12/23/2014 - 12/30/2014	Beta	1.37E-02	3.58E-03	4.35E-03
364416	9/30/2014 - 12/30/2014	Cs-134	<1.97E-03	0.00E+00	1.97E-03
		Cs-137	<1.77E-03	0.00E+00	1.77E-03
		Be-7	8.10E-02	3.39E-02	4.54E-02
		K-40	3.33E-02	1.80E-02	1.79E-02

Sample Point 203 [INDICATOR - SSW @ 2 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
280681	12/31/2013 - 1/7/2014	Beta	1.74E-02	1.97E-03	4.51E-03
280854	1/7/2014 - 1/14/2014	Beta	2.00E-02	2.05E-03	4.19E-03
281213	1/14/2014 - 1/21/2014	Beta	1.69E-02	1.97E-03	4.37E-03
281534	1/21/2014 - 1/28/2014	Beta	2.36E-02	2.21E-03	4.64E-03
282157	1/28/2014 - 2/4/2014	Beta	2.16E-02	2.06E-03	4.17E-03
282969	2/4/2014 - 2/11/2014	Beta	1.96E-02	2.07E-03	4.67E-03
283416	2/11/2014 - 2/18/2014	Beta	2.83E-02	2.32E-03	4.39E-03
284583	2/18/2014 - 2/25/2014	Beta	1.46E-02	1.84E-03	4.41E-03
285144	2/25/2014 - 3/4/2014	Beta	2.56E-02	2.28E-03	4.83E-03

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

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BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 203 [INDICATOR - SSW @ 2 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
285749	3/4/2014 - 3/11/2014	Beta	1.71E-02	1.97E-03	4.52E-03
286253	3/11/2014 - 3/18/2014	Beta	1.79E-02	1.96E-03	4.27E-03
287138	3/18/2014 - 3/25/2014	Beta	1.92E-02	1.89E-03	3.67E-03
288389	3/25/2014 - 4/1/2014	Beta	1.78E-02	1.94E-03	4.25E-03
289019	12/31/2013 - 4/1/2014	Cs-134	<6.02E-04	0.00E+00	6.02E-04
		Cs-137	<5.73E-04	0.00E+00	5.73E-04
		Be-7	1.36E-01	7.07E-03	7.14E-03
		K-40	3.85E-02	3.89E-03	3.64E-03
289113	4/1/2014 - 4/8/2014	Beta	1.89E-02	1.96E-03	4.18E-03
289499	4/8/2014 - 4/15/2014	Beta	2.11E-02	2.00E-03	4.09E-03
289909	4/15/2014 - 4/22/2014	Beta	1.57E-02	1.74E-03	3.55E-03
291514	4/22/2014 - 4/29/2014	Beta	2.28E-02	2.09E-03	4.27E-03
292808	4/29/2014 - 5/6/2014	Beta	2.24E-02	2.03E-03	3.99E-03
293070	5/6/2014 - 5/13/2014	Beta	3.69E-02	2.40E-03	3.85E-03
294701	5/13/2014 - 5/20/2014	Beta	2.25E-02	2.03E-03	3.66E-03
295210	5/20/2014 - 5/27/2014	Beta	1.80E-02	2.04E-03	4.67E-03
295471	5/27/2014 - 6/3/2014	Beta	1.88E-02	1.98E-03	4.18E-03
295986	6/3/2014 - 6/10/2014	Beta	9.48E-03	1.77E-03	4.86E-03
296231	6/10/2014 - 6/17/2014	Beta	1.82E-02	2.00E-03	4.42E-03
296752	6/17/2014 - 6/24/2014	Beta	1.80E-02	2.10E-03	4.94E-03
296979	6/24/2014 - 7/1/2014	Beta	1.87E-02	2.03E-03	4.52E-03
297283	4/1/2014 - 7/1/2014	Cs-134	<1.52E-03	0.00E+00	1.52E-03
		Cs-137	<1.77E-03	0.00E+00	1.77E-03
		Be-7	1.21E-01	4.22E-02	5.14E-02
		K-40	2.25E-02	2.01E-02	3.02E-02
297376	7/1/2014 - 7/8/2014	Beta	1.75E-02	3.77E-03	4.09E-03
297664	7/8/2014 - 7/15/2014	Beta	1.19E-02	3.45E-03	4.41E-03
298200	7/15/2014 - 7/22/2014	Beta	1.31E-02	3.42E-03	4.11E-03

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
350664	7/22/2014 - 7/29/2014	Beta	1.41E-02	3.70E-03	4.62E-03
350944	7/29/2014 - 8/5/2014	Beta	9.23E-03	3.21E-03	4.26E-03
351478	8/5/2014 - 8/12/2014	Beta	2.44E-02	4.34E-03	4.54E-03
353359	8/12/2014 - 8/19/2014	Beta	2.19E-02	4.10E-03	4.29E-03
353929	8/19/2014 - 8/26/2014	Beta	1.97E-02	4.05E-03	4.55E-03
354374	8/26/2014 - 9/2/2014	Beta	1.11E-02	3.25E-03	4.00E-03
354690	9/2/2014 - 9/9/2014	Beta	1.18E-02	3.30E-03	4.09E-03
355014	9/9/2014 - 9/16/2014	Beta	9.62E-03	3.30E-03	4.45E-03
355542	9/16/2014 - 9/23/2014	Beta	2.55E-02	4.34E-03	4.32E-03
356351	9/23/2014 - 9/30/2014	Beta	1.47E-02	3.58E-03	4.18E-03
355549	7/1/2014 - 9/30/2014	Cs-134	<1.24E-03	0.00E+00	1.24E-03
		Cs-137	<1.49E-03	0.00E+00	1.49E-03
		Be-7	1.07E-01	3.46E-02	3.99E-02
		K-40	1.41E-02	1.58E-02	2.49E-02
356960	9/30/2014 - 10/7/2014	Beta	2.92E-02	4.52E-03	4.17E-03
357966	10/7/2014 - 10/14/2014	Beta	2.69E-02	4.46E-03	4.42E-03
358589	10/14/2014 - 10/21/2014	Beta	1.94E-02	3.87E-03	4.05E-03
359193	10/21/2014 - 10/28/2014	Beta	2.06E-02	4.17E-03	4.62E-03
359948	10/28/2014 - 11/4/2014	Beta	2.77E-02	4.62E-03	4.68E-03
360639	11/4/2014 - 11/11/2014	Beta	2.75E-02	4.49E-03	4.29E-03
361507	11/11/2014 - 11/18/2014	Beta	2.16E-02	4.38E-03	5.00E-03
361892	11/18/2014 - 11/25/2014	Beta	2.79E-02	4.48E-03	4.04E-03
362701	11/25/2014 - 12/2/2014	Beta	1.45E-02	3.70E-03	4.42E-03
363450	12/2/2014 - 12/9/2014	Beta	2.21E-02	4.41E-03	4.92E-03
363902	12/9/2014 - 12/16/2014	Beta	2.54E-02	4.63E-03	4.89E-03
364410	12/16/2014 - 12/23/2014	Beta	2.45E-02	4.46E-03	4.49E-03

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

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

Sample Point 203 [INDICATOR - SSW @ 2 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
364875	12/23/2014 - 12/30/2014	Beta	1.29E-02	3.56E-03	4.45E-03
364417	9/30/2014 - 12/30/2014	Cs-134	<1.66E-03	0.00E+00	1.66E-03
		Cs-137	<8.07E-04	0.00E+00	8.07E-04
		Be-7	9.42E-02	2.86E-02	2.83E-02
		K-40	<2.87E-02	0.00E+00	2.87E-02

Sample Point 204 [CONTROL - NNE @ 22.4 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
280682	12/31/2013 - 1/7/2014	Beta	1.85E-02	2.05E-03	4.58E-03
280855	1/7/2014 - 1/14/2014	Beta	1.57E-02	1.87E-03	4.13E-03
281214	1/14/2014 - 1/21/2014	Beta	1.59E-02	1.88E-03	4.24E-03
281535	1/21/2014 - 1/28/2014	Beta	2.34E-02	2.27E-03	4.81E-03
282158	1/28/2014 - 2/4/2014	Beta	2.06E-02	2.10E-03	4.40E-03
282970	2/4/2014 - 2/11/2014	Beta	1.96E-02	2.15E-03	4.91E-03
283417	2/11/2014 - 2/18/2014	Beta	2.18E-02	2.16E-03	4.52E-03
284584	2/18/2014 - 2/25/2014	Beta	1.78E-02	2.03E-03	4.69E-03
285145	2/25/2014 - 3/4/2014	Beta	2.34E-02	2.31E-03	5.10E-03
285750	3/4/2014 - 3/11/2014	Beta	1.57E-02	2.00E-03	4.77E-03
286254	3/11/2014 - 3/18/2014	Beta	1.74E-02	2.00E-03	4.44E-03
287139	3/18/2014 - 3/25/2014	Beta	1.42E-02	1.77E-03	3.86E-03
288390	3/25/2014 - 4/1/2014	Beta	1.46E-02	1.89E-03	4.46E-03
289020	12/31/2013 - 4/1/2014	Cs-134	<5.56E-04	0.00E+00	5.56E-04
		Cs-137	<6.07E-04	0.00E+00	6.07E-04
		Be-7	1.21E-01	7.78E-03	9.44E-03
		K-40	<1.60E-02	0.00E+00	1.60E-02
289114	4/1/2014 - 4/8/2014	Beta	2.00E-02	2.10E-03	4.48E-03
289500	4/8/2014 - 4/15/2014	Beta	1.64E-02	1.94E-03	4.41E-03
289910	4/15/2014 - 4/22/2014	Beta	1.84E-02	1.90E-03	3.74E-03
291515	4/22/2014 - 4/29/2014	Beta	1.79E-02	2.03E-03	4.58E-03
292809	4/29/2014 - 5/6/2014	Beta	1.51E-02	1.89E-03	4.33E-03

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 204 [CONTROL - NNE @ 22.4 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
293071	5/6/2014 - 5/13/2014	Beta	2.73E-02	2.27E-03	4.23E-03
294702	5/13/2014 - 5/20/2014	Beta	2.58E-02	2.14E-03	3.67E-03
295211	5/20/2014 - 5/27/2014	Beta	2.27E-02	2.20E-03	4.73E-03
295472	5/27/2014 - 6/3/2014	Beta	1.97E-02	2.02E-03	4.18E-03
295987	6/3/2014 - 6/10/2014	Beta	1.46E-02	1.97E-03	4.90E-03
296232	6/10/2014 - 6/17/2014	Beta	2.07E-02	2.10E-03	4.48E-03
296753	6/17/2014 - 6/24/2014	Beta	1.88E-02	2.15E-03	5.00E-03
296980	6/24/2014 - 7/1/2014	Beta	1.59E-02	1.96E-03	4.63E-03
297284	4/1/2014 - 7/1/2014	Cs-134	<1.21E-03	0.00E+00	1.21E-03
		Cs-137	<2.08E-03	0.00E+00	2.08E-03
		Be-7	1.68E-01	5.55E-02	5.26E-02
		K-40	3.74E-02	2.83E-02	3.67E-02
297377	7/1/2014 - 7/8/2014	Beta	1.34E-02	3.49E-03	4.14E-03
297665	7/8/2014 - 7/15/2014	Beta	1.44E-02	3.69E-03	4.49E-03
298201	7/15/2014 - 7/22/2014	Beta	1.34E-02	3.50E-03	4.18E-03
350665	7/22/2014 - 7/29/2014	Beta	1.51E-02	3.85E-03	4.74E-03
350945	7/29/2014 - 8/5/2014	Beta	8.59E-03	3.19E-03	4.34E-03
351479	8/5/2014 - 8/12/2014	Beta	2.00E-02	4.15E-03	4.65E-03
353360	8/12/2014 - 8/19/2014	Beta	2.03E-02	4.07E-03	4.40E-03
353930	8/19/2014 - 8/26/2014	Beta	1.54E-02	3.82E-03	4.67E-03
354375	8/26/2014 - 9/2/2014	Beta	1.30E-02	3.46E-03	4.15E-03
354691	9/2/2014 - 9/9/2014	Beta	1.13E-02	3.39E-03	4.30E-03
355015	9/9/2014 - 9/16/2014	Beta	7.55E-03	3.24E-03	4.60E-03
355543	9/16/2014 - 9/23/2014	Beta	2.47E-02	4.37E-03	4.46E-03
356352	9/23/2014 - 9/30/2014	Beta	1.14E-02	3.40E-03	4.30E-03
355550	7/1/2014 - 9/30/2014	Cs-134	<1.80E-03	0.00E+00	1.80E-03
		Cs-137	<1.62E-03	0.00E+00	1.62E-03

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

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

Sample Point 204 [CONTROL - NNE @ 22.4 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
355550	7/1/2014 - 9/30/2014	Be-7	9.91E-02	3.27E-02	3.66E-02
		K-40	1.53E-02	1.62E-02	2.49E-02
356961	9/30/2014 - 10/7/2014	Beta	3.07E-02	4.66E-03	4.26E-03
357967	10/7/2014 - 10/14/2014	Beta	2.07E-02	4.17E-03	4.56E-03
358590	10/14/2014 - 10/21/2014	Beta	2.39E-02	4.96E-03	5.31E-03
359194	10/21/2014 - 10/28/2014	Beta	2.39E-02	6.12E-03	7.53E-03
359949	10/28/2014 - 11/4/2014	Beta	2.18E-02	4.30E-03	4.74E-03
360640	11/4/2014 - 11/11/2014	Beta	2.44E-02	4.36E-03	4.37E-03
361508	11/11/2014 - 11/18/2014	Beta	2.03E-02	4.33E-03	5.05E-03
362702	11/25/2014 - 12/2/2014	Beta	1.36E-02	3.74E-03	4.62E-03
363451	12/2/2014 - 12/9/2014	Beta	1.81E-02	4.02E-03	4.70E-03
363903	12/9/2014 - 12/16/2014	Beta	2.31E-02	4.31E-03	4.61E-03
364411	12/16/2014 - 12/23/2014	Beta	2.39E-02	4.21E-03	4.17E-03
364876	12/23/2014 - 12/30/2014	Beta	1.66E-02	3.82E-03	4.45E-03
364418	9/30/2014 - 12/30/2014	Cs-134	<2.11E-03	0.00E+00	2.11E-03
		Cs-137	<1.92E-03	0.00E+00	1.92E-03
		Be-7	1.15E-01	3.37E-02	3.20E-02
		K-40	3.58E-02	2.03E-02	2.15E-02

Sample Point 205 [INDICATOR - SSE @ 0.6 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
280683	12/31/2013 - 1/7/2014	Beta	1.83E-02	2.03E-03	4.59E-03
280856	1/7/2014 - 1/14/2014	Beta	1.76E-02	1.93E-03	4.10E-03
281215	1/14/2014 - 1/21/2014	Beta	1.55E-02	1.85E-03	4.18E-03
281536	1/21/2014 - 1/28/2014	Beta	1.94E-02	2.14E-03	4.82E-03
282159	1/28/2014 - 2/4/2014	Beta	1.87E-02	2.02E-03	4.35E-03
282971	2/4/2014 - 2/11/2014	Beta	1.61E-02	2.03E-03	4.87E-03
283418	2/11/2014 - 2/18/2014	Beta	2.32E-02	2.21E-03	4.53E-03
284585	2/18/2014 - 2/25/2014	Beta	1.82E-02	2.04E-03	4.65E-03

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
285146	2/25/2014 - 3/4/2014	Beta	2.83E-02	2.42E-03	5.02E-03
285751	3/4/2014 - 3/11/2014	Beta	1.78E-02	2.10E-03	4.87E-03
286255	3/11/2014 - 3/18/2014	Beta	1.43E-02	1.88E-03	4.43E-03
287140	3/18/2014 - 3/25/2014	Beta	1.45E-02	1.76E-03	3.80E-03
288391	3/25/2014 - 4/1/2014	Beta	1.65E-02	1.96E-03	4.46E-03
289021	12/31/2013 - 4/1/2014	Cs-134	<6.88E-04	0.00E+00	6.88E-04
		Cs-137	<6.44E-04	0.00E+00	6.44E-04
		Be-7	1.26E-01	8.23E-03	8.83E-03
		K-40	2.48E-03	3.58E-03	7.47E-03
289115	4/1/2014 - 4/8/2014	Beta	1.95E-02	2.04E-03	4.37E-03
289501	4/8/2014 - 4/15/2014	Beta	1.83E-02	1.98E-03	4.30E-03
289911	4/15/2014 - 4/22/2014	Beta	1.48E-02	1.78E-03	3.74E-03
291516	4/22/2014 - 4/29/2014	Beta	1.91E-02	2.06E-03	4.51E-03
292810	4/29/2014 - 5/6/2014	Beta	2.28E-02	2.12E-03	4.23E-03
293072	5/6/2014 - 5/13/2014	Beta	3.07E-02	2.33E-03	4.14E-03
294703	5/13/2014 - 5/20/2014	Beta	2.30E-02	2.03E-03	3.63E-03
295212	5/20/2014 - 5/27/2014	Beta	1.83E-02	2.03E-03	4.63E-03
295473	5/27/2014 - 6/3/2014	Beta	1.49E-02	1.85E-03	4.19E-03
295988	6/3/2014 - 6/10/2014	Beta	1.26E-02	1.86E-03	4.75E-03
296233	6/10/2014 - 6/17/2014	Beta	1.87E-02	2.00E-03	4.37E-03
296754	6/17/2014 - 6/24/2014	Beta	1.55E-02	2.01E-03	4.89E-03
296981	6/24/2014 - 7/1/2014	Beta	1.75E-02	1.98E-03	4.49E-03
297285	4/1/2014 - 7/1/2014	Cs-134	<1.36E-03	0.00E+00	1.36E-03
		Cs-137	<1.68E-03	0.00E+00	1.68E-03
		Be-7	1.20E-01	3.65E-02	3.63E-02
		K-40	<2.77E-02	0.00E+00	2.77E-02
297378	7/1/2014 - 7/8/2014	Beta	1.52E-02	3.60E-03	4.06E-03
297666	7/8/2014 - 7/15/2014	Beta	1.17E-02	3.43E-03	4.38E-03

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

Sample Point 205 [INDICATOR - SSE @ 0.6 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
298202	7/15/2014 - 7/22/2014	Beta	1.23E-02	3.36E-03	4.11E-03
350666	7/22/2014 - 7/29/2014	Beta	1.57E-02	3.81E-03	4.61E-03
350946	7/29/2014 - 8/5/2014	Beta	9.91E-03	3.25E-03	4.27E-03
351480	8/5/2014 - 8/12/2014	Beta	2.27E-02	4.23E-03	4.52E-03
353361	8/12/2014 - 8/19/2014	Beta	2.20E-02	4.10E-03	4.29E-03
353931	8/19/2014 - 8/26/2014	Beta	1.78E-02	3.92E-03	4.55E-03
354376	8/26/2014 - 9/2/2014	Beta	1.17E-02	3.31E-03	4.02E-03
354692	9/2/2014 - 9/9/2014	Beta	1.03E-02	3.20E-03	4.11E-03
355016	9/9/2014 - 9/16/2014	Beta	9.43E-03	3.30E-03	4.47E-03
355544	9/16/2014 - 9/23/2014	Beta	2.25E-02	4.14E-03	4.31E-03
356354	9/23/2014 - 9/30/2014	Beta	1.32E-02	3.47E-03	4.18E-03
355551	7/1/2014 - 9/30/2014	Cs-134	<1.75E-03	0.00E+00	1.75E-03
		Cs-137	<1.58E-03	0.00E+00	1.58E-03
		Be-7	9.37E-02	3.13E-02	3.48E-02
		K-40	2.01E-02	1.23E-02	4.96E-03
356962	9/30/2014 - 10/7/2014	Beta	2.38E-02	4.19E-03	4.14E-03
357968	10/7/2014 - 10/14/2014	Beta	1.93E-02	3.97E-03	4.40E-03
358591	10/14/2014 - 10/21/2014	Beta	1.53E-02	3.58E-03	4.03E-03
359195	10/21/2014 - 10/28/2014	Beta	1.71E-02	3.92E-03	4.59E-03
359950	10/28/2014 - 11/4/2014	Beta	2.40E-02	4.37E-03	4.65E-03
360641	11/4/2014 - 11/11/2014	Beta	2.25E-02	4.16E-03	4.26E-03
361509	11/11/2014 - 11/18/2014	Beta	1.96E-02	4.23E-03	4.96E-03
361894	11/18/2014 - 11/25/2014	Beta	2.77E-02	4.43E-03	3.98E-03
362703	11/25/2014 - 12/2/2014	Beta	1.51E-02	3.68E-03	4.34E-03
363452	12/2/2014 - 12/9/2014	Beta	1.98E-02	4.21E-03	4.82E-03
363904	12/9/2014 - 12/16/2014	Beta	2.47E-02	4.47E-03	4.72E-03

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

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

Sample Point 205 [INDICATOR - SSE @ 0.6 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
364412	12/16/2014 - 12/23/2014	Beta	2.29E-02	4.17E-03	4.23E-03
364877	12/23/2014 - 12/30/2014	Beta	1.21E-02	3.52E-03	4.48E-03
364419	9/30/2014 - 12/30/2014	Cs-134	<1.64E-03	0.00E+00	1.64E-03
		Cs-137	<1.42E-03	0.00E+00	1.42E-03
		Be-7	9.93E-02	3.06E-02	3.27E-02
		K-40	1.67E-02	1.29E-02	1.55E-02

Sample Point 206 [CONTROL - NW @ 11.3 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
280684	12/31/2013 - 1/7/2014	Beta	1.69E-02	1.98E-03	4.57E-03
280857	1/7/2014 - 1/14/2014	Beta	1.59E-02	1.88E-03	4.13E-03
281216	1/14/2014 - 1/21/2014	Beta	1.27E-02	1.75E-03	4.19E-03
281537	1/21/2014 - 1/28/2014	Beta	2.15E-02	2.21E-03	4.78E-03
282160	1/28/2014 - 2/4/2014	Beta	1.81E-02	2.01E-03	4.38E-03
282972	2/4/2014 - 2/11/2014	Beta	1.76E-02	2.07E-03	4.85E-03
283419	2/11/2014 - 2/18/2014	Beta	2.52E-02	2.26E-03	4.50E-03
284586	2/18/2014 - 2/25/2014	Beta	1.79E-02	2.01E-03	4.60E-03
285147	2/25/2014 - 3/4/2014	Beta	2.42E-02	2.34E-03	5.15E-03
285752	3/4/2014 - 3/11/2014	Beta	1.61E-02	1.99E-03	4.72E-03
286256	3/11/2014 - 3/18/2014	Beta	1.86E-02	2.01E-03	4.34E-03
287141	3/18/2014 - 3/25/2014	Beta	1.23E-02	1.67E-03	3.78E-03
288392	3/25/2014 - 4/1/2014	Beta	1.52E-02	1.89E-03	4.37E-03
289022	12/31/2013 - 4/1/2014	Cs-134	<6.27E-04	0.00E+00	6.27E-04
		Cs-137	<5.98E-04	0.00E+00	5.98E-04
		Be-7	1.26E-01	9.46E-03	9.87E-03
		K-40	<1.36E-02	0.00E+00	1.36E-02
289116	4/1/2014 - 4/8/2014	Beta	1.40E-02	1.82E-03	4.29E-03
289502	4/8/2014 - 4/15/2014	Beta	2.13E-02	2.06E-03	4.24E-03
289912	4/15/2014 - 4/22/2014	Beta	1.56E-02	1.77E-03	3.64E-03
291517	4/22/2014 - 4/29/2014	Beta	2.07E-02	2.10E-03	4.47E-03

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

Sample Point 206 [CONTROL - NW @ 11.3 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
292811	4/29/2014 - 5/6/2014	Beta	1.94E-02	2.01E-03	4.22E-03
293073	5/6/2014 - 5/13/2014	Beta	3.49E-02	2.45E-03	4.14E-03
294704	5/13/2014 - 5/20/2014	Beta	2.20E-02	2.00E-03	3.60E-03
295213	5/20/2014 - 5/27/2014	Beta	1.68E-02	1.99E-03	4.64E-03
295474	5/27/2014 - 6/3/2014	Beta	2.05E-02	2.02E-03	4.10E-03
295989	6/3/2014 - 6/10/2014	Beta	1.16E-02	1.84E-03	4.82E-03
296234	6/10/2014 - 6/17/2014	Beta	2.02E-02	2.05E-03	4.40E-03
296755	6/17/2014 - 6/24/2014	Beta	2.01E-02	2.16E-03	4.96E-03
296982	6/24/2014 - 7/1/2014	Beta	1.85E-02	2.03E-03	4.56E-03
297286	4/1/2014 - 7/1/2014	Cs-134	<9.25E-04	0.00E+00	9.25E-04
		Cs-137	<9.92E-04	0.00E+00	9.92E-04
		Be-7	1.54E-01	5.56E-02	2.16E-02
		K-40	6.44E-03	8.46E-03	1.35E-02
297379	7/1/2014 - 7/8/2014	Beta	1.38E-02	3.77E-03	4.54E-03
297667	7/8/2014 - 7/15/2014	Beta	1.42E-02	3.56E-03	4.29E-03
298203	7/15/2014 - 7/22/2014	Beta	1.42E-02	3.42E-03	3.97E-03
350667	7/22/2014 - 7/29/2014	Beta	1.38E-02	3.61E-03	4.49E-03
350947	7/29/2014 - 8/5/2014	Beta	1.36E-02	3.45E-03	4.11E-03
351481	8/5/2014 - 8/12/2014	Beta	2.24E-02	4.12E-03	4.38E-03
353362	8/12/2014 - 8/19/2014	Beta	2.02E-02	3.90E-03	4.16E-03
353932	8/19/2014 - 8/26/2014	Beta	1.48E-02	3.65E-03	4.41E-03
354377	8/26/2014 - 9/2/2014	Beta	1.30E-02	3.29E-03	3.86E-03
354693	9/2/2014 - 9/9/2014	Beta	1.00E-02	3.15E-03	4.01E-03
355017	9/9/2014 - 9/16/2014	Beta	9.20E-03	3.20E-03	4.29E-03
355545	9/16/2014 - 9/23/2014	Beta	2.64E-02	4.29E-03	4.18E-03
356356	9/23/2014 - 9/30/2014	Beta	1.40E-02	3.46E-03	4.06E-03

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

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

Sample Point 206 [CONTROL - NW @ 11.3 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
355552	7/1/2014 - 9/30/2014	Cs-134	<5.80E-03	0.00E+00	5.80E-03
		Cs-137	<3.79E-03	0.00E+00	3.79E-03
		Be-7	<1.31E-01	0.00E+00	1.31E-01
		K-40	<8.22E-02	0.00E+00	8.22E-02
356963	9/30/2014 - 10/7/2014	Beta	2.40E-02	4.11E-03	4.00E-03
357969	10/7/2014 - 10/14/2014	Beta	1.79E-02	3.81E-03	4.28E-03
358592	10/14/2014 - 10/21/2014	Beta	1.55E-02	3.53E-03	3.94E-03
359196	10/21/2014 - 10/28/2014	Beta	1.45E-02	3.66E-03	4.46E-03
359951	10/28/2014 - 11/4/2014	Beta	2.66E-02	4.44E-03	4.51E-03
360642	11/4/2014 - 11/11/2014	Beta	2.44E-02	4.20E-03	4.14E-03
361510	11/11/2014 - 11/18/2014	Beta	2.02E-02	4.16E-03	4.78E-03
361895	11/18/2014 - 11/25/2014	Beta	2.25E-02	4.00E-03	3.81E-03
362704	11/25/2014 - 12/2/2014	Beta	1.80E-02	3.88E-03	4.34E-03
363453	12/2/2014 - 12/9/2014	Beta	2.20E-02	4.30E-03	4.75E-03
363905	12/9/2014 - 12/16/2014	Beta	2.11E-02	4.23E-03	4.66E-03
364413	12/16/2014 - 12/23/2014	Beta	2.43E-02	4.27E-03	4.23E-03
364878	12/23/2014 - 12/30/2014	Beta	1.65E-02	3.83E-03	4.48E-03
364420	9/30/2014 - 12/30/2014	Cs-134	<9.82E-04	0.00E+00	9.82E-04
		Cs-137	<1.76E-03	0.00E+00	1.76E-03
		Be-7	8.61E-02	2.61E-02	2.41E-02
		K-40	1.90E-02	1.51E-02	2.01E-02

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

Sample Point 200 [INDICATOR - WSW @ 1 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
280651	12/31/2013 - 1/7/2014	I-131	<3.78E-02	0.00E+00	3.78E-02
		Cs-134	<4.12E-02	0.00E+00	4.12E-02
		Cs-137	<4.23E-02	0.00E+00	4.23E-02
		Be-7	<3.43E-01	0.00E+00	3.43E-01
		K-40	1.00E+00	2.43E-01	7.27E-01
280824	1/7/2014 - 1/14/2014	I-131	<2.86E-02	0.00E+00	2.86E-02
		Cs-134	<2.26E-02	0.00E+00	2.26E-02
		Cs-137	<1.87E-02	0.00E+00	1.87E-02
		Be-7	<1.52E-01	0.00E+00	1.52E-01
		K-40	8.85E-01	1.48E-01	1.83E-01
281183	1/14/2014 - 1/21/2014	I-131	<4.36E-02	0.00E+00	4.36E-02
		Cs-134	<3.32E-02	0.00E+00	3.32E-02

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 200 [INDICATOR - WSW @ 1 miles]

Sample ID: 281183 **Sample Dates: 1/14/2014 - 1/21/2014**

Nuclide	Activity	Sigma Error [1]	LLD
Cs-137	<3.93E-02	0.00E+00	3.93E-02
Be-7	<3.38E-01	0.00E+00	3.38E-01
K-40	8.92E-01	2.30E-01	5.32E-01

Sample ID: 281504 **Sample Dates: 1/21/2014 - 1/28/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.75E-02	0.00E+00	5.75E-02
Cs-134	<3.38E-02	0.00E+00	3.38E-02
Cs-137	<3.37E-02	0.00E+00	3.37E-02
Be-7	<3.67E-01	0.00E+00	3.67E-01
K-40	7.24E-01	2.09E-01	5.74E-01

Sample ID: 282127 **Sample Dates: 1/28/2014 - 2/4/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.06E-02	0.00E+00	4.06E-02
Cs-134	<2.98E-02	0.00E+00	2.98E-02
Cs-137	<4.29E-02	0.00E+00	4.29E-02
Be-7	<3.23E-01	0.00E+00	3.23E-01
K-40	9.52E-01	2.38E-01	5.28E-01

Sample ID: 282939 **Sample Dates: 2/4/2014 - 2/11/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<6.68E-02	0.00E+00	6.68E-02
Cs-134	<4.10E-02	0.00E+00	4.10E-02
Cs-137	<4.86E-02	0.00E+00	4.86E-02
Be-7	<3.25E-01	0.00E+00	3.25E-01
K-40	<1.08E+00	0.00E+00	1.08E+00

Sample ID: 283386 **Sample Dates: 2/11/2014 - 2/18/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.96E-02	0.00E+00	2.96E-02
Cs-134	<2.85E-02	0.00E+00	2.85E-02
Cs-137	<4.70E-02	0.00E+00	4.70E-02
Be-7	<1.62E-01	0.00E+00	1.62E-01
K-40	9.65E-01	2.21E-01	1.37E-01

Sample ID: 284553 **Sample Dates: 2/18/2014 - 2/25/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.25E-02	0.00E+00	4.25E-02
Cs-134	<4.34E-02	0.00E+00	4.34E-02
Cs-137	<4.85E-02	0.00E+00	4.85E-02
Be-7	<3.49E-01	0.00E+00	3.49E-01
K-40	<1.28E+00	0.00E+00	1.28E+00

Sample ID: 285114 **Sample Dates: 2/25/2014 - 3/4/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.24E-02	0.00E+00	4.24E-02
Cs-134	<4.35E-02	0.00E+00	4.35E-02
Cs-137	<4.31E-02	0.00E+00	4.31E-02
Be-7	<2.75E-01	0.00E+00	2.75E-01
K-40	<1.15E+00	0.00E+00	1.15E+00

Sample ID: 285719 **Sample Dates: 3/4/2014 - 3/11/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.17E-02	0.00E+00	3.17E-02
Cs-134	<1.82E-02	0.00E+00	1.82E-02
Cs-137	<2.25E-02	0.00E+00	2.25E-02
Be-7	<1.75E-01	0.00E+00	1.75E-01
K-40	9.42E-01	1.96E-01	4.76E-01

Sample ID: 286223 **Sample Dates: 3/11/2014 - 3/18/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.43E-02	0.00E+00	3.43E-02
Cs-134	<2.41E-02	0.00E+00	2.41E-02
Cs-137	<4.29E-02	0.00E+00	4.29E-02
Be-7	<2.74E-01	0.00E+00	2.74E-01
K-40	6.97E-01	2.52E-01	3.91E-01

Sample ID: 287108 **Sample Dates: 3/18/2014 - 3/25/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.94E-02	0.00E+00	3.94E-02
Cs-134	<1.80E-02	0.00E+00	1.80E-02
Cs-137	<1.80E-02	0.00E+00	1.80E-02
Be-7	<1.33E-01	0.00E+00	1.33E-01
K-40	7.24E-01	2.09E-01	3.49E-01

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 200 [INDICATOR - WSW @ 1 miles]

Sample ID: 288359 **Sample Dates: 3/25/2014 - 4/1/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.76E-02	0.00E+00	4.76E-02
Cs-134	<4.24E-02	0.00E+00	4.24E-02
Cs-137	<3.89E-02	0.00E+00	3.89E-02
Be-7	<2.34E-01	0.00E+00	2.34E-01
K-40	1.26E+00	2.75E-01	1.62E-01

Sample ID: 289083 **Sample Dates: 4/1/2014 - 4/8/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.18E-02	0.00E+00	4.18E-02
Cs-134	<3.86E-02	0.00E+00	3.86E-02
Cs-137	<2.52E-02	0.00E+00	2.52E-02
Be-7	<3.00E-01	0.00E+00	3.00E-01
K-40	7.06E-01	4.29E-01	6.74E-01

Sample ID: 289469 **Sample Dates: 4/8/2014 - 4/15/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.29E-02	0.00E+00	4.29E-02
Cs-134	<3.42E-02	0.00E+00	3.42E-02
Cs-137	<4.76E-02	0.00E+00	4.76E-02
Be-7	<2.91E-01	0.00E+00	2.91E-01
K-40	1.22E+00	2.67E-01	4.40E-01

Sample ID: 289879 **Sample Dates: 4/15/2014 - 4/22/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.58E-02	0.00E+00	3.58E-02
Cs-134	<3.30E-02	0.00E+00	3.30E-02
Cs-137	<3.70E-02	0.00E+00	3.70E-02
Be-7	<2.81E-01	0.00E+00	2.81E-01
K-40	<1.32E+00	0.00E+00	1.32E+00

Sample ID: 291484 **Sample Dates: 4/22/2014 - 4/29/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.79E-02	0.00E+00	3.79E-02
Cs-134	<2.69E-02	0.00E+00	2.69E-02
Cs-137	<3.62E-02	0.00E+00	3.62E-02
Be-7	<1.62E-01	0.00E+00	1.62E-01
K-40	8.51E-01	2.52E-01	4.55E-01

Sample ID: 292778 **Sample Dates: 4/29/2014 - 5/6/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.10E-02	0.00E+00	3.10E-02
Cs-134	<2.23E-02	0.00E+00	2.23E-02
Cs-137	<2.28E-02	0.00E+00	2.28E-02
Be-7	<1.37E-01	0.00E+00	1.37E-01
K-40	7.88E-01	1.77E-01	2.12E-01

Sample ID: 293040 **Sample Dates: 5/6/2014 - 5/13/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.46E-02	0.00E+00	3.46E-02
Cs-134	<2.03E-02	0.00E+00	2.03E-02
Cs-137	<4.64E-02	0.00E+00	4.64E-02
Be-7	<2.41E-01	0.00E+00	2.41E-01
K-40	9.13E-01	2.62E-01	5.22E-01

Sample ID: 294671 **Sample Dates: 5/13/2014 - 5/20/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.82E-02	0.00E+00	3.82E-02
Cs-134	<4.03E-02	0.00E+00	4.03E-02
Cs-137	<3.98E-02	0.00E+00	3.98E-02
Be-7	<2.68E-01	0.00E+00	2.68E-01
K-40	6.00E-01	2.53E-01	5.50E-01

Sample ID: 295180 **Sample Dates: 5/20/2014 - 5/27/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.05E-02	0.00E+00	5.05E-02
Cs-134	<3.16E-02	0.00E+00	3.16E-02
Cs-137	<4.08E-02	0.00E+00	4.08E-02
Be-7	<3.04E-01	0.00E+00	3.04E-01
K-40	<1.09E+00	0.00E+00	1.09E+00

Sample ID: 295441 **Sample Dates: 5/27/2014 - 6/3/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.31E-02	0.00E+00	3.31E-02
Cs-134	<3.97E-02	0.00E+00	3.97E-02
Cs-137	<2.82E-02	0.00E+00	2.82E-02
Be-7	<2.54E-01	0.00E+00	2.54E-01

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

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

Sample Point 200 [INDICATOR - WSW @ 1 miles]

Sample ID:	295441	Sample Dates: 5/27/2014 - 6/3/2014	Nuclide	Activity	Sigma Error [1]	LLD
			K-40	1.32E+00	2.76E-01	1.56E-01
Sample ID:	295956	Sample Dates: 6/3/2014 - 6/10/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.27E-02	0.00E+00	3.27E-02
			Cs-134	<2.17E-02	0.00E+00	2.17E-02
			Cs-137	<2.85E-02	0.00E+00	2.85E-02
			Be-7	<1.81E-01	0.00E+00	1.81E-01
			K-40	7.07E-01	2.20E-01	3.33E-01
Sample ID:	296201	Sample Dates: 6/10/2014 - 6/17/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.46E-02	0.00E+00	4.46E-02
			Cs-134	<3.26E-02	0.00E+00	3.26E-02
			Cs-137	<4.01E-02	0.00E+00	4.01E-02
			Be-7	<2.66E-01	0.00E+00	2.66E-01
			K-40	1.13E+00	2.53E-01	4.18E-01
Sample ID:	296722	Sample Dates: 6/17/2014 - 6/24/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<2.86E-02	0.00E+00	2.86E-02
			Cs-134	<1.41E-02	0.00E+00	1.41E-02
			Cs-137	<6.23E-03	0.00E+00	6.23E-03
			Be-7	<1.34E-01	0.00E+00	1.34E-01
			K-40	<9.76E-01	0.00E+00	9.76E-01
Sample ID:	296949	Sample Dates: 6/24/2014 - 7/1/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.04E-02	0.00E+00	4.04E-02
			Cs-134	<1.96E-02	0.00E+00	1.96E-02
			Cs-137	<2.99E-02	0.00E+00	2.99E-02
			Be-7	<2.28E-01	0.00E+00	2.28E-01
			K-40	1.05E+00	2.53E-01	3.56E-01
Sample ID:	297346	Sample Dates: 7/1/2014 - 7/8/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.19E-02	0.00E+00	3.19E-02
			Cs-134	<2.23E-02	0.00E+00	2.23E-02
			Cs-137	<2.46E-02	0.00E+00	2.46E-02
			Be-7	<1.23E-01	0.00E+00	1.23E-01
			K-40	9.49E-01	2.12E-01	1.28E-01
Sample ID:	297634	Sample Dates: 7/8/2014 - 7/15/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<5.20E-02	0.00E+00	5.20E-02
			Cs-134	<1.60E-02	0.00E+00	1.60E-02
			Cs-137	<2.09E-02	0.00E+00	2.09E-02
			Be-7	<1.86E-01	0.00E+00	1.86E-01
			K-40	1.00E+00	3.63E-01	3.70E-01
Sample ID:	298170	Sample Dates: 7/15/2014 - 7/22/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.90E-02	0.00E+00	4.90E-02
			Cs-134	<2.01E-02	0.00E+00	2.01E-02
			Cs-137	<3.23E-02	0.00E+00	3.23E-02
			Be-7	<2.91E-01	0.00E+00	2.91E-01
			K-40	6.56E-01	3.94E-01	4.24E-01
Sample ID:	350668	Sample Dates: 7/22/2014 - 7/29/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<5.50E-02	0.00E+00	5.50E-02
			Cs-134	<2.23E-02	0.00E+00	2.23E-02
			Cs-137	<3.46E-02	0.00E+00	3.46E-02
			Be-7	<1.66E-01	0.00E+00	1.66E-01
			K-40	6.20E-01	3.86E-01	4.74E-01
Sample ID:	350948	Sample Dates: 7/29/2014 - 8/5/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.69E-02	0.00E+00	3.69E-02
			Cs-134	<2.07E-02	0.00E+00	2.07E-02
			Cs-137	<3.79E-02	0.00E+00	3.79E-02
			Be-7	<2.05E-01	0.00E+00	2.05E-01
			K-40	<1.08E+00	0.00E+00	1.08E+00
Sample ID:	351483	Sample Dates: 8/5/2014 - 8/12/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<2.99E-02	0.00E+00	2.99E-02
			Cs-134	<3.02E-02	0.00E+00	3.02E-02

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 200 [INDICATOR - WSW @ 1 miles]

Sample ID: 351483 **Sample Dates: 8/5/2014 - 8/12/2014**

Nuclide	Activity	Sigma Error [1]	LLD
Cs-137	<3.77E-02	0.00E+00	3.77E-02
Be-7	<2.90E-01	0.00E+00	2.90E-01
K-40	8.26E-01	5.52E-01	6.94E-01

Sample ID: 353363 **Sample Dates: 8/12/2014 - 8/19/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.04E-02	0.00E+00	3.04E-02
Cs-134	<1.13E-02	0.00E+00	1.13E-02
Cs-137	<2.57E-02	0.00E+00	2.57E-02
Be-7	<2.66E-01	0.00E+00	2.66E-01
K-40	1.00E+00	4.94E-01	1.60E-01

Sample ID: 353933 **Sample Dates: 8/19/2014 - 8/26/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.51E-02	0.00E+00	2.51E-02
Cs-134	<2.05E-02	0.00E+00	2.05E-02
Cs-137	<2.13E-02	0.00E+00	2.13E-02
Be-7	<1.09E-01	0.00E+00	1.09E-01
K-40	<1.82E-01	0.00E+00	1.82E-01

Sample ID: 354378 **Sample Dates: 8/26/2014 - 9/2/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.63E-02	0.00E+00	4.63E-02
Cs-134	<1.87E-02	0.00E+00	1.87E-02
Cs-137	<1.54E-02	0.00E+00	1.54E-02
Be-7	<1.33E-01	0.00E+00	1.33E-01
K-40	1.42E+00	3.21E-01	1.60E-01

Sample ID: 354694 **Sample Dates: 9/2/2014 - 9/9/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.30E-02	0.00E+00	4.30E-02
Cs-134	<3.83E-02	0.00E+00	3.83E-02
Cs-137	<3.71E-02	0.00E+00	3.71E-02
Be-7	<2.84E-01	0.00E+00	2.84E-01
K-40	<1.05E+00	0.00E+00	1.05E+00

Sample ID: 355018 **Sample Dates: 9/9/2014 - 9/16/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.56E-02	0.00E+00	5.56E-02
Cs-134	<3.03E-02	0.00E+00	3.03E-02
Cs-137	<3.77E-02	0.00E+00	3.77E-02
Be-7	<3.29E-01	0.00E+00	3.29E-01
K-40	7.94E-01	4.99E-01	5.52E-01

Sample ID: 355553 **Sample Dates: 9/16/2014 - 9/23/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.72E-02	0.00E+00	4.72E-02
Cs-134	<2.65E-02	0.00E+00	2.65E-02
Cs-137	<3.31E-02	0.00E+00	3.31E-02
Be-7	<2.08E-01	0.00E+00	2.08E-01
K-40	1.18E+00	6.48E-01	7.51E-01

Sample ID: 356357 **Sample Dates: 9/23/2014 - 9/30/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.38E-02	0.00E+00	4.38E-02
Cs-134	<4.00E-02	0.00E+00	4.00E-02
Cs-137	<9.56E-03	0.00E+00	9.56E-03
Be-7	<6.07E-02	0.00E+00	6.07E-02
K-40	<9.47E-01	0.00E+00	9.47E-01

Sample ID: 356964 **Sample Dates: 9/30/2014 - 10/7/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.55E-02	0.00E+00	3.55E-02
Cs-134	<3.77E-02	0.00E+00	3.77E-02
Cs-137	<4.71E-02	0.00E+00	4.71E-02
Be-7	<2.11E-01	0.00E+00	2.11E-01
K-40	1.07E+00	5.63E-01	5.33E-01

Sample ID: 357970 **Sample Dates: 10/7/2014 - 10/14/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<8.94E-03	0.00E+00	8.94E-03
Cs-134	<2.63E-02	0.00E+00	2.63E-02
Cs-137	<4.24E-02	0.00E+00	4.24E-02
Be-7	<3.16E-01	0.00E+00	3.16E-01
K-40	1.01E+00	4.98E-01	1.61E-01

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 200 [INDICATOR - WSW @ 1 miles]

Sample ID: 358593 **Sample Dates: 10/14/2014 - 10/21/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.23E-02	0.00E+00	5.23E-02
Cs-134	<2.10E-02	0.00E+00	2.10E-02
Cs-137	<9.63E-03	0.00E+00	9.63E-03
Be-7	<3.18E-01	0.00E+00	3.18E-01
K-40	7.07E-01	5.07E-01	6.40E-01

Sample ID: 359197 **Sample Dates: 10/21/2014 - 10/28/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.67E-02	0.00E+00	3.67E-02
Cs-134	<3.18E-02	0.00E+00	3.18E-02
Cs-137	<3.40E-02	0.00E+00	3.40E-02
Be-7	<2.12E-01	0.00E+00	2.12E-01
K-40	<9.02E-01	0.00E+00	9.02E-01

Sample ID: 359952 **Sample Dates: 10/28/2014 - 11/4/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<1.34E-02	0.00E+00	1.34E-02
Cs-134	<1.35E-02	0.00E+00	1.35E-02
Cs-137	<2.03E-02	0.00E+00	2.03E-02
Be-7	<1.09E-01	0.00E+00	1.09E-01
K-40	8.86E-01	3.00E-01	2.10E-01

Sample ID: 360643 **Sample Dates: 11/4/2014 - 11/11/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.42E-02	0.00E+00	3.42E-02
Cs-134	<2.10E-02	0.00E+00	2.10E-02
Cs-137	<3.72E-02	0.00E+00	3.72E-02
Be-7	<2.13E-01	0.00E+00	2.13E-01
K-40	1.02E+00	4.99E-01	4.54E-01

Sample ID: 361511 **Sample Dates: 11/11/2014 - 11/18/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.07E-02	0.00E+00	4.07E-02
Cs-134	<2.15E-02	0.00E+00	2.15E-02
Cs-137	<2.68E-02	0.00E+00	2.68E-02
Be-7	<3.85E-01	0.00E+00	3.85E-01
K-40	5.25E-01	4.70E-01	6.60E-01

Sample ID: 361896 **Sample Dates: 11/18/2014 - 11/25/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.64E-02	0.00E+00	3.64E-02
Cs-134	<2.20E-02	0.00E+00	2.20E-02
Cs-137	<3.46E-02	0.00E+00	3.46E-02
Be-7	<3.51E-01	0.00E+00	3.51E-01
K-40	<1.14E+00	0.00E+00	1.14E+00

Sample ID: 362705 **Sample Dates: 11/25/2014 - 12/2/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.78E-02	0.00E+00	3.78E-02
Cs-134	<2.13E-02	0.00E+00	2.13E-02
Cs-137	<2.30E-02	0.00E+00	2.30E-02
Be-7	<2.04E-01	0.00E+00	2.04E-01
K-40	7.56E-01	3.39E-01	3.27E-01

Sample ID: 363454 **Sample Dates: 12/2/2014 - 12/9/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.32E-02	0.00E+00	3.32E-02
Cs-134	<1.88E-02	0.00E+00	1.88E-02
Cs-137	<2.33E-02	0.00E+00	2.33E-02
Be-7	<1.53E-01	0.00E+00	1.53E-01
K-40	1.03E+00	3.61E-01	8.01E-02

Sample ID: 363906 **Sample Dates: 12/9/2014 - 12/16/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.64E-02	0.00E+00	4.64E-02
Cs-134	<2.28E-02	0.00E+00	2.28E-02
Cs-137	<2.67E-02	0.00E+00	2.67E-02
Be-7	<1.92E-01	0.00E+00	1.92E-01
K-40	7.26E-01	3.20E-01	2.65E-01

Sample ID: 364421 **Sample Dates: 12/16/2014 - 12/23/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.69E-02	0.00E+00	4.69E-02
Cs-134	<2.62E-02	0.00E+00	2.62E-02
Cs-137	<3.99E-02	0.00E+00	3.99E-02
Be-7	<2.40E-01	0.00E+00	2.40E-01

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

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

Sample Point 200 [INDICATOR - WSW @ 1 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
364421	12/16/2014 - 12/23/2014	K-40	9.73E-01	4.19E-01	3.60E-01
364879	12/23/2014 - 12/30/2014	I-131	<2.54E-02	0.00E+00	2.54E-02
		Cs-134	<2.43E-02	0.00E+00	2.43E-02
		Cs-137	<3.99E-02	0.00E+00	3.99E-02
		Be-7	<2.28E-01	0.00E+00	2.28E-01
		K-40	9.44E-01	4.40E-01	1.35E-01

Sample Point 201 [INDICATOR - NE @ 0.5 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
280652	12/31/2013 - 1/7/2014	I-131	<4.84E-02	0.00E+00	4.84E-02
		Cs-134	<3.42E-02	0.00E+00	3.42E-02
		Cs-137	<3.49E-02	0.00E+00	3.49E-02
		Be-7	<3.46E-01	0.00E+00	3.46E-01
		K-40	1.18E+00	2.58E-01	6.96E-01
280825	1/7/2014 - 1/14/2014	I-131	<5.56E-02	0.00E+00	5.56E-02
		Cs-134	<2.42E-02	0.00E+00	2.42E-02
		Cs-137	<4.98E-02	0.00E+00	4.98E-02
		Be-7	<2.28E-01	0.00E+00	2.28E-01
		K-40	6.18E-01	2.38E-01	6.43E-01
281184	1/14/2014 - 1/21/2014	I-131	<3.20E-02	0.00E+00	3.20E-02
		Cs-134	<2.93E-02	0.00E+00	2.93E-02
		Cs-137	<2.85E-02	0.00E+00	2.85E-02
		Be-7	<2.70E-01	0.00E+00	2.70E-01
		K-40	5.88E-01	2.25E-01	4.11E-01
281505	1/21/2014 - 1/28/2014	I-131	<5.20E-02	0.00E+00	5.20E-02
		Cs-134	<3.39E-02	0.00E+00	3.39E-02
		Cs-137	<3.35E-02	0.00E+00	3.35E-02
		Be-7	<3.90E-01	0.00E+00	3.90E-01
		K-40	5.30E-01	2.19E-01	5.38E-01
282128	1/28/2014 - 2/4/2014	I-131	<5.14E-02	0.00E+00	5.14E-02
		Cs-134	<3.61E-02	0.00E+00	3.61E-02
		Cs-137	<2.84E-02	0.00E+00	2.84E-02
		Be-7	<2.08E-01	0.00E+00	2.08E-01
		K-40	<8.35E-01	0.00E+00	8.35E-01
282940	2/4/2014 - 2/11/2014	I-131	<5.99E-02	0.00E+00	5.99E-02
		Cs-134	<2.81E-02	0.00E+00	2.81E-02
		Cs-137	<2.85E-02	0.00E+00	2.85E-02
		Be-7	<2.85E-01	0.00E+00	2.85E-01
		K-40	<1.12E+00	0.00E+00	1.12E+00
283387	2/11/2014 - 2/18/2014	I-131	<4.11E-02	0.00E+00	4.11E-02
		Cs-134	<3.21E-02	0.00E+00	3.21E-02
		Cs-137	<2.80E-02	0.00E+00	2.80E-02
		Be-7	<3.07E-01	0.00E+00	3.07E-01
		K-40	<1.23E+00	0.00E+00	1.23E+00
284554	2/18/2014 - 2/25/2014	I-131	<2.62E-02	0.00E+00	2.62E-02
		Cs-134	<1.74E-02	0.00E+00	1.74E-02
		Cs-137	<2.86E-02	0.00E+00	2.86E-02
		Be-7	<2.35E-01	0.00E+00	2.35E-01
		K-40	3.71E-01	1.24E-01	1.11E-01

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 201 [INDICATOR - NE @ 0.5 miles]

Sample ID: 285115 **Sample Dates: 2/25/2014 - 3/4/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.26E-02	0.00E+00	4.26E-02
Cs-134	<4.23E-02	0.00E+00	4.23E-02
Cs-137	<3.84E-02	0.00E+00	3.84E-02
Be-7	<2.09E-01	0.00E+00	2.09E-01
K-40	<1.04E+00	0.00E+00	1.04E+00

Sample ID: 285720 **Sample Dates: 3/4/2014 - 3/11/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.22E-02	0.00E+00	2.22E-02
Cs-134	<1.58E-02	0.00E+00	1.58E-02
Cs-137	<2.56E-02	0.00E+00	2.56E-02
Be-7	<1.28E-01	0.00E+00	1.28E-01
K-40	7.90E-01	1.72E-01	1.02E-01

Sample ID: 286224 **Sample Dates: 3/11/2014 - 3/18/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.23E-02	0.00E+00	3.23E-02
Cs-134	<2.88E-02	0.00E+00	2.88E-02
Cs-137	<2.23E-02	0.00E+00	2.23E-02
Be-7	<1.92E-01	0.00E+00	1.92E-01
K-40	<6.66E-01	0.00E+00	6.66E-01

Sample ID: 287109 **Sample Dates: 3/18/2014 - 3/25/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.25E-02	0.00E+00	4.25E-02
Cs-134	<1.58E-02	0.00E+00	1.58E-02
Cs-137	<2.35E-02	0.00E+00	2.35E-02
Be-7	<1.78E-01	0.00E+00	1.78E-01
K-40	6.00E-01	1.50E-01	3.59E-01

Sample ID: 288360 **Sample Dates: 3/25/2014 - 4/1/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.88E-02	0.00E+00	4.88E-02
Cs-134	<3.93E-02	0.00E+00	3.93E-02
Cs-137	<4.54E-02	0.00E+00	4.54E-02
Be-7	<3.23E-01	0.00E+00	3.23E-01
K-40	1.10E+00	2.47E-01	5.04E-01

Sample ID: 289084 **Sample Dates: 4/1/2014 - 4/8/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.36E-02	0.00E+00	2.36E-02
Cs-134	<2.02E-02	0.00E+00	2.02E-02
Cs-137	<3.31E-02	0.00E+00	3.31E-02
Be-7	<2.09E-01	0.00E+00	2.09E-01
K-40	<7.75E-01	0.00E+00	7.75E-01

Sample ID: 289470 **Sample Dates: 4/8/2014 - 4/15/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.46E-02	0.00E+00	5.46E-02
Cs-134	<2.31E-02	0.00E+00	2.31E-02
Cs-137	<3.37E-02	0.00E+00	3.37E-02
Be-7	<3.41E-01	0.00E+00	3.41E-01
K-40	7.58E-01	2.03E-01	4.09E-01

Sample ID: 289880 **Sample Dates: 4/15/2014 - 4/22/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.84E-02	0.00E+00	3.84E-02
Cs-134	<3.74E-02	0.00E+00	3.74E-02
Cs-137	<3.50E-02	0.00E+00	3.50E-02
Be-7	<2.36E-01	0.00E+00	2.36E-01
K-40	9.27E-01	2.25E-01	6.00E-01

Sample ID: 291485 **Sample Dates: 4/22/2014 - 4/29/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.60E-02	0.00E+00	4.60E-02
Cs-134	<3.25E-02	0.00E+00	3.25E-02
Cs-137	<4.62E-02	0.00E+00	4.62E-02
Be-7	<2.88E-01	0.00E+00	2.88E-01
K-40	<9.91E-01	0.00E+00	9.91E-01

Sample ID: 292779 **Sample Dates: 4/29/2014 - 5/6/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.48E-02	0.00E+00	3.48E-02
Cs-134	<2.98E-02	0.00E+00	2.98E-02
Cs-137	<4.18E-02	0.00E+00	4.18E-02
Be-7	<2.58E-01	0.00E+00	2.58E-01

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

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

Sample Point 201 [INDICATOR - NE @ 0.5 miles]

Sample ID:	292779	Sample Dates: 4/29/2014 - 5/6/2014	Nuclide	Activity	Sigma Error [1]	LLD
			K-40	8.10E-01	2.09E-01	5.16E-01
Sample ID:	293041	Sample Dates: 5/6/2014 - 5/13/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.53E-02	0.00E+00	3.53E-02
			Cs-134	<3.45E-02	0.00E+00	3.45E-02
			Cs-137	<3.57E-02	0.00E+00	3.57E-02
			Be-7	<2.48E-01	0.00E+00	2.48E-01
			K-40	5.69E-01	2.15E-01	3.99E-01
Sample ID:	294672	Sample Dates: 5/13/2014 - 5/20/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.20E-02	0.00E+00	3.20E-02
			Cs-134	<1.95E-02	0.00E+00	1.95E-02
			Cs-137	<3.42E-02	0.00E+00	3.42E-02
			Be-7	<2.54E-01	0.00E+00	2.54E-01
			K-40	7.12E-01	2.31E-01	4.21E-01
Sample ID:	295181	Sample Dates: 5/20/2014 - 5/27/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<6.88E-02	0.00E+00	6.88E-02
			Cs-134	<4.78E-02	0.00E+00	4.78E-02
			Cs-137	<4.43E-02	0.00E+00	4.43E-02
			Be-7	<2.87E-01	0.00E+00	2.87E-01
			K-40	6.51E-01	2.64E-01	1.46E-01
Sample ID:	295442	Sample Dates: 5/27/2014 - 6/3/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<5.08E-02	0.00E+00	5.08E-02
			Cs-134	<3.76E-02	0.00E+00	3.76E-02
			Cs-137	<4.56E-02	0.00E+00	4.56E-02
			Be-7	<2.70E-01	0.00E+00	2.70E-01
			K-40	7.80E-01	3.19E-01	6.22E-01
Sample ID:	295957	Sample Dates: 6/3/2014 - 6/10/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.33E-02	0.00E+00	4.33E-02
			Cs-134	<3.65E-02	0.00E+00	3.65E-02
			Cs-137	<4.17E-02	0.00E+00	4.17E-02
			Be-7	<3.32E-01	0.00E+00	3.32E-01
			K-40	1.04E+00	2.38E-01	5.99E-01
Sample ID:	296202	Sample Dates: 6/10/2014 - 6/17/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.34E-02	0.00E+00	4.34E-02
			Cs-134	<3.52E-02	0.00E+00	3.52E-02
			Cs-137	<3.46E-02	0.00E+00	3.46E-02
			Be-7	<2.94E-01	0.00E+00	2.94E-01
			K-40	9.65E-01	2.28E-01	5.00E-01
Sample ID:	296723	Sample Dates: 6/17/2014 - 6/24/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.97E-02	0.00E+00	3.97E-02
			Cs-134	<1.84E-02	0.00E+00	1.84E-02
			Cs-137	<5.36E-02	0.00E+00	5.36E-02
			Be-7	<2.93E-01	0.00E+00	2.93E-01
			K-40	7.23E-01	2.97E-01	7.18E-01
Sample ID:	296950	Sample Dates: 6/24/2014 - 7/1/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<5.32E-02	0.00E+00	5.32E-02
			Cs-134	<2.37E-02	0.00E+00	2.37E-02
			Cs-137	<3.31E-02	0.00E+00	3.31E-02
			Be-7	<2.38E-01	0.00E+00	2.38E-01
			K-40	9.28E-01	2.02E-01	4.06E-01
Sample ID:	297347	Sample Dates: 7/1/2014 - 7/8/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.59E-02	0.00E+00	4.59E-02
			Cs-134	<2.29E-02	0.00E+00	2.29E-02
			Cs-137	<4.79E-02	0.00E+00	4.79E-02
			Be-7	<2.15E-01	0.00E+00	2.15E-01
			K-40	9.88E-01	2.33E-01	4.07E-01
Sample ID:	297635	Sample Dates: 7/8/2014 - 7/15/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.53E-02	0.00E+00	4.53E-02
			Cs-134	<1.53E-02	0.00E+00	1.53E-02

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 201 [INDICATOR - NE @ 0.5 miles]

Sample ID: 297635 **Sample Dates: 7/8/2014 - 7/15/2014**

Nuclide	Activity	Sigma Error [1]	LLD
Cs-137	<1.76E-02	0.00E+00	1.76E-02
Be-7	<1.52E-01	0.00E+00	1.52E-01
K-40	1.37E+00	3.96E-01	2.59E-01

Sample ID: 298171 **Sample Dates: 7/15/2014 - 7/22/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.78E-02	0.00E+00	4.78E-02
Cs-134	<2.06E-02	0.00E+00	2.06E-02
Cs-137	<2.42E-02	0.00E+00	2.42E-02
Be-7	<1.99E-01	0.00E+00	1.99E-01
K-40	9.59E-01	3.52E-01	2.65E-01

Sample ID: 350669 **Sample Dates: 7/22/2014 - 7/29/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.71E-02	0.00E+00	4.71E-02
Cs-134	<1.96E-02	0.00E+00	1.96E-02
Cs-137	<2.44E-02	0.00E+00	2.44E-02
Be-7	<2.06E-01	0.00E+00	2.06E-01
K-40	1.17E+00	5.22E-01	1.51E-01

Sample ID: 350949 **Sample Dates: 7/29/2014 - 8/5/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.07E-02	0.00E+00	4.07E-02
Cs-134	<3.05E-02	0.00E+00	3.05E-02
Cs-137	<3.29E-02	0.00E+00	3.29E-02
Be-7	<1.63E-01	0.00E+00	1.63E-01
K-40	8.97E-01	5.53E-01	6.46E-01

Sample ID: 351485 **Sample Dates: 8/5/2014 - 8/12/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.37E-02	0.00E+00	4.37E-02
Cs-134	<3.52E-02	0.00E+00	3.52E-02
Cs-137	<4.39E-02	0.00E+00	4.39E-02
Be-7	<1.97E-01	0.00E+00	1.97E-01
K-40	3.01E-01	2.96E-01	3.80E-01

Sample ID: 353364 **Sample Dates: 8/12/2014 - 8/19/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.76E-02	0.00E+00	3.76E-02
Cs-134	<3.70E-02	0.00E+00	3.70E-02
Cs-137	<4.00E-02	0.00E+00	4.00E-02
Be-7	<2.27E-01	0.00E+00	2.27E-01
K-40	<9.36E-01	0.00E+00	9.36E-01

Sample ID: 353934 **Sample Dates: 8/19/2014 - 8/26/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.39E-02	0.00E+00	2.39E-02
Cs-134	<2.34E-02	0.00E+00	2.34E-02
Cs-137	<3.15E-02	0.00E+00	3.15E-02
Be-7	<2.12E-01	0.00E+00	2.12E-01
K-40	<8.37E-01	0.00E+00	8.37E-01

Sample ID: 354379 **Sample Dates: 8/26/2014 - 9/2/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.35E-02	0.00E+00	4.35E-02
Cs-134	<1.59E-02	0.00E+00	1.59E-02
Cs-137	<1.61E-02	0.00E+00	1.61E-02
Be-7	<1.07E-01	0.00E+00	1.07E-01
K-40	7.33E-01	2.52E-01	2.67E-01

Sample ID: 354695 **Sample Dates: 9/2/2014 - 9/9/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.56E-02	0.00E+00	3.56E-02
Cs-134	<1.08E-02	0.00E+00	1.08E-02
Cs-137	<4.36E-02	0.00E+00	4.36E-02
Be-7	<2.25E-01	0.00E+00	2.25E-01
K-40	8.42E-01	5.20E-01	6.06E-01

Sample ID: 355020 **Sample Dates: 9/9/2014 - 9/16/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.33E-02	0.00E+00	5.33E-02
Cs-134	<2.64E-02	0.00E+00	2.64E-02
Cs-137	<2.83E-02	0.00E+00	2.83E-02
Be-7	<1.89E-01	0.00E+00	1.89E-01
K-40	9.49E-01	4.93E-01	4.75E-01

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 201 [INDICATOR - NE @ 0.5 miles]

Sample ID: 355554 **Sample Dates: 9/16/2014 - 9/23/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.19E-02	0.00E+00	4.19E-02
Cs-134	<1.97E-02	0.00E+00	1.97E-02
Cs-137	<2.46E-02	0.00E+00	2.46E-02
Be-7	<1.95E-01	0.00E+00	1.95E-01
K-40	8.29E-01	5.11E-01	5.89E-01

Sample ID: 356358 **Sample Dates: 9/23/2014 - 9/30/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.08E-02	0.00E+00	5.08E-02
Cs-134	<7.30E-03	0.00E+00	7.30E-03
Cs-137	<4.04E-02	0.00E+00	4.04E-02
Be-7	<2.57E-01	0.00E+00	2.57E-01
K-40	<9.89E-01	0.00E+00	9.89E-01

Sample ID: 356965 **Sample Dates: 9/30/2014 - 10/7/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.35E-02	0.00E+00	3.35E-02
Cs-134	<2.90E-02	0.00E+00	2.90E-02
Cs-137	<2.47E-02	0.00E+00	2.47E-02
Be-7	<1.98E-01	0.00E+00	1.98E-01
K-40	<1.24E+00	0.00E+00	1.24E+00

Sample ID: 357971 **Sample Dates: 10/7/2014 - 10/14/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.79E-02	0.00E+00	3.79E-02
Cs-134	<2.90E-02	0.00E+00	2.90E-02
Cs-137	<9.09E-03	0.00E+00	9.09E-03
Be-7	<2.79E-01	0.00E+00	2.79E-01
K-40	<1.07E+00	0.00E+00	1.07E+00

Sample ID: 358594 **Sample Dates: 10/14/2014 - 10/21/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.44E-02	0.00E+00	5.44E-02
Cs-134	<2.90E-02	0.00E+00	2.90E-02
Cs-137	<3.62E-02	0.00E+00	3.62E-02
Be-7	<2.29E-01	0.00E+00	2.29E-01
K-40	6.35E-01	5.10E-01	7.08E-01

Sample ID: 359198 **Sample Dates: 10/21/2014 - 10/28/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.82E-02	0.00E+00	2.82E-02
Cs-134	<1.19E-02	0.00E+00	1.19E-02
Cs-137	<2.39E-02	0.00E+00	2.39E-02
Be-7	<1.47E-01	0.00E+00	1.47E-01
K-40	8.85E-01	3.19E-01	2.40E-01

Sample ID: 359953 **Sample Dates: 10/28/2014 - 11/4/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.93E-02	0.00E+00	2.93E-02
Cs-134	<2.58E-02	0.00E+00	2.58E-02
Cs-137	<3.61E-02	0.00E+00	3.61E-02
Be-7	<2.02E-01	0.00E+00	2.02E-01
K-40	1.56E+00	6.95E-01	7.64E-01

Sample ID: 360644 **Sample Dates: 11/4/2014 - 11/11/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.16E-02	0.00E+00	2.16E-02
Cs-134	<2.00E-02	0.00E+00	2.00E-02
Cs-137	<2.76E-02	0.00E+00	2.76E-02
Be-7	<1.70E-01	0.00E+00	1.70E-01
K-40	6.11E-01	3.04E-01	3.22E-01

Sample ID: 361512 **Sample Dates: 11/11/2014 - 11/18/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.66E-02	0.00E+00	4.66E-02
Cs-134	<1.94E-02	0.00E+00	1.94E-02
Cs-137	<2.71E-02	0.00E+00	2.71E-02
Be-7	<2.15E-01	0.00E+00	2.15E-01
K-40	1.00E+00	3.42E-01	2.76E-01

Sample ID: 361897 **Sample Dates: 11/18/2014 - 11/25/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.13E-02	0.00E+00	5.13E-02
Cs-134	<2.83E-02	0.00E+00	2.83E-02
Cs-137	<3.15E-02	0.00E+00	3.15E-02
Be-7	<1.44E-01	0.00E+00	1.44E-01

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

Sample Point 201 [INDICATOR - NE @ 0.5 miles]

Sample ID: 361897 **Sample Dates: 11/18/2014 - 11/25/2014**

Nuclide	Activity	Sigma Error [1]	LLD
K-40	6.62E-01	4.20E-01	4.74E-01

Sample ID: 362706 **Sample Dates: 11/25/2014 - 12/2/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.09E-02	0.00E+00	4.09E-02
Cs-134	<1.60E-02	0.00E+00	1.60E-02
Cs-137	<1.78E-02	0.00E+00	1.78E-02
Be-7	<1.38E-01	0.00E+00	1.38E-01
K-40	<7.13E-01	0.00E+00	7.13E-01

Sample ID: 363455 **Sample Dates: 12/2/2014 - 12/9/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.65E-02	0.00E+00	3.65E-02
Cs-134	<2.25E-02	0.00E+00	2.25E-02
Cs-137	<3.63E-02	0.00E+00	3.63E-02
Be-7	<1.79E-01	0.00E+00	1.79E-01
K-40	1.24E+00	5.97E-01	6.26E-01

Sample ID: 363907 **Sample Dates: 12/9/2014 - 12/16/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.50E-02	0.00E+00	3.50E-02
Cs-134	<1.77E-02	0.00E+00	1.77E-02
Cs-137	<2.36E-02	0.00E+00	2.36E-02
Be-7	<1.98E-01	0.00E+00	1.98E-01
K-40	<7.60E-01	0.00E+00	7.60E-01

Sample ID: 364422 **Sample Dates: 12/16/2014 - 12/23/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.37E-02	0.00E+00	5.37E-02
Cs-134	<2.09E-02	0.00E+00	2.09E-02
Cs-137	<2.31E-02	0.00E+00	2.31E-02
Be-7	<1.95E-01	0.00E+00	1.95E-01
K-40	1.08E+00	4.23E-01	3.35E-01

Sample ID: 364880 **Sample Dates: 12/23/2014 - 12/30/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.12E-02	0.00E+00	3.12E-02
Cs-134	<2.43E-02	0.00E+00	2.43E-02
Cs-137	<2.63E-02	0.00E+00	2.63E-02
Be-7	<1.62E-01	0.00E+00	1.62E-01
K-40	9.68E-01	4.89E-01	4.64E-01

Sample Point 202 [INDICATOR - S @ 1 miles]

Sample ID: 280653 **Sample Dates: 12/31/2013 - 1/7/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.10E-02	0.00E+00	4.10E-02
Cs-134	<4.17E-02	0.00E+00	4.17E-02
Cs-137	<3.06E-02	0.00E+00	3.06E-02
Be-7	<3.25E-01	0.00E+00	3.25E-01
K-40	9.69E-01	3.44E-01	6.95E-01

Sample ID: 280826 **Sample Dates: 1/7/2014 - 1/14/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.27E-02	0.00E+00	5.27E-02
Cs-134	<4.20E-02	0.00E+00	4.20E-02
Cs-137	<4.02E-02	0.00E+00	4.02E-02
Be-7	<3.35E-01	0.00E+00	3.35E-01
K-40	1.06E+00	2.50E-01	4.42E-01

Sample ID: 281185 **Sample Dates: 1/14/2014 - 1/21/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.01E-02	0.00E+00	3.01E-02
Cs-134	<2.44E-02	0.00E+00	2.44E-02
Cs-137	<1.94E-02	0.00E+00	1.94E-02
Be-7	<2.24E-01	0.00E+00	2.24E-01
K-40	<8.09E-01	0.00E+00	8.09E-01

Sample ID: 281506 **Sample Dates: 1/21/2014 - 1/28/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<6.06E-02	0.00E+00	6.06E-02
Cs-134	<2.91E-02	0.00E+00	2.91E-02
Cs-137	<2.43E-02	0.00E+00	2.43E-02
Be-7	<3.27E-01	0.00E+00	3.27E-01
K-40	<1.19E+00	0.00E+00	1.19E+00

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 202 [INDICATOR - S @ 1 miles]

Sample ID: 282129 **Sample Dates: 1/28/2014 - 2/4/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.33E-02	0.00E+00	4.33E-02
Cs-134	<2.95E-02	0.00E+00	2.95E-02
Cs-137	<3.16E-02	0.00E+00	3.16E-02
Be-7	<2.95E-01	0.00E+00	2.95E-01
K-40	<1.10E+00	0.00E+00	1.10E+00

Sample ID: 282941 **Sample Dates: 2/4/2014 - 2/11/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<6.14E-02	0.00E+00	6.14E-02
Cs-134	<3.87E-02	0.00E+00	3.87E-02
Cs-137	<3.52E-02	0.00E+00	3.52E-02
Be-7	<2.96E-01	0.00E+00	2.96E-01
K-40	<1.35E+00	0.00E+00	1.35E+00

Sample ID: 283388 **Sample Dates: 2/11/2014 - 2/18/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.35E-02	0.00E+00	3.35E-02
Cs-134	<2.03E-02	0.00E+00	2.03E-02
Cs-137	<2.54E-02	0.00E+00	2.54E-02
Be-7	<1.86E-01	0.00E+00	1.86E-01
K-40	<9.01E-01	0.00E+00	9.01E-01

Sample ID: 284555 **Sample Dates: 2/18/2014 - 2/25/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.51E-02	0.00E+00	3.51E-02
Cs-134	<2.24E-02	0.00E+00	2.24E-02
Cs-137	<2.40E-02	0.00E+00	2.40E-02
Be-7	<1.71E-01	0.00E+00	1.71E-01
K-40	<8.51E-01	0.00E+00	8.51E-01

Sample ID: 285116 **Sample Dates: 2/25/2014 - 3/4/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.86E-02	0.00E+00	4.86E-02
Cs-134	<2.27E-02	0.00E+00	2.27E-02
Cs-137	<4.98E-02	0.00E+00	4.98E-02
Be-7	<2.72E-01	0.00E+00	2.72E-01
K-40	8.46E-01	2.93E-01	4.43E-01

Sample ID: 285721 **Sample Dates: 3/4/2014 - 3/11/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<6.02E-02	0.00E+00	6.02E-02
Cs-134	<3.11E-02	0.00E+00	3.11E-02
Cs-137	<3.95E-02	0.00E+00	3.95E-02
Be-7	<4.18E-01	0.00E+00	4.18E-01
K-40	1.19E+00	2.73E-01	4.54E-01

Sample ID: 286225 **Sample Dates: 3/11/2014 - 3/18/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.62E-02	0.00E+00	2.62E-02
Cs-134	<1.61E-02	0.00E+00	1.61E-02
Cs-137	<2.57E-02	0.00E+00	2.57E-02
Be-7	<1.58E-01	0.00E+00	1.58E-01
K-40	8.69E-01	1.59E-01	7.83E-02

Sample ID: 287110 **Sample Dates: 3/18/2014 - 3/25/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.89E-02	0.00E+00	3.89E-02
Cs-134	<1.98E-02	0.00E+00	1.98E-02
Cs-137	<1.98E-02	0.00E+00	1.98E-02
Be-7	<1.53E-01	0.00E+00	1.53E-01
K-40	1.03E+00	1.75E-01	2.64E-01

Sample ID: 288361 **Sample Dates: 3/25/2014 - 4/1/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.01E-02	0.00E+00	3.01E-02
Cs-134	<1.99E-02	0.00E+00	1.99E-02
Cs-137	<1.86E-02	0.00E+00	1.86E-02
Be-7	<1.37E-01	0.00E+00	1.37E-01
K-40	6.90E-01	1.41E-01	7.77E-02

Sample ID: 289085 **Sample Dates: 4/1/2014 - 4/8/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.77E-02	0.00E+00	2.77E-02
Cs-134	<1.95E-02	0.00E+00	1.95E-02
Cs-137	<2.77E-02	0.00E+00	2.77E-02
Be-7	<1.51E-01	0.00E+00	1.51E-01

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

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

Sample Point 202 [INDICATOR - S @ 1 miles]

Sample ID:	289085	Sample Dates: 4/1/2014 - 4/8/2014	Nuclide	Activity	Sigma Error [1]	LLD
			K-40	7.21E-01	1.70E-01	3.45E-01
Sample ID:	289471	Sample Dates: 4/8/2014 - 4/15/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.91E-02	0.00E+00	4.91E-02
			Cs-134	<3.88E-02	0.00E+00	3.88E-02
			Cs-137	<3.62E-02	0.00E+00	3.62E-02
			Be-7	<3.28E-01	0.00E+00	3.28E-01
			K-40	<1.27E+00	0.00E+00	1.27E+00
Sample ID:	289881	Sample Dates: 4/15/2014 - 4/22/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.34E-02	0.00E+00	3.34E-02
			Cs-134	<2.34E-02	0.00E+00	2.34E-02
			Cs-137	<2.11E-02	0.00E+00	2.11E-02
			Be-7	<1.30E-01	0.00E+00	1.30E-01
			K-40	6.81E-01	1.65E-01	1.08E-01
Sample ID:	291486	Sample Dates: 4/22/2014 - 4/29/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<2.17E-02	0.00E+00	2.17E-02
			Cs-134	<1.52E-02	0.00E+00	1.52E-02
			Cs-137	<3.34E-02	0.00E+00	3.34E-02
			Be-7	<1.71E-01	0.00E+00	1.71E-01
			K-40	7.09E-01	1.77E-01	3.16E-01
Sample ID:	292780	Sample Dates: 4/29/2014 - 5/6/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.68E-02	0.00E+00	4.68E-02
			Cs-134	<4.38E-02	0.00E+00	4.38E-02
			Cs-137	<4.07E-02	0.00E+00	4.07E-02
			Be-7	<3.56E-01	0.00E+00	3.56E-01
			K-40	6.99E-01	2.02E-01	4.19E-01
Sample ID:	293042	Sample Dates: 5/6/2014 - 5/13/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<2.62E-02	0.00E+00	2.62E-02
			Cs-134	<1.95E-02	0.00E+00	1.95E-02
			Cs-137	<1.98E-02	0.00E+00	1.98E-02
			Be-7	<1.56E-01	0.00E+00	1.56E-01
			K-40	4.51E-01	1.79E-01	2.84E-01
Sample ID:	294673	Sample Dates: 5/13/2014 - 5/20/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.24E-02	0.00E+00	4.24E-02
			Cs-134	<3.15E-02	0.00E+00	3.15E-02
			Cs-137	<4.44E-02	0.00E+00	4.44E-02
			Be-7	<3.23E-01	0.00E+00	3.23E-01
			K-40	6.40E-01	1.93E-01	5.56E-01
Sample ID:	295182	Sample Dates: 5/20/2014 - 5/27/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<6.74E-02	0.00E+00	6.74E-02
			Cs-134	<3.05E-02	0.00E+00	3.05E-02
			Cs-137	<3.42E-02	0.00E+00	3.42E-02
			Be-7	<2.73E-01	0.00E+00	2.73E-01
			K-40	5.50E-01	1.84E-01	4.70E-01
Sample ID:	295443	Sample Dates: 5/27/2014 - 6/3/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.45E-02	0.00E+00	3.45E-02
			Cs-134	<4.08E-02	0.00E+00	4.08E-02
			Cs-137	<4.29E-02	0.00E+00	4.29E-02
			Be-7	<2.31E-01	0.00E+00	2.31E-01
			K-40	8.88E-01	2.96E-01	1.58E-01
Sample ID:	295958	Sample Dates: 6/3/2014 - 6/10/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.06E-02	0.00E+00	3.06E-02
			Cs-134	<2.25E-02	0.00E+00	2.25E-02
			Cs-137	<2.90E-02	0.00E+00	2.90E-02
			Be-7	<2.21E-01	0.00E+00	2.21E-01
			K-40	8.01E-01	1.94E-01	1.27E-01
Sample ID:	296203	Sample Dates: 6/10/2014 - 6/17/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<2.33E-02	0.00E+00	2.33E-02
			Cs-134	<1.84E-02	0.00E+00	1.84E-02

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 202 [INDICATOR - S @ 1 miles]

Sample ID: 296203 **Sample Dates: 6/10/2014 - 6/17/2014**

Nuclide	Activity	Sigma Error [1]	LLD
Cs-137	<2.18E-02	0.00E+00	2.18E-02
Be-7	<1.12E-01	0.00E+00	1.12E-01
K-40	1.13E+00	1.80E-01	2.12E-01

Sample ID: 296724 **Sample Dates: 6/17/2014 - 6/24/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.84E-02	0.00E+00	2.84E-02
Cs-134	<2.01E-02	0.00E+00	2.01E-02
Cs-137	<2.67E-02	0.00E+00	2.67E-02
Be-7	<1.68E-01	0.00E+00	1.68E-01
K-40	1.14E+00	2.32E-01	3.61E-01

Sample ID: 296951 **Sample Dates: 6/24/2014 - 7/1/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<6.54E-02	0.00E+00	6.54E-02
Cs-134	<3.69E-02	0.00E+00	3.69E-02
Cs-137	<4.32E-02	0.00E+00	4.32E-02
Be-7	<3.34E-01	0.00E+00	3.34E-01
K-40	1.08E+00	2.48E-01	1.54E-01

Sample ID: 297348 **Sample Dates: 7/1/2014 - 7/8/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.07E-02	0.00E+00	4.07E-02
Cs-134	<4.18E-02	0.00E+00	4.18E-02
Cs-137	<4.44E-02	0.00E+00	4.44E-02
Be-7	<3.28E-01	0.00E+00	3.28E-01
K-40	<1.14E+00	0.00E+00	1.14E+00

Sample ID: 297636 **Sample Dates: 7/8/2014 - 7/15/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.74E-02	0.00E+00	4.74E-02
Cs-134	<2.28E-02	0.00E+00	2.28E-02
Cs-137	<2.84E-02	0.00E+00	2.84E-02
Be-7	<2.21E-01	0.00E+00	2.21E-01
K-40	<7.75E-01	0.00E+00	7.75E-01

Sample ID: 298172 **Sample Dates: 7/15/2014 - 7/22/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.43E-02	0.00E+00	5.43E-02
Cs-134	<2.02E-02	0.00E+00	2.02E-02
Cs-137	<2.51E-02	0.00E+00	2.51E-02
Be-7	<1.57E-01	0.00E+00	1.57E-01
K-40	<8.98E-01	0.00E+00	8.98E-01

Sample ID: 350670 **Sample Dates: 7/22/2014 - 7/29/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.53E-02	0.00E+00	5.53E-02
Cs-134	<3.03E-02	0.00E+00	3.03E-02
Cs-137	<4.58E-02	0.00E+00	4.58E-02
Be-7	<3.70E-01	0.00E+00	3.70E-01
K-40	9.78E-01	5.36E-01	5.26E-01

Sample ID: 350950 **Sample Dates: 7/29/2014 - 8/5/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.74E-02	0.00E+00	4.74E-02
Cs-134	<3.11E-02	0.00E+00	3.11E-02
Cs-137	<3.35E-02	0.00E+00	3.35E-02
Be-7	<3.78E-01	0.00E+00	3.78E-01
K-40	1.04E+00	5.10E-01	1.65E-01

Sample ID: 351503 **Sample Dates: 8/5/2014 - 8/12/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.43E-02	0.00E+00	4.43E-02
Cs-134	<2.46E-02	0.00E+00	2.46E-02
Cs-137	<4.26E-02	0.00E+00	4.26E-02
Be-7	<2.28E-01	0.00E+00	2.28E-01
K-40	1.24E+00	5.26E-01	4.92E-01

Sample ID: 353365 **Sample Dates: 8/12/2014 - 8/19/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.04E-02	0.00E+00	4.04E-02
Cs-134	<1.16E-02	0.00E+00	1.16E-02
Cs-137	<2.64E-02	0.00E+00	2.64E-02
Be-7	<4.28E-01	0.00E+00	4.28E-01
K-40	1.09E+00	5.21E-01	1.64E-01

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

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

Sample Point 202 [INDICATOR - S @ 1 miles]

Sample ID:	353935	Sample Dates: 8/19/2014 - 8/26/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<5.41E-02	0.00E+00	5.41E-02
			Cs-134	<2.19E-02	0.00E+00	2.19E-02
			Cs-137	<1.72E-02	0.00E+00	1.72E-02
			Be-7	<1.50E-01	0.00E+00	1.50E-01
			K-40	7.61E-01	3.12E-01	3.60E-01
Sample ID:	354380	Sample Dates: 8/26/2014 - 9/2/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.07E-02	0.00E+00	4.07E-02
			Cs-134	<3.18E-02	0.00E+00	3.18E-02
			Cs-137	<3.35E-02	0.00E+00	3.35E-02
			Be-7	<2.12E-01	0.00E+00	2.12E-01
			K-40	7.06E-01	5.13E-01	6.54E-01
Sample ID:	354696	Sample Dates: 9/2/2014 - 9/9/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.40E-02	0.00E+00	3.40E-02
			Cs-134	<1.15E-02	0.00E+00	1.15E-02
			Cs-137	<9.61E-03	0.00E+00	9.61E-03
			Be-7	<2.40E-01	0.00E+00	2.40E-01
			K-40	4.19E-01	3.99E-01	5.59E-01
Sample ID:	355021	Sample Dates: 9/9/2014 - 9/16/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<5.43E-02	0.00E+00	5.43E-02
			Cs-134	<2.01E-02	0.00E+00	2.01E-02
			Cs-137	<4.45E-02	0.00E+00	4.45E-02
			Be-7	<2.73E-01	0.00E+00	2.73E-01
			K-40	7.14E-01	4.70E-01	5.35E-01
Sample ID:	355555	Sample Dates: 9/16/2014 - 9/23/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<5.34E-02	0.00E+00	5.34E-02
			Cs-134	<2.69E-02	0.00E+00	2.69E-02
			Cs-137	<3.36E-02	0.00E+00	3.36E-02
			Be-7	<2.98E-01	0.00E+00	2.98E-01
			K-40	<1.15E+00	0.00E+00	1.15E+00
Sample ID:	356360	Sample Dates: 9/23/2014 - 9/30/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.20E-02	0.00E+00	3.20E-02
			Cs-134	<2.14E-02	0.00E+00	2.14E-02
			Cs-137	<3.91E-02	0.00E+00	3.91E-02
			Be-7	<2.48E-01	0.00E+00	2.48E-01
			K-40	<1.19E+00	0.00E+00	1.19E+00
Sample ID:	356966	Sample Dates: 9/30/2014 - 10/7/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.03E-02	0.00E+00	4.03E-02
			Cs-134	<2.71E-02	0.00E+00	2.71E-02
			Cs-137	<4.38E-02	0.00E+00	4.38E-02
			Be-7	<2.14E-01	0.00E+00	2.14E-01
			K-40	8.80E-01	5.40E-01	6.03E-01
Sample ID:	357972	Sample Dates: 10/7/2014 - 10/14/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.64E-02	0.00E+00	3.64E-02
			Cs-134	<2.13E-02	0.00E+00	2.13E-02
			Cs-137	<3.88E-02	0.00E+00	3.88E-02
			Be-7	<3.43E-01	0.00E+00	3.43E-01
			K-40	7.77E-01	4.86E-01	5.04E-01
Sample ID:	358595	Sample Dates: 10/14/2014 - 10/21/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.13E-02	0.00E+00	3.13E-02
			Cs-134	<3.82E-02	0.00E+00	3.82E-02
			Cs-137	<2.67E-02	0.00E+00	2.67E-02
			Be-7	<2.76E-01	0.00E+00	2.76E-01
			K-40	6.84E-01	4.44E-01	4.34E-01
Sample ID:	359199	Sample Dates: 10/21/2014 - 10/28/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.79E-02	0.00E+00	4.79E-02
			Cs-134	<3.65E-02	0.00E+00	3.65E-02
			Cs-137	<3.78E-02	0.00E+00	3.78E-02
			Be-7	<2.16E-01	0.00E+00	2.16E-01

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

Sample ID:	359199	Sample Dates: 10/21/2014 - 10/28/2014	Nuclide	Activity	Sigma Error [1]	LLD
			K-40	4.56E-01	3.06E-01	1.37E-01
Sample ID:	**359954**	**Sample Dates: 10/28/2014 - 11/4/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			I-131	<2.39E-02	0.00E+00	2.39E-02
			Cs-134	<2.47E-02	0.00E+00	2.47E-02
			Cs-137	<3.10E-02	0.00E+00	3.10E-02
			Be-7	<2.35E-01	0.00E+00	2.35E-01
			K-40	7.43E-01	4.33E-01	4.37E-01
Sample ID:	**360645**	**Sample Dates: 11/4/2014 - 11/11/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			I-131	<2.95E-02	0.00E+00	2.95E-02
			Cs-134	<1.73E-02	0.00E+00	1.73E-02
			Cs-137	<2.84E-02	0.00E+00	2.84E-02
			Be-7	<1.74E-01	0.00E+00	1.74E-01
			K-40	7.74E-01	3.44E-01	3.24E-01
Sample ID:	**361513**	**Sample Dates: 11/11/2014 - 11/18/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			I-131	<4.53E-02	0.00E+00	4.53E-02
			Cs-134	<3.20E-02	0.00E+00	3.20E-02
			Cs-137	<3.45E-02	0.00E+00	3.45E-02
			Be-7	<2.53E-01	0.00E+00	2.53E-01
			K-40	<1.30E+00	0.00E+00	1.30E+00
Sample ID:	**361898**	**Sample Dates: 11/18/2014 - 11/25/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			I-131	<5.22E-02	0.00E+00	5.22E-02
			Cs-134	<3.00E-02	0.00E+00	3.00E-02
			Cs-137	<3.08E-02	0.00E+00	3.08E-02
			Be-7	<2.49E-01	0.00E+00	2.49E-01
			K-40	5.26E-01	3.61E-01	4.57E-01
Sample ID:	**362707**	**Sample Dates: 11/25/2014 - 12/2/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			I-131	<3.86E-02	0.00E+00	3.86E-02
			Cs-134	<2.17E-02	0.00E+00	2.17E-02
			Cs-137	<2.98E-02	0.00E+00	2.98E-02
			Be-7	<1.87E-01	0.00E+00	1.87E-01
			K-40	8.33E-01	3.53E-01	3.15E-01
Sample ID:	**363456**	**Sample Dates: 12/2/2014 - 12/9/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			I-131	<1.84E-02	0.00E+00	1.84E-02
			Cs-134	<1.36E-02	0.00E+00	1.36E-02
			Cs-137	<1.68E-02	0.00E+00	1.68E-02
			Be-7	<1.11E-01	0.00E+00	1.11E-01
			K-40	8.25E-01	2.88E-01	6.39E-02
Sample ID:	**363908**	**Sample Dates: 12/9/2014 - 12/16/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			I-131	<3.82E-02	0.00E+00	3.82E-02
			Cs-134	<2.34E-02	0.00E+00	2.34E-02
			Cs-137	<2.58E-02	0.00E+00	2.58E-02
			Be-7	<1.87E-01	0.00E+00	1.87E-01
			K-40	9.37E-01	3.81E-01	3.41E-01
Sample ID:	**364423**	**Sample Dates: 12/16/2014 - 12/23/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			I-131	<3.98E-02	0.00E+00	3.98E-02
			Cs-134	<3.12E-02	0.00E+00	3.12E-02
			Cs-137	<3.02E-02	0.00E+00	3.02E-02
			Be-7	<2.10E-01	0.00E+00	2.10E-01
			K-40	8.32E-01	5.31E-01	7.47E-01
Sample ID:	**364881**	**Sample Dates: 12/23/2014 - 12/30/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			I-131	<4.38E-02	0.00E+00	4.38E-02
			Cs-134	<1.83E-02	0.00E+00	1.83E-02
			Cs-137	<3.73E-02	0.00E+00	3.73E-02
			Be-7	<1.42E-01	0.00E+00	1.42E-01
			K-40	1.17E+00	6.03E-01	6.74E-01

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

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

Sample Point 203 [INDICATOR - SSW @ 2 miles]

Sample ID: 280654 Sample Dates: 12/31/2013 - 1/7/2014

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.35E-02	0.00E+00	4.35E-02
Cs-134	<2.63E-02	0.00E+00	2.63E-02
Cs-137	<3.46E-02	0.00E+00	3.46E-02
Be-7	<2.57E-01	0.00E+00	2.57E-01
K-40	6.36E-01	2.49E-01	4.41E-01

Sample ID: 280827 Sample Dates: 1/7/2014 - 1/14/2014

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.54E-02	0.00E+00	4.54E-02
Cs-134	<3.40E-02	0.00E+00	3.40E-02
Cs-137	<4.01E-02	0.00E+00	4.01E-02
Be-7	<2.44E-01	0.00E+00	2.44E-01
K-40	8.86E-01	2.92E-01	5.76E-01

Sample ID: 281186 Sample Dates: 1/14/2014 - 1/21/2014

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.62E-02	0.00E+00	2.62E-02
Cs-134	<1.92E-02	0.00E+00	1.92E-02
Cs-137	<2.02E-02	0.00E+00	2.02E-02
Be-7	<1.79E-01	0.00E+00	1.79E-01
K-40	1.06E+00	2.19E-01	3.37E-01

Sample ID: 281507 Sample Dates: 1/21/2014 - 1/28/2014

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.46E-02	0.00E+00	5.46E-02
Cs-134	<3.90E-02	0.00E+00	3.90E-02
Cs-137	<2.99E-02	0.00E+00	2.99E-02
Be-7	<3.45E-01	0.00E+00	3.45E-01
K-40	8.18E-01	2.19E-01	5.55E-01

Sample ID: 282130 Sample Dates: 1/28/2014 - 2/4/2014

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.25E-02	0.00E+00	4.25E-02
Cs-134	<2.94E-02	0.00E+00	2.94E-02
Cs-137	<3.40E-02	0.00E+00	3.40E-02
Be-7	<1.94E-01	0.00E+00	1.94E-01
K-40	<1.18E+00	0.00E+00	1.18E+00

Sample ID: 282942 Sample Dates: 2/4/2014 - 2/11/2014

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<6.95E-02	0.00E+00	6.95E-02
Cs-134	<2.48E-02	0.00E+00	2.48E-02
Cs-137	<4.48E-02	0.00E+00	4.48E-02
Be-7	<3.04E-01	0.00E+00	3.04E-01
K-40	1.04E+00	2.32E-01	1.40E-01

Sample ID: 283389 Sample Dates: 2/11/2014 - 2/18/2014

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.30E-02	0.00E+00	2.30E-02
Cs-134	<1.90E-02	0.00E+00	1.90E-02
Cs-137	<2.02E-02	0.00E+00	2.02E-02
Be-7	<1.19E-01	0.00E+00	1.19E-01
K-40	1.05E+00	2.26E-01	3.22E-01

Sample ID: 284556 Sample Dates: 2/18/2014 - 2/25/2014

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.30E-02	0.00E+00	5.30E-02
Cs-134	<4.14E-02	0.00E+00	4.14E-02
Cs-137	<4.10E-02	0.00E+00	4.10E-02
Be-7	<2.61E-01	0.00E+00	2.61E-01
K-40	<9.26E-01	0.00E+00	9.26E-01

Sample ID: 285117 Sample Dates: 2/25/2014 - 3/4/2014

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.20E-02	0.00E+00	3.20E-02
Cs-134	<2.34E-02	0.00E+00	2.34E-02
Cs-137	<2.44E-02	0.00E+00	2.44E-02
Be-7	<2.42E-01	0.00E+00	2.42E-01
K-40	<8.58E-01	0.00E+00	8.58E-01

Sample ID: 285722 Sample Dates: 3/4/2014 - 3/11/2014

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.71E-02	0.00E+00	4.71E-02
Cs-134	<3.24E-02	0.00E+00	3.24E-02
Cs-137	<3.49E-02	0.00E+00	3.49E-02
Be-7	<2.37E-01	0.00E+00	2.37E-01

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 203 [INDICATOR - SSW @ 2 miles]

Sample ID:	285722	Sample Dates: 3/4/2014 - 3/11/2014	Nuclide	Activity	Sigma Error [1]	LLD
			K-40	8.64E-01	2.23E-01	4.17E-01
Sample ID:	286226	Sample Dates: 3/11/2014 - 3/18/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.09E-02	0.00E+00	4.09E-02
			Cs-134	<3.29E-02	0.00E+00	3.29E-02
			Cs-137	<4.43E-02	0.00E+00	4.43E-02
			Be-7	<2.72E-01	0.00E+00	2.72E-01
			K-40	<8.70E-01	0.00E+00	8.70E-01
Sample ID:	287111	Sample Dates: 3/18/2014 - 3/25/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<6.22E-02	0.00E+00	6.22E-02
			Cs-134	<2.75E-02	0.00E+00	2.75E-02
			Cs-137	<3.59E-02	0.00E+00	3.59E-02
			Be-7	<2.78E-01	0.00E+00	2.78E-01
			K-40	<8.68E-01	0.00E+00	8.68E-01
Sample ID:	288362	Sample Dates: 3/25/2014 - 4/1/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<2.46E-02	0.00E+00	2.46E-02
			Cs-134	<2.60E-02	0.00E+00	2.60E-02
			Cs-137	<3.48E-02	0.00E+00	3.48E-02
			Be-7	<2.01E-01	0.00E+00	2.01E-01
			K-40	7.35E-01	1.78E-01	3.61E-01
Sample ID:	289086	Sample Dates: 4/1/2014 - 4/8/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<2.72E-02	0.00E+00	2.72E-02
			Cs-134	<1.92E-02	0.00E+00	1.92E-02
			Cs-137	<2.15E-02	0.00E+00	2.15E-02
			Be-7	<1.26E-01	0.00E+00	1.26E-01
			K-40	7.36E-01	1.42E-01	3.02E-01
Sample ID:	289472	Sample Dates: 4/8/2014 - 4/15/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<5.08E-02	0.00E+00	5.08E-02
			Cs-134	<3.21E-02	0.00E+00	3.21E-02
			Cs-137	<5.58E-02	0.00E+00	5.58E-02
			Be-7	<3.89E-01	0.00E+00	3.89E-01
			K-40	<1.04E+00	0.00E+00	1.04E+00
Sample ID:	289882	Sample Dates: 4/15/2014 - 4/22/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<1.61E-02	0.00E+00	1.61E-02
			Cs-134	<2.28E-02	0.00E+00	2.28E-02
			Cs-137	<2.48E-02	0.00E+00	2.48E-02
			Be-7	<1.53E-01	0.00E+00	1.53E-01
			K-40	2.01E-01	1.90E-01	1.98E-01
Sample ID:	291487	Sample Dates: 4/22/2014 - 4/29/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<2.42E-02	0.00E+00	2.42E-02
			Cs-134	<1.71E-02	0.00E+00	1.71E-02
			Cs-137	<1.44E-02	0.00E+00	1.44E-02
			Be-7	<1.33E-01	0.00E+00	1.33E-01
			K-40	1.25E+00	1.70E-01	1.68E-01
Sample ID:	292781	Sample Dates: 4/29/2014 - 5/6/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.74E-02	0.00E+00	3.74E-02
			Cs-134	<2.32E-02	0.00E+00	2.32E-02
			Cs-137	<3.69E-02	0.00E+00	3.69E-02
			Be-7	<1.73E-01	0.00E+00	1.73E-01
			K-40	<1.01E+00	0.00E+00	1.01E+00
Sample ID:	293043	Sample Dates: 5/6/2014 - 5/13/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<2.64E-02	0.00E+00	2.64E-02
			Cs-134	<2.02E-02	0.00E+00	2.02E-02
			Cs-137	<1.74E-02	0.00E+00	1.74E-02
			Be-7	<1.62E-01	0.00E+00	1.62E-01
			K-40	9.31E-01	1.65E-01	2.04E-01
Sample ID:	294674	Sample Dates: 5/13/2014 - 5/20/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.19E-02	0.00E+00	3.19E-02
			Cs-134	<3.00E-02	0.00E+00	3.00E-02

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 203 [INDICATOR - SSW @ 2 miles]

Sample ID: 294674 **Sample Dates: 5/13/2014 - 5/20/2014**

Nuclide	Activity	Sigma Error [1]	LLD
Cs-137	<3.37E-02	0.00E+00	3.37E-02
Be-7	<2.27E-01	0.00E+00	2.27E-01
K-40	9.98E-01	2.78E-01	3.59E-01

Sample ID: 295183 **Sample Dates: 5/20/2014 - 5/27/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<6.81E-02	0.00E+00	6.81E-02
Cs-134	<3.26E-02	0.00E+00	3.26E-02
Cs-137	<4.30E-02	0.00E+00	4.30E-02
Be-7	<3.18E-01	0.00E+00	3.18E-01
K-40	9.91E-01	2.34E-01	1.49E-01

Sample ID: 295444 **Sample Dates: 5/27/2014 - 6/3/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.04E-02	0.00E+00	5.04E-02
Cs-134	<2.95E-02	0.00E+00	2.95E-02
Cs-137	<5.71E-02	0.00E+00	5.71E-02
Be-7	<2.33E-01	0.00E+00	2.33E-01
K-40	<1.22E+00	0.00E+00	1.22E+00

Sample ID: 295959 **Sample Dates: 6/3/2014 - 6/10/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.52E-02	0.00E+00	2.52E-02
Cs-134	<2.36E-02	0.00E+00	2.36E-02
Cs-137	<2.05E-02	0.00E+00	2.05E-02
Be-7	<1.48E-01	0.00E+00	1.48E-01
K-40	9.48E-01	2.00E-01	4.27E-01

Sample ID: 296204 **Sample Dates: 6/10/2014 - 6/17/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.43E-02	0.00E+00	2.43E-02
Cs-134	<1.67E-02	0.00E+00	1.67E-02
Cs-137	<1.96E-02	0.00E+00	1.96E-02
Be-7	<1.41E-01	0.00E+00	1.41E-01
K-40	1.41E+00	1.85E-01	2.37E-01

Sample ID: 296725 **Sample Dates: 6/17/2014 - 6/24/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.46E-02	0.00E+00	2.46E-02
Cs-134	<1.97E-02	0.00E+00	1.97E-02
Cs-137	<1.86E-02	0.00E+00	1.86E-02
Be-7	<1.52E-01	0.00E+00	1.52E-01
K-40	1.35E+00	2.02E-01	1.78E-01

Sample ID: 296952 **Sample Dates: 6/24/2014 - 7/1/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<6.96E-02	0.00E+00	6.96E-02
Cs-134	<2.88E-02	0.00E+00	2.88E-02
Cs-137	<3.20E-02	0.00E+00	3.20E-02
Be-7	<2.80E-01	0.00E+00	2.80E-01
K-40	9.66E-01	3.22E-01	4.91E-01

Sample ID: 297349 **Sample Dates: 7/1/2014 - 7/8/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.09E-02	0.00E+00	4.09E-02
Cs-134	<4.02E-02	0.00E+00	4.02E-02
Cs-137	<3.15E-02	0.00E+00	3.15E-02
Be-7	<2.87E-01	0.00E+00	2.87E-01
K-40	4.66E-01	1.65E-01	1.57E-01

Sample ID: 297637 **Sample Dates: 7/8/2014 - 7/15/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.44E-02	0.00E+00	5.44E-02
Cs-134	<1.85E-02	0.00E+00	1.85E-02
Cs-137	<1.89E-02	0.00E+00	1.89E-02
Be-7	<1.23E-01	0.00E+00	1.23E-01
K-40	1.35E+00	3.86E-01	6.77E-02

Sample ID: 298173 **Sample Dates: 7/15/2014 - 7/22/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.01E-02	0.00E+00	5.01E-02
Cs-134	<2.12E-02	0.00E+00	2.12E-02
Cs-137	<3.84E-02	0.00E+00	3.84E-02
Be-7	<2.26E-01	0.00E+00	2.26E-01
K-40	9.78E-01	6.52E-01	8.68E-01

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 203 [INDICATOR - SSW @ 2 miles]

Sample ID: 350671 **Sample Dates: 7/22/2014 - 7/29/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.82E-02	0.00E+00	4.82E-02
Cs-134	<1.94E-02	0.00E+00	1.94E-02
Cs-137	<1.87E-02	0.00E+00	1.87E-02
Be-7	<1.89E-01	0.00E+00	1.89E-01
K-40	6.74E-01	3.66E-01	4.18E-01

Sample ID: 350951 **Sample Dates: 7/29/2014 - 8/5/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.09E-02	0.00E+00	4.09E-02
Cs-134	<3.07E-02	0.00E+00	3.07E-02
Cs-137	<3.31E-02	0.00E+00	3.31E-02
Be-7	<2.93E-01	0.00E+00	2.93E-01
K-40	8.84E-01	5.14E-01	5.16E-01

Sample ID: 351504 **Sample Dates: 8/5/2014 - 8/12/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.45E-02	0.00E+00	3.45E-02
Cs-134	<3.74E-02	0.00E+00	3.74E-02
Cs-137	<3.73E-02	0.00E+00	3.73E-02
Be-7	<2.58E-01	0.00E+00	2.58E-01
K-40	4.71E-01	3.80E-01	4.88E-01

Sample ID: 353366 **Sample Dates: 8/12/2014 - 8/19/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.35E-02	0.00E+00	4.35E-02
Cs-134	<9.00E-03	0.00E+00	9.00E-03
Cs-137	<7.03E-03	0.00E+00	7.03E-03
Be-7	<6.39E-02	0.00E+00	6.39E-02
K-40	8.09E-01	1.53E-01	1.32E-01

Sample ID: 353936 **Sample Dates: 8/19/2014 - 8/26/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.71E-02	0.00E+00	2.71E-02
Cs-134	<2.44E-02	0.00E+00	2.44E-02
Cs-137	<2.16E-02	0.00E+00	2.16E-02
Be-7	<1.29E-01	0.00E+00	1.29E-01
K-40	<1.84E-01	0.00E+00	1.84E-01

Sample ID: 354381 **Sample Dates: 8/26/2014 - 9/2/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.59E-02	0.00E+00	5.59E-02
Cs-134	<9.87E-03	0.00E+00	9.87E-03
Cs-137	<1.41E-02	0.00E+00	1.41E-02
Be-7	<1.27E-01	0.00E+00	1.27E-01
K-40	7.76E-01	2.45E-01	2.55E-01

Sample ID: 354697 **Sample Dates: 9/2/2014 - 9/9/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.29E-02	0.00E+00	2.29E-02
Cs-134	<2.24E-02	0.00E+00	2.24E-02
Cs-137	<2.13E-02	0.00E+00	2.13E-02
Be-7	<1.37E-01	0.00E+00	1.37E-01
K-40	1.01E+00	3.71E-01	3.53E-01

Sample ID: 355023 **Sample Dates: 9/9/2014 - 9/16/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.81E-02	0.00E+00	2.81E-02
Cs-134	<1.45E-02	0.00E+00	1.45E-02
Cs-137	<1.74E-02	0.00E+00	1.74E-02
Be-7	<1.08E-01	0.00E+00	1.08E-01
K-40	7.24E-01	2.34E-01	1.97E-01

Sample ID: 355556 **Sample Dates: 9/16/2014 - 9/23/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.95E-02	0.00E+00	2.95E-02
Cs-134	<2.11E-02	0.00E+00	2.11E-02
Cs-137	<3.85E-02	0.00E+00	3.85E-02
Be-7	<2.09E-01	0.00E+00	2.09E-01
K-40	1.27E+00	5.63E-01	1.64E-01

Sample ID: 356372 **Sample Dates: 9/23/2014 - 9/30/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.83E-02	0.00E+00	4.83E-02
Cs-134	<2.12E-02	0.00E+00	2.12E-02
Cs-137	<3.87E-02	0.00E+00	3.87E-02
Be-7	<2.46E-01	0.00E+00	2.46E-01

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 203 [INDICATOR - SSW @ 2 miles]

Sample ID: 356372 **Sample Dates: 9/23/2014 - 9/30/2014**

Nuclide	Activity	Sigma Error [1]	LLD
K-40	1.03E+00	5.08E-01	1.64E-01

Sample ID: 356967 **Sample Dates: 9/30/2014 - 10/7/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.14E-02	0.00E+00	4.14E-02
Cs-134	<2.97E-02	0.00E+00	2.97E-02
Cs-137	<4.24E-02	0.00E+00	4.24E-02
Be-7	<2.83E-01	0.00E+00	2.83E-01
K-40	<9.87E-01	0.00E+00	9.87E-01

Sample ID: 357973 **Sample Dates: 10/7/2014 - 10/14/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.75E-02	0.00E+00	4.75E-02
Cs-134	<2.67E-02	0.00E+00	2.67E-02
Cs-137	<3.33E-02	0.00E+00	3.33E-02
Be-7	<3.41E-01	0.00E+00	3.41E-01
K-40	7.86E-01	4.41E-01	1.64E-01

Sample ID: 358596 **Sample Dates: 10/14/2014 - 10/21/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<1.70E-02	0.00E+00	1.70E-02
Cs-134	<1.70E-02	0.00E+00	1.70E-02
Cs-137	<2.13E-02	0.00E+00	2.13E-02
Be-7	<1.25E-01	0.00E+00	1.25E-01
K-40	8.98E-01	3.30E-01	2.62E-01

Sample ID: 359200 **Sample Dates: 10/21/2014 - 10/28/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.20E-02	0.00E+00	2.20E-02
Cs-134	<1.89E-02	0.00E+00	1.89E-02
Cs-137	<2.09E-02	0.00E+00	2.09E-02
Be-7	<1.73E-01	0.00E+00	1.73E-01
K-40	1.12E+00	3.68E-01	2.39E-01

Sample ID: 359955 **Sample Dates: 10/28/2014 - 11/4/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.01E-02	0.00E+00	2.01E-02
Cs-134	<1.79E-02	0.00E+00	1.79E-02
Cs-137	<2.23E-02	0.00E+00	2.23E-02
Be-7	<1.43E-01	0.00E+00	1.43E-01
K-40	8.82E-01	3.80E-01	4.28E-01

Sample ID: 360646 **Sample Dates: 11/4/2014 - 11/11/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.33E-02	0.00E+00	2.33E-02
Cs-134	<2.28E-02	0.00E+00	2.28E-02
Cs-137	<2.34E-02	0.00E+00	2.34E-02
Be-7	<1.84E-01	0.00E+00	1.84E-01
K-40	1.01E+00	3.88E-01	3.29E-01

Sample ID: 361514 **Sample Dates: 11/11/2014 - 11/18/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.89E-02	0.00E+00	4.89E-02
Cs-134	<3.21E-02	0.00E+00	3.21E-02
Cs-137	<4.46E-02	0.00E+00	4.46E-02
Be-7	<3.09E-01	0.00E+00	3.09E-01
K-40	<1.14E+00	0.00E+00	1.14E+00

Sample ID: 361899 **Sample Dates: 11/18/2014 - 11/25/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.59E-02	0.00E+00	5.59E-02
Cs-134	<2.38E-02	0.00E+00	2.38E-02
Cs-137	<2.35E-02	0.00E+00	2.35E-02
Be-7	<2.80E-01	0.00E+00	2.80E-01
K-40	<1.15E+00	0.00E+00	1.15E+00

Sample ID: 362708 **Sample Dates: 11/25/2014 - 12/2/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.97E-02	0.00E+00	4.97E-02
Cs-134	<2.31E-02	0.00E+00	2.31E-02
Cs-137	<3.27E-02	0.00E+00	3.27E-02
Be-7	<1.36E-01	0.00E+00	1.36E-01
K-40	8.99E-01	3.98E-01	4.29E-01

Sample ID: 363457 **Sample Dates: 12/2/2014 - 12/9/2014**

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

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

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

Sample Point 203 [INDICATOR - SSW @ 2 miles]

Sample ID:	363457	Sample Dates: 12/2/2014 - 12/9/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Cs-137	<1.44E-02	0.00E+00	1.44E-02
			Be-7	<1.24E-01	0.00E+00	1.24E-01
			K-40	6.75E-01	2.53E-01	6.09E-02
Sample ID:	363909	Sample Dates: 12/9/2014 - 12/16/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.45E-02	0.00E+00	3.45E-02
			Cs-134	<2.64E-02	0.00E+00	2.64E-02
			Cs-137	<2.26E-02	0.00E+00	2.26E-02
			Be-7	<1.93E-01	0.00E+00	1.93E-01
			K-40	8.26E-01	3.54E-01	2.96E-01
Sample ID:	364424	Sample Dates: 12/16/2014 - 12/23/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<5.27E-02	0.00E+00	5.27E-02
			Cs-134	<2.79E-02	0.00E+00	2.79E-02
			Cs-137	<4.06E-02	0.00E+00	4.06E-02
			Be-7	<2.04E-01	0.00E+00	2.04E-01
			K-40	1.01E+00	4.72E-01	4.97E-01
Sample ID:	364882	Sample Dates: 12/23/2014 - 12/30/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<2.21E-02	0.00E+00	2.21E-02
			Cs-134	<2.42E-02	0.00E+00	2.42E-02
			Cs-137	<7.64E-03	0.00E+00	7.64E-03
			Be-7	<1.62E-01	0.00E+00	1.62E-01
			K-40	8.99E-01	4.90E-01	5.23E-01

Sample Point 204 [CONTROL - NNE @ 22.4 miles]

Sample ID:	280655	Sample Dates: 12/31/2013 - 1/7/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.89E-02	0.00E+00	3.89E-02
			Cs-134	<4.32E-02	0.00E+00	4.32E-02
			Cs-137	<4.82E-02	0.00E+00	4.82E-02
			Be-7	<2.72E-01	0.00E+00	2.72E-01
			K-40	9.52E-01	2.38E-01	4.46E-01
Sample ID:	280828	Sample Dates: 1/7/2014 - 1/14/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.27E-02	0.00E+00	3.27E-02
			Cs-134	<1.64E-02	0.00E+00	1.64E-02
			Cs-137	<3.47E-02	0.00E+00	3.47E-02
			Be-7	<1.95E-01	0.00E+00	1.95E-01
			K-40	1.04E+00	2.70E-01	4.70E-01
Sample ID:	281187	Sample Dates: 1/14/2014 - 1/21/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<2.67E-02	0.00E+00	2.67E-02
			Cs-134	<1.94E-02	0.00E+00	1.94E-02
			Cs-137	<2.63E-02	0.00E+00	2.63E-02
			Be-7	<1.81E-01	0.00E+00	1.81E-01
			K-40	8.92E-01	2.24E-01	2.91E-01
Sample ID:	281508	Sample Dates: 1/21/2014 - 1/28/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<6.39E-02	0.00E+00	6.39E-02
			Cs-134	<3.59E-02	0.00E+00	3.59E-02
			Cs-137	<4.51E-02	0.00E+00	4.51E-02
			Be-7	<3.13E-01	0.00E+00	3.13E-01
			K-40	<1.33E+00	0.00E+00	1.33E+00
Sample ID:	282131	Sample Dates: 1/28/2014 - 2/4/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.08E-02	0.00E+00	4.08E-02
			Cs-134	<3.44E-02	0.00E+00	3.44E-02
			Cs-137	<4.36E-02	0.00E+00	4.36E-02
			Be-7	<2.99E-01	0.00E+00	2.99E-01
			K-40	6.64E-01	2.00E-01	1.63E-01
Sample ID:	282943	Sample Dates: 2/4/2014 - 2/11/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.19E-02	0.00E+00	3.19E-02
			Cs-134	<1.41E-02	0.00E+00	1.41E-02
			Cs-137	<1.45E-02	0.00E+00	1.45E-02
			Be-7	<8.93E-02	0.00E+00	8.93E-02
			K-40	8.70E-01	1.34E-01	1.86E-01

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 204 [CONTROL - NNE @ 22.4 miles]

Sample ID: 283390 **Sample Dates: 2/11/2014 - 2/18/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.47E-02	0.00E+00	2.47E-02
Cs-134	<1.89E-02	0.00E+00	1.89E-02
Cs-137	<1.95E-02	0.00E+00	1.95E-02
Be-7	<1.35E-01	0.00E+00	1.35E-01
K-40	<8.17E-01	0.00E+00	8.17E-01

Sample ID: 284557 **Sample Dates: 2/18/2014 - 2/25/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.16E-02	0.00E+00	5.16E-02
Cs-134	<3.62E-02	0.00E+00	3.62E-02
Cs-137	<5.18E-02	0.00E+00	5.18E-02
Be-7	<2.79E-01	0.00E+00	2.79E-01
K-40	<1.33E+00	0.00E+00	1.33E+00

Sample ID: 285118 **Sample Dates: 2/25/2014 - 3/4/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.34E-02	0.00E+00	5.34E-02
Cs-134	<3.91E-02	0.00E+00	3.91E-02
Cs-137	<4.01E-02	0.00E+00	4.01E-02
Be-7	<2.41E-01	0.00E+00	2.41E-01
K-40	4.85E-01	3.06E-01	1.64E-01

Sample ID: 285723 **Sample Dates: 3/4/2014 - 3/11/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.97E-02	0.00E+00	5.97E-02
Cs-134	<3.23E-02	0.00E+00	3.23E-02
Cs-137	<5.45E-02	0.00E+00	5.45E-02
Be-7	<3.84E-01	0.00E+00	3.84E-01
K-40	1.28E+00	2.79E-01	4.40E-01

Sample ID: 286227 **Sample Dates: 3/11/2014 - 3/18/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.30E-02	0.00E+00	3.30E-02
Cs-134	<2.30E-02	0.00E+00	2.30E-02
Cs-137	<2.16E-02	0.00E+00	2.16E-02
Be-7	<2.01E-01	0.00E+00	2.01E-01
K-40	8.60E-01	1.88E-01	1.11E-01

Sample ID: 287112 **Sample Dates: 3/18/2014 - 3/25/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.82E-02	0.00E+00	3.82E-02
Cs-134	<2.23E-02	0.00E+00	2.23E-02
Cs-137	<2.66E-02	0.00E+00	2.66E-02
Be-7	<7.93E-02	0.00E+00	7.93E-02
K-40	<8.32E-01	0.00E+00	8.32E-01

Sample ID: 288363 **Sample Dates: 3/25/2014 - 4/1/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.43E-02	0.00E+00	5.43E-02
Cs-134	<3.49E-02	0.00E+00	3.49E-02
Cs-137	<3.00E-02	0.00E+00	3.00E-02
Be-7	<3.44E-01	0.00E+00	3.44E-01
K-40	1.08E+00	2.53E-01	1.61E-01

Sample ID: 289087 **Sample Dates: 4/1/2014 - 4/8/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.57E-02	0.00E+00	4.57E-02
Cs-134	<3.77E-02	0.00E+00	3.77E-02
Cs-137	<3.11E-02	0.00E+00	3.11E-02
Be-7	<1.18E-01	0.00E+00	1.18E-01
K-40	1.30E+00	2.54E-01	1.35E-01

Sample ID: 289473 **Sample Dates: 4/8/2014 - 4/15/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.92E-02	0.00E+00	4.92E-02
Cs-134	<4.31E-02	0.00E+00	4.31E-02
Cs-137	<3.71E-02	0.00E+00	3.71E-02
Be-7	<3.07E-01	0.00E+00	3.07E-01
K-40	1.07E+00	2.52E-01	1.60E-01

Sample ID: 289883 **Sample Dates: 4/15/2014 - 4/22/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.87E-02	0.00E+00	4.87E-02
Cs-134	<3.66E-02	0.00E+00	3.66E-02
Cs-137	<3.26E-02	0.00E+00	3.26E-02
Be-7	<2.36E-01	0.00E+00	2.36E-01

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

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

Sample Point 204 [CONTROL - NNE @ 22.4 miles]

Sample ID: 283390 **Sample Dates: 2/11/2014 - 2/18/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.47E-02	0.00E+00	2.47E-02
Cs-134	<1.89E-02	0.00E+00	1.89E-02
Cs-137	<1.95E-02	0.00E+00	1.95E-02
Be-7	<1.35E-01	0.00E+00	1.35E-01
K-40	<8.17E-01	0.00E+00	8.17E-01

Sample ID: 284557 **Sample Dates: 2/18/2014 - 2/25/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.16E-02	0.00E+00	5.16E-02
Cs-134	<3.62E-02	0.00E+00	3.62E-02
Cs-137	<5.18E-02	0.00E+00	5.18E-02
Be-7	<2.79E-01	0.00E+00	2.79E-01
K-40	<1.33E+00	0.00E+00	1.33E+00

Sample ID: 285118 **Sample Dates: 2/25/2014 - 3/4/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.34E-02	0.00E+00	5.34E-02
Cs-134	<3.91E-02	0.00E+00	3.91E-02
Cs-137	<4.01E-02	0.00E+00	4.01E-02
Be-7	<2.41E-01	0.00E+00	2.41E-01
K-40	4.85E-01	3.06E-01	1.64E-01

Sample ID: 285723 **Sample Dates: 3/4/2014 - 3/11/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.97E-02	0.00E+00	5.97E-02
Cs-134	<3.23E-02	0.00E+00	3.23E-02
Cs-137	<5.45E-02	0.00E+00	5.45E-02
Be-7	<3.84E-01	0.00E+00	3.84E-01
K-40	1.28E+00	2.79E-01	4.40E-01

Sample ID: 286227 **Sample Dates: 3/11/2014 - 3/18/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.30E-02	0.00E+00	3.30E-02
Cs-134	<2.30E-02	0.00E+00	2.30E-02
Cs-137	<2.16E-02	0.00E+00	2.16E-02
Be-7	<2.01E-01	0.00E+00	2.01E-01
K-40	8.60E-01	1.88E-01	1.11E-01

Sample ID: 287112 **Sample Dates: 3/18/2014 - 3/25/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.82E-02	0.00E+00	3.82E-02
Cs-134	<2.23E-02	0.00E+00	2.23E-02
Cs-137	<2.66E-02	0.00E+00	2.66E-02
Be-7	<7.93E-02	0.00E+00	7.93E-02
K-40	<8.32E-01	0.00E+00	8.32E-01

Sample ID: 288363 **Sample Dates: 3/25/2014 - 4/1/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.43E-02	0.00E+00	5.43E-02
Cs-134	<3.49E-02	0.00E+00	3.49E-02
Cs-137	<3.00E-02	0.00E+00	3.00E-02
Be-7	<3.44E-01	0.00E+00	3.44E-01
K-40	1.08E+00	2.53E-01	1.61E-01

Sample ID: 289087 **Sample Dates: 4/1/2014 - 4/8/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.57E-02	0.00E+00	4.57E-02
Cs-134	<3.77E-02	0.00E+00	3.77E-02
Cs-137	<3.11E-02	0.00E+00	3.11E-02
Be-7	<1.18E-01	0.00E+00	1.18E-01
K-40	1.30E+00	2.54E-01	1.35E-01

Sample ID: 289473 **Sample Dates: 4/8/2014 - 4/15/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.92E-02	0.00E+00	4.92E-02
Cs-134	<4.31E-02	0.00E+00	4.31E-02
Cs-137	<3.71E-02	0.00E+00	3.71E-02
Be-7	<3.07E-01	0.00E+00	3.07E-01
K-40	1.07E+00	2.52E-01	1.60E-01

Sample ID: 289883 **Sample Dates: 4/15/2014 - 4/22/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.87E-02	0.00E+00	4.87E-02
Cs-134	<3.66E-02	0.00E+00	3.66E-02
Cs-137	<3.26E-02	0.00E+00	3.26E-02
Be-7	<2.36E-01	0.00E+00	2.36E-01

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 204 [CONTROL - NNE @ 22.4 miles]

Sample ID:	289883	Sample Dates: 4/15/2014 - 4/22/2014	Nuclide	Activity	Sigma Error [1]	LLD
			K-40	<1.13E+00	0.00E+00	1.13E+00
Sample ID:	**291488**	**Sample Dates: 4/22/2014 - 4/29/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			I-131	<2.26E-02	0.00E+00	2.26E-02
			Cs-134	<4.93E-03	0.00E+00	4.93E-03
			Cs-137	<2.61E-02	0.00E+00	2.61E-02
			Be-7	<2.41E-01	0.00E+00	2.41E-01
			K-40	<7.03E-01	0.00E+00	7.03E-01
Sample ID:	**292782**	**Sample Dates: 4/29/2014 - 5/6/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			I-131	<3.00E-02	0.00E+00	3.00E-02
			Cs-134	<2.19E-02	0.00E+00	2.19E-02
			Cs-137	<3.00E-02	0.00E+00	3.00E-02
			Be-7	<1.34E-01	0.00E+00	1.34E-01
			K-40	<7.48E-01	0.00E+00	7.48E-01
Sample ID:	**293044**	**Sample Dates: 5/6/2014 - 5/13/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			I-131	<3.32E-02	0.00E+00	3.32E-02
			Cs-134	<2.66E-02	0.00E+00	2.66E-02
			Cs-137	<2.34E-02	0.00E+00	2.34E-02
			Be-7	<1.80E-01	0.00E+00	1.80E-01
			K-40	9.17E-01	2.20E-01	3.44E-01
Sample ID:	**294675**	**Sample Dates: 5/13/2014 - 5/20/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			I-131	<5.11E-02	0.00E+00	5.11E-02
			Cs-134	<3.85E-02	0.00E+00	3.85E-02
			Cs-137	<4.13E-02	0.00E+00	4.13E-02
			Be-7	<1.53E-01	0.00E+00	1.53E-01
			K-40	1.03E+00	3.02E-01	6.37E-01
Sample ID:	**295184**	**Sample Dates: 5/20/2014 - 5/27/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			I-131	<6.75E-02	0.00E+00	6.75E-02
			Cs-134	<3.40E-02	0.00E+00	3.40E-02
			Cs-137	<4.74E-02	0.00E+00	4.74E-02
			Be-7	<3.00E-01	0.00E+00	3.00E-01
			K-40	1.00E+00	2.43E-01	7.50E-01
Sample ID:	**295445**	**Sample Dates: 5/27/2014 - 6/3/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			I-131	<6.81E-02	0.00E+00	6.81E-02
			Cs-134	<3.29E-02	0.00E+00	3.29E-02
			Cs-137	<3.46E-02	0.00E+00	3.46E-02
			Be-7	<2.84E-01	0.00E+00	2.84E-01
			K-40	1.06E+00	2.50E-01	6.80E-01
Sample ID:	**295960**	**Sample Dates: 6/3/2014 - 6/10/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			I-131	<3.12E-02	0.00E+00	3.12E-02
			Cs-134	<1.91E-02	0.00E+00	1.91E-02
			Cs-137	<2.94E-02	0.00E+00	2.94E-02
			Be-7	<1.07E-01	0.00E+00	1.07E-01
			K-40	1.08E+00	2.08E-01	1.08E-01
Sample ID:	**296205**	**Sample Dates: 6/10/2014 - 6/17/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			I-131	<2.09E-02	0.00E+00	2.09E-02
			Cs-134	<1.93E-02	0.00E+00	1.93E-02
			Cs-137	<2.98E-02	0.00E+00	2.98E-02
			Be-7	<1.93E-01	0.00E+00	1.93E-01
			K-40	7.19E-01	1.69E-01	1.08E-01
Sample ID:	**296726**	**Sample Dates: 6/17/2014 - 6/24/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			I-131	<2.98E-02	0.00E+00	2.98E-02
			Cs-134	<2.42E-02	0.00E+00	2.42E-02
			Cs-137	<2.19E-02	0.00E+00	2.19E-02
			Be-7	<1.65E-01	0.00E+00	1.65E-01
			K-40	<8.29E-01	0.00E+00	8.29E-01
Sample ID:	**296953**	**Sample Dates: 6/24/2014 - 7/1/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			I-131	<6.20E-02	0.00E+00	6.20E-02
			Cs-134	<2.67E-02	0.00E+00	2.67E-02

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 204 [CONTROL - NNE @ 22.4 miles]

Sample ID: 296953 **Sample Dates: 6/24/2014 - 7/1/2014**

Nuclide	Activity	Sigma Error [1]	LLD
Cs-137	<2.98E-02	0.00E+00	2.98E-02
Be-7	<2.27E-01	0.00E+00	2.27E-01
K-40	9.03E-01	1.88E-01	2.83E-01

Sample ID: 297350 **Sample Dates: 7/1/2014 - 7/8/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.12E-02	0.00E+00	4.12E-02
Cs-134	<3.87E-02	0.00E+00	3.87E-02
Cs-137	<4.83E-02	0.00E+00	4.83E-02
Be-7	<3.00E-01	0.00E+00	3.00E-01
K-40	8.83E-01	2.28E-01	1.59E-01

Sample ID: 297638 **Sample Dates: 7/8/2014 - 7/15/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.02E-02	0.00E+00	5.02E-02
Cs-134	<1.65E-02	0.00E+00	1.65E-02
Cs-137	<2.05E-02	0.00E+00	2.05E-02
Be-7	<1.32E-01	0.00E+00	1.32E-01
K-40	9.87E-01	3.62E-01	3.20E-01

Sample ID: 298174 **Sample Dates: 7/15/2014 - 7/22/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.41E-02	0.00E+00	5.41E-02
Cs-134	<1.82E-02	0.00E+00	1.82E-02
Cs-137	<3.15E-02	0.00E+00	3.15E-02
Be-7	<1.72E-01	0.00E+00	1.72E-01
K-40	7.31E-01	4.27E-01	5.46E-01

Sample ID: 350672 **Sample Dates: 7/22/2014 - 7/29/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.32E-02	0.00E+00	5.32E-02
Cs-134	<3.73E-02	0.00E+00	3.73E-02
Cs-137	<2.42E-02	0.00E+00	2.42E-02
Be-7	<2.64E-01	0.00E+00	2.64E-01
K-40	<1.21E+00	0.00E+00	1.21E+00

Sample ID: 350952 **Sample Dates: 7/29/2014 - 8/5/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.58E-02	0.00E+00	4.58E-02
Cs-134	<3.50E-02	0.00E+00	3.50E-02
Cs-137	<3.37E-02	0.00E+00	3.37E-02
Be-7	<2.12E-01	0.00E+00	2.12E-01
K-40	<1.23E+00	0.00E+00	1.23E+00

Sample ID: 351505 **Sample Dates: 8/5/2014 - 8/12/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.13E-02	0.00E+00	4.13E-02
Cs-134	<3.14E-02	0.00E+00	3.14E-02
Cs-137	<3.92E-02	0.00E+00	3.92E-02
Be-7	<2.49E-01	0.00E+00	2.49E-01
K-40	1.47E+00	6.14E-01	1.66E-01

Sample ID: 353367 **Sample Dates: 8/12/2014 - 8/19/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.39E-02	0.00E+00	5.39E-02
Cs-134	<1.12E-02	0.00E+00	1.12E-02
Cs-137	<1.00E-02	0.00E+00	1.00E-02
Be-7	<9.38E-02	0.00E+00	9.38E-02
K-40	1.14E+00	2.13E-01	1.78E-01

Sample ID: 353937 **Sample Dates: 8/19/2014 - 8/26/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.77E-02	0.00E+00	4.77E-02
Cs-134	<2.14E-02	0.00E+00	2.14E-02
Cs-137	<1.52E-02	0.00E+00	1.52E-02
Be-7	<1.47E-01	0.00E+00	1.47E-01
K-40	7.90E-01	2.79E-01	3.02E-01

Sample ID: 354382 **Sample Dates: 8/26/2014 - 9/2/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.61E-02	0.00E+00	4.61E-02
Cs-134	<3.23E-02	0.00E+00	3.23E-02
Cs-137	<4.40E-02	0.00E+00	4.40E-02
Be-7	<2.17E-01	0.00E+00	2.17E-01
K-40	<1.42E+00	0.00E+00	1.42E+00

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 204 [CONTROL - NNE @ 22.4 miles]

Sample ID: 354698 **Sample Dates: 9/2/2014 - 9/9/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.02E-02	0.00E+00	3.02E-02
Cs-134	<1.55E-02	0.00E+00	1.55E-02
Cs-137	<1.63E-02	0.00E+00	1.63E-02
Be-7	<1.20E-01	0.00E+00	1.20E-01
K-40	9.05E-01	2.68E-01	2.44E-01

Sample ID: 355024 **Sample Dates: 9/9/2014 - 9/16/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.23E-02	0.00E+00	5.23E-02
Cs-134	<1.96E-02	0.00E+00	1.96E-02
Cs-137	<2.19E-02	0.00E+00	2.19E-02
Be-7	<1.64E-01	0.00E+00	1.64E-01
K-40	1.03E+00	4.19E-01	3.64E-01

Sample ID: 355557 **Sample Dates: 9/16/2014 - 9/23/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.56E-02	0.00E+00	5.56E-02
Cs-134	<2.91E-02	0.00E+00	2.91E-02
Cs-137	<3.14E-02	0.00E+00	3.14E-02
Be-7	<2.29E-01	0.00E+00	2.29E-01
K-40	9.30E-01	5.27E-01	5.58E-01

Sample ID: 356373 **Sample Dates: 9/23/2014 - 9/30/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.00E-02	0.00E+00	5.00E-02
Cs-134	<5.92E-03	0.00E+00	5.92E-03
Cs-137	<3.85E-02	0.00E+00	3.85E-02
Be-7	<2.28E-01	0.00E+00	2.28E-01
K-40	7.23E-01	4.05E-01	3.95E-01

Sample ID: 356968 **Sample Dates: 9/30/2014 - 10/7/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.33E-02	0.00E+00	5.33E-02
Cs-134	<2.50E-02	0.00E+00	2.50E-02
Cs-137	<3.12E-02	0.00E+00	3.12E-02
Be-7	<1.98E-01	0.00E+00	1.98E-01
K-40	9.22E-01	4.59E-01	3.91E-01

Sample ID: 357974 **Sample Dates: 10/7/2014 - 10/14/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.56E-02	0.00E+00	5.56E-02
Cs-134	<3.53E-02	0.00E+00	3.53E-02
Cs-137	<3.40E-02	0.00E+00	3.40E-02
Be-7	<1.71E-01	0.00E+00	1.71E-01
K-40	<1.03E+00	0.00E+00	1.03E+00

Sample ID: 358597 **Sample Dates: 10/14/2014 - 10/21/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.99E-02	0.00E+00	3.99E-02
Cs-134	<3.90E-02	0.00E+00	3.90E-02
Cs-137	<3.33E-02	0.00E+00	3.33E-02
Be-7	<3.45E-01	0.00E+00	3.45E-01
K-40	1.23E+00	6.98E-01	7.31E-01

Sample ID: 359201 **Sample Dates: 10/21/2014 - 10/28/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.06E-02	0.00E+00	5.06E-02
Cs-134	<2.19E-02	0.00E+00	2.19E-02
Cs-137	<4.44E-02	0.00E+00	4.44E-02
Be-7	<2.00E-01	0.00E+00	2.00E-01
K-40	2.35E+00	7.21E-01	1.39E-01

Sample ID: 359956 **Sample Dates: 10/28/2014 - 11/4/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.28E-02	0.00E+00	4.28E-02
Cs-134	<7.11E-03	0.00E+00	7.11E-03
Cs-137	<3.95E-02	0.00E+00	3.95E-02
Be-7	<3.44E-01	0.00E+00	3.44E-01
K-40	8.97E-01	5.77E-01	7.31E-01

Sample ID: 360647 **Sample Dates: 11/4/2014 - 11/11/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.96E-02	0.00E+00	2.96E-02
Cs-134	<2.52E-02	0.00E+00	2.52E-02
Cs-137	<3.85E-02	0.00E+00	3.85E-02
Be-7	<1.98E-01	0.00E+00	1.98E-01

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

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

Sample Point 204 [CONTROL - NNE @ 22.4 miles]

Sample ID:	360647	Sample Dates: 11/4/2014 - 11/11/2014	Nuclide	Activity	Sigma Error [1]	LLD
			K-40	4.92E-01	3.71E-01	4.46E-01
Sample ID:	361515	Sample Dates: 11/11/2014 - 11/18/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<5.54E-02	0.00E+00	5.54E-02
			Cs-134	<3.17E-02	0.00E+00	3.17E-02
			Cs-137	<9.94E-03	0.00E+00	9.94E-03
			Be-7	<2.17E-01	0.00E+00	2.17E-01
			K-40	5.36E-01	5.71E-01	8.88E-01
Sample ID:	362709	Sample Dates: 11/25/2014 - 12/2/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<5.16E-02	0.00E+00	5.16E-02
			Cs-134	<2.15E-02	0.00E+00	2.15E-02
			Cs-137	<2.66E-02	0.00E+00	2.66E-02
			Be-7	<2.19E-01	0.00E+00	2.19E-01
			K-40	8.14E-01	3.27E-01	8.49E-02
Sample ID:	363458	Sample Dates: 12/2/2014 - 12/9/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.91E-02	0.00E+00	3.91E-02
			Cs-134	<2.38E-02	0.00E+00	2.38E-02
			Cs-137	<4.19E-02	0.00E+00	4.19E-02
			Be-7	<1.96E-01	0.00E+00	1.96E-01
			K-40	<1.11E+00	0.00E+00	1.11E+00
Sample ID:	363910	Sample Dates: 12/9/2014 - 12/16/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<5.57E-02	0.00E+00	5.57E-02
			Cs-134	<1.89E-02	0.00E+00	1.89E-02
			Cs-137	<4.51E-02	0.00E+00	4.51E-02
			Be-7	<2.54E-01	0.00E+00	2.54E-01
			K-40	9.22E-01	5.00E-01	4.81E-01
Sample ID:	364425	Sample Dates: 12/16/2014 - 12/23/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<5.28E-02	0.00E+00	5.28E-02
			Cs-134	<2.91E-02	0.00E+00	2.91E-02
			Cs-137	<3.39E-02	0.00E+00	3.39E-02
			Be-7	<1.70E-01	0.00E+00	1.70E-01
			K-40	8.40E-01	3.99E-01	3.93E-01
Sample ID:	364883	Sample Dates: 12/23/2014 - 12/30/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.58E-02	0.00E+00	4.58E-02
			Cs-134	<3.58E-02	0.00E+00	3.58E-02
			Cs-137	<4.48E-02	0.00E+00	4.48E-02
			Be-7	<2.59E-01	0.00E+00	2.59E-01
			K-40	1.28E+00	6.48E-01	7.34E-01

Sample Point 205 [INDICATOR - SSE @ 0.6 miles]

Sample ID:	280656	Sample Dates: 12/31/2013 - 1/7/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<5.73E-02	0.00E+00	5.73E-02
			Cs-134	<4.25E-02	0.00E+00	4.25E-02
			Cs-137	<3.54E-02	0.00E+00	3.54E-02
			Be-7	<2.82E-01	0.00E+00	2.82E-01
			K-40	9.55E-01	2.39E-01	4.49E-01
Sample ID:	280829	Sample Dates: 1/7/2014 - 1/14/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.50E-02	0.00E+00	4.50E-02
			Cs-134	<2.90E-02	0.00E+00	2.90E-02
			Cs-137	<3.67E-02	0.00E+00	3.67E-02
			Be-7	<2.39E-01	0.00E+00	2.39E-01
			K-40	<1.08E+00	0.00E+00	1.08E+00
Sample ID:	281188	Sample Dates: 1/14/2014 - 1/21/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.82E-02	0.00E+00	3.82E-02
			Cs-134	<3.41E-02	0.00E+00	3.41E-02
			Cs-137	<3.32E-02	0.00E+00	3.32E-02
			Be-7	<1.86E-01	0.00E+00	1.86E-01
			K-40	1.44E+00	2.68E-01	3.80E-01

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

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

Sample Point 205 [INDICATOR - SSE @ 0.6 miles]

Sample ID:	281509	Sample Dates: 1/21/2014 - 1/28/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<5.38E-02	0.00E+00	5.38E-02
			Cs-134	<4.15E-02	0.00E+00	4.15E-02
			Cs-137	<2.45E-02	0.00E+00	2.45E-02
			Be-7	<2.41E-01	0.00E+00	2.41E-01
			K-40	6.36E-01	2.81E-01	5.40E-01
Sample ID:	282132	Sample Dates: 1/28/2014 - 2/4/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.53E-02	0.00E+00	4.53E-02
			Cs-134	<4.41E-02	0.00E+00	4.41E-02
			Cs-137	<4.44E-02	0.00E+00	4.44E-02
			Be-7	<3.82E-01	0.00E+00	3.82E-01
			K-40	8.45E-01	2.68E-01	1.62E-01
Sample ID:	282944	Sample Dates: 2/4/2014 - 2/11/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<6.66E-02	0.00E+00	6.66E-02
			Cs-134	<3.03E-02	0.00E+00	3.03E-02
			Cs-137	<3.64E-02	0.00E+00	3.64E-02
			Be-7	<3.49E-01	0.00E+00	3.49E-01
			K-40	1.02E+00	2.35E-01	4.72E-01
Sample ID:	283391	Sample Dates: 2/11/2014 - 2/18/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<2.68E-02	0.00E+00	2.68E-02
			Cs-134	<1.96E-02	0.00E+00	1.96E-02
			Cs-137	<2.66E-02	0.00E+00	2.66E-02
			Be-7	<1.42E-01	0.00E+00	1.42E-01
			K-40	7.38E-01	1.48E-01	3.35E-01
Sample ID:	284558	Sample Dates: 2/18/2014 - 2/25/2014	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	<2.92E-02	0.00E+00	2.92E-02
			Be-7	<2.06E-01	0.00E+00	2.06E-01
			K-40	9.64E-01	1.65E-01	2.51E-01
Sample ID:	285119	Sample Dates: 2/25/2014 - 3/4/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<5.19E-02	0.00E+00	5.19E-02
			Cs-134	<4.02E-02	0.00E+00	4.02E-02
			Cs-137	<2.79E-02	0.00E+00	2.79E-02
			Be-7	<3.09E-01	0.00E+00	3.09E-01
			K-40	8.33E-01	2.23E-01	1.61E-01
Sample ID:	285724	Sample Dates: 3/4/2014 - 3/11/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.48E-02	0.00E+00	4.48E-02
			Cs-134	<3.95E-02	0.00E+00	3.95E-02
			Cs-137	<4.35E-02	0.00E+00	4.35E-02
			Be-7	<3.14E-01	0.00E+00	3.14E-01
			K-40	1.37E+00	2.92E-01	5.38E-01
Sample ID:	286228	Sample Dates: 3/11/2014 - 3/18/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.16E-02	0.00E+00	3.16E-02
			Cs-134	<1.54E-02	0.00E+00	1.54E-02
			Cs-137	<2.62E-02	0.00E+00	2.62E-02
			Be-7	<1.53E-01	0.00E+00	1.53E-01
			K-40	8.72E-01	1.59E-01	3.04E-01
Sample ID:	287113	Sample Dates: 3/18/2014 - 3/25/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.40E-02	0.00E+00	4.40E-02
			Cs-134	<2.22E-02	0.00E+00	2.22E-02
			Cs-137	<1.95E-02	0.00E+00	1.95E-02
			Be-7	<1.93E-01	0.00E+00	1.93E-01
			K-40	1.09E+00	1.77E-01	2.14E-01
Sample ID:	288364	Sample Dates: 3/25/2014 - 4/1/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<5.87E-02	0.00E+00	5.87E-02
			Cs-134	<3.45E-02	0.00E+00	3.45E-02
			Cs-137	<5.62E-02	0.00E+00	5.62E-02
			Be-7	<3.28E-01	0.00E+00	3.28E-01

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 205 [INDICATOR - SSE @ 0.6 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
288364	3/25/2014 - 4/1/2014	K-40	9.59E-01	2.40E-01	7.70E-01
289088	4/1/2014 - 4/8/2014	I-131	<4.44E-02	0.00E+00	4.44E-02
		Cs-134	<3.36E-02	0.00E+00	3.36E-02
		Cs-137	<4.10E-02	0.00E+00	4.10E-02
		Be-7	<3.20E-01	0.00E+00	3.20E-01
		K-40	<1.02E+00	0.00E+00	1.02E+00
289474	4/8/2014 - 4/15/2014	I-131	<4.96E-02	0.00E+00	4.96E-02
		Cs-134	<3.38E-02	0.00E+00	3.38E-02
		Cs-137	<3.65E-02	0.00E+00	3.65E-02
		Be-7	<2.25E-01	0.00E+00	2.25E-01
		K-40	5.82E-01	1.84E-01	6.46E-01
289884	4/15/2014 - 4/22/2014	I-131	<3.09E-02	0.00E+00	3.09E-02
		Cs-134	<2.00E-02	0.00E+00	2.00E-02
		Cs-137	<1.92E-02	0.00E+00	1.92E-02
		Be-7	<1.56E-01	0.00E+00	1.56E-01
		K-40	9.80E-01	2.00E-01	1.10E-01
291489	4/22/2014 - 4/29/2014	I-131	<2.24E-02	0.00E+00	2.24E-02
		Cs-134	<2.16E-02	0.00E+00	2.16E-02
		Cs-137	<2.91E-02	0.00E+00	2.91E-02
		Be-7	<1.29E-01	0.00E+00	1.29E-01
		K-40	1.13E+00	1.79E-01	2.45E-01
292783	4/29/2014 - 5/6/2014	I-131	<3.86E-02	0.00E+00	3.86E-02
		Cs-134	<2.29E-02	0.00E+00	2.29E-02
		Cs-137	<3.59E-02	0.00E+00	3.59E-02
		Be-7	<1.26E-01	0.00E+00	1.26E-01
		K-40	1.25E+00	2.44E-01	1.30E-01
293045	5/6/2014 - 5/13/2014	I-131	<2.31E-02	0.00E+00	2.31E-02
		Cs-134	<2.02E-02	0.00E+00	2.02E-02
		Cs-137	<2.22E-02	0.00E+00	2.22E-02
		Be-7	<1.66E-01	0.00E+00	1.66E-01
		K-40	6.96E-01	1.39E-01	3.07E-01
294676	5/13/2014 - 5/20/2014	I-131	<2.13E-02	0.00E+00	2.13E-02
		Cs-134	<2.03E-02	0.00E+00	2.03E-02
		Cs-137	<1.72E-02	0.00E+00	1.72E-02
		Be-7	<1.55E-01	0.00E+00	1.55E-01
		K-40	9.93E-01	2.06E-01	3.32E-01
295185	5/20/2014 - 5/27/2014	I-131	<6.56E-02	0.00E+00	6.56E-02
		Cs-134	<3.60E-02	0.00E+00	3.60E-02
		Cs-137	<2.74E-02	0.00E+00	2.74E-02
		Be-7	1.58E-01	7.70E-02	2.19E-01
		K-40	7.44E-01	1.71E-01	4.99E-01
295446	5/27/2014 - 6/3/2014	I-131	<6.23E-02	0.00E+00	6.23E-02
		Cs-134	<3.29E-02	0.00E+00	3.29E-02
		Cs-137	<3.88E-02	0.00E+00	3.88E-02
		Be-7	<2.60E-01	0.00E+00	2.60E-01
		K-40	1.24E+00	2.70E-01	4.45E-01
295961	6/3/2014 - 6/10/2014	I-131	<2.13E-02	0.00E+00	2.13E-02
		Cs-134	<1.92E-02	0.00E+00	1.92E-02

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 205 [INDICATOR - SSE @ 0.6 miles]

Sample ID: 295961 **Sample Dates: 6/3/2014 - 6/10/2014**

Nuclide	Activity	Sigma Error [1]	LLD
Cs-137	<1.91E-02	0.00E+00	1.91E-02
Be-7	<1.97E-01	0.00E+00	1.97E-01
K-40	9.92E-01	1.65E-01	7.45E-02

Sample ID: 296206 **Sample Dates: 6/10/2014 - 6/17/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<1.71E-02	0.00E+00	1.71E-02
Cs-134	<1.89E-02	0.00E+00	1.89E-02
Cs-137	<3.17E-02	0.00E+00	3.17E-02
Be-7	<1.55E-01	0.00E+00	1.55E-01
K-40	1.04E+00	2.06E-01	2.08E-01

Sample ID: 296727 **Sample Dates: 6/17/2014 - 6/24/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.10E-02	0.00E+00	2.10E-02
Cs-134	<1.45E-02	0.00E+00	1.45E-02
Cs-137	<2.69E-02	0.00E+00	2.69E-02
Be-7	<1.44E-01	0.00E+00	1.44E-01
K-40	8.65E-01	1.86E-01	2.06E-01

Sample ID: 296954 **Sample Dates: 6/24/2014 - 7/1/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.20E-02	0.00E+00	3.20E-02
Cs-134	<1.89E-02	0.00E+00	1.89E-02
Cs-137	<1.86E-02	0.00E+00	1.86E-02
Be-7	<9.97E-02	0.00E+00	9.97E-02
K-40	1.24E+00	1.90E-01	2.22E-01

Sample ID: 297351 **Sample Dates: 7/1/2014 - 7/8/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.42E-02	0.00E+00	5.42E-02
Cs-134	<4.66E-02	0.00E+00	4.66E-02
Cs-137	<4.74E-02	0.00E+00	4.74E-02
Be-7	<2.53E-01	0.00E+00	2.53E-01
K-40	9.25E-01	2.31E-01	1.56E-01

Sample ID: 297639 **Sample Dates: 7/8/2014 - 7/15/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.48E-02	0.00E+00	5.48E-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	<1.82E-01	0.00E+00	1.82E-01
K-40	8.35E-01	3.59E-01	3.67E-01

Sample ID: 298175 **Sample Dates: 7/15/2014 - 7/22/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.84E-02	0.00E+00	4.84E-02
Cs-134	<2.16E-02	0.00E+00	2.16E-02
Cs-137	<3.02E-02	0.00E+00	3.02E-02
Be-7	<1.83E-01	0.00E+00	1.83E-01
K-40	8.11E-01	3.93E-01	4.39E-01

Sample ID: 350673 **Sample Dates: 7/22/2014 - 7/29/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.84E-02	0.00E+00	4.84E-02
Cs-134	<2.19E-02	0.00E+00	2.19E-02
Cs-137	<2.56E-02	0.00E+00	2.56E-02
Be-7	<1.92E-01	0.00E+00	1.92E-01
K-40	7.75E-01	3.74E-01	4.14E-01

Sample ID: 350953 **Sample Dates: 7/29/2014 - 8/5/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.92E-02	0.00E+00	2.92E-02
Cs-134	<2.11E-02	0.00E+00	2.11E-02
Cs-137	<3.85E-02	0.00E+00	3.85E-02
Be-7	<2.95E-01	0.00E+00	2.95E-01
K-40	8.99E-01	5.10E-01	4.83E-01

Sample ID: 351506 **Sample Dates: 8/5/2014 - 8/12/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.31E-02	0.00E+00	4.31E-02
Cs-134	<7.69E-03	0.00E+00	7.69E-03
Cs-137	<3.29E-02	0.00E+00	3.29E-02
Be-7	<2.94E-01	0.00E+00	2.94E-01
K-40	<1.04E+00	0.00E+00	1.04E+00

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 205 [INDICATOR - SSE @ 0.6 miles]

Sample ID: 353368 **Sample Dates: 8/12/2014 - 8/19/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.59E-02	0.00E+00	5.59E-02
Cs-134	<1.27E-02	0.00E+00	1.27E-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	7.85E-01	2.10E-01	1.84E-01

Sample ID: 353938 **Sample Dates: 8/19/2014 - 8/26/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.18E-02	0.00E+00	2.18E-02
Cs-134	<2.08E-02	0.00E+00	2.08E-02
Cs-137	<2.40E-02	0.00E+00	2.40E-02
Be-7	<1.45E-01	0.00E+00	1.45E-01
K-40	<1.84E-01	0.00E+00	1.84E-01

Sample ID: 354383 **Sample Dates: 8/26/2014 - 9/2/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.29E-02	0.00E+00	5.29E-02
Cs-134	<1.82E-02	0.00E+00	1.82E-02
Cs-137	<1.58E-02	0.00E+00	1.58E-02
Be-7	<1.17E-01	0.00E+00	1.17E-01
K-40	1.13E+00	2.80E-01	2.08E-01

Sample ID: 354699 **Sample Dates: 9/2/2014 - 9/9/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.99E-02	0.00E+00	4.99E-02
Cs-134	<1.20E-02	0.00E+00	1.20E-02
Cs-137	<1.48E-02	0.00E+00	1.48E-02
Be-7	<1.24E-01	0.00E+00	1.24E-01
K-40	1.07E+00	2.71E-01	2.21E-01

Sample ID: 355026 **Sample Dates: 9/9/2014 - 9/16/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.41E-02	0.00E+00	5.41E-02
Cs-134	<2.20E-02	0.00E+00	2.20E-02
Cs-137	<2.74E-02	0.00E+00	2.74E-02
Be-7	<2.40E-01	0.00E+00	2.40E-01
K-40	<9.40E-01	0.00E+00	9.40E-01

Sample ID: 355558 **Sample Dates: 9/16/2014 - 9/23/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.99E-02	0.00E+00	4.99E-02
Cs-134	<3.72E-02	0.00E+00	3.72E-02
Cs-137	<4.05E-02	0.00E+00	4.05E-02
Be-7	<1.81E-01	0.00E+00	1.81E-01
K-40	1.24E+00	5.88E-01	5.94E-01

Sample ID: 356374 **Sample Dates: 9/23/2014 - 9/30/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.47E-02	0.00E+00	5.47E-02
Cs-134	<3.31E-02	0.00E+00	3.31E-02
Cs-137	<4.14E-02	0.00E+00	4.14E-02
Be-7	<3.09E-01	0.00E+00	3.09E-01
K-40	1.16E+00	5.28E-01	1.57E-01

Sample ID: 356969 **Sample Dates: 9/30/2014 - 10/7/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.71E-02	0.00E+00	4.71E-02
Cs-134	<3.11E-02	0.00E+00	3.11E-02
Cs-137	<2.65E-02	0.00E+00	2.65E-02
Be-7	<2.46E-01	0.00E+00	2.46E-01
K-40	1.19E+00	5.93E-01	5.39E-01

Sample ID: 357975 **Sample Dates: 10/7/2014 - 10/14/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.05E-02	0.00E+00	5.05E-02
Cs-134	<3.75E-02	0.00E+00	3.75E-02
Cs-137	<3.32E-02	0.00E+00	3.32E-02
Be-7	<2.72E-01	0.00E+00	2.72E-01
K-40	8.43E-01	4.56E-01	1.63E-01

Sample ID: 358598 **Sample Dates: 10/14/2014 - 10/21/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.03E-02	0.00E+00	4.03E-02
Cs-134	<7.81E-03	0.00E+00	7.81E-03
Cs-137	<3.34E-02	0.00E+00	3.34E-02
Be-7	<3.43E-01	0.00E+00	3.43E-01

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 205 [INDICATOR - SSE @ 0.6 miles]

Sample ID:	358598	Sample Dates: 10/14/2014 - 10/21/2014	Nuclide	Activity	Sigma Error [1]	LLD
			K-40	9.71E-01	4.93E-01	1.65E-01
Sample ID:	359202	Sample Dates: 10/21/2014 - 10/28/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<2.92E-02	0.00E+00	2.92E-02
			Cs-134	<1.54E-02	0.00E+00	1.54E-02
			Cs-137	<3.45E-02	0.00E+00	3.45E-02
			Be-7	<2.16E-01	0.00E+00	2.16E-01
			K-40	7.38E-01	3.34E-01	3.16E-01
Sample ID:	359957	Sample Dates: 10/28/2014 - 11/4/2014	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	<2.13E-02	0.00E+00	2.13E-02
			Be-7	<1.72E-01	0.00E+00	1.72E-01
			K-40	9.13E-01	3.38E-01	7.98E-02
Sample ID:	360648	Sample Dates: 11/4/2014 - 11/11/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<2.79E-02	0.00E+00	2.79E-02
			Cs-134	<1.54E-02	0.00E+00	1.54E-02
			Cs-137	<3.46E-02	0.00E+00	3.46E-02
			Be-7	<1.73E-01	0.00E+00	1.73E-01
			K-40	6.03E-01	2.98E-01	2.80E-01
Sample ID:	361516	Sample Dates: 11/11/2014 - 11/18/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.14E-02	0.00E+00	4.14E-02
			Cs-134	<2.18E-02	0.00E+00	2.18E-02
			Cs-137	<2.71E-02	0.00E+00	2.71E-02
			Be-7	<3.30E-01	0.00E+00	3.30E-01
			K-40	4.10E-01	4.67E-01	7.26E-01
Sample ID:	361901	Sample Dates: 11/18/2014 - 11/25/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<5.52E-02	0.00E+00	5.52E-02
			Cs-134	<3.57E-02	0.00E+00	3.57E-02
			Cs-137	<3.39E-02	0.00E+00	3.39E-02
			Be-7	<2.27E-01	0.00E+00	2.27E-01
			K-40	7.86E-01	4.81E-01	5.47E-01
Sample ID:	362710	Sample Dates: 11/25/2014 - 12/2/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.64E-02	0.00E+00	4.64E-02
			Cs-134	<2.02E-02	0.00E+00	2.02E-02
			Cs-137	<2.65E-02	0.00E+00	2.65E-02
			Be-7	<1.49E-01	0.00E+00	1.49E-01
			K-40	1.15E+00	3.80E-01	7.96E-02
Sample ID:	363459	Sample Dates: 12/2/2014 - 12/9/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<2.68E-02	0.00E+00	2.68E-02
			Cs-134	<1.91E-02	0.00E+00	1.91E-02
			Cs-137	<2.36E-02	0.00E+00	2.36E-02
			Be-7	<2.14E-01	0.00E+00	2.14E-01
			K-40	9.28E-01	3.43E-01	8.11E-02
Sample ID:	363911	Sample Dates: 12/9/2014 - 12/16/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<5.37E-02	0.00E+00	5.37E-02
			Cs-134	<1.68E-02	0.00E+00	1.68E-02
			Cs-137	<3.19E-02	0.00E+00	3.19E-02
			Be-7	<3.01E-01	0.00E+00	3.01E-01
			K-40	7.56E-01	4.32E-01	5.23E-01
Sample ID:	364426	Sample Dates: 12/16/2014 - 12/23/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<5.26E-02	0.00E+00	5.26E-02
			Cs-134	<2.01E-02	0.00E+00	2.01E-02
			Cs-137	<3.01E-02	0.00E+00	3.01E-02
			Be-7	<1.92E-01	0.00E+00	1.92E-01
			K-40	1.29E+00	4.88E-01	4.09E-01
Sample ID:	364884	Sample Dates: 12/23/2014 - 12/30/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.59E-02	0.00E+00	3.59E-02
			Cs-134	<3.19E-02	0.00E+00	3.19E-02

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

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

Sample Point 205 [INDICATOR - SSE @ 0.6 miles]

Sample ID:	364884	Sample Dates: 12/23/2014 - 12/30/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Cs-137	<3.06E-02	0.00E+00	3.06E-02
			Be-7	<2.47E-01	0.00E+00	2.47E-01
			K-40	<8.71E-01	0.00E+00	8.71E-01

Sample Point 206 [CONTROL - NW @ 11.3 miles]

Sample ID:	280657	Sample Dates: 12/31/2013 - 1/7/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.03E-02	0.00E+00	4.03E-02
			Cs-134	<3.26E-02	0.00E+00	3.26E-02
			Cs-137	<3.52E-02	0.00E+00	3.52E-02
			Be-7	<2.79E-01	0.00E+00	2.79E-01
			K-40	9.52E-01	2.38E-01	4.48E-01
Sample ID:	280830	Sample Dates: 1/7/2014 - 1/14/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<2.67E-02	0.00E+00	2.67E-02
			Cs-134	<2.13E-02	0.00E+00	2.13E-02
			Cs-137	<1.66E-02	0.00E+00	1.66E-02
			Be-7	<1.76E-01	0.00E+00	1.76E-01
			K-40	1.21E+00	1.94E-01	2.33E-01
Sample ID:	281189	Sample Dates: 1/14/2014 - 1/21/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.01E-02	0.00E+00	4.01E-02
			Cs-134	<3.12E-02	0.00E+00	3.12E-02
			Cs-137	<2.90E-02	0.00E+00	2.90E-02
			Be-7	<3.90E-01	0.00E+00	3.90E-01
			K-40	<1.15E+00	0.00E+00	1.15E+00
Sample ID:	281510	Sample Dates: 1/21/2014 - 1/28/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<6.26E-02	0.00E+00	6.26E-02
			Cs-134	<3.60E-02	0.00E+00	3.60E-02
			Cs-137	<3.49E-02	0.00E+00	3.49E-02
			Be-7	<1.63E-01	0.00E+00	1.63E-01
			K-40	1.17E+00	3.27E-01	4.52E-01
Sample ID:	282133	Sample Dates: 1/28/2014 - 2/4/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<5.31E-02	0.00E+00	5.31E-02
			Cs-134	<3.95E-02	0.00E+00	3.95E-02
			Cs-137	<4.35E-02	0.00E+00	4.35E-02
			Be-7	<2.50E-01	0.00E+00	2.50E-01
			K-40	<1.30E+00	0.00E+00	1.30E+00
Sample ID:	282945	Sample Dates: 2/4/2014 - 2/11/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<5.98E-02	0.00E+00	5.98E-02
			Cs-134	<2.52E-02	0.00E+00	2.52E-02
			Cs-137	<2.09E-02	0.00E+00	2.09E-02
			Be-7	<1.83E-01	0.00E+00	1.83E-01
			K-40	6.02E-01	1.73E-01	3.42E-01
Sample ID:	283392	Sample Dates: 2/11/2014 - 2/18/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<2.02E-02	0.00E+00	2.02E-02
			Cs-134	<2.15E-02	0.00E+00	2.15E-02
			Cs-137	<2.85E-02	0.00E+00	2.85E-02
			Be-7	<1.94E-01	0.00E+00	1.94E-01
			K-40	<6.43E-01	0.00E+00	6.43E-01
Sample ID:	284559	Sample Dates: 2/18/2014 - 2/25/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<5.77E-02	0.00E+00	5.77E-02
			Cs-134	<3.54E-02	0.00E+00	3.54E-02
			Cs-137	<3.93E-02	0.00E+00	3.93E-02
			Be-7	<2.98E-01	0.00E+00	2.98E-01
			K-40	<1.09E+00	0.00E+00	1.09E+00
Sample ID:	285120	Sample Dates: 2/25/2014 - 3/4/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<6.94E-02	0.00E+00	6.94E-02
			Cs-134	<3.40E-02	0.00E+00	3.40E-02
			Cs-137	<3.97E-02	0.00E+00	3.97E-02
			Be-7	<2.82E-01	0.00E+00	2.82E-01
			K-40	6.17E-01	2.69E-01	5.69E-01

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 206 [CONTROL - NW @ 11.3 miles]

Sample ID:	285725	Sample Dates: 3/4/2014 - 3/11/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.12E-02	0.00E+00	4.12E-02
			Cs-134	<3.37E-02	0.00E+00	3.37E-02
			Cs-137	<5.75E-02	0.00E+00	5.75E-02
			Be-7	<3.17E-01	0.00E+00	3.17E-01
			K-40	<1.13E+00	0.00E+00	1.13E+00
Sample ID:	286229	Sample Dates: 3/11/2014 - 3/18/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.08E-02	0.00E+00	4.08E-02
			Cs-134	<2.88E-02	0.00E+00	2.88E-02
			Cs-137	<3.39E-02	0.00E+00	3.39E-02
			Be-7	<1.39E-01	0.00E+00	1.39E-01
			K-40	7.02E-01	2.19E-01	4.94E-01
Sample ID:	287114	Sample Dates: 3/18/2014 - 3/25/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.55E-02	0.00E+00	4.55E-02
			Cs-134	<2.19E-02	0.00E+00	2.19E-02
			Cs-137	<1.29E-02	0.00E+00	1.29E-02
			Be-7	<1.24E-01	0.00E+00	1.24E-01
			K-40	<8.70E-01	0.00E+00	8.70E-01
Sample ID:	288365	Sample Dates: 3/25/2014 - 4/1/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<2.91E-02	0.00E+00	2.91E-02
			Cs-134	<2.20E-02	0.00E+00	2.20E-02
			Cs-137	<3.06E-02	0.00E+00	3.06E-02
			Be-7	<1.48E-01	0.00E+00	1.48E-01
			K-40	7.53E-01	1.83E-01	1.20E-01
Sample ID:	289089	Sample Dates: 4/1/2014 - 4/8/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<2.07E-02	0.00E+00	2.07E-02
			Cs-134	<1.59E-02	0.00E+00	1.59E-02
			Cs-137	<2.07E-02	0.00E+00	2.07E-02
			Be-7	<1.43E-01	0.00E+00	1.43E-01
			K-40	1.08E+00	1.94E-01	2.55E-01
Sample ID:	289475	Sample Dates: 4/8/2014 - 4/15/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.46E-02	0.00E+00	4.46E-02
			Cs-134	<1.64E-02	0.00E+00	1.64E-02
			Cs-137	<4.01E-02	0.00E+00	4.01E-02
			Be-7	<2.96E-01	0.00E+00	2.96E-01
			K-40	9.76E-01	2.37E-01	4.34E-01
Sample ID:	289885	Sample Dates: 4/15/2014 - 4/22/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<2.47E-02	0.00E+00	2.47E-02
			Cs-134	<2.43E-02	0.00E+00	2.43E-02
			Cs-137	<3.09E-02	0.00E+00	3.09E-02
			Be-7	<1.57E-01	0.00E+00	1.57E-01
			K-40	4.63E-01	1.46E-01	2.41E-01
Sample ID:	291490	Sample Dates: 4/22/2014 - 4/29/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.58E-02	0.00E+00	4.58E-02
			Cs-134	<3.25E-02	0.00E+00	3.25E-02
			Cs-137	<3.58E-02	0.00E+00	3.58E-02
			Be-7	<3.33E-01	0.00E+00	3.33E-01
			K-40	<1.30E+00	0.00E+00	1.30E+00
Sample ID:	292784	Sample Dates: 4/29/2014 - 5/6/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.35E-02	0.00E+00	3.35E-02
			Cs-134	<1.66E-02	0.00E+00	1.66E-02
			Cs-137	<1.65E-02	0.00E+00	1.65E-02
			Be-7	<2.35E-01	0.00E+00	2.35E-01
			K-40	<1.00E+00	0.00E+00	1.00E+00
Sample ID:	293046	Sample Dates: 5/6/2014 - 5/13/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.32E-02	0.00E+00	3.32E-02
			Cs-134	<2.60E-02	0.00E+00	2.60E-02
			Cs-137	<2.69E-02	0.00E+00	2.69E-02
			Be-7	<2.10E-01	0.00E+00	2.10E-01

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 206 [CONTROL - NW @ 11.3 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
293046	5/6/2014 - 5/13/2014	K-40	1.09E+00	2.18E-01	1.18E-01
294677	5/13/2014 - 5/20/2014	I-131	<3.57E-02	0.00E+00	3.57E-02
		Cs-134	<2.52E-02	0.00E+00	2.52E-02
		Cs-137	<3.22E-02	0.00E+00	3.22E-02
		Be-7	9.94E-02	5.77E-02	1.75E-01
		K-40	9.69E-01	2.17E-01	4.01E-01
295186	5/20/2014 - 5/27/2014	I-131	<6.99E-02	0.00E+00	6.99E-02
		Cs-134	<2.66E-02	0.00E+00	2.66E-02
		Cs-137	<4.01E-02	0.00E+00	4.01E-02
		Be-7	<2.12E-01	0.00E+00	2.12E-01
		K-40	8.02E-01	3.08E-01	4.15E-01
295447	5/27/2014 - 6/3/2014	I-131	<4.77E-02	0.00E+00	4.77E-02
		Cs-134	<1.50E-02	0.00E+00	1.50E-02
		Cs-137	<3.37E-02	0.00E+00	3.37E-02
		Be-7	<3.38E-01	0.00E+00	3.38E-01
		K-40	<1.23E+00	0.00E+00	1.23E+00
295962	6/3/2014 - 6/10/2014	I-131	<2.72E-02	0.00E+00	2.72E-02
		Cs-134	<1.79E-02	0.00E+00	1.79E-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	1.18E+00	1.85E-01	3.19E-01
296207	6/10/2014 - 6/17/2014	I-131	<3.08E-02	0.00E+00	3.08E-02
		Cs-134	<2.87E-02	0.00E+00	2.87E-02
		Cs-137	<1.83E-02	0.00E+00	1.83E-02
		Be-7	<1.55E-01	0.00E+00	1.55E-01
		K-40	1.00E+00	2.10E-01	1.18E-01
296728	6/17/2014 - 6/24/2014	I-131	<3.07E-02	0.00E+00	3.07E-02
		Cs-134	<1.87E-02	0.00E+00	1.87E-02
		Cs-137	<3.02E-02	0.00E+00	3.02E-02
		Be-7	<2.17E-01	0.00E+00	2.17E-01
		K-40	9.21E-01	2.34E-01	4.26E-01
296955	6/24/2014 - 7/1/2014	I-131	<2.50E-02	0.00E+00	2.50E-02
		Cs-134	<1.37E-02	0.00E+00	1.37E-02
		Cs-137	<1.91E-02	0.00E+00	1.91E-02
		Be-7	<1.67E-01	0.00E+00	1.67E-01
		K-40	9.90E-01	1.55E-01	2.25E-01
297352	7/1/2014 - 7/8/2014	I-131	<3.60E-02	0.00E+00	3.60E-02
		Cs-134	<2.50E-02	0.00E+00	2.50E-02
		Cs-137	<4.67E-02	0.00E+00	4.67E-02
		Be-7	<8.40E-02	0.00E+00	8.40E-02
		K-40	1.12E+00	2.44E-01	5.07E-01
297640	7/8/2014 - 7/15/2014	I-131	<3.73E-02	0.00E+00	3.73E-02
		Cs-134	<7.82E-03	0.00E+00	7.82E-03
		Cs-137	<2.08E-02	0.00E+00	2.08E-02
		Be-7	<1.34E-01	0.00E+00	1.34E-01
		K-40	1.06E+00	3.19E-01	5.97E-02
298176	7/15/2014 - 7/22/2014	I-131	<4.61E-02	0.00E+00	4.61E-02
		Cs-134	<1.63E-02	0.00E+00	1.63E-02

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 206 [CONTROL - NW @ 11.3 miles]

Sample ID: 298176 **Sample Dates: 7/15/2014 - 7/22/2014**

Nuclide	Activity	Sigma Error [1]	LLD
Cs-137	<1.91E-02	0.00E+00	1.91E-02
Be-7	<1.74E-01	0.00E+00	1.74E-01
K-40	8.52E-01	3.56E-01	4.06E-01

Sample ID: 350674 **Sample Dates: 7/22/2014 - 7/29/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.40E-02	0.00E+00	5.40E-02
Cs-134	<1.91E-02	0.00E+00	1.91E-02
Cs-137	<2.64E-02	0.00E+00	2.64E-02
Be-7	<2.08E-01	0.00E+00	2.08E-01
K-40	7.22E-01	3.65E-01	3.48E-01

Sample ID: 350954 **Sample Dates: 7/29/2014 - 8/5/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.35E-02	0.00E+00	4.35E-02
Cs-134	<2.56E-02	0.00E+00	2.56E-02
Cs-137	<2.53E-02	0.00E+00	2.53E-02
Be-7	<3.06E-01	0.00E+00	3.06E-01
K-40	8.23E-01	5.18E-01	5.99E-01

Sample ID: 351507 **Sample Dates: 8/5/2014 - 8/12/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.02E-02	0.00E+00	3.02E-02
Cs-134	<2.03E-02	0.00E+00	2.03E-02
Cs-137	<2.53E-02	0.00E+00	2.53E-02
Be-7	<2.86E-01	0.00E+00	2.86E-01
K-40	<1.20E+00	0.00E+00	1.20E+00

Sample ID: 353369 **Sample Dates: 8/12/2014 - 8/19/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.34E-02	0.00E+00	4.34E-02
Cs-134	<3.83E-02	0.00E+00	3.83E-02
Cs-137	<3.70E-02	0.00E+00	3.70E-02
Be-7	<2.03E-01	0.00E+00	2.03E-01
K-40	<1.05E+00	0.00E+00	1.05E+00

Sample ID: 353939 **Sample Dates: 8/19/2014 - 8/26/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.59E-02	0.00E+00	2.59E-02
Cs-134	<2.36E-02	0.00E+00	2.36E-02
Cs-137	<1.67E-02	0.00E+00	1.67E-02
Be-7	<1.61E-01	0.00E+00	1.61E-01
K-40	<1.77E-01	0.00E+00	1.77E-01

Sample ID: 354384 **Sample Dates: 8/26/2014 - 9/2/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.37E-02	0.00E+00	5.37E-02
Cs-134	<1.82E-02	0.00E+00	1.82E-02
Cs-137	<1.51E-02	0.00E+00	1.51E-02
Be-7	<1.09E-01	0.00E+00	1.09E-01
K-40	6.61E-01	2.47E-01	2.13E-01

Sample ID: 354700 **Sample Dates: 9/2/2014 - 9/9/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.99E-02	0.00E+00	4.99E-02
Cs-134	<1.27E-02	0.00E+00	1.27E-02
Cs-137	<1.13E-02	0.00E+00	1.13E-02
Be-7	<1.15E-01	0.00E+00	1.15E-01
K-40	6.23E-01	2.13E-01	2.05E-01

Sample ID: 355028 **Sample Dates: 9/9/2014 - 9/16/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.25E-02	0.00E+00	5.25E-02
Cs-134	<2.17E-02	0.00E+00	2.17E-02
Cs-137	<2.88E-02	0.00E+00	2.88E-02
Be-7	<1.81E-01	0.00E+00	1.81E-01
K-40	7.51E-01	3.92E-01	4.65E-01

Sample ID: 355559 **Sample Dates: 9/16/2014 - 9/23/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<1.75E-02	0.00E+00	1.75E-02
Cs-134	<1.71E-02	0.00E+00	1.71E-02
Cs-137	<1.77E-02	0.00E+00	1.77E-02
Be-7	<1.59E-01	0.00E+00	1.59E-01
K-40	7.73E-01	3.17E-01	3.13E-01

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 206 [CONTROL - NW @ 11.3 miles]

Sample ID: 356397 **Sample Dates: 9/23/2014 - 9/30/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.16E-02	0.00E+00	3.16E-02
Cs-134	<3.36E-02	0.00E+00	3.36E-02
Cs-137	<3.76E-02	0.00E+00	3.76E-02
Be-7	<2.67E-01	0.00E+00	2.67E-01
K-40	<9.34E-01	0.00E+00	9.34E-01

Sample ID: 356970 **Sample Dates: 9/30/2014 - 10/7/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.95E-02	0.00E+00	3.95E-02
Cs-134	<3.35E-02	0.00E+00	3.35E-02
Cs-137	<2.56E-02	0.00E+00	2.56E-02
Be-7	<3.31E-01	0.00E+00	3.31E-01
K-40	7.32E-01	4.79E-01	5.42E-01

Sample ID: 357976 **Sample Dates: 10/7/2014 - 10/14/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<4.00E-02	0.00E+00	4.00E-02
Cs-134	<2.58E-02	0.00E+00	2.58E-02
Cs-137	<3.74E-02	0.00E+00	3.74E-02
Be-7	<2.38E-01	0.00E+00	2.38E-01
K-40	<1.32E+00	0.00E+00	1.32E+00

Sample ID: 358599 **Sample Dates: 10/14/2014 - 10/21/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.03E-02	0.00E+00	5.03E-02
Cs-134	<3.39E-02	0.00E+00	3.39E-02
Cs-137	<3.27E-02	0.00E+00	3.27E-02
Be-7	<2.94E-01	0.00E+00	2.94E-01
K-40	9.23E-01	5.27E-01	5.39E-01

Sample ID: 359203 **Sample Dates: 10/21/2014 - 10/28/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<1.80E-02	0.00E+00	1.80E-02
Cs-134	<1.32E-02	0.00E+00	1.32E-02
Cs-137	<1.51E-02	0.00E+00	1.51E-02
Be-7	<1.23E-01	0.00E+00	1.23E-01
K-40	7.23E-01	2.89E-01	2.84E-01

Sample ID: 359958 **Sample Dates: 10/28/2014 - 11/4/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.01E-02	0.00E+00	2.01E-02
Cs-134	<7.91E-03	0.00E+00	7.91E-03
Cs-137	<2.00E-02	0.00E+00	2.00E-02
Be-7	<1.31E-01	0.00E+00	1.31E-01
K-40	7.34E-01	3.13E-01	3.36E-01

Sample ID: 360649 **Sample Dates: 11/4/2014 - 11/11/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.30E-02	0.00E+00	2.30E-02
Cs-134	<1.82E-02	0.00E+00	1.82E-02
Cs-137	<2.74E-02	0.00E+00	2.74E-02
Be-7	<1.47E-01	0.00E+00	1.47E-01
K-40	<7.05E-01	0.00E+00	7.05E-01

Sample ID: 361517 **Sample Dates: 11/11/2014 - 11/18/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<3.97E-02	0.00E+00	3.97E-02
Cs-134	<2.49E-02	0.00E+00	2.49E-02
Cs-137	<2.67E-02	0.00E+00	2.67E-02
Be-7	<1.79E-01	0.00E+00	1.79E-01
K-40	4.64E-01	3.37E-01	4.73E-01

Sample ID: 361902 **Sample Dates: 11/18/2014 - 11/25/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<5.44E-02	0.00E+00	5.44E-02
Cs-134	<1.98E-02	0.00E+00	1.98E-02
Cs-137	<3.66E-02	0.00E+00	3.66E-02
Be-7	<1.77E-01	0.00E+00	1.77E-01
K-40	1.11E+00	3.86E-01	8.57E-02

Sample ID: 362711 **Sample Dates: 11/25/2014 - 12/2/2014**

Nuclide	Activity	Sigma Error [1]	LLD
I-131	<2.77E-02	0.00E+00	2.77E-02
Cs-134	<2.02E-02	0.00E+00	2.02E-02
Cs-137	<2.50E-02	0.00E+00	2.50E-02
Be-7	<1.63E-01	0.00E+00	1.63E-01

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

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

Sample Point 206 [CONTROL - NW @ 11.3 miles]

Sample ID:	362711	Sample Dates: 11/25/2014 - 12/2/2014	Nuclide	Activity	Sigma Error [1]	LLD
			K-40	8.52E-01	3.86E-01	4.23E-01
Sample ID:	363460	Sample Dates: 12/2/2014 - 12/9/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<2.66E-02	0.00E+00	2.66E-02
			Cs-134	<8.17E-03	0.00E+00	8.17E-03
			Cs-137	<1.94E-02	0.00E+00	1.94E-02
			Be-7	<1.59E-01	0.00E+00	1.59E-01
			K-40	7.61E-01	3.01E-01	2.68E-01
Sample ID:	363912	Sample Dates: 12/9/2014 - 12/16/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.26E-02	0.00E+00	4.26E-02
			Cs-134	<2.42E-02	0.00E+00	2.42E-02
			Cs-137	<2.16E-02	0.00E+00	2.16E-02
			Be-7	<1.95E-01	0.00E+00	1.95E-01
			K-40	<6.20E-01	0.00E+00	6.20E-01
Sample ID:	364427	Sample Dates: 12/16/2014 - 12/23/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.07E-02	0.00E+00	4.07E-02
			Cs-134	<2.45E-02	0.00E+00	2.45E-02
			Cs-137	<2.47E-02	0.00E+00	2.47E-02
			Be-7	<2.26E-01	0.00E+00	2.26E-01
			K-40	8.38E-01	3.85E-01	3.31E-01
Sample ID:	364885	Sample Dates: 12/23/2014 - 12/30/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<4.07E-02	0.00E+00	4.07E-02
			Cs-134	<2.44E-02	0.00E+00	2.44E-02
			Cs-137	<4.27E-02	0.00E+00	4.27E-02
			Be-7	<2.30E-01	0.00E+00	2.30E-01
			K-40	7.50E-01	3.92E-01	1.35E-01

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

Sample Point 700 [INDICATOR - SSW @ 5.5 miles]

Sample ID:	295680	Sample Dates: 5/13/2014 - 5/13/2014	FREESWIM	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<6.57E+00	0.00E+00	6.57E+00
				Co-58	<6.79E+00	0.00E+00	6.79E+00
				Fe-59	<1.85E+01	0.00E+00	1.85E+01
				Co-60	<8.58E+00	0.00E+00	8.58E+00
				Zn-65	<1.88E+01	0.00E+00	1.88E+01
				Nb-95	<7.57E+00	0.00E+00	7.57E+00
				I-131	<1.21E+01	0.00E+00	1.21E+01
				Cs-134	<5.28E+00	0.00E+00	5.28E+00
				Cs-137	1.13E+01	3.25E+00	6.35E+00
				Be-7	<4.83E+01	0.00E+00	4.83E+01
				K-40	3.54E+03	1.17E+02	8.23E+01
				Ag-110M	<6.24E+00	0.00E+00	6.24E+00
				Sb-122	<6.60E+01	0.00E+00	6.60E+01
				Sb-125	<1.61E+01	0.00E+00	1.61E+01
Sample ID:	363746	Sample Dates: 11/21/2014 - 11/21/2014	FREESWIM	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<1.68E+01	0.00E+00	1.68E+01
				Co-58	<1.46E+01	0.00E+00	1.46E+01
				Fe-59	<3.81E+01	0.00E+00	3.81E+01
				Co-60	<2.05E+01	0.00E+00	2.05E+01
				Zn-65	<4.23E+01	0.00E+00	4.23E+01
				Nb-95	<1.97E+01	0.00E+00	1.97E+01
				I-131	<3.62E+01	0.00E+00	3.62E+01
				Cs-134	<1.49E+01	0.00E+00	1.49E+01
				Cs-137	8.79E+00	9.52E+00	1.48E+01
				Be-7	<1.52E+02	0.00E+00	1.52E+02
				K-40	<9.21E+02	0.00E+00	9.21E+02
				Ag-110M	<1.71E+01	0.00E+00	1.71E+01
				Sb-122	<5.56E+02	0.00E+00	5.56E+02
				Sb-125	<4.51E+01	0.00E+00	4.51E+01

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

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

Sample Point 701 [INDICATOR - SSW @ 5.5 miles]

Sample ID:	295681	Sample Dates: 5/13/2014 - 5/13/2014	BOTMFEEDER	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<1.25E+01	0.00E+00	1.25E+01
				Co-58	<1.29E+01	0.00E+00	1.29E+01
				Fe-59	<2.96E+01	0.00E+00	2.96E+01
				Co-60	<1.87E+01	0.00E+00	1.87E+01
				Zn-65	<3.09E+01	0.00E+00	3.09E+01
				Nb-95	<1.60E+01	0.00E+00	1.60E+01
				I-131	<2.10E+01	0.00E+00	2.10E+01
				Cs-134	<8.72E+00	0.00E+00	8.72E+00
				Cs-137	<1.51E+01	0.00E+00	1.51E+01
				Be-7	<1.10E+02	0.00E+00	1.10E+02
				K-40	2.66E+03	2.03E+02	1.27E+02
				Ag-110M	<1.05E+01	0.00E+00	1.05E+01
				Sb-122	<1.42E+02	0.00E+00	1.42E+02
				Sb-125	<3.93E+01	0.00E+00	3.93E+01
Sample ID:	363747	Sample Dates: 11/21/2014 - 11/21/2014	BOTMFEEDER	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<3.25E+01	0.00E+00	3.25E+01
				Co-58	<2.52E+01	0.00E+00	2.52E+01
				Fe-59	<8.05E+01	0.00E+00	8.05E+01
				Co-60	<8.42E+00	0.00E+00	8.42E+00
				Zn-65	<7.26E+01	0.00E+00	7.26E+01
				Nb-95	<2.72E+01	0.00E+00	2.72E+01
				I-131	<8.12E+01	0.00E+00	8.12E+01
				Cs-134	<2.57E+01	0.00E+00	2.57E+01
				Cs-137	<2.18E+01	0.00E+00	2.18E+01
				Be-7	<2.18E+02	0.00E+00	2.18E+02
				K-40	3.07E+03	7.34E+02	5.78E+02
				Ag-110M	<2.23E+01	0.00E+00	2.23E+01
				Sb-122	<7.73E+02	0.00E+00	7.73E+02
				Sb-125	<4.75E+01	0.00E+00	4.75E+01

Sample Point 702 [INDICATOR - SSW @ 5.5 miles]

Sample ID:	296361	Sample Dates: 5/29/2014 - 5/29/2014	INVERTEBRA	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<9.29E+00	0.00E+00	9.29E+00
				Co-58	<6.85E+00	0.00E+00	6.85E+00
				Fe-59	<2.36E+01	0.00E+00	2.36E+01
				Co-60	<1.07E+01	0.00E+00	1.07E+01
				Zn-65	<2.50E+01	0.00E+00	2.50E+01
				Nb-95	<1.03E+01	0.00E+00	1.03E+01
				I-131	<1.20E+01	0.00E+00	1.20E+01
				Cs-134	<8.11E+00	0.00E+00	8.11E+00
				Cs-137	<1.09E+01	0.00E+00	1.09E+01
				Be-7	<7.35E+01	0.00E+00	7.35E+01
				K-40	1.89E+03	1.19E+02	7.24E+01
				Ag-110M	<1.00E+01	0.00E+00	1.00E+01
				Sb-122	<4.23E+01	0.00E+00	4.23E+01
				Sb-125	<2.56E+01	0.00E+00	2.56E+01
Sample ID:	363748	Sample Dates: 11/21/2014 - 11/21/2014	INVERTEBRA	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<1.75E+01	0.00E+00	1.75E+01
				Co-58	<1.55E+01	0.00E+00	1.55E+01
				Fe-59	<5.56E+01	0.00E+00	5.56E+01
				Co-60	<2.29E+01	0.00E+00	2.29E+01
				Zn-65	<5.12E+01	0.00E+00	5.12E+01
				Nb-95	<1.87E+01	0.00E+00	1.87E+01
				I-131	<4.40E+01	0.00E+00	4.40E+01
				Cs-134	<2.46E+01	0.00E+00	2.46E+01
				Cs-137	<1.78E+01	0.00E+00	1.78E+01
				Be-7	<1.71E+02	0.00E+00	1.71E+02
				K-40	2.67E+03	5.02E+02	5.16E+01
				Ag-110M	<1.93E+01	0.00E+00	1.93E+01
				Sb-122	<5.74E+02	0.00E+00	5.74E+02
				Sb-125	<4.37E+01	0.00E+00	4.37E+01

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

EnRad Laboratories
13339 Hagers Ferry Road
Huntersville, North Carolina 28078

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

Sample Point 703 [CONTROL - -- @ 0 miles]

Sample ID:	295682	Sample Dates: 5/13/2014 - 5/13/2014	FREESWIM	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<6.62E+00	0.00E+00	6.62E+00
				Co-58	<7.42E+00	0.00E+00	7.42E+00
				Fe-59	<1.77E+01	0.00E+00	1.77E+01
				Co-60	<1.00E+01	0.00E+00	1.00E+01
				Zn-65	<1.77E+01	0.00E+00	1.77E+01
				Nb-95	<9.42E+00	0.00E+00	9.42E+00
				I-131	<1.43E+01	0.00E+00	1.43E+01
				Cs-134	<6.88E+00	0.00E+00	6.88E+00
				Cs-137	<8.68E+00	0.00E+00	8.68E+00
				Be-7	<6.00E+01	0.00E+00	6.00E+01
				K-40	2.95E+03	1.27E+02	8.27E+01
				Ag-110M	<5.48E+00	0.00E+00	5.48E+00
				Sb-122	<7.64E+01	0.00E+00	7.64E+01
				Sb-125	<1.75E+01	0.00E+00	1.75E+01
Sample ID:	363749	Sample Dates: 11/21/2014 - 11/21/2014	FREESWIM	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<4.13E+01	0.00E+00	4.13E+01
				Co-58	<3.03E+01	0.00E+00	3.03E+01
				Fe-59	<8.24E+01	0.00E+00	8.24E+01
				Co-60	<4.03E+01	0.00E+00	4.03E+01
				Zn-65	<9.40E+01	0.00E+00	9.40E+01
				Nb-95	<3.26E+01	0.00E+00	3.26E+01
				I-131	<7.06E+01	0.00E+00	7.06E+01
				Cs-134	<3.10E+01	0.00E+00	3.10E+01
				Cs-137	<2.62E+01	0.00E+00	2.62E+01
				Be-7	<2.62E+02	0.00E+00	2.62E+02
				K-40	2.86E+03	7.24E+02	4.27E+02
				Ag-110M	<2.93E+01	0.00E+00	2.93E+01
				Sb-122	<1.09E+03	0.00E+00	1.09E+03
				Sb-125	<5.71E+01	0.00E+00	5.71E+01

Sample Point 704 [CONTROL - -- @ 0 miles]

Sample ID:	295683	Sample Dates: 5/13/2014 - 5/13/2014	BOTMFEEDER	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<1.35E+01	0.00E+00	1.35E+01
				Co-58	<2.16E+01	0.00E+00	2.16E+01
				Fe-59	<4.04E+01	0.00E+00	4.04E+01
				Co-60	<2.79E+01	0.00E+00	2.79E+01
				Zn-65	<4.70E+01	0.00E+00	4.70E+01
				Nb-95	<2.53E+01	0.00E+00	2.53E+01
				I-131	<3.25E+01	0.00E+00	3.25E+01
				Cs-134	<1.46E+01	0.00E+00	1.46E+01
				Cs-137	<1.55E+01	0.00E+00	1.55E+01
				Be-7	<1.68E+02	0.00E+00	1.68E+02
				K-40	2.65E+03	2.33E+02	1.54E+02
				Ag-110M	<1.32E+01	0.00E+00	1.32E+01
				Sb-122	<1.59E+02	0.00E+00	1.59E+02
				Sb-125	<4.80E+01	0.00E+00	4.80E+01
Sample ID:	363750	Sample Dates: 11/21/2014 - 11/21/2014	BOTMFEEDER	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<7.37E+00	0.00E+00	7.37E+00
				Co-58	<1.53E+01	0.00E+00	1.53E+01
				Fe-59	<2.79E+01	0.00E+00	2.79E+01
				Co-60	<8.78E+00	0.00E+00	8.78E+00
				Zn-65	<2.34E+01	0.00E+00	2.34E+01
				Nb-95	<1.61E+01	0.00E+00	1.61E+01
				I-131	<5.94E+01	0.00E+00	5.94E+01
				Cs-134	<1.14E+01	0.00E+00	1.14E+01
				Cs-137	<1.14E+01	0.00E+00	1.14E+01
				Be-7	<1.02E+02	0.00E+00	1.02E+02
				K-40	2.94E+03	3.80E+02	1.70E+02
				Ag-110M	<9.47E+00	0.00E+00	9.47E+00
				Sb-122	<5.29E+03	0.00E+00	5.29E+03
				Sb-125	<3.10E+01	0.00E+00	3.10E+01

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 705 [CONTROL - -- @ 0 miles]

Sample ID:	295684	Sample Dates: 5/13/2014 - 5/13/2014	INVERTEBRA	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<9.74E+00	0.00E+00	9.74E+00
				Co-58	<1.16E+01	0.00E+00	1.16E+01
				Fe-59	<2.32E+01	0.00E+00	2.32E+01
				Co-60	<1.17E+01	0.00E+00	1.17E+01
				Zn-65	<2.31E+01	0.00E+00	2.31E+01
				Nb-95	<1.12E+01	0.00E+00	1.12E+01
				I-131	<1.58E+01	0.00E+00	1.58E+01
				Cs-134	<8.04E+00	0.00E+00	8.04E+00
				Cs-137	<1.17E+01	0.00E+00	1.17E+01
				Be-7	<7.52E+01	0.00E+00	7.52E+01
				K-40	2.44E+03	1.53E+02	1.08E+02
				Ag-110M	<1.01E+01	0.00E+00	1.01E+01
				Sb-122	<9.39E+01	0.00E+00	9.39E+01
				Sb-125	<2.44E+01	0.00E+00	2.44E+01
Sample ID:	363751	Sample Dates: 11/21/2014 - 11/21/2014	INVERTEBRA	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<2.58E+01	0.00E+00	2.58E+01
				Co-58	<2.64E+01	0.00E+00	2.64E+01
				Fe-59	<6.04E+01	0.00E+00	6.04E+01
				Co-60	<3.05E+01	0.00E+00	3.05E+01
				Zn-65	<3.86E+01	0.00E+00	3.86E+01
				Nb-95	<1.77E+01	0.00E+00	1.77E+01
				I-131	<4.30E+01	0.00E+00	4.30E+01
				Cs-134	<2.16E+01	0.00E+00	2.16E+01
				Cs-137	<2.17E+01	0.00E+00	2.17E+01
				Be-7	<1.50E+02	0.00E+00	1.50E+02
				K-40	2.97E+03	6.10E+02	3.69E+02
				Ag-110M	<1.52E+01	0.00E+00	1.52E+01
				Sb-122	<7.89E+02	0.00E+00	7.89E+02
				Sb-125	<5.76E+01	0.00E+00	5.76E+01

Sample Point 706 [INDICATOR - -- @ 0 miles]

Sample ID:	360066	Sample Dates: 10/5/2014 - 10/5/2014	FREESWIM	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<7.10E+00	0.00E+00	7.10E+00
				Co-58	<6.53E+00	0.00E+00	6.53E+00
				Fe-59	<1.72E+01	0.00E+00	1.72E+01
				Co-60	<7.54E+00	0.00E+00	7.54E+00
				Zn-65	<1.77E+01	0.00E+00	1.77E+01
				Nb-95	<9.05E+00	0.00E+00	9.05E+00
				I-131	<4.11E+01	0.00E+00	4.11E+01
				Cs-134	<7.92E+00	0.00E+00	7.92E+00
				Cs-137	<6.90E+00	0.00E+00	6.90E+00
				Be-7	<5.90E+01	0.00E+00	5.90E+01
				K-40	3.80E+03	3.80E+02	8.52E+01
				Ag-110M	<6.26E+00	0.00E+00	6.26E+00
				Sb-122	<2.24E+03	0.00E+00	2.24E+03
				Sb-125	<1.68E+01	0.00E+00	1.68E+01

Sample Point 707 [INDICATOR - -- @ 0 miles]

Sample ID:	360067	Sample Dates: 10/22/2014 - 10/22/2014	BOTMFEEDER	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<2.72E+01	0.00E+00	2.72E+01
				Co-58	<2.14E+01	0.00E+00	2.14E+01
				Fe-59	<5.99E+01	0.00E+00	5.99E+01
				Co-60	<1.47E+01	0.00E+00	1.47E+01
				Zn-65	<3.79E+01	0.00E+00	3.79E+01
				Nb-95	<2.60E+01	0.00E+00	2.60E+01
				I-131	<2.83E+01	0.00E+00	2.83E+01
				Cs-134	<2.60E+01	0.00E+00	2.60E+01
				Cs-137	<2.24E+01	0.00E+00	2.24E+01
				Be-7	<1.71E+02	0.00E+00	1.71E+02
				K-40	3.20E+03	5.93E+02	3.15E+02
				Ag-110M	<1.59E+01	0.00E+00	1.59E+01
				Sb-122	<8.34E+01	0.00E+00	8.34E+01
				Sb-125	<5.21E+01	0.00E+00	5.21E+01

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 708 [INDICATOR - -- @ 0 miles]

Sample ID:	360065	Sample Dates: 9/28/2014 - 9/28/2014	INVERTEBRA	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<3.34E+01	0.00E+00	3.34E+01
				Co-58	<5.77E+01	0.00E+00	5.77E+01
				Fe-59	<8.69E+01	0.00E+00	8.69E+01
				Co-60	<6.01E+01	0.00E+00	6.01E+01
				Zn-65	<1.31E+02	0.00E+00	1.31E+02
				Nb-95	<9.33E+01	0.00E+00	9.33E+01
				I-131	<2.97E+02	0.00E+00	2.97E+02
				Cs-134	<4.67E+01	0.00E+00	4.67E+01
				Cs-137	<3.90E+01	0.00E+00	3.90E+01
				Be-7	<2.12E+02	0.00E+00	2.12E+02
				K-40	2.44E+03	7.78E+02	5.90E+02
				Ag-110M	<3.35E+01	0.00E+00	3.35E+01
				Sb-122	<7.71E+04	0.00E+00	7.71E+04
				Sb-125	<8.39E+01	0.00E+00	8.39E+01

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

Sample Point 404 [INDICATOR - SW @ 0.16 miles]

Sample ID:	307033	Sample Dates: 1/21/2014 - 1/21/2014	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
			H3GW	<2.86E+02	0.00E+00	3.00E+03
Sample ID:	**307485**	**Sample Dates: 4/21/2014 - 4/21/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			H3GW	<2.73E+02	0.00E+00	3.00E+03
Sample ID:	**378767**	**Sample Dates: 7/9/2014 - 7/9/2014**	**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
Sample ID:	**307894**	**Sample Dates: 7/9/2014 - 7/9/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			H3GW	<2.44E+02	0.00E+00	3.00E+03
Sample ID:	**360208**	**Sample Dates: 10/9/2014 - 10/9/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			H3GW	<1.73E+02	0.00E+00	2.46E+02

Sample Point 407 [INDICATOR - ENE @ 0.06 miles]

Sample ID:	307050	Sample Dates: 1/23/2014 - 1/23/2014	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

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

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

Sample Point 407 [INDICATOR - ENE @ 0.06 miles]

Sample ID:	307050	Sample Dates: 1/23/2014 - 1/23/2014	Nuclide	Activity	Sigma Error [1]	LLD
			BaLa-140	<1.50E+01	0.00E+00	1.50E+01
			H3GW	7.38E+02	0.00E+00	3.00E+03
Sample ID:	307481	Sample Dates: 4/21/2014 - 4/21/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	6.98E+02	0.00E+00	3.00E+03
Sample ID:	378768	Sample Dates: 7/8/2014 - 7/8/2014	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
Sample ID:	307892	Sample Dates: 7/8/2014 - 7/8/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	6.59E+02	0.00E+00	3.00E+03
Sample ID:	360606	Sample Dates: 10/23/2014 - 10/23/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	5.19E+02	1.61E+02	2.58E+02

Sample Point 409 [INDICATOR - NE @ 0.65 miles]

Sample ID:	307301	Sample Dates: 3/7/2014 - 3/7/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	<2.78E+02	0.00E+00	3.00E+03
Sample ID:	307719	Sample Dates: 6/10/2014 - 6/10/2014	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
			H3GW	<2.39E+02	0.00E+00	3.00E+03
Sample ID:	308233	Sample Dates: 9/15/2014 - 9/15/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	<2.48E+02	0.00E+00	3.00E+03
Sample ID:	364594	Sample Dates: 12/3/2014 - 12/3/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<9.55E+00	0.00E+00	9.55E+00
			Co-58	<6.30E+00	0.00E+00	6.30E+00
			Fe-59	<1.53E+01	0.00E+00	1.53E+01
			Co-60	<5.92E+00	0.00E+00	5.92E+00
			Zn-65	<2.00E+01	0.00E+00	2.00E+01
			Zr-95	<1.32E+01	0.00E+00	1.32E+01
			Nb-95	<1.27E+01	0.00E+00	1.27E+01
			I-131	<2.23E+01	0.00E+00	2.23E+01
			Cs-134	<9.59E+00	0.00E+00	9.59E+00
			Cs-137	<9.84E+00	0.00E+00	9.84E+00
			La-140	<1.32E+03	0.00E+00	1.32E+03
			Ba-140	<5.34E+01	0.00E+00	5.34E+01
Sample ID:	364773	Sample Dates: 12/3/2014 - 12/3/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	<2.47E+01	0.00E+00	2.48E+02

Sample Point 410 [INDICATOR - NE @ 0.65 miles]

Sample ID:	307275	Sample Dates: 3/8/2014 - 3/8/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	<2.78E+02	0.00E+00	3.00E+03

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

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

Sample Point 410 [INDICATOR - NE @ 0.65 miles]

Sample ID: 307720 Sample Dates: 6/10/2014 - 6/10/2014

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
H3GW	<2.40E+02	0.00E+00	3.00E+03

Sample ID: 308234 Sample Dates: 9/15/2014 - 9/15/2014

Nuclide	Activity	Sigma Error [1]	LLD
H3GW	<2.49E+02	0.00E+00	3.00E+03

Sample ID: 364595 Sample Dates: 12/3/2014 - 12/3/2014

Nuclide	Activity	Sigma Error [1]	LLD
Mn-54	<1.76E+01	0.00E+00	1.76E+01
Co-58	<1.35E+01	0.00E+00	1.35E+01
Fe-59	<3.99E+01	0.00E+00	3.99E+01
Co-60	<1.45E+01	0.00E+00	1.45E+01
Zn-65	<3.13E+01	0.00E+00	3.13E+01
Zr-95	<2.32E+01	0.00E+00	2.32E+01
Nb-95	<2.06E+01	0.00E+00	2.06E+01
I-131	<5.69E+01	0.00E+00	5.69E+01
Cs-134	<1.37E+01	0.00E+00	1.37E+01
Cs-137	<1.35E+01	0.00E+00	1.35E+01
La-140	<5.17E+03	0.00E+00	5.17E+03
Ba-140	<5.55E+01	0.00E+00	5.55E+01

Sample ID: 364774 Sample Dates: 12/3/2014 - 12/3/2014

Nuclide	Activity	Sigma Error [1]	LLD
H3GW	<4.58E+01	0.00E+00	2.48E+02

Sample Point 418 [INDICATOR - -- @ 0 miles]

Sample ID: 369578 Sample Dates: 3/8/2014 - 3/8/2014

Nuclide	Activity	Sigma Error [1]	LLD
H3GW	3.24E+02	1.68E+02	2.78E+02

Sample ID: 307768 Sample Dates: 6/10/2014 - 6/10/2014

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
H3GW	<2.40E+02	0.00E+00	3.00E+03

Sample ID: 358406 Sample Dates: 9/24/2014 - 9/24/2014

Nuclide	Activity	Sigma Error [1]	LLD
H3GW	<1.89E+02	0.00E+00	2.52E+02

Sample ID: 366249 Sample Dates: 12/30/2014 - 12/30/2014

Nuclide	Activity	Sigma Error [1]	LLD
Mn-54	<7.09E+00	0.00E+00	7.09E+00
Co-58	<7.80E+00	0.00E+00	7.81E+00
Fe-59	<2.11E+01	0.00E+00	2.11E+01
Co-60	<8.15E+00	0.00E+00	8.15E+00
Zn-65	<1.68E+01	0.00E+00	1.68E+01
Zr-95	<1.46E+01	0.00E+00	1.46E+01
Nb-95	<9.85E+00	0.00E+00	9.85E+00
I-131	<1.68E+01	0.00E+00	1.68E+01
Cs-134	<8.22E+00	0.00E+00	8.22E+00
Cs-137	<9.03E+00	0.00E+00	9.03E+00
La-140	<2.84E+02	0.00E+00	2.84E+02

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

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

Sample Point 418 [INDICATOR - -- @ 0 miles]

Sample ID:	366249	Sample Dates: 12/30/2014 - 12/30/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Ba-140	<4.81E+01	0.00E+00	4.81E+01
Sample ID:	366244	Sample Dates: 12/30/2014 - 12/30/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	<1.45E+02	0.00E+00	2.51E+02

Sample Point 423 [INDICATOR - -- @ 0 miles]

Sample ID:	307047	Sample Dates: 1/23/2014 - 1/23/2014	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
			H3GW	<2.88E+02	0.00E+00	3.00E+03
Sample ID:	307418	Sample Dates: 4/3/2014 - 4/3/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	<2.84E+02	0.00E+00	3.00E+03
Sample ID:	378769	Sample Dates: 7/9/2014 - 7/9/2014	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
Sample ID:	307895	Sample Dates: 7/9/2014 - 7/9/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	<2.44E+02	0.00E+00	3.00E+03
Sample ID:	360209	Sample Dates: 10/9/2014 - 10/9/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	<1.57E+01	0.00E+00	2.45E+02

Sample Point 424 [INDICATOR - -- @ 0 miles]

Sample ID:	307048	Sample Dates: 1/23/2014 - 1/23/2014	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
			H3GW	<2.87E+02	0.00E+00	3.00E+03
Sample ID:	307428	Sample Dates: 4/3/2014 - 4/3/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	<2.84E+02	0.00E+00	3.00E+03
Sample ID:	378772	Sample Dates: 7/9/2014 - 7/9/2014	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

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

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

Sample Point 424 [INDICATOR - -- @ 0 miles]

Sample ID:	378772	Sample Dates: 7/9/2014 - 7/9/2014	Nuclide	Activity	Sigma Error [1]	LLD
			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
Sample ID:	307901	Sample Dates: 7/9/2014 - 7/9/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	<2.46E+02	0.00E+00	3.00E+03
Sample ID:	360210	Sample Dates: 10/9/2014 - 10/9/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	<4.22E+01	0.00E+00	2.47E+02

Sample Point 426 [INDICATOR - -- @ 0 miles]

Sample ID:	307296	Sample Dates: 3/11/2014 - 3/11/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	<2.76E+02	0.00E+00	3.00E+03
Sample ID:	307771	Sample Dates: 6/10/2014 - 6/10/2014	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
			H3GW	<2.44E+02	0.00E+00	3.00E+03
Sample ID:	308236	Sample Dates: 9/15/2014 - 9/15/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	<2.48E+02	0.00E+00	3.00E+03
Sample ID:	365173	Sample Dates: 12/18/2014 - 12/18/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<7.53E+00	0.00E+00	7.53E+00
			Co-58	<9.16E+00	0.00E+00	9.16E+00
			Fe-59	<1.58E+01	0.00E+00	1.58E+01
			Co-60	<7.64E+00	0.00E+00	7.64E+00
			Zn-65	<1.90E+01	0.00E+00	1.90E+01
			Zr-95	<1.45E+01	0.00E+00	1.45E+01
			Nb-95	<1.14E+01	0.00E+00	1.14E+01
			I-131	<1.92E+01	0.00E+00	1.92E+01
			Cs-134	<6.65E+00	0.00E+00	6.65E+00
			Cs-137	<7.82E+00	0.00E+00	7.82E+00
			La-140	<8.69E+02	0.00E+00	8.69E+02
			Ba-140	<4.40E+01	0.00E+00	4.40E+01
			H3GW	<1.40E+02	0.00E+00	2.43E+02

Sample Point 429 [INDICATOR - -- @ 0 miles]

Sample ID:	307281	Sample Dates: 3/8/2014 - 3/8/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	<2.78E+02	0.00E+00	3.00E+03
Sample ID:	307773	Sample Dates: 6/10/2014 - 6/10/2014	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

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

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13339 Hagers Ferry Road
Huntersville, North Carolina 28078

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

Sample Point 429 [INDICATOR - -- @ 0 miles]

Sample ID:	307773	Sample Dates: 6/10/2014 - 6/10/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	<2.42E+02	0.00E+00	3.00E+03
Sample ID:	358408	Sample Dates: 9/24/2014 - 9/24/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	<1.11E+02	0.00E+00	2.50E+02
Sample ID:	364601	Sample Dates: 12/3/2014 - 12/3/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<1.61E+01	0.00E+00	1.61E+01
			Co-58	<2.07E+01	0.00E+00	2.07E+01
			Fe-59	<3.33E+01	0.00E+00	3.33E+01
			Co-60	<1.03E+01	0.00E+00	1.03E+01
			Zn-65	<2.56E+01	0.00E+00	2.56E+01
			Zr-95	<3.02E+01	0.00E+00	3.02E+01
			Nb-95	<1.91E+01	0.00E+00	1.91E+01
			I-131	<4.36E+01	0.00E+00	4.36E+01
			Cs-134	<1.47E+01	0.00E+00	1.47E+01
			Cs-137	<1.17E+01	0.00E+00	1.17E+01
			La-140	<3.89E+03	0.00E+00	3.89E+03
			Ba-140	<1.24E+02	0.00E+00	1.24E+02
Sample ID:	364776	Sample Dates: 12/3/2014 - 12/3/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	<-2.1E+01	0.00E+00	2.48E+02

Sample Point 612 [INDICATOR - -- @ 0 miles]

Sample ID:	307344	Sample Dates: 3/20/2014 - 3/20/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	<2.80E+02	0.00E+00	3.00E+03
Sample ID:	307482	Sample Dates: 4/21/2014 - 4/21/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	<2.78E+02	0.00E+00	3.00E+03
Sample ID:	307685	Sample Dates: 5/20/2014 - 5/20/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	<2.32E+02	0.00E+00	3.00E+03
Sample ID:	307770	Sample Dates: 6/11/2014 - 6/11/2014	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
			H3GW	<2.43E+02	0.00E+00	3.00E+03
Sample ID:	308091	Sample Dates: 8/18/2014 - 8/18/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	<2.41E+02	0.00E+00	3.00E+03
Sample ID:	360174	Sample Dates: 9/30/2014 - 9/30/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	<-8.7E+00	0.00E+00	2.48E+02
Sample ID:	364641	Sample Dates: 12/2/2014 - 12/2/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<8.62E+00	0.00E+00	8.62E+00
			Co-58	<1.00E+01	0.00E+00	1.00E+01
			Fe-59	<2.19E+01	0.00E+00	2.19E+01
			Co-60	<9.05E+00	0.00E+00	9.05E+00
			Zn-65	<2.00E+01	0.00E+00	2.00E+01
			Zr-95	<1.34E+01	0.00E+00	1.34E+01
			Nb-95	<1.09E+01	0.00E+00	1.09E+01
			I-131	<2.55E+01	0.00E+00	2.55E+01
			Cs-134	<7.48E+00	0.00E+00	7.48E+00
			Cs-137	<6.39E+00	0.00E+00	6.39E+00
			La-140	<3.20E+03	0.00E+00	3.20E+03
			Ba-140	<7.09E+01	0.00E+00	7.09E+01

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 612 [INDICATOR - -- @ 0 miles]

Sample ID:	364649	Sample Dates: 12/2/2014 - 12/2/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3GW	<8.66E+00	0.00E+00	2.52E+02

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

Sample Point 500 [INDICATOR - SSW @ 5 miles]

Sample ID:	294714	Sample Dates: 5/1/2014 - 5/1/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<7.25E+00	0.00E+00	7.25E+00
			Co-58	<7.59E+00	0.00E+00	7.59E+00
			Fe-59	<1.47E+01	0.00E+00	1.47E+01
			Co-60	<7.88E+00	0.00E+00	7.88E+00
			Zn-65	<1.62E+01	0.00E+00	1.62E+01
			Zr-95	<1.13E+01	0.00E+00	1.13E+01
			Nb-95	<6.93E+00	0.00E+00	6.93E+00
			I-131	<1.29E+01	0.00E+00	1.29E+01
			Cs-134	<6.42E+00	0.00E+00	6.42E+00
			Cs-137	<8.92E+00	0.00E+00	8.92E+00
			Be-7	<7.99E+01	0.00E+00	7.99E+01
			K-40	8.10E+02	7.49E+01	7.38E+01
			Co-57	<6.69E+00	0.00E+00	6.69E+00
			Mo-99	<2.74E+02	0.00E+00	2.74E+02
			Ag-110M	<6.19E+00	0.00E+00	6.19E+00
			Sb-122	<4.75E+01	0.00E+00	4.75E+01
			Sb-125	<2.05E+01	0.00E+00	2.05E+01
Sample ID:	361060	Sample Dates: 11/3/2014 - 11/3/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<1.41E+01	0.00E+00	1.41E+01
			Co-58	<1.27E+01	0.00E+00	1.27E+01
			Fe-59	<2.34E+01	0.00E+00	2.34E+01
			Co-60	<1.48E+01	0.00E+00	1.48E+01
			Zn-65	<3.22E+01	0.00E+00	3.22E+01
			Zr-95	<1.93E+01	0.00E+00	1.93E+01
			Nb-95	<1.17E+01	0.00E+00	1.17E+01
			I-131	<1.16E+01	0.00E+00	1.16E+01
			Cs-134	<1.58E+01	0.00E+00	1.58E+01
			Cs-137	<1.36E+01	0.00E+00	1.36E+01
			Be-7	<1.11E+02	0.00E+00	1.11E+02
			K-40	1.62E+03	3.12E+02	3.34E+01
			Co-57	<1.15E+01	0.00E+00	1.15E+01
			Mo-99	<2.33E+02	0.00E+00	2.33E+02
			Ag-110M	<1.27E+01	0.00E+00	1.27E+01
			Sb-122	<3.65E+01	0.00E+00	3.65E+01
			Sb-125	<4.05E+01	0.00E+00	4.05E+01

Sample Point 501 [INDICATOR - -- @ 0 miles]

Sample ID:	298318	Sample Dates: 6/17/2014 - 6/17/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<3.79E+01	0.00E+00	3.79E+01
			Co-58	<3.59E+01	0.00E+00	3.59E+01
			Fe-59	<8.16E+01	0.00E+00	8.16E+01
			Co-60	<2.81E+01	0.00E+00	2.81E+01
			Zn-65	<7.69E+01	0.00E+00	7.69E+01
			Zr-95	<8.11E+01	0.00E+00	8.11E+01
			Nb-95	<6.73E+01	0.00E+00	6.73E+01
			I-131	<6.58E+02	0.00E+00	6.58E+02
			Cs-134	<2.52E+01	0.00E+00	2.52E+01
			Cs-137	1.32E+02	3.83E+01	4.31E+01
			Be-7	4.61E+02	3.29E+02	5.06E+02
			K-40	8.95E+03	1.18E+03	5.00E+02
			Fe-55	<1.20E+04	0.00E+00	1.20E+04
			Sr-89	<7.48E+02	0.00E+00	7.48E+02
			Sr-90	<5.67E+02	0.00E+00	5.67E+02
Sample ID:	366200	Sample Dates: 12/9/2014 - 12/9/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Fe-55	<1.10E+04	0.00E+00	1.10E+04
			Sr-89	<1.52E+03	0.00E+00	1.52E+03
			Sr-90	<9.77E+02	0.00E+00	9.77E+02

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

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

Sample Point 501 [INDICATOR - -- @ 0 miles]

Sample ID:	366200	Sample Dates: 12/9/2014 - 12/9/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Cs-134	<4.21E+01	0.00E+00	4.21E+01
			Cs-137	1.21E+02	1.92E+01	4.59E+01

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

Sample Point 400 [CONTROL - NE @ 0.6 miles]

Sample ID:	284093	Sample Dates: 1/2/2014 - 2/3/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<2.35E+00	0.00E+00	2.35E+00
			Co-58	<2.87E+00	0.00E+00	2.87E+00
			Fe-59	<5.94E+00	0.00E+00	5.94E+00
			Co-60	<2.01E+00	0.00E+00	2.01E+00
			Zn-65	<5.22E+00	0.00E+00	5.22E+00
			Zr-95	<4.54E+00	0.00E+00	4.54E+00
			Nb-95	<3.27E+00	0.00E+00	3.27E+00
			I-131	<1.19E+01	0.00E+00	1.19E+01
			Cs-134	<2.14E+00	0.00E+00	2.14E+00
			Cs-137	<2.11E+00	0.00E+00	2.11E+00
			BaLa-140	<7.46E+00	0.00E+00	7.46E+00
			H3SW	<7.81E+01	0.00E+00	1.47E+02
Sample ID:	286668	Sample Dates: 2/3/2014 - 3/2/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<2.59E+00	0.00E+00	2.59E+00
			Co-58	<2.28E+00	0.00E+00	2.28E+00
			Fe-59	<5.97E+00	0.00E+00	5.97E+00
			Co-60	<3.27E+00	0.00E+00	3.27E+00
			Zn-65	<5.35E+00	0.00E+00	5.35E+00
			Zr-95	<4.92E+00	0.00E+00	4.92E+00
			Nb-95	<3.43E+00	0.00E+00	3.43E+00
			I-131	<1.42E+01	0.00E+00	1.42E+01
			Cs-134	<2.16E+00	0.00E+00	2.16E+00
			Cs-137	<2.33E+00	0.00E+00	2.33E+00
			BaLa-140	<9.99E+00	0.00E+00	9.99E+00
			H3SW	<2.81E+01	0.00E+00	1.84E+02
Sample ID:	289763	Sample Dates: 3/2/2014 - 4/1/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<3.17E+00	0.00E+00	3.17E+00
			Co-58	<3.65E+00	0.00E+00	3.65E+00
			Fe-59	<6.44E+00	0.00E+00	6.44E+00
			Co-60	<3.49E+00	0.00E+00	3.49E+00
			Zn-65	<6.83E+00	0.00E+00	6.83E+00
			Zr-95	<5.70E+00	0.00E+00	5.70E+00
			Nb-95	<4.53E+00	0.00E+00	4.53E+00
			I-131	<1.27E+01	0.00E+00	1.27E+01
			Cs-134	<3.17E+00	0.00E+00	3.17E+00
			Cs-137	<3.73E+00	0.00E+00	3.73E+00
			BaLa-140	<8.65E+00	0.00E+00	8.65E+00
			H3SW	<1.31E+02	0.00E+00	1.88E+02
Sample ID:	294711	Sample Dates: 4/1/2014 - 5/1/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<3.00E+00	0.00E+00	3.00E+00
			Co-58	<3.33E+00	0.00E+00	3.33E+00
			Fe-59	<5.00E+00	0.00E+00	5.00E+00
			Co-60	<4.14E+00	0.00E+00	4.14E+00
			Zn-65	<6.55E+00	0.00E+00	6.55E+00
			Zr-95	<5.12E+00	0.00E+00	5.12E+00
			Nb-95	<4.47E+00	0.00E+00	4.47E+00
			I-131	<1.45E+01	0.00E+00	1.45E+01
			Cs-134	<2.46E+00	0.00E+00	2.46E+00
			Cs-137	<3.63E+00	0.00E+00	3.63E+00
			BaLa-140	<1.03E+01	0.00E+00	1.03E+01
			H3SW	<3.40E+01	0.00E+00	1.87E+02
Sample ID:	296357	Sample Dates: 5/1/2014 - 6/2/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<1.44E+00	0.00E+00	1.44E+00
			Co-58	<1.78E+00	0.00E+00	1.78E+00
			Fe-59	<4.30E+00	0.00E+00	4.30E+00

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

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

Sample Point 400 [CONTROL - NE @ 0.6 miles]

Sample ID: 296357 Sample Dates: 5/1/2014 - 6/2/2014

Nuclide	Activity	Sigma Error [1]	LLD
Co-60	<1.91E+00	0.00E+00	1.91E+00
Zn-65	<3.44E+00	0.00E+00	3.44E+00
Zr-95	<3.18E+00	0.00E+00	3.18E+00
Nb-95	<2.45E+00	0.00E+00	2.45E+00
I-131	<1.22E+01	0.00E+00	1.22E+01
Cs-134	<1.50E+00	0.00E+00	1.50E+00
Cs-137	<1.82E+00	0.00E+00	1.82E+00
BaLa-140	<5.78E+00	0.00E+00	5.78E+00
H3SW	<-8.1E+01	0.00E+00	1.89E+02

Sample ID: 298113 Sample Dates: 6/2/2014 - 7/1/2014

Nuclide	Activity	Sigma Error [1]	LLD
Mn-54	<2.32E+00	0.00E+00	2.32E+00
Co-58	<2.73E+00	0.00E+00	2.73E+00
Fe-59	<6.69E+00	0.00E+00	6.69E+00
Co-60	<3.03E+00	0.00E+00	3.03E+00
Zn-65	<5.57E+00	0.00E+00	5.57E+00
Zr-95	<5.08E+00	0.00E+00	5.08E+00
Nb-95	<3.62E+00	0.00E+00	3.62E+00
I-131	<1.36E+01	0.00E+00	1.36E+01
Cs-134	<2.11E+00	0.00E+00	2.11E+00
Cs-137	<2.75E+00	0.00E+00	2.75E+00
BaLa-140	<8.05E+00	0.00E+00	8.05E+00
H3SW	<-6.4E+01	0.00E+00	1.95E+02

Sample ID: 352403 Sample Dates: 7/1/2014 - 8/1/2014

Nuclide	Activity	Sigma Error [1]	LLD
Mn-54	<1.71E+00	0.00E+00	1.71E+00
Co-58	<1.88E+00	0.00E+00	1.88E+00
Fe-59	<4.83E+00	0.00E+00	4.83E+00
Co-60	<2.25E+00	0.00E+00	2.25E+00
Zn-65	<4.11E+00	0.00E+00	4.11E+00
Zr-95	<3.79E+00	0.00E+00	3.79E+00
Nb-95	<2.60E+00	0.00E+00	2.60E+00
I-131	<1.05E+01	0.00E+00	1.05E+01
Cs-134	<1.73E+00	0.00E+00	1.73E+00
Cs-137	<1.91E+00	0.00E+00	1.91E+00
BaLa-140	<5.22E+00	0.00E+00	5.22E+00
H3SW	<-4.8E+01	0.00E+00	1.99E+02

Sample ID: 354868 Sample Dates: 8/1/2014 - 9/2/2014

Nuclide	Activity	Sigma Error [1]	LLD
Mn-54	<8.30E-01	0.00E+00	8.30E-01
Co-58	<9.77E-01	0.00E+00	9.77E-01
Fe-59	<2.21E+00	0.00E+00	2.21E+00
Co-60	<7.41E-01	0.00E+00	7.41E-01
Zn-65	<1.76E+00	0.00E+00	1.76E+00
Zr-95	<1.78E+00	0.00E+00	1.78E+00
Nb-95	<1.44E+00	0.00E+00	1.44E+00
I-131	<1.12E+01	0.00E+00	1.12E+01
Cs-134	<8.93E-01	0.00E+00	8.93E-01
Cs-137	<7.07E-01	0.00E+00	7.07E-01
BaLa-140	<3.49E+00	0.00E+00	3.49E+00
H3SW	<1.42E+01	0.00E+00	1.85E+02

Sample ID: 358321 Sample Dates: 9/2/2014 - 10/1/2014

Nuclide	Activity	Sigma Error [1]	LLD
Mn-54	<2.27E+00	0.00E+00	2.27E+00
Co-58	<2.77E+00	0.00E+00	2.77E+00
Fe-59	<5.41E+00	0.00E+00	5.41E+00
Co-60	<2.19E+00	0.00E+00	2.19E+00
Zn-65	<5.16E+00	0.00E+00	5.16E+00
Zr-95	<4.27E+00	0.00E+00	4.27E+00
Nb-95	<3.20E+00	0.00E+00	3.20E+00
I-131	<1.17E+01	0.00E+00	1.17E+01
Cs-134	<2.07E+00	0.00E+00	2.07E+00
Cs-137	<2.60E+00	0.00E+00	2.60E+00
BaLa-140	<7.00E+00	0.00E+00	7.00E+00
H3SW	<-1.3E+02	0.00E+00	1.89E+02

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

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

Sample Point 400 [CONTROL - NE @ 0.6 miles]

Sample ID:	361057	Sample Dates: 10/1/2014 - 11/3/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<2.70E+00	0.00E+00	2.70E+00
			Co-58	<2.53E+00	0.00E+00	2.53E+00
			Fe-59	<6.11E+00	0.00E+00	6.11E+00
			Co-60	<2.30E+00	0.00E+00	2.30E+00
			Zn-65	<5.34E+00	0.00E+00	5.34E+00
			Zr-95	<5.54E+00	0.00E+00	5.54E+00
			Nb-95	<3.74E+00	0.00E+00	3.74E+00
			I-131	<1.08E+01	0.00E+00	1.08E+01
			Cs-134	<2.98E+00	0.00E+00	2.98E+00
			Cs-137	<2.59E+00	0.00E+00	2.59E+00
			BaLa-140	<7.73E+00	0.00E+00	7.73E+00
			H3SW	<5.54E+01	0.00E+00	1.71E+02
Sample ID:	363743	Sample Dates: 11/3/2014 - 12/1/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<1.30E+00	0.00E+00	1.30E+00
			Co-58	<1.50E+00	0.00E+00	1.50E+00
			Fe-59	<3.17E+00	0.00E+00	3.17E+00
			Co-60	<1.21E+00	0.00E+00	1.21E+00
			Zn-65	<2.63E+00	0.00E+00	2.63E+00
			Zr-95	<2.86E+00	0.00E+00	2.86E+00
			Nb-95	<2.03E+00	0.00E+00	2.03E+00
			I-131	<1.12E+01	0.00E+00	1.12E+01
			Cs-134	<1.45E+00	0.00E+00	1.45E+00
			Cs-137	<1.16E+00	0.00E+00	1.16E+00
			BaLa-140	<4.69E+00	0.00E+00	4.69E+00
			H3SW	<1.64E+01	0.00E+00	1.78E+02
Sample ID:	365697	Sample Dates: 12/1/2014 - 1/5/2015	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<1.84E+00	0.00E+00	1.84E+00
			Co-58	<1.59E+00	0.00E+00	1.59E+00
			Fe-59	<4.58E+00	0.00E+00	4.58E+00
			Co-60	<1.90E+00	0.00E+00	1.90E+00
			Zn-65	<3.94E+00	0.00E+00	3.94E+00
			Zr-95	<2.73E+00	0.00E+00	2.73E+00
			Nb-95	<2.73E+00	0.00E+00	2.73E+00
			I-131	<1.20E+01	0.00E+00	1.20E+01
			Cs-134	<1.99E+00	0.00E+00	1.99E+00
			Cs-137	<1.41E+00	0.00E+00	1.41E+00
			BaLa-140	<5.64E+00	0.00E+00	5.64E+00
			H3SW	<-1.1E+02	0.00E+00	1.96E+02

Sample Point 401 [INDICATOR - SSW @ 4.9 miles]

Sample ID:	284094	Sample Dates: 1/2/2014 - 2/3/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<2.01E+00	0.00E+00	2.01E+00
			Co-58	<2.92E+00	0.00E+00	2.92E+00
			Fe-59	<6.65E+00	0.00E+00	6.65E+00
			Co-60	<2.65E+00	0.00E+00	2.65E+00
			Zn-65	<5.09E+00	0.00E+00	5.09E+00
			Zr-95	<5.13E+00	0.00E+00	5.13E+00
			Nb-95	<3.56E+00	0.00E+00	3.56E+00
			I-131	<1.34E+01	0.00E+00	1.34E+01
			Cs-134	<2.50E+00	0.00E+00	2.50E+00
			Cs-137	<2.24E+00	0.00E+00	2.24E+00
			BaLa-140	<7.05E+00	0.00E+00	7.05E+00
			H3SW	<1.23E+02	0.00E+00	1.47E+02
Sample ID:	286669	Sample Dates: 2/3/2014 - 3/2/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<2.23E+00	0.00E+00	2.23E+00
			Co-58	<2.66E+00	0.00E+00	2.66E+00
			Fe-59	<6.68E+00	0.00E+00	6.68E+00
			Co-60	<3.12E+00	0.00E+00	3.12E+00
			Zn-65	<5.16E+00	0.00E+00	5.16E+00
			Zr-95	<4.90E+00	0.00E+00	4.90E+00
			Nb-95	<3.36E+00	0.00E+00	3.36E+00
			I-131	<1.44E+01	0.00E+00	1.44E+01

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

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

Sample Point 401 [INDICATOR - SSW @ 4.9 miles]

Sample ID:	286669	Sample Dates: 2/3/2014 - 3/2/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Cs-134	<2.08E+00	0.00E+00	2.08E+00
			Cs-137	<2.50E+00	0.00E+00	2.50E+00
			BaLa-140	<8.64E+00	0.00E+00	8.64E+00
			H3SW	<1.28E+02	0.00E+00	1.83E+02
Sample ID:	289764	Sample Dates: 3/2/2014 - 4/1/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<3.09E+00	0.00E+00	3.09E+00
			Co-58	<3.58E+00	0.00E+00	3.58E+00
			Fe-59	<7.05E+00	0.00E+00	7.05E+00
			Co-60	<3.18E+00	0.00E+00	3.18E+00
			Zn-65	<6.14E+00	0.00E+00	6.14E+00
			Zr-95	<6.29E+00	0.00E+00	6.29E+00
			Nb-95	<3.60E+00	0.00E+00	3.60E+00
			I-131	<1.43E+01	0.00E+00	1.43E+01
			Cs-134	<3.25E+00	0.00E+00	3.25E+00
			Cs-137	<3.38E+00	0.00E+00	3.38E+00
			BaLa-140	<8.84E+00	0.00E+00	8.84E+00
			H3SW	5.55E+02	6.58E+01	1.87E+02
Sample ID:	294712	Sample Dates: 4/1/2014 - 5/1/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<2.96E+00	0.00E+00	2.96E+00
			Co-58	<2.96E+00	0.00E+00	2.96E+00
			Fe-59	<6.55E+00	0.00E+00	6.55E+00
			Co-60	<2.74E+00	0.00E+00	2.74E+00
			Zn-65	<6.25E+00	0.00E+00	6.25E+00
			Zr-95	<5.45E+00	0.00E+00	5.45E+00
			Nb-95	<3.68E+00	0.00E+00	3.68E+00
			I-131	<1.26E+01	0.00E+00	1.26E+01
			Cs-134	<2.38E+00	0.00E+00	2.38E+00
			Cs-137	<3.01E+00	0.00E+00	3.01E+00
			BaLa-140	<7.79E+00	0.00E+00	7.79E+00
			H3SW	<3.91E+01	0.00E+00	1.89E+02
Sample ID:	296358	Sample Dates: 5/1/2014 - 6/2/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<1.75E+00	0.00E+00	1.75E+00
			Co-58	<1.86E+00	0.00E+00	1.86E+00
			Fe-59	<4.46E+00	0.00E+00	4.46E+00
			Co-60	<1.59E+00	0.00E+00	1.59E+00
			Zn-65	<3.40E+00	0.00E+00	3.40E+00
			Zr-95	<3.63E+00	0.00E+00	3.63E+00
			Nb-95	<2.45E+00	0.00E+00	2.45E+00
			I-131	<1.17E+01	0.00E+00	1.17E+01
			Cs-134	<1.47E+00	0.00E+00	1.47E+00
			Cs-137	<1.63E+00	0.00E+00	1.63E+00
			BaLa-140	<5.08E+00	0.00E+00	5.08E+00
			H3SW	<-7.4E+01	0.00E+00	1.89E+02
Sample ID:	298114	Sample Dates: 6/2/2014 - 7/1/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<2.77E+00	0.00E+00	2.77E+00
			Co-58	<2.81E+00	0.00E+00	2.81E+00
			Fe-59	<6.31E+00	0.00E+00	6.31E+00
			Co-60	<2.80E+00	0.00E+00	2.80E+00
			Zn-65	<5.80E+00	0.00E+00	5.80E+00
			Zr-95	<5.53E+00	0.00E+00	5.53E+00
			Nb-95	<3.77E+00	0.00E+00	3.77E+00
			I-131	<1.45E+01	0.00E+00	1.45E+01
			Cs-134	<2.36E+00	0.00E+00	2.36E+00
			Cs-137	<2.60E+00	0.00E+00	2.60E+00
			BaLa-140	<7.26E+00	0.00E+00	7.26E+00
			H3SW	<-3.8E+01	0.00E+00	1.94E+02
Sample ID:	352404	Sample Dates: 7/1/2014 - 8/1/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<1.66E+00	0.00E+00	1.66E+00
			Co-58	<2.02E+00	0.00E+00	2.02E+00
			Fe-59	<4.73E+00	0.00E+00	4.73E+00
			Co-60	<1.65E+00	0.00E+00	1.65E+00
			Zn-65	<3.73E+00	0.00E+00	3.73E+00

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 401 [INDICATOR - SSW @ 4.9 miles]

Sample ID:	352404	Sample Dates: 7/1/2014 - 8/1/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Zr-95	<3.97E+00	0.00E+00	3.97E+00
			Nb-95	<2.68E+00	0.00E+00	2.68E+00
			I-131	<1.15E+01	0.00E+00	1.15E+01
			Cs-134	<1.36E+00	0.00E+00	1.36E+00
			Cs-137	<1.69E+00	0.00E+00	1.69E+00
			BaLa-140	<5.47E+00	0.00E+00	5.47E+00
			H3SW	<5.77E+01	0.00E+00	1.99E+02
Sample ID:	354869	Sample Dates: 8/1/2014 - 9/2/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<2.40E+00	0.00E+00	2.40E+00
			Co-58	<2.74E+00	0.00E+00	2.74E+00
			Fe-59	<5.77E+00	0.00E+00	5.77E+00
			Co-60	<2.14E+00	0.00E+00	2.14E+00
			Zn-65	<4.63E+00	0.00E+00	4.63E+00
			Zr-95	<4.87E+00	0.00E+00	4.87E+00
			Nb-95	<3.60E+00	0.00E+00	3.60E+00
			I-131	<1.08E+01	0.00E+00	1.08E+01
			Cs-134	<3.04E+00	0.00E+00	3.04E+00
			Cs-137	<2.47E+00	0.00E+00	2.47E+00
			BaLa-140	<6.18E+00	0.00E+00	6.18E+00
			H3SW	<8.04E+01	0.00E+00	1.85E+02
Sample ID:	358322	Sample Dates: 9/2/2014 - 10/1/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<2.10E+00	0.00E+00	2.10E+00
			Co-58	<2.26E+00	0.00E+00	2.26E+00
			Fe-59	<4.55E+00	0.00E+00	4.55E+00
			Co-60	<2.28E+00	0.00E+00	2.28E+00
			Zn-65	<4.92E+00	0.00E+00	4.92E+00
			Zr-95	<4.70E+00	0.00E+00	4.70E+00
			Nb-95	<3.18E+00	0.00E+00	3.18E+00
			I-131	<1.16E+01	0.00E+00	1.16E+01
			Cs-134	<2.34E+00	0.00E+00	2.34E+00
			Cs-137	<2.04E+00	0.00E+00	2.04E+00
			BaLa-140	<5.04E+00	0.00E+00	5.04E+00
			H3SW	<7.47E+01	0.00E+00	1.90E+02
Sample ID:	361058	Sample Dates: 10/1/2014 - 11/3/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<2.51E+00	0.00E+00	2.51E+00
			Co-58	<3.32E+00	0.00E+00	3.32E+00
			Fe-59	<6.35E+00	0.00E+00	6.35E+00
			Co-60	<2.51E+00	0.00E+00	2.51E+00
			Zn-65	<6.73E+00	0.00E+00	6.73E+00
			Zr-95	<5.46E+00	0.00E+00	5.46E+00
			Nb-95	<3.94E+00	0.00E+00	3.94E+00
			I-131	<1.16E+01	0.00E+00	1.16E+01
			Cs-134	<3.29E+00	0.00E+00	3.29E+00
			Cs-137	<2.47E+00	0.00E+00	2.47E+00
			BaLa-140	<7.41E+00	0.00E+00	7.41E+00
			H3SW	<1.20E+02	0.00E+00	1.71E+02
Sample ID:	363744	Sample Dates: 11/3/2014 - 12/1/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<6.86E-01	0.00E+00	6.86E-01
			Co-58	<9.93E-01	0.00E+00	9.93E-01
			Fe-59	<2.07E+00	0.00E+00	2.07E+00
			Co-60	<7.27E-01	0.00E+00	7.27E-01
			Zn-65	<1.68E+00	0.00E+00	1.68E+00
			Zr-95	<1.59E+00	0.00E+00	1.59E+00
			Nb-95	<1.21E+00	0.00E+00	1.21E+00
			I-131	<1.19E+01	0.00E+00	1.19E+01
			Cs-134	<8.38E-01	0.00E+00	8.38E-01
			Cs-137	<6.83E-01	0.00E+00	6.83E-01
			BaLa-140	<4.41E+00	0.00E+00	4.41E+00
			H3SW	<6.15E+01	0.00E+00	1.80E+02
Sample ID:	365698	Sample Dates: 12/1/2014 - 1/5/2015	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<1.52E+00	0.00E+00	1.52E+00
			Co-58	<2.13E+00	0.00E+00	2.13E+00

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

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

Sample Point 401 [INDICATOR - SSW @ 4.9 miles]

Sample ID: 365698 **Sample Dates: 12/1/2014 - 1/5/2015**

Nuclide	Activity	Sigma Error [1]	LLD
Fe-59	<4.39E+00	0.00E+00	4.39E+00
Co-60	<1.62E+00	0.00E+00	1.62E+00
Zn-65	<3.58E+00	0.00E+00	3.58E+00
Zr-95	<3.23E+00	0.00E+00	3.23E+00
Nb-95	<2.30E+00	0.00E+00	2.30E+00
I-131	<1.16E+01	0.00E+00	1.16E+01
Cs-134	<2.01E+00	0.00E+00	2.01E+00
Cs-137	<1.61E+00	0.00E+00	1.61E+00
BaLa-140	<5.94E+00	0.00E+00	5.94E+00
H3SW	<1.50E+01	0.00E+00	1.96E+02

Sample Point 494 [INDICATOR - -- @ 0 miles]

Sample ID: 307015 **Sample Dates: 1/7/2014 - 1/7/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.80E+02	0.00E+00	3.00E+03

Sample ID: 307032 **Sample Dates: 1/15/2014 - 1/15/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.82E+02	0.00E+00	3.00E+03

Sample ID: 307046 **Sample Dates: 1/21/2014 - 1/21/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.82E+02	0.00E+00	3.00E+03

Sample ID: 307070 **Sample Dates: 1/28/2014 - 1/28/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.85E+02	0.00E+00	3.00E+03

Sample ID: 307126 **Sample Dates: 2/4/2014 - 2/4/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.78E+02	0.00E+00	3.00E+03

Sample ID: 307155 **Sample Dates: 2/11/2014 - 2/11/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.69E+02	0.00E+00	3.00E+03

Sample ID: 307206 **Sample Dates: 2/18/2014 - 2/18/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.78E+02	0.00E+00	3.00E+03

Sample ID: 307222 **Sample Dates: 2/25/2014 - 2/25/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.85E+02	0.00E+00	3.00E+03

Sample ID: 307274 **Sample Dates: 3/4/2014 - 3/4/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.73E+02	0.00E+00	3.00E+03

Sample ID: 307311 **Sample Dates: 3/11/2014 - 3/11/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.89E+02	0.00E+00	3.00E+03

Sample ID: 307341 **Sample Dates: 3/18/2014 - 3/18/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.75E+02	0.00E+00	3.00E+03

Sample ID: 307362 **Sample Dates: 3/24/2014 - 3/24/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.81E+02	0.00E+00	3.00E+03

Sample ID: 307425 **Sample Dates: 3/31/2014 - 3/31/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.94E+02	0.00E+00	3.00E+03

Sample ID: 307456 **Sample Dates: 4/8/2014 - 4/8/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.90E+02	0.00E+00	3.00E+03

Sample ID: 307477 **Sample Dates: 4/16/2014 - 4/16/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.78E+02	0.00E+00	3.00E+03

Sample ID: 307503 **Sample Dates: 4/22/2014 - 4/22/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.81E+02	0.00E+00	3.00E+03

Sample ID: 307573 **Sample Dates: 4/29/2014 - 4/29/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.48E+02	0.00E+00	3.00E+03

Sample ID: 307603 **Sample Dates: 5/6/2014 - 5/6/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.34E+02	0.00E+00	3.00E+03

Sample ID: 307626 **Sample Dates: 5/13/2014 - 5/13/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.28E+02	0.00E+00	3.00E+03

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
307663	5/20/2014 - 5/20/2014	H3SW	<2.30E+02	0.00E+00	3.00E+03
307689	5/27/2014 - 5/27/2014	H3SW	<2.38E+02	0.00E+00	3.00E+03
307717	6/3/2014 - 6/3/2014	H3SW	<2.36E+02	0.00E+00	3.00E+03
307766	6/10/2014 - 6/10/2014	H3SW	<2.38E+02	0.00E+00	3.00E+03
307799	6/17/2014 - 6/17/2014	H3SW	<2.47E+02	0.00E+00	3.00E+03
307818	6/24/2014 - 6/24/2014	H3SW	<2.44E+02	0.00E+00	3.00E+03
307865	7/1/2014 - 7/1/2014	H3SW	<2.40E+02	0.00E+00	3.00E+03
307891	7/7/2014 - 7/7/2014	H3SW	2.82E+02	0.00E+00	3.00E+03
307924	7/15/2014 - 7/15/2014	H3SW	<2.37E+02	0.00E+00	3.00E+03
307953	7/23/2014 - 7/23/2014	H3SW	<2.53E+02	0.00E+00	3.00E+03
307995	7/29/2014 - 7/29/2014	H3SW	<2.45E+02	0.00E+00	3.00E+03
308062	8/5/2014 - 8/5/2014	H3SW	<2.41E+02	0.00E+00	3.00E+03
308077	8/12/2014 - 8/12/2014	H3SW	<2.41E+02	0.00E+00	3.00E+03
308125	8/19/2014 - 8/19/2014	H3SW	<2.52E+02	0.00E+00	3.00E+03
308138	8/26/2014 - 8/26/2014	H3SW	<2.43E+02	0.00E+00	3.00E+03
308161	9/2/2014 - 9/2/2014	H3SW	<2.49E+02	0.00E+00	3.00E+03
308212	9/9/2014 - 9/9/2014	H3SW	<2.43E+02	0.00E+00	3.00E+03
308254	9/16/2014 - 9/16/2014	H3SW	<2.39E+02	0.00E+00	3.00E+03
308269	9/23/2014 - 9/23/2014	H3SW	<2.49E+02	0.00E+00	3.00E+03
359690	9/30/2014 - 9/30/2014	H3SW	<1.68E+02	0.00E+00	2.37E+02
359905	10/7/2014 - 10/7/2014	H3SW	<6.18E+01	0.00E+00	2.43E+02
360188	10/13/2014 - 10/13/2014	H3SW	<1.48E+02	0.00E+00	2.42E+02
360477	10/21/2014 - 10/21/2014	H3SW	<9.13E+01	0.00E+00	2.53E+02
361069	10/28/2014 - 10/28/2014	H3SW	<1.98E+02	0.00E+00	2.35E+02

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13339 Hagers Ferry Road
Huntersville, North Carolina 28078

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

Sample Point 494 [INDICATOR - -- @ 0 miles]

Sample ID:	361658	Sample Dates: 11/4/2014 - 11/4/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-8.9E+01	0.00E+00	2.45E+02
Sample ID:	364387	Sample Dates: 11/11/2014 - 11/11/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-1.8E+00	0.00E+00	2.39E+02
Sample ID:	364257	Sample Dates: 11/19/2014 - 11/19/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<0.00E+00	0.00E+00	2.44E+02
Sample ID:	365224	Sample Dates: 11/25/2014 - 11/25/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<5.90E+01	0.00E+00	2.40E+02
Sample ID:	365436	Sample Dates: 12/2/2014 - 12/2/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<4.34E+01	0.00E+00	2.37E+02
Sample ID:	365689	Sample Dates: 12/9/2014 - 12/9/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-1.4E+02	0.00E+00	2.49E+02
Sample ID:	366612	Sample Dates: 12/15/2014 - 12/15/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<1.42E+02	0.00E+00	2.48E+02
Sample ID:	366784	Sample Dates: 12/22/2014 - 12/22/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-4.2E+01	0.00E+00	2.49E+02
Sample ID:	366899	Sample Dates: 12/29/2014 - 12/29/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<4.98E+01	0.00E+00	2.55E+02

Sample Point 495 [INDICATOR - -- @ 0 miles]

Sample ID:	306997	Sample Dates: 1/7/2014 - 1/7/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.88E+02	0.00E+00	3.00E+03
Sample ID:	307016	Sample Dates: 1/15/2014 - 1/15/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.79E+02	0.00E+00	3.00E+03
Sample ID:	307041	Sample Dates: 1/21/2014 - 1/21/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.81E+02	0.00E+00	3.00E+03
Sample ID:	307072	Sample Dates: 1/28/2014 - 1/28/2014	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
Sample ID:	307057	Sample Dates: 1/28/2014 - 1/28/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.81E+02	0.00E+00	3.00E+03
Sample ID:	307130	Sample Dates: 2/4/2014 - 2/4/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.84E+02	0.00E+00	3.00E+03
Sample ID:	307132	Sample Dates: 2/11/2014 - 2/11/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.82E+02	0.00E+00	3.00E+03
Sample ID:	307194	Sample Dates: 2/18/2014 - 2/18/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.84E+02	0.00E+00	3.00E+03
Sample ID:	378742	Sample Dates: 2/25/2014 - 2/25/2014	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

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Sample ID:	378742	Sample Dates: 2/25/2014 - 2/25/2014	Nuclide	Activity	Sigma Error [1]	LLD
			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
Sample ID:	**307209**	**Sample Dates: 2/25/2014 - 2/25/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			H3SW	<2.81E+02	0.00E+00	3.00E+03
Sample ID:	**307263**	**Sample Dates: 3/4/2014 - 3/4/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			H3SW	<2.74E+02	0.00E+00	3.00E+03
Sample ID:	**307298**	**Sample Dates: 3/11/2014 - 3/11/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			H3SW	<2.77E+02	0.00E+00	3.00E+03
Sample ID:	**307324**	**Sample Dates: 3/18/2014 - 3/18/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			H3SW	<2.73E+02	0.00E+00	3.00E+03
Sample ID:	**307351**	**Sample Dates: 3/24/2014 - 3/24/2014**	**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
Sample ID:	**307361**	**Sample Dates: 3/24/2014 - 3/24/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			H3SW	<2.77E+02	0.00E+00	3.00E+03
Sample ID:	**307405**	**Sample Dates: 3/31/2014 - 3/31/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			H3SW	<2.81E+02	0.00E+00	3.00E+03
Sample ID:	**307435**	**Sample Dates: 4/8/2014 - 4/8/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			H3SW	<2.84E+02	0.00E+00	3.00E+03
Sample ID:	**307463**	**Sample Dates: 4/16/2014 - 4/16/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			H3SW	<2.76E+02	0.00E+00	3.00E+03
Sample ID:	**307478**	**Sample Dates: 4/22/2014 - 4/22/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			H3SW	<2.78E+02	0.00E+00	3.00E+03
Sample ID:	**307548**	**Sample Dates: 4/29/2014 - 4/29/2014**	**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
Sample ID:	**307558**	**Sample Dates: 4/29/2014 - 4/29/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			H3SW	<2.86E+02	0.00E+00	3.00E+03
Sample ID:	**307591**	**Sample Dates: 5/6/2014 - 5/6/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			H3SW	<2.40E+02	0.00E+00	3.00E+03
Sample ID:	**307629**	**Sample Dates: 5/13/2014 - 5/13/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			H3SW	<2.28E+02	0.00E+00	3.00E+03
Sample ID:	**307651**	**Sample Dates: 5/20/2014 - 5/20/2014**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
			H3SW	<2.32E+02	0.00E+00	3.00E+03

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 495 [INDICATOR - -- @ 0 miles]

Sample ID: 307638 **Sample Dates: 5/27/2014 - 5/27/2014**

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

Sample ID: 307690 **Sample Dates: 5/27/2014 - 5/27/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.32E+02	0.00E+00	3.00E+03

Sample ID: 307705 **Sample Dates: 6/3/2014 - 6/3/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.34E+02	0.00E+00	3.00E+03

Sample ID: 307718 **Sample Dates: 6/10/2014 - 6/10/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.33E+02	0.00E+00	3.00E+03

Sample ID: 307793 **Sample Dates: 6/13/2014 - 6/13/2014**

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

Sample ID: 307784 **Sample Dates: 6/17/2014 - 6/17/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.42E+02	0.00E+00	3.00E+03

Sample ID: 307803 **Sample Dates: 6/24/2014 - 6/24/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.41E+02	0.00E+00	3.00E+03

Sample ID: 307853 **Sample Dates: 7/1/2014 - 7/1/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.34E+02	0.00E+00	3.00E+03

Sample ID: 307872 **Sample Dates: 7/7/2014 - 7/7/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.38E+02	0.00E+00	3.00E+03

Sample ID: 307912 **Sample Dates: 7/15/2014 - 7/15/2014**

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
H3SW	<2.37E+02	0.00E+00	3.00E+03

Sample ID: 307932 **Sample Dates: 7/23/2014 - 7/23/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.37E+02	0.00E+00	3.00E+03

Sample ID: 308058 **Sample Dates: 7/29/2014 - 7/29/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.37E+02	0.00E+00	3.00E+03

Sample ID: 308050 **Sample Dates: 8/5/2014 - 8/5/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.41E+02	0.00E+00	3.00E+03

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

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

Sample Point 495 [INDICATOR - -- @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
308065	8/12/2014 - 8/12/2014	H3SW	<2.42E+02	0.00E+00	3.00E+03
308096	8/16/2014 - 8/16/2014	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
308103	8/19/2014 - 8/19/2014	H3SW	<2.41E+02	0.00E+00	3.00E+03
308126	8/26/2014 - 8/26/2014	H3SW	<2.32E+02	0.00E+00	3.00E+03
308149	9/2/2014 - 9/2/2014	H3SW	<2.43E+02	0.00E+00	3.00E+03
308200	9/9/2014 - 9/9/2014	H3SW	<2.48E+02	0.00E+00	3.00E+03
308255	9/16/2014 - 9/16/2014	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
308232	9/16/2014 - 9/16/2014	H3SW	<2.45E+02	0.00E+00	3.00E+03
308256	9/16/2014 - 9/16/2014	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
308258	9/23/2014 - 9/23/2014	H3SW	<2.50E+02	0.00E+00	3.00E+03
359403	9/30/2014 - 9/30/2014	H3SW	<-5.1E+01	0.00E+00	2.51E+02
359857	10/7/2014 - 10/7/2014	H3SW	<8.19E+01	0.00E+00	2.41E+02
360176	10/13/2014 - 10/13/2014	H3SW	<9.79E+01	0.00E+00	2.42E+02

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

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

Sample Point 495 [INDICATOR - -- @ 0 miles]

Sample ID:	360459	Sample Dates: 10/21/2014 - 10/21/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-2.4E+01	0.00E+00	2.48E+02
Sample ID:	360765	Sample Dates: 10/7/2014 - 10/28/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<6.38E+00	0.00E+00	6.37E+00
			Co-58	<1.07E+01	0.00E+00	1.07E+01
			Fe-59	<1.33E+01	0.00E+00	1.33E+01
			Co-60	<9.06E+00	0.00E+00	9.06E+00
			Zn-65	<1.49E+01	0.00E+00	1.49E+01
			Zr-95	<1.60E+01	0.00E+00	1.60E+01
			Nb-95	<1.16E+01	0.00E+00	1.16E+01
			I-131	<3.28E+01	0.00E+00	3.28E+01
			Cs-134	<9.45E+00	0.00E+00	9.45E+00
			Cs-137	<8.75E+00	0.00E+00	8.75E+00
			La-140	<1.09E+04	0.00E+00	1.09E+04
			Ba-140	<7.45E+01	0.00E+00	7.45E+01
Sample ID:	361002	Sample Dates: 10/28/2014 - 10/28/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<7.69E+01	0.00E+00	2.46E+02
Sample ID:	361139	Sample Dates: 11/4/2014 - 11/4/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<1.99E+01	0.00E+00	2.43E+02
Sample ID:	361827	Sample Dates: 11/11/2014 - 11/11/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<1.48E+02	0.00E+00	2.35E+02
Sample ID:	364245	Sample Dates: 11/19/2014 - 11/19/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.28E+02	0.00E+00	2.43E+02
Sample ID:	363577	Sample Dates: 11/4/2014 - 11/25/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<8.69E+00	0.00E+00	8.69E+00
			Co-58	<9.68E+00	0.00E+00	9.68E+00
			Fe-59	<2.31E+01	0.00E+00	2.31E+01
			Co-60	<6.85E+00	0.00E+00	6.85E+00
			Zn-65	<1.83E+01	0.00E+00	1.83E+01
			Zr-95	<1.61E+01	0.00E+00	1.61E+01
			Nb-95	<1.24E+01	0.00E+00	1.24E+01
			I-131	<3.42E+01	0.00E+00	3.42E+01
			Cs-134	<8.08E+00	0.00E+00	8.08E+00
			Cs-137	<1.01E+01	0.00E+00	1.01E+01
			La-140	<7.01E+03	0.00E+00	7.01E+03
			Ba-140	<6.59E+01	0.00E+00	6.59E+01
Sample ID:	365181	Sample Dates: 11/25/2014 - 11/25/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-4.3E+01	0.00E+00	2.42E+02
Sample ID:	365226	Sample Dates: 12/2/2014 - 12/2/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<7.66E+01	0.00E+00	2.40E+02
Sample ID:	365634	Sample Dates: 12/9/2014 - 12/9/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-7.8E+01	0.00E+00	2.50E+02
Sample ID:	366445	Sample Dates: 12/15/2014 - 12/15/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.22E+01	0.00E+00	2.48E+02
Sample ID:	366772	Sample Dates: 12/22/2014 - 12/22/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-1.7E+02	0.00E+00	2.53E+02
Sample ID:	365438	Sample Dates: 12/2/2014 - 12/29/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<1.03E+01	0.00E+00	1.03E+01
			Co-58	<8.38E+00	0.00E+00	8.38E+00
			Fe-59	<2.36E+01	0.00E+00	2.36E+01
			Co-60	<8.19E+00	0.00E+00	8.19E+00
			Zn-65	<2.13E+01	0.00E+00	2.13E+01
			Zr-95	<1.53E+01	0.00E+00	1.53E+01
			Nb-95	<1.08E+01	0.00E+00	1.08E+01
			I-131	<4.68E+01	0.00E+00	4.68E+01
			Cs-134	<9.12E+00	0.00E+00	9.11E+00
			Cs-137	<6.39E+00	0.00E+00	6.39E+00
			La-140	<4.26E+04	0.00E+00	4.26E+04

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

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

Sample Point 495 [INDICATOR - -- @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
365438	12/2/2014 - 12/29/2014	Ba-140	<8.66E+01	0.00E+00	8.66E+01
366848	12/29/2014 - 12/29/2014	H3SW	<7.93E+01	0.00E+00	2.46E+02

Sample Point 496 [INDICATOR - -- @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
306998	1/7/2014 - 1/7/2014	H3SW	<2.87E+02	0.00E+00	3.00E+03
307022	1/15/2014 - 1/15/2014	H3SW	<2.79E+02	0.00E+00	3.00E+03
307034	1/21/2014 - 1/21/2014	H3SW	<2.82E+02	0.00E+00	3.00E+03
307073	1/28/2014 - 1/28/2014	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
307058	1/28/2014 - 1/28/2014	H3SW	<2.85E+02	0.00E+00	3.00E+03
307096	2/4/2014 - 2/4/2014	H3SW	<2.83E+02	0.00E+00	3.00E+03
307136	2/11/2014 - 2/11/2014	H3SW	<2.84E+02	0.00E+00	3.00E+03
307195	2/18/2014 - 2/18/2014	H3SW	<2.78E+02	0.00E+00	3.00E+03
378743	2/25/2014 - 2/25/2014	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
307210	2/25/2014 - 2/25/2014	H3SW	<2.81E+02	0.00E+00	3.00E+03
307264	3/4/2014 - 3/4/2014	H3SW	<2.83E+02	0.00E+00	3.00E+03
307299	3/11/2014 - 3/11/2014	H3SW	<2.80E+02	0.00E+00	3.00E+03
307325	3/18/2014 - 3/18/2014	H3SW	<2.78E+02	0.00E+00	3.00E+03
307352	3/24/2014 - 3/24/2014	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) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 496 [INDICATOR - -- @ 0 miles]

Sample ID: 307352 **Sample Dates: 3/24/2014 - 3/24/2014**

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

Sample ID: 307353 **Sample Dates: 3/24/2014 - 3/24/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.82E+02	0.00E+00	3.00E+03

Sample ID: 307406 **Sample Dates: 3/31/2014 - 3/31/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.83E+02	0.00E+00	3.00E+03

Sample ID: 307436 **Sample Dates: 4/8/2014 - 4/8/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.86E+02	0.00E+00	3.00E+03

Sample ID: 307464 **Sample Dates: 4/16/2014 - 4/16/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.75E+02	0.00E+00	3.00E+03

Sample ID: 307492 **Sample Dates: 4/22/2014 - 4/22/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.74E+02	0.00E+00	3.00E+03

Sample ID: 307549 **Sample Dates: 4/29/2014 - 4/29/2014**

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

Sample ID: 307559 **Sample Dates: 4/29/2014 - 4/29/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.82E+02	0.00E+00	3.00E+03

Sample ID: 307592 **Sample Dates: 5/6/2014 - 5/6/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.40E+02	0.00E+00	3.00E+03

Sample ID: 307618 **Sample Dates: 5/13/2014 - 5/13/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.28E+02	0.00E+00	3.00E+03

Sample ID: 307652 **Sample Dates: 5/20/2014 - 5/20/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.36E+02	0.00E+00	3.00E+03

Sample ID: 307664 **Sample Dates: 5/27/2014 - 5/27/2014**

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

Sample ID: 307672 **Sample Dates: 5/27/2014 - 5/27/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.34E+02	0.00E+00	3.00E+03

Sample ID: 307706 **Sample Dates: 6/3/2014 - 6/3/2014**

Nuclide	Activity	Sigma Error [1]	LLD
H3SW	<2.36E+02	0.00E+00	3.00E+03

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

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

Sample Point 496 [INDICATOR - -- @ 0 miles]

Sample ID:	307760	Sample Dates: 6/10/2014 - 6/10/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.37E+02	0.00E+00	3.00E+03
Sample ID:	307795	Sample Dates: 6/13/2014 - 6/13/2014	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
Sample ID:	307785	Sample Dates: 6/17/2014 - 6/17/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.42E+02	0.00E+00	3.00E+03
Sample ID:	307804	Sample Dates: 6/24/2014 - 6/24/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.41E+02	0.00E+00	3.00E+03
Sample ID:	307854	Sample Dates: 7/1/2014 - 7/1/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.38E+02	0.00E+00	3.00E+03
Sample ID:	307873	Sample Dates: 7/7/2014 - 7/7/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.40E+02	0.00E+00	3.00E+03
Sample ID:	307913	Sample Dates: 7/15/2014 - 7/15/2014	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
			H3SW	<2.38E+02	0.00E+00	3.00E+03
Sample ID:	307933	Sample Dates: 7/23/2014 - 7/23/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.37E+02	0.00E+00	3.00E+03
Sample ID:	307978	Sample Dates: 7/29/2014 - 7/29/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.38E+02	0.00E+00	3.00E+03
Sample ID:	308051	Sample Dates: 8/5/2014 - 8/5/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.42E+02	0.00E+00	3.00E+03
Sample ID:	308066	Sample Dates: 8/12/2014 - 8/12/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.45E+02	0.00E+00	3.00E+03
Sample ID:	308099	Sample Dates: 8/16/2014 - 8/16/2014	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
Sample ID:	308104	Sample Dates: 8/19/2014 - 8/19/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.37E+02	0.00E+00	3.00E+03

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 496 [INDICATOR - -- @ 0 miles]

Sample ID:	308127	Sample Dates: 8/26/2014 - 8/26/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.53E+02	0.00E+00	3.00E+03
Sample ID:	308150	Sample Dates: 9/2/2014 - 9/2/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.42E+02	0.00E+00	3.00E+03
Sample ID:	308201	Sample Dates: 9/9/2014 - 9/9/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.48E+02	0.00E+00	3.00E+03
Sample ID:	308257	Sample Dates: 9/16/2014 - 9/16/2014	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
Sample ID:	308225	Sample Dates: 9/16/2014 - 9/16/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.43E+02	0.00E+00	3.00E+03
Sample ID:	308259	Sample Dates: 9/23/2014 - 9/23/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.50E+02	0.00E+00	3.00E+03
Sample ID:	359404	Sample Dates: 9/30/2014 - 9/30/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<1.62E+02	0.00E+00	2.48E+02
Sample ID:	359858	Sample Dates: 10/7/2014 - 10/7/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-4.6E+01	0.00E+00	2.45E+02
Sample ID:	360177	Sample Dates: 10/13/2014 - 10/13/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<1.39E+02	0.00E+00	2.45E+02
Sample ID:	360460	Sample Dates: 10/21/2014 - 10/21/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-8.7E+00	0.00E+00	2.47E+02
Sample ID:	360766	Sample Dates: 10/7/2014 - 10/28/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<6.38E+00	0.00E+00	6.38E+00
			Co-58	<8.90E+00	0.00E+00	8.90E+00
			Fe-59	<2.00E+01	0.00E+00	2.00E+01
			Co-60	<9.27E+00	0.00E+00	9.27E+00
			Zn-65	<1.49E+01	0.00E+00	1.49E+01
			Zr-95	<1.04E+01	0.00E+00	1.04E+01
			Nb-95	<1.09E+01	0.00E+00	1.09E+01
			I-131	<3.36E+01	0.00E+00	3.36E+01
			Cs-134	<8.29E+00	0.00E+00	8.29E+00
			Cs-137	<9.04E+00	0.00E+00	9.03E+00
			La-140	<7.00E+03	0.00E+00	7.00E+03
			Ba-140	<7.32E+01	0.00E+00	7.32E+01
Sample ID:	361003	Sample Dates: 10/28/2014 - 10/28/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<1.00E+02	0.00E+00	2.46E+02
Sample ID:	361140	Sample Dates: 11/4/2014 - 11/4/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<9.03E+00	0.00E+00	2.43E+02
Sample ID:	361828	Sample Dates: 11/11/2014 - 11/11/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-5.8E+01	0.00E+00	2.34E+02
Sample ID:	364246	Sample Dates: 11/19/2014 - 11/19/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<1.18E+02	0.00E+00	2.42E+02
Sample ID:	363578	Sample Dates: 11/4/2014 - 11/25/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<6.82E+00	0.00E+00	6.82E+00
			Co-58	<1.01E+01	0.00E+00	1.01E+01
			Fe-59	<1.89E+01	0.00E+00	1.89E+01

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

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

Sample Point 496 [INDICATOR - -- @ 0 miles]

Sample ID:	363578	Sample Dates: 11/4/2014 - 11/25/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Co-60	<7.66E+00	0.00E+00	7.66E+00
			Zn-65	<2.02E+01	0.00E+00	2.02E+01
			Zr-95	<1.80E+01	0.00E+00	1.80E+01
			Nb-95	<1.42E+01	0.00E+00	1.42E+01
			I-131	<3.61E+01	0.00E+00	3.61E+01
			Cs-134	<8.80E+00	0.00E+00	8.80E+00
			Cs-137	<8.75E+00	0.00E+00	8.75E+00
			La-140	<7.24E+03	0.00E+00	7.24E+03
			Ba-140	<7.69E+01	0.00E+00	7.69E+01
Sample ID:	365182	Sample Dates: 11/25/2014 - 11/25/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.43E+01	0.00E+00	2.42E+02
Sample ID:	365227	Sample Dates: 12/2/2014 - 12/2/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<1.55E+02	0.00E+00	2.38E+02
Sample ID:	365639	Sample Dates: 12/9/2014 - 12/9/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-4.9E+01	0.00E+00	2.51E+02
Sample ID:	366447	Sample Dates: 12/15/2014 - 12/15/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<6.30E+01	0.00E+00	2.48E+02
Sample ID:	366773	Sample Dates: 12/22/2014 - 12/22/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-9.0E+01	0.00E+00	2.54E+02
Sample ID:	365439	Sample Dates: 12/2/2014 - 12/29/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<8.42E+00	0.00E+00	8.43E+00
			Co-58	<8.84E+00	0.00E+00	8.84E+00
			Fe-59	<1.88E+01	0.00E+00	1.88E+01
			Co-60	<7.67E+00	0.00E+00	7.67E+00
			Zn-65	<2.13E+01	0.00E+00	2.13E+01
			Zr-95	<1.75E+01	0.00E+00	1.75E+01
			Nb-95	<1.31E+01	0.00E+00	1.31E+01
			I-131	<4.79E+01	0.00E+00	4.79E+01
			Cs-134	<8.32E+00	0.00E+00	8.32E+00
			Cs-137	<9.04E+00	0.00E+00	9.04E+00
			La-140	<3.83E+04	0.00E+00	3.83E+04
			Ba-140	<7.98E+01	0.00E+00	7.98E+01
Sample ID:	366849	Sample Dates: 12/29/2014 - 12/29/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<7.96E+01	0.00E+00	2.47E+02

Sample Point 497 [INDICATOR - -- @ 0 miles]

Sample ID:	306999	Sample Dates: 1/7/2014 - 1/7/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.90E+02	0.00E+00	3.00E+03
Sample ID:	307017	Sample Dates: 1/15/2014 - 1/15/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.79E+02	0.00E+00	3.00E+03
Sample ID:	307035	Sample Dates: 1/21/2014 - 1/21/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.82E+02	0.00E+00	3.00E+03
Sample ID:	307074	Sample Dates: 1/28/2014 - 1/28/2014	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
Sample ID:	307059	Sample Dates: 1/28/2014 - 1/28/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.85E+02	0.00E+00	3.00E+03

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

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

Sample Point 497 [INDICATOR - -- @ 0 miles]

Sample ID:	307114	Sample Dates: 2/4/2014 - 2/4/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.76E+02	0.00E+00	3.00E+03
Sample ID:	307137	Sample Dates: 2/11/2014 - 2/11/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.86E+02	0.00E+00	3.00E+03
Sample ID:	307196	Sample Dates: 2/18/2014 - 2/18/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.82E+02	0.00E+00	3.00E+03
Sample ID:	378744	Sample Dates: 2/25/2014 - 2/25/2014	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
Sample ID:	307211	Sample Dates: 2/25/2014 - 2/25/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.81E+02	0.00E+00	3.00E+03
Sample ID:	307265	Sample Dates: 3/4/2014 - 3/4/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.79E+02	0.00E+00	3.00E+03
Sample ID:	307312	Sample Dates: 3/11/2014 - 3/11/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.82E+02	0.00E+00	3.00E+03
Sample ID:	307326	Sample Dates: 3/18/2014 - 3/18/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.76E+02	0.00E+00	3.00E+03
Sample ID:	307359	Sample Dates: 3/24/2014 - 3/24/2014	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
Sample ID:	307354	Sample Dates: 3/24/2014 - 3/24/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.83E+02	0.00E+00	3.00E+03
Sample ID:	307411	Sample Dates: 3/31/2014 - 3/31/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.78E+02	0.00E+00	3.00E+03
Sample ID:	307437	Sample Dates: 4/8/2014 - 4/8/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.85E+02	0.00E+00	3.00E+03
Sample ID:	307465	Sample Dates: 4/16/2014 - 4/16/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.76E+02	0.00E+00	3.00E+03
Sample ID:	307493	Sample Dates: 4/22/2014 - 4/22/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.75E+02	0.00E+00	3.00E+03
Sample ID:	307556	Sample Dates: 4/29/2014 - 4/29/2014	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

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

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

Sample Point 497 [INDICATOR - -- @ 0 miles]

Sample ID:	307556	Sample Dates: 4/29/2014 - 4/29/2014	Nuclide	Activity	Sigma Error [1]	LLD
			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
Sample ID:	307560	Sample Dates: 4/29/2014 - 4/29/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.83E+02	0.00E+00	3.00E+03
Sample ID:	307593	Sample Dates: 5/6/2014 - 5/6/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.40E+02	0.00E+00	3.00E+03
Sample ID:	307619	Sample Dates: 5/13/2014 - 5/13/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.27E+02	0.00E+00	3.00E+03
Sample ID:	307653	Sample Dates: 5/20/2014 - 5/20/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.38E+02	0.00E+00	3.00E+03
Sample ID:	307667	Sample Dates: 5/27/2014 - 5/27/2014	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
Sample ID:	307673	Sample Dates: 5/27/2014 - 5/27/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.35E+02	0.00E+00	3.00E+03
Sample ID:	307707	Sample Dates: 6/3/2014 - 6/3/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.36E+02	0.00E+00	3.00E+03
Sample ID:	307755	Sample Dates: 6/10/2014 - 6/10/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.29E+02	0.00E+00	3.00E+03
Sample ID:	307810	Sample Dates: 6/13/2014 - 6/13/2014	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
Sample ID:	307786	Sample Dates: 6/17/2014 - 6/17/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.43E+02	0.00E+00	3.00E+03
Sample ID:	307805	Sample Dates: 6/24/2014 - 6/24/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.42E+02	0.00E+00	3.00E+03
Sample ID:	307855	Sample Dates: 7/1/2014 - 7/1/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.39E+02	0.00E+00	3.00E+03
Sample ID:	307874	Sample Dates: 7/7/2014 - 7/7/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.39E+02	0.00E+00	3.00E+03
Sample ID:	307988	Sample Dates: 7/15/2014 - 7/15/2014	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

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

Sample ID:	307988	Sample Dates: 7/15/2014 - 7/15/2014	Nuclide	Activity	Sigma Error [1]	LLD
			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
Sample ID:	307914	Sample Dates: 7/15/2014 - 7/15/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.39E+02	0.00E+00	3.00E+03
Sample ID:	307934	Sample Dates: 7/23/2014 - 7/23/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.37E+02	0.00E+00	3.00E+03
Sample ID:	307999	Sample Dates: 7/29/2014 - 7/29/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.44E+02	0.00E+00	3.00E+03
Sample ID:	308052	Sample Dates: 8/5/2014 - 8/5/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.42E+02	0.00E+00	3.00E+03
Sample ID:	308067	Sample Dates: 8/12/2014 - 8/12/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.45E+02	0.00E+00	3.00E+03
Sample ID:	308110	Sample Dates: 8/15/2014 - 8/15/2014	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
Sample ID:	308105	Sample Dates: 8/19/2014 - 8/19/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.36E+02	0.00E+00	3.00E+03
Sample ID:	308128	Sample Dates: 8/26/2014 - 8/26/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.52E+02	0.00E+00	3.00E+03
Sample ID:	308151	Sample Dates: 9/2/2014 - 9/2/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.43E+02	0.00E+00	3.00E+03
Sample ID:	308202	Sample Dates: 9/9/2014 - 9/9/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.49E+02	0.00E+00	3.00E+03
Sample ID:	308271	Sample Dates: 9/16/2014 - 9/16/2014	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
Sample ID:	308226	Sample Dates: 9/16/2014 - 9/16/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.43E+02	0.00E+00	3.00E+03
Sample ID:	308260	Sample Dates: 9/23/2014 - 9/23/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.48E+02	0.00E+00	3.00E+03
Sample ID:	359405	Sample Dates: 9/30/2014 - 9/30/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<9.93E+01	0.00E+00	2.49E+02

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

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BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 497 [INDICATOR - -- @ 0 miles]

Sample ID:	359859	Sample Dates: 10/7/2014 - 10/7/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-8.7E+01	0.00E+00	2.44E+02
Sample ID:	360178	Sample Dates: 10/13/2014 - 10/13/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.35E+02	0.00E+00	2.48E+02
Sample ID:	360461	Sample Dates: 10/21/2014 - 10/21/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-4.0E+01	0.00E+00	2.46E+02
Sample ID:	360767	Sample Dates: 10/7/2014 - 10/28/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<6.82E+00	0.00E+00	6.82E+00
			Co-58	<8.50E+00	0.00E+00	8.50E+00
			Fe-59	<2.01E+01	0.00E+00	2.01E+01
			Co-60	<1.03E+01	0.00E+00	1.03E+01
			Zn-65	<1.22E+01	0.00E+00	1.22E+01
			Zr-95	<2.27E+01	0.00E+00	2.27E+01
			Nb-95	<1.28E+01	0.00E+00	1.28E+01
			I-131	<3.61E+01	0.00E+00	3.61E+01
			Cs-134	<7.64E+00	0.00E+00	7.64E+00
			Cs-137	<7.82E+00	0.00E+00	7.82E+00
			La-140	<1.11E+04	0.00E+00	1.11E+04
			Ba-140	<6.99E+01	0.00E+00	6.99E+01
Sample ID:	361004	Sample Dates: 10/28/2014 - 10/28/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<5.37E+01	0.00E+00	2.46E+02
Sample ID:	361141	Sample Dates: 11/4/2014 - 11/4/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-1.6E+01	0.00E+00	2.44E+02
Sample ID:	361829	Sample Dates: 11/11/2014 - 11/11/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<1.72E+00	0.00E+00	2.37E+02
Sample ID:	364247	Sample Dates: 11/19/2014 - 11/19/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<1.70E+02	0.00E+00	2.43E+02
Sample ID:	363579	Sample Dates: 11/4/2014 - 11/25/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<8.00E+00	0.00E+00	8.00E+00
			Co-58	<9.32E+00	0.00E+00	9.32E+00
			Fe-59	<1.77E+01	0.00E+00	1.77E+01
			Co-60	<7.66E+00	0.00E+00	7.66E+00
			Zn-65	<2.11E+01	0.00E+00	2.11E+01
			Zr-95	<1.68E+01	0.00E+00	1.68E+01
			Nb-95	<7.41E+00	0.00E+00	7.41E+00
			I-131	<3.64E+01	0.00E+00	3.64E+01
			Cs-134	<7.96E+00	0.00E+00	7.96E+00
			Cs-137	<8.14E+00	0.00E+00	8.14E+00
			La-140	<8.78E+03	0.00E+00	8.78E+03
			Ba-140	<6.46E+01	0.00E+00	6.46E+01
Sample ID:	365183	Sample Dates: 11/25/2014 - 11/25/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-1.2E+02	0.00E+00	2.42E+02
Sample ID:	365228	Sample Dates: 12/2/2014 - 12/2/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<1.56E+01	0.00E+00	2.39E+02
Sample ID:	365644	Sample Dates: 12/9/2014 - 12/9/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-5.2E+01	0.00E+00	2.50E+02
Sample ID:	366448	Sample Dates: 12/15/2014 - 12/15/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<1.40E+02	0.00E+00	2.47E+02
Sample ID:	366774	Sample Dates: 12/22/2014 - 12/22/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-3.5E+00	0.00E+00	2.53E+02
Sample ID:	365440	Sample Dates: 12/2/2014 - 12/29/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<8.08E+00	0.00E+00	8.08E+00
			Co-58	<6.89E+00	0.00E+00	6.89E+00
			Fe-59	<2.15E+01	0.00E+00	2.15E+01
			Co-60	<7.67E+00	0.00E+00	7.67E+00
			Zn-65	<2.39E+01	0.00E+00	2.39E+01

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

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

Sample Point 497 [INDICATOR - -- @ 0 miles]

Sample ID:	365440	Sample Dates: 12/2/2014 - 12/29/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Zr-95	<1.76E+01	0.00E+00	1.76E+01
			Nb-95	<1.55E+01	0.00E+00	1.55E+01
			I-131	<5.27E+01	0.00E+00	5.27E+01
			Cs-134	<9.49E+00	0.00E+00	9.49E+00
			Cs-137	<7.83E+00	0.00E+00	7.83E+00
			La-140	<5.95E+04	0.00E+00	5.95E+04
			Ba-140	<1.02E+02	0.00E+00	1.02E+02
Sample ID:	366850	Sample Dates: 12/29/2014 - 12/29/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<1.23E+02	0.00E+00	2.48E+02

Sample Point 498 [INDICATOR - -- @ 0 miles]

Sample ID:	307000	Sample Dates: 1/7/2014 - 1/7/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.86E+02	0.00E+00	3.00E+03
Sample ID:	307018	Sample Dates: 1/15/2014 - 1/15/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.77E+02	0.00E+00	3.00E+03
Sample ID:	307036	Sample Dates: 1/21/2014 - 1/21/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.77E+02	0.00E+00	3.00E+03
Sample ID:	307075	Sample Dates: 1/28/2014 - 1/28/2014	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
Sample ID:	307060	Sample Dates: 1/28/2014 - 1/28/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.85E+02	0.00E+00	3.00E+03
Sample ID:	307116	Sample Dates: 2/4/2014 - 2/4/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.86E+02	0.00E+00	3.00E+03
Sample ID:	307138	Sample Dates: 2/11/2014 - 2/11/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.84E+02	0.00E+00	3.00E+03
Sample ID:	307197	Sample Dates: 2/18/2014 - 2/18/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.79E+02	0.00E+00	3.00E+03
Sample ID:	378745	Sample Dates: 2/25/2014 - 2/25/2014	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
Sample ID:	307212	Sample Dates: 2/25/2014 - 2/25/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.79E+02	0.00E+00	3.00E+03
Sample ID:	307266	Sample Dates: 3/4/2014 - 3/4/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.79E+02	0.00E+00	3.00E+03
Sample ID:	307302	Sample Dates: 3/11/2014 - 3/11/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.82E+02	0.00E+00	3.00E+03

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

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

Sample Point 498 [INDICATOR - -- @ 0 miles]

Sample ID:	307327	Sample Dates: 3/18/2014 - 3/18/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.74E+02	0.00E+00	3.00E+03
Sample ID:	307358	Sample Dates: 3/24/2014 - 3/24/2014	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
Sample ID:	307355	Sample Dates: 3/24/2014 - 3/24/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.83E+02	0.00E+00	3.00E+03
Sample ID:	307412	Sample Dates: 3/31/2014 - 3/31/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.81E+02	0.00E+00	3.00E+03
Sample ID:	307438	Sample Dates: 4/8/2014 - 4/8/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.86E+02	0.00E+00	3.00E+03
Sample ID:	307466	Sample Dates: 4/16/2014 - 4/16/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.76E+02	0.00E+00	3.00E+03
Sample ID:	307494	Sample Dates: 4/22/2014 - 4/22/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.76E+02	0.00E+00	3.00E+03
Sample ID:	307551	Sample Dates: 4/29/2014 - 4/29/2014	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
Sample ID:	307561	Sample Dates: 4/29/2014 - 4/29/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.83E+02	0.00E+00	3.00E+03
Sample ID:	307594	Sample Dates: 5/6/2014 - 5/6/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.39E+02	0.00E+00	3.00E+03
Sample ID:	307627	Sample Dates: 5/13/2014 - 5/13/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.31E+02	0.00E+00	3.00E+03
Sample ID:	307654	Sample Dates: 5/20/2014 - 5/20/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.38E+02	0.00E+00	3.00E+03
Sample ID:	307671	Sample Dates: 5/27/2014 - 5/27/2014	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

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

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

Sample Point 498 [INDICATOR - -- @ 0 miles]

Sample ID:	307674	Sample Dates: 5/27/2014 - 5/27/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.35E+02	0.00E+00	3.00E+03
Sample ID:	307708	Sample Dates: 6/3/2014 - 6/3/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.35E+02	0.00E+00	3.00E+03
Sample ID:	307756	Sample Dates: 6/10/2014 - 6/10/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.29E+02	0.00E+00	3.00E+03
Sample ID:	307811	Sample Dates: 6/13/2014 - 6/13/2014	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
Sample ID:	307787	Sample Dates: 6/17/2014 - 6/17/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.43E+02	0.00E+00	3.00E+03
Sample ID:	307806	Sample Dates: 6/24/2014 - 6/24/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.41E+02	0.00E+00	3.00E+03
Sample ID:	307856	Sample Dates: 7/1/2014 - 7/1/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.38E+02	0.00E+00	3.00E+03
Sample ID:	307875	Sample Dates: 7/7/2014 - 7/7/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.39E+02	0.00E+00	3.00E+03
Sample ID:	307996	Sample Dates: 7/15/2014 - 7/15/2014	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
Sample ID:	307915	Sample Dates: 7/15/2014 - 7/15/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.38E+02	0.00E+00	3.00E+03
Sample ID:	307938	Sample Dates: 7/23/2014 - 7/23/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.36E+02	0.00E+00	3.00E+03
Sample ID:	308000	Sample Dates: 7/29/2014 - 7/29/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.45E+02	0.00E+00	3.00E+03
Sample ID:	308053	Sample Dates: 8/5/2014 - 8/5/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.41E+02	0.00E+00	3.00E+03
Sample ID:	308068	Sample Dates: 8/12/2014 - 8/12/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.45E+02	0.00E+00	3.00E+03
Sample ID:	308111	Sample Dates: 8/15/2014 - 8/15/2014	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

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

Sample ID:	308111	Sample Dates: 8/15/2014 - 8/15/2014	Nuclide	Activity	Sigma Error [1]	LLD
			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
Sample ID:	308106	Sample Dates: 8/19/2014 - 8/19/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.42E+02	0.00E+00	3.00E+03
Sample ID:	308129	Sample Dates: 8/26/2014 - 8/26/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.52E+02	0.00E+00	3.00E+03
Sample ID:	308152	Sample Dates: 9/2/2014 - 9/2/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.41E+02	0.00E+00	3.00E+03
			H3SW	<2.43E+02	0.00E+00	3.00E+03
Sample ID:	308203	Sample Dates: 9/9/2014 - 9/9/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.51E+02	0.00E+00	3.00E+03
Sample ID:	308227	Sample Dates: 9/16/2014 - 9/16/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.43E+02	0.00E+00	3.00E+03
Sample ID:	359183	Sample Dates: 9/16/2014 - 9/16/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<6.63E+00	0.00E+00	6.63E+00
			Co-58	<1.10E+01	0.00E+00	1.10E+01
			Fe-59	<1.95E+01	0.00E+00	1.95E+01
			Co-60	<8.80E+00	0.00E+00	8.80E+00
			Zn-65	<2.56E+01	0.00E+00	2.56E+01
			Zr-95	<1.86E+01	0.00E+00	1.86E+01
			Nb-95	<1.80E+01	0.00E+00	1.80E+01
			I-131	<1.47E+02	0.00E+00	1.47E+02
			Cs-134	<9.42E+00	0.00E+00	9.42E+00
			Cs-137	<9.32E+00	0.00E+00	9.32E+00
			La-140	<1.37E+07	0.00E+00	1.37E+07
			Ba-140	<1.53E+02	0.00E+00	1.53E+02
Sample ID:	308261	Sample Dates: 9/23/2014 - 9/23/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.49E+02	0.00E+00	3.00E+03
Sample ID:	359406	Sample Dates: 9/30/2014 - 9/30/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<8.12E+01	0.00E+00	2.49E+02
Sample ID:	359860	Sample Dates: 10/7/2014 - 10/7/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<3.42E+00	0.00E+00	2.46E+02
Sample ID:	360179	Sample Dates: 10/13/2014 - 10/13/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<1.60E+02	0.00E+00	2.44E+02
Sample ID:	360462	Sample Dates: 10/21/2014 - 10/21/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<1.23E+02	0.00E+00	2.45E+02
Sample ID:	360768	Sample Dates: 10/7/2014 - 10/28/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<9.04E+00	0.00E+00	9.04E+00
			Co-58	<8.56E+00	0.00E+00	8.56E+00
			Fe-59	<2.03E+01	0.00E+00	2.03E+01
			Co-60	<6.91E+00	0.00E+00	6.91E+00
			Zn-65	<2.03E+01	0.00E+00	2.03E+01
			Zr-95	<1.51E+01	0.00E+00	1.51E+01
			Nb-95	<1.47E+01	0.00E+00	1.47E+01
			I-131	<3.70E+01	0.00E+00	3.70E+01
			Cs-134	<6.94E+00	0.00E+00	6.94E+00
			Cs-137	<5.53E+00	0.00E+00	5.53E+00
			La-140	<1.17E+04	0.00E+00	1.17E+04
			Ba-140	<6.28E+01	0.00E+00	6.28E+01
Sample ID:	361005	Sample Dates: 10/28/2014 - 10/28/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<1.11E+02	0.00E+00	2.47E+02
Sample ID:	361142	Sample Dates: 11/4/2014 - 11/4/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<4.56E+01	0.00E+00	2.46E+02

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

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

Sample Point 498 [INDICATOR - -- @ 0 miles]

Sample ID:	361830	Sample Dates: 11/11/2014 - 11/11/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<7.29E+01	0.00E+00	2.33E+02
Sample ID:	364248	Sample Dates: 11/19/2014 - 11/19/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<6.69E+01	0.00E+00	2.44E+02
Sample ID:	363580	Sample Dates: 11/4/2014 - 11/25/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<8.37E+00	0.00E+00	8.37E+00
			Co-58	<8.99E+00	0.00E+00	8.99E+00
			Fe-59	<1.75E+01	0.00E+00	1.75E+01
			Co-60	<8.75E+00	0.00E+00	8.75E+00
			Zn-65	<2.29E+01	0.00E+00	2.29E+01
			Zr-95	<1.62E+01	0.00E+00	1.62E+01
			Nb-95	<1.19E+01	0.00E+00	1.19E+01
			I-131	<4.23E+01	0.00E+00	4.23E+01
			Cs-134	<7.03E+00	0.00E+00	7.03E+00
			Cs-137	<9.04E+00	0.00E+00	9.04E+00
			La-140	<8.58E+03	0.00E+00	8.58E+03
			Ba-140	<8.91E+01	0.00E+00	8.91E+01
Sample ID:	365184	Sample Dates: 11/25/2014 - 11/25/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<6.58E+01	0.00E+00	2.42E+02
Sample ID:	365427	Sample Dates: 12/2/2014 - 12/2/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<1.34E+02	0.00E+00	2.37E+02
Sample ID:	365648	Sample Dates: 12/9/2014 - 12/9/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-8.6E+01	0.00E+00	2.51E+02
Sample ID:	366603	Sample Dates: 12/15/2014 - 12/15/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<1.16E+02	0.00E+00	2.44E+02
Sample ID:	366775	Sample Dates: 12/22/2014 - 12/22/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-1.8E+00	0.00E+00	2.53E+02
Sample ID:	365441	Sample Dates: 12/2/2014 - 12/29/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<8.79E+00	0.00E+00	8.79E+00
			Co-58	<6.90E+00	0.00E+00	6.90E+00
			Fe-59	<2.50E+01	0.00E+00	2.50E+01
			Co-60	<1.03E+01	0.00E+00	1.03E+01
			Zn-65	<1.38E+01	0.00E+00	1.38E+01
			Zr-95	<1.83E+01	0.00E+00	1.83E+01
			Nb-95	<1.41E+01	0.00E+00	1.41E+01
			I-131	<5.66E+01	0.00E+00	5.66E+01
			Cs-134	<6.97E+00	0.00E+00	6.97E+00
			Cs-137	<9.59E+00	0.00E+00	9.59E+00
			La-140	<7.74E+04	0.00E+00	7.74E+04
			Ba-140	<1.09E+02	0.00E+00	1.09E+02
Sample ID:	366851	Sample Dates: 12/29/2014 - 12/29/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<3.50E+01	0.00E+00	2.46E+02

Sample Point 499 [CONTROL - -- @ 0 miles]

Sample ID:	307001	Sample Dates: 1/7/2014 - 1/7/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.88E+02	0.00E+00	3.00E+03
Sample ID:	307019	Sample Dates: 1/15/2014 - 1/15/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.78E+02	0.00E+00	3.00E+03
Sample ID:	307037	Sample Dates: 1/21/2014 - 1/21/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.81E+02	0.00E+00	3.00E+03
Sample ID:	307076	Sample Dates: 1/28/2014 - 1/28/2014	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) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.

Sample ID:	307076	Sample Dates: 1/28/2014 - 1/28/2014	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
Sample ID:	307063	Sample Dates: 1/28/2014 - 1/28/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.86E+02	0.00E+00	3.00E+03
Sample ID:	307117	Sample Dates: 2/4/2014 - 2/4/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.81E+02	0.00E+00	3.00E+03
Sample ID:	307139	Sample Dates: 2/11/2014 - 2/11/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.85E+02	0.00E+00	3.00E+03
Sample ID:	307198	Sample Dates: 2/18/2014 - 2/18/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.80E+02	0.00E+00	3.00E+03
Sample ID:	378746	Sample Dates: 2/25/2014 - 2/25/2014	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
Sample ID:	307213	Sample Dates: 2/25/2014 - 2/25/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.78E+02	0.00E+00	3.00E+03
Sample ID:	307267	Sample Dates: 3/4/2014 - 3/4/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.81E+02	0.00E+00	3.00E+03
Sample ID:	307303	Sample Dates: 3/11/2014 - 3/11/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.83E+02	0.00E+00	3.00E+03
Sample ID:	307328	Sample Dates: 3/18/2014 - 3/18/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.76E+02	0.00E+00	3.00E+03
Sample ID:	307360	Sample Dates: 3/24/2014 - 3/24/2014	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
Sample ID:	307356	Sample Dates: 3/24/2014 - 3/24/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.84E+02	0.00E+00	3.00E+03
Sample ID:	307413	Sample Dates: 3/31/2014 - 3/31/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.82E+02	0.00E+00	3.00E+03
Sample ID:	307439	Sample Dates: 4/8/2014 - 4/8/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.87E+02	0.00E+00	3.00E+03
Sample ID:	307467	Sample Dates: 4/16/2014 - 4/16/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.75E+02	0.00E+00	3.00E+03

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 499 [CONTROL - -- @ 0 miles]

Sample ID:	307495	Sample Dates: 4/22/2014 - 4/22/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.77E+02	0.00E+00	3.00E+03
Sample ID:	307552	Sample Dates: 4/29/2014 - 4/29/2014	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
Sample ID:	307562	Sample Dates: 4/29/2014 - 4/29/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.85E+02	0.00E+00	3.00E+03
Sample ID:	307595	Sample Dates: 5/6/2014 - 5/6/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.40E+02	0.00E+00	3.00E+03
Sample ID:	307620	Sample Dates: 5/13/2014 - 5/13/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.35E+02	0.00E+00	3.00E+03
Sample ID:	307655	Sample Dates: 5/20/2014 - 5/20/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.37E+02	0.00E+00	3.00E+03
Sample ID:	307682	Sample Dates: 5/27/2014 - 5/27/2014	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
Sample ID:	307675	Sample Dates: 5/27/2014 - 5/27/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.36E+02	0.00E+00	3.00E+03
Sample ID:	307709	Sample Dates: 6/3/2014 - 6/3/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.36E+02	0.00E+00	3.00E+03
Sample ID:	307757	Sample Dates: 6/10/2014 - 6/10/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.40E+02	0.00E+00	3.00E+03
Sample ID:	307812	Sample Dates: 6/13/2014 - 6/13/2014	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
Sample ID:	307788	Sample Dates: 6/17/2014 - 6/17/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.42E+02	0.00E+00	3.00E+03
Sample ID:	307807	Sample Dates: 6/24/2014 - 6/24/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.41E+02	0.00E+00	3.00E+03

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

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

Sample Point 499 [CONTROL - -- @ 0 miles]

Sample ID:	307857	Sample Dates: 7/1/2014 - 7/1/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.38E+02	0.00E+00	3.00E+03
Sample ID:	307876	Sample Dates: 7/7/2014 - 7/7/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.38E+02	0.00E+00	3.00E+03
Sample ID:	307997	Sample Dates: 7/15/2014 - 7/15/2014	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
Sample ID:	307916	Sample Dates: 7/15/2014 - 7/15/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.39E+02	0.00E+00	3.00E+03
Sample ID:	307935	Sample Dates: 7/23/2014 - 7/23/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.37E+02	0.00E+00	3.00E+03
Sample ID:	308001	Sample Dates: 7/29/2014 - 7/29/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.45E+02	0.00E+00	3.00E+03
Sample ID:	308054	Sample Dates: 8/5/2014 - 8/5/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.41E+02	0.00E+00	3.00E+03
Sample ID:	308069	Sample Dates: 8/12/2014 - 8/12/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.46E+02	0.00E+00	3.00E+03
Sample ID:	308112	Sample Dates: 8/16/2014 - 8/16/2014	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
Sample ID:	308107	Sample Dates: 8/19/2014 - 8/19/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.44E+02	0.00E+00	3.00E+03
Sample ID:	308130	Sample Dates: 8/26/2014 - 8/26/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.53E+02	0.00E+00	3.00E+03
Sample ID:	308153	Sample Dates: 9/2/2014 - 9/2/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.41E+02	0.00E+00	3.00E+03
Sample ID:	308204	Sample Dates: 9/9/2014 - 9/9/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.51E+02	0.00E+00	3.00E+03
Sample ID:	308228	Sample Dates: 9/16/2014 - 9/16/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.42E+02	0.00E+00	3.00E+03
Sample ID:	359185	Sample Dates: 9/16/2014 - 9/16/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<1.20E+01	0.00E+00	1.20E+01
			Co-58	<9.56E+00	0.00E+00	9.55E+00
			Fe-59	<2.15E+01	0.00E+00	2.15E+01
			Co-60	<1.03E+01	0.00E+00	1.03E+01
			Zn-65	<2.39E+01	0.00E+00	2.39E+01
			Zr-95	<2.38E+01	0.00E+00	2.38E+01
			Nb-95	<1.65E+01	0.00E+00	1.65E+01

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 499 [CONTROL - -- @ 0 miles]

Sample ID:	359185	Sample Dates: 9/16/2014 - 9/16/2014	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<1.71E+02	0.00E+00	1.71E+02
			Cs-134	<9.34E+00	0.00E+00	9.34E+00
			Cs-137	<8.15E+00	0.00E+00	8.15E+00
			La-140	<9.56E+06	0.00E+00	9.56E+06
			Ba-140	<2.02E+02	0.00E+00	2.02E+02
Sample ID:	308270	Sample Dates: 9/23/2014 - 9/23/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.49E+02	0.00E+00	3.00E+03
Sample ID:	359407	Sample Dates: 9/30/2014 - 9/30/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<8.87E+01	0.00E+00	2.50E+02
Sample ID:	359861	Sample Dates: 10/7/2014 - 10/7/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-5.8E+01	0.00E+00	2.44E+02
Sample ID:	360180	Sample Dates: 10/13/2014 - 10/13/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.17E+02	0.00E+00	2.42E+02
Sample ID:	360463	Sample Dates: 10/21/2014 - 10/21/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-4.9E+01	0.00E+00	2.46E+02
Sample ID:	360769	Sample Dates: 10/7/2014 - 10/28/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<8.71E+00	0.00E+00	8.71E+00
			Co-58	<8.13E+00	0.00E+00	8.13E+00
			Fe-59	<1.79E+01	0.00E+00	1.79E+01
			Co-60	<8.18E+00	0.00E+00	8.18E+00
			Zn-65	<1.93E+01	0.00E+00	1.93E+01
			Zr-95	<1.72E+01	0.00E+00	1.72E+01
			Nb-95	<1.54E+01	0.00E+00	1.54E+01
			I-131	<4.12E+01	0.00E+00	4.12E+01
			Cs-134	<7.51E+00	0.00E+00	7.51E+00
			Cs-137	<9.31E+00	0.00E+00	9.31E+00
			La-140	<1.60E+04	0.00E+00	1.60E+04
			Ba-140	<5.59E+01	0.00E+00	5.59E+01
Sample ID:	361006	Sample Dates: 10/28/2014 - 10/28/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<1.60E+02	0.00E+00	2.47E+02
Sample ID:	361143	Sample Dates: 11/4/2014 - 11/4/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<1.64E+01	0.00E+00	2.45E+02
Sample ID:	361831	Sample Dates: 11/11/2014 - 11/11/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-5.1E+00	0.00E+00	2.34E+02
Sample ID:	364249	Sample Dates: 11/19/2014 - 11/19/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<1.04E+02	0.00E+00	2.43E+02
Sample ID:	363581	Sample Dates: 11/4/2014 - 11/25/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<8.01E+00	0.00E+00	8.01E+00
			Co-58	<7.68E+00	0.00E+00	7.67E+00
			Fe-59	<2.15E+01	0.00E+00	2.15E+01
			Co-60	<1.03E+01	0.00E+00	1.03E+01
			Zn-65	<1.73E+01	0.00E+00	1.73E+01
			Zr-95	<1.90E+01	0.00E+00	1.90E+01
			Nb-95	<1.27E+01	0.00E+00	1.27E+01
			I-131	<3.88E+01	0.00E+00	3.88E+01
			Cs-134	<7.97E+00	0.00E+00	7.97E+00
			Cs-137	<9.04E+00	0.00E+00	9.04E+00
			La-140	<1.79E+04	0.00E+00	1.79E+04
			Ba-140	<8.13E+01	0.00E+00	8.13E+01
Sample ID:	365185	Sample Dates: 11/25/2014 - 11/25/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.60E+01	0.00E+00	2.42E+02
Sample ID:	365428	Sample Dates: 12/2/2014 - 12/2/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<8.71E+00	0.00E+00	2.38E+02
Sample ID:	365653	Sample Dates: 12/9/2014 - 12/9/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-2.0E+02	0.00E+00	2.51E+02

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

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

Sample Point 499 [CONTROL - -- @ 0 miles]

Sample ID:	366604	Sample Dates: 12/15/2014 - 12/15/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.94E+01	0.00E+00	2.44E+02
Sample ID:	366776	Sample Dates: 12/22/2014 - 12/22/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<1.77E+00	0.00E+00	2.54E+02
Sample ID:	365442	Sample Dates: 12/2/2014 - 12/29/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<1.06E+01	0.00E+00	1.06E+01
			Co-58	<1.23E+01	0.00E+00	1.23E+01
			Fe-59	<2.89E+01	0.00E+00	2.89E+01
			Co-60	<1.07E+01	0.00E+00	1.07E+01
			Zn-65	<1.51E+01	0.00E+00	1.51E+01
			Zr-95	<1.46E+01	0.00E+00	1.46E+01
			Nb-95	<1.37E+01	0.00E+00	1.37E+01
			I-131	<4.73E+01	0.00E+00	4.73E+01
			Cs-134	<7.21E+00	0.00E+00	7.21E+00
			Cs-137	<7.49E+00	0.00E+00	7.49E+00
			La-140	<7.15E+04	0.00E+00	7.15E+04
			Ba-140	<9.82E+01	0.00E+00	9.82E+01
Sample ID:	366853	Sample Dates: 12/29/2014 - 12/29/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<-2.0E+01	0.00E+00	2.46E+02

Sample Point 604 [INDICATOR - -- @ 0 miles]

Sample ID:	307014	Sample Dates: 1/7/2014 - 1/7/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	4.14E+02	0.00E+00	3.00E+03
Sample ID:	307031	Sample Dates: 1/15/2014 - 1/15/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	3.18E+02	0.00E+00	3.00E+03
Sample ID:	307045	Sample Dates: 1/21/2014 - 1/21/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	3.72E+02	0.00E+00	3.00E+03
Sample ID:	307069	Sample Dates: 1/28/2014 - 1/28/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.84E+02	0.00E+00	3.00E+03
Sample ID:	307125	Sample Dates: 2/4/2014 - 2/4/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.80E+02	0.00E+00	3.00E+03
Sample ID:	307154	Sample Dates: 2/11/2014 - 2/11/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.68E+02	0.00E+00	3.00E+03
Sample ID:	307204	Sample Dates: 2/18/2014 - 2/18/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	3.16E+02	0.00E+00	3.00E+03
Sample ID:	307221	Sample Dates: 2/25/2014 - 2/25/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.83E+02	0.00E+00	3.00E+03
Sample ID:	307273	Sample Dates: 3/4/2014 - 3/4/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.73E+02	0.00E+00	3.00E+03
Sample ID:	307310	Sample Dates: 3/11/2014 - 3/11/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	6.36E+02	0.00E+00	3.00E+03
Sample ID:	307340	Sample Dates: 3/18/2014 - 3/18/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	1.02E+03	0.00E+00	3.00E+03
Sample ID:	307368	Sample Dates: 3/24/2014 - 3/24/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	6.47E+02	0.00E+00	3.00E+03
Sample ID:	307424	Sample Dates: 3/31/2014 - 3/31/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	<2.95E+02	0.00E+00	3.00E+03
Sample ID:	307455	Sample Dates: 4/8/2014 - 4/8/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	1.94E+03	0.00E+00	3.00E+03
Sample ID:	307476	Sample Dates: 4/16/2014 - 4/16/2014	Nuclide	Activity	Sigma Error [1]	LLD
			H3SW	3.22E+02	0.00E+00	3.00E+03

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 604 [INDICATOR - -- @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
307502	4/22/2014 - 4/22/2014	H3SW	<2.82E+02	0.00E+00	3.00E+03
307572	4/29/2014 - 4/29/2014	H3SW	3.52E+02	0.00E+00	3.00E+03
307602	5/6/2014 - 5/6/2014	H3SW	4.33E+02	0.00E+00	3.00E+03
307625	5/13/2014 - 5/13/2014	H3SW	6.09E+02	0.00E+00	3.00E+03
307662	5/20/2014 - 5/20/2014	H3SW	3.96E+02	0.00E+00	3.00E+03
307687	5/27/2014 - 5/27/2014	H3SW	<2.34E+02	0.00E+00	3.00E+03
307716	6/3/2014 - 6/3/2014	H3SW	<2.37E+02	0.00E+00	3.00E+03
307765	6/10/2014 - 6/10/2014	H3SW	<2.38E+02	0.00E+00	3.00E+03
307798	6/17/2014 - 6/17/2014	H3SW	<2.47E+02	0.00E+00	3.00E+03
307817	6/24/2014 - 6/24/2014	H3SW	<2.42E+02	0.00E+00	3.00E+03
307864	7/1/2014 - 7/1/2014	H3SW	<2.40E+02	0.00E+00	3.00E+03
307883	7/7/2014 - 7/7/2014	H3SW	7.25E+02	0.00E+00	3.00E+03
307922	7/15/2014 - 7/15/2014	H3SW	4.35E+02	0.00E+00	3.00E+03
307952	7/23/2014 - 7/23/2014	H3SW	3.17E+03	0.00E+00	3.00E+03
307994	7/29/2014 - 7/29/2014	H3SW	<2.45E+02	0.00E+00	3.00E+03
308061	8/5/2014 - 8/5/2014	H3SW	1.78E+03	0.00E+00	3.00E+03
308076	8/12/2014 - 8/12/2014	H3SW	<2.42E+02	0.00E+00	3.00E+03
308124	8/19/2014 - 8/19/2014	H3SW	5.13E+02	0.00E+00	3.00E+03
308137	8/26/2014 - 8/26/2014	H3SW	<2.44E+02	0.00E+00	3.00E+03
308160	9/2/2014 - 9/2/2014	H3SW	3.63E+02	0.00E+00	3.00E+03
308211	9/9/2014 - 9/9/2014	H3SW	9.44E+02	0.00E+00	3.00E+03
308253	9/16/2014 - 9/16/2014	H3SW	8.16E+02	0.00E+00	3.00E+03
308268	9/23/2014 - 9/23/2014	H3SW	2.52E+02	0.00E+00	3.00E+03
359689	9/30/2014 - 9/30/2014	H3SW	2.65E+02	1.45E+02	2.38E+02

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

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

Sample Point 604 [INDICATOR - -- @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
359904	10/7/2014 - 10/7/2014	H3SW	<1.54E+02	0.00E+00	2.45E+02
360187	10/13/2014 - 10/13/2014	H3SW	<2.33E+02	0.00E+00	2.42E+02
360476	10/21/2014 - 10/21/2014	H3SW	<-3.6E+00	0.00E+00	2.52E+02
361068	10/28/2014 - 10/28/2014	H3SW	<2.09E+02	0.00E+00	2.36E+02
361657	11/4/2014 - 11/4/2014	H3SW	<5.22E+01	0.00E+00	2.45E+02
364386	11/11/2014 - 11/11/2014	H3SW	<1.29E+02	0.00E+00	2.38E+02
364256	11/19/2014 - 11/19/2014	H3SW	<9.57E+01	0.00E+00	2.45E+02
365223	11/25/2014 - 11/25/2014	H3SW	<1.72E+02	0.00E+00	2.40E+02
365435	12/2/2014 - 12/2/2014	H3SW	2.06E+03	1.75E+02	2.37E+02
366382	12/2/2014 - 12/2/2014	H3SW	2.10E+03	1.83E+02	2.48E+02
365682	12/9/2014 - 12/9/2014	H3SW	<4.74E+01	0.00E+00	2.52E+02
366611	12/15/2014 - 12/15/2014	H3SW	2.90E+02	1.51E+02	2.47E+02
366783	12/22/2014 - 12/22/2014	H3SW	<-3.6E+01	0.00E+00	2.49E+02
366898	12/29/2014 - 12/29/2014	H3SW	2.26E+03	1.89E+02	2.55E+02

Sample Point 605 [INDICATOR - -- @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
307002	1/7/2014 - 1/7/2014	H3SW	<2.89E+02	0.00E+00	3.00E+03
307020	1/15/2014 - 1/15/2014	H3SW	<2.77E+02	0.00E+00	3.00E+03
307038	1/21/2014 - 1/21/2014	H3SW	<2.84E+02	0.00E+00	3.00E+03
307061	1/28/2014 - 1/28/2014	H3SW	<2.86E+02	0.00E+00	3.00E+03
307118	2/4/2014 - 2/4/2014	H3SW	<2.82E+02	0.00E+00	3.00E+03
307140	2/11/2014 - 2/11/2014	H3SW	<2.86E+02	0.00E+00	3.00E+03
307199	2/18/2014 - 2/18/2014	H3SW	<2.81E+02	0.00E+00	3.00E+03
307215	2/25/2014 - 2/25/2014	H3SW	<2.81E+02	0.00E+00	3.00E+03
307268	3/4/2014 - 3/4/2014	H3SW	<2.79E+02	0.00E+00	3.00E+03
307304	3/11/2014 - 3/11/2014	H3SW	<2.80E+02	0.00E+00	3.00E+03

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

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

Sample Point 605 [INDICATOR - -- @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
307329	3/18/2014 - 3/18/2014	H3SW	<2.77E+02	0.00E+00	3.00E+03
307357	3/24/2014 - 3/24/2014	H3SW	<2.84E+02	0.00E+00	3.00E+03
307414	3/31/2014 - 3/31/2014	H3SW	<2.84E+02	0.00E+00	3.00E+03
307440	4/8/2014 - 4/8/2014	H3SW	<2.88E+02	0.00E+00	3.00E+03
307468	4/16/2014 - 4/16/2014	H3SW	<2.76E+02	0.00E+00	3.00E+03
307496	4/22/2014 - 4/22/2014	H3SW	<2.76E+02	0.00E+00	3.00E+03
307574	4/29/2014 - 4/29/2014	H3SW	<2.85E+02	0.00E+00	3.00E+03
307596	5/6/2014 - 5/6/2014	H3SW	<2.41E+02	0.00E+00	3.00E+03
307621	5/13/2014 - 5/13/2014	H3SW	<2.38E+02	0.00E+00	3.00E+03
307656	5/20/2014 - 5/20/2014	H3SW	<2.38E+02	0.00E+00	3.00E+03
307676	5/27/2014 - 5/27/2014	H3SW	<2.35E+02	0.00E+00	3.00E+03
307710	6/3/2014 - 6/3/2014	H3SW	<2.37E+02	0.00E+00	3.00E+03
307758	6/10/2014 - 6/10/2014	H3SW	<2.40E+02	0.00E+00	3.00E+03
307789	6/17/2014 - 6/17/2014	H3SW	<2.42E+02	0.00E+00	3.00E+03
307808	6/24/2014 - 6/24/2014	H3SW	<2.42E+02	0.00E+00	3.00E+03
307858	7/1/2014 - 7/1/2014	H3SW	<2.40E+02	0.00E+00	3.00E+03
307877	7/7/2014 - 7/7/2014	H3SW	<2.37E+02	0.00E+00	3.00E+03
307917	7/15/2014 - 7/15/2014	H3SW	<2.40E+02	0.00E+00	3.00E+03
307936	7/23/2014 - 7/23/2014	H3SW	<2.37E+02	0.00E+00	3.00E+03
308002	7/29/2014 - 7/29/2014	H3SW	<2.45E+02	0.00E+00	3.00E+03
308055	8/5/2014 - 8/5/2014	H3SW	<2.40E+02	0.00E+00	3.00E+03
308094	8/12/2014 - 8/12/2014	H3SW	<2.46E+02	0.00E+00	3.00E+03
308108	8/19/2014 - 8/19/2014	H3SW	<2.42E+02	0.00E+00	3.00E+03
308131	8/26/2014 - 8/26/2014	H3SW	<2.47E+02	0.00E+00	3.00E+03

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

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BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 605 [INDICATOR - -- @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
308154	9/2/2014 - 9/2/2014	H3SW	<2.47E+02	0.00E+00	3.00E+03
		H3SW	<2.56E+02	0.00E+00	3.00E+03
308205	9/9/2014 - 9/9/2014	H3SW	<2.50E+02	0.00E+00	3.00E+03
308229	9/16/2014 - 9/16/2014	H3SW	<2.42E+02	0.00E+00	3.00E+03
308262	9/23/2014 - 9/23/2014	H3SW	<2.40E+02	0.00E+00	3.00E+03
359408	9/30/2014 - 9/30/2014	H3SW	<1.43E+02	0.00E+00	2.47E+02
359862	10/7/2014 - 10/7/2014	H3SW	<4.93E+01	0.00E+00	2.44E+02
360181	10/13/2014 - 10/13/2014	H3SW	<1.46E+02	0.00E+00	2.41E+02
360464	10/21/2014 - 10/21/2014	H3SW	<3.76E+01	0.00E+00	2.42E+02
361007	10/28/2014 - 10/28/2014	H3SW	<1.11E+02	0.00E+00	2.47E+02
361144	11/4/2014 - 11/4/2014	H3SW	<-2.7E+01	0.00E+00	2.45E+02
362115	11/11/2014 - 11/11/2014	H3SW	<1.90E+01	0.00E+00	2.43E+02
364250	11/19/2014 - 11/19/2014	H3SW	<-1.4E+02	0.00E+00	2.52E+02
365186	11/25/2014 - 11/25/2014	H3SW	<5.37E+01	0.00E+00	2.42E+02
365429	12/2/2014 - 12/2/2014	H3SW	<1.46E+02	0.00E+00	2.37E+02
365658	12/9/2014 - 12/9/2014	H3SW	<-1.4E+02	0.00E+00	2.51E+02
366605	12/15/2014 - 12/15/2014	H3SW	<1.67E+02	0.00E+00	2.44E+02
366777	12/22/2014 - 12/22/2014	H3SW	<-1.6E+02	0.00E+00	2.53E+02
366854	12/29/2014 - 12/29/2014	H3SW	<1.77E+02	0.00E+00	2.46E+02

Sample Point 606 [INDICATOR - -- @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
307003	1/7/2014 - 1/7/2014	H3SW	<2.88E+02	0.00E+00	3.00E+03
307021	1/15/2014 - 1/15/2014	H3SW	<2.78E+02	0.00E+00	3.00E+03
307039	1/21/2014 - 1/21/2014	H3SW	<2.81E+02	0.00E+00	3.00E+03
307062	1/28/2014 - 1/28/2014	H3SW	<2.86E+02	0.00E+00	3.00E+03
307120	2/4/2014 - 2/4/2014	H3SW	<2.78E+02	0.00E+00	3.00E+03

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

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

Sample Point 606 [INDICATOR - -- @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
307141	2/11/2014 - 2/11/2014	H3SW	<2.87E+02	0.00E+00	3.00E+03
307200	2/18/2014 - 2/18/2014	H3SW	<2.80E+02	0.00E+00	3.00E+03
307216	2/25/2014 - 2/25/2014	H3SW	<2.83E+02	0.00E+00	3.00E+03
307269	3/4/2014 - 3/4/2014	H3SW	<2.79E+02	0.00E+00	3.00E+03
307305	3/11/2014 - 3/11/2014	H3SW	<2.78E+02	0.00E+00	3.00E+03
307335	3/18/2014 - 3/18/2014	H3SW	<2.69E+02	0.00E+00	3.00E+03
307363	3/24/2014 - 3/24/2014	H3SW	<2.90E+02	0.00E+00	3.00E+03
307419	3/31/2014 - 3/31/2014	H3SW	<2.84E+02	0.00E+00	3.00E+03
307441	4/8/2014 - 4/8/2014	H3SW	<2.85E+02	0.00E+00	3.00E+03
307469	4/16/2014 - 4/16/2014	H3SW	<2.77E+02	0.00E+00	3.00E+03
307497	4/22/2014 - 4/22/2014	H3SW	<2.75E+02	0.00E+00	3.00E+03
307563	4/29/2014 - 4/29/2014	H3SW	<2.54E+02	0.00E+00	3.00E+03
307597	5/6/2014 - 5/6/2014	H3SW	<2.40E+02	0.00E+00	3.00E+03
307630	5/13/2014 - 5/13/2014	H3SW	<2.34E+02	0.00E+00	3.00E+03
307657	5/20/2014 - 5/20/2014	H3SW	<2.39E+02	0.00E+00	3.00E+03
307677	5/27/2014 - 5/27/2014	H3SW	<2.36E+02	0.00E+00	3.00E+03
307711	6/3/2014 - 6/3/2014	H3SW	<2.36E+02	0.00E+00	3.00E+03
307759	6/10/2014 - 6/10/2014	H3SW	<2.40E+02	0.00E+00	3.00E+03
307790	6/17/2014 - 6/17/2014	H3SW	<2.43E+02	0.00E+00	3.00E+03
307809	6/24/2014 - 6/24/2014	H3SW	<2.41E+02	0.00E+00	3.00E+03
307859	7/1/2014 - 7/1/2014	H3SW	<2.39E+02	0.00E+00	3.00E+03
307878	7/7/2014 - 7/7/2014	H3SW	<2.39E+02	0.00E+00	3.00E+03
307918	7/15/2014 - 7/15/2014	H3SW	<2.41E+02	0.00E+00	3.00E+03
307937	7/23/2014 - 7/23/2014	H3SW	<2.36E+02	0.00E+00	3.00E+03

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

Sample Point 606 [INDICATOR - -- @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
308056	8/5/2014 - 8/5/2014	H3SW	<2.41E+02	0.00E+00	3.00E+03
308070	8/12/2014 - 8/12/2014	H3SW	<2.44E+02	0.00E+00	3.00E+03
308109	8/19/2014 - 8/19/2014	H3SW	<2.59E+02	0.00E+00	3.00E+03
308132	8/26/2014 - 8/26/2014	H3SW	<2.47E+02	0.00E+00	3.00E+03
308155	9/2/2014 - 9/2/2014	H3SW	<2.47E+02	0.00E+00	3.00E+03
308206	9/9/2014 - 9/9/2014	H3SW	<2.48E+02	0.00E+00	3.00E+03
308230	9/16/2014 - 9/16/2014	H3SW	<2.43E+02	0.00E+00	3.00E+03
308263	9/23/2014 - 9/23/2014	H3SW	<2.42E+02	0.00E+00	3.00E+03
359409	9/30/2014 - 9/30/2014	H3SW	<1.06E+02	0.00E+00	2.49E+02
359899	10/7/2014 - 10/7/2014	H3SW	<1.77E+00	0.00E+00	2.50E+02
360182	10/13/2014 - 10/13/2014	H3SW	2.71E+02	1.48E+02	2.43E+02
360471	10/21/2014 - 10/21/2014	H3SW	<-3.7E+01	0.00E+00	2.51E+02
361008	10/28/2014 - 10/28/2014	H3SW	<8.05E+01	0.00E+00	2.46E+02
361145	11/4/2014 - 11/4/2014	H3SW	<4.37E+01	0.00E+00	2.46E+02
362116	11/11/2014 - 11/11/2014	H3SW	<-2.4E+01	0.00E+00	2.43E+02
364251	11/19/2014 - 11/19/2014	H3SW	<-1.1E+02	0.00E+00	2.52E+02
365187	11/25/2014 - 11/25/2014	H3SW	<3.47E+01	0.00E+00	2.42E+02
365430	12/2/2014 - 12/2/2014	H3SW	<1.82E+02	0.00E+00	2.37E+02
365661	12/9/2014 - 12/9/2014	H3SW	<-2.2E+02	0.00E+00	2.51E+02
366606	12/15/2014 - 12/15/2014	H3SW	<7.00E+01	0.00E+00	2.45E+02
366778	12/22/2014 - 12/22/2014	H3SW	<-5.3E+01	0.00E+00	2.52E+02
366856	12/29/2014 - 12/29/2014	H3SW	<1.49E+02	0.00E+00	2.46E+02

Sample Point 607 [INDICATOR - -- @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
307004	1/7/2014 - 1/7/2014	H3SW	<2.88E+02	0.00E+00	3.00E+03
307027	1/15/2014 - 1/15/2014	H3SW	<2.82E+02	0.00E+00	3.00E+03

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

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

Sample Point 607 [INDICATOR - -- @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
307040	1/21/2014 - 1/21/2014	H3SW	<2.81E+02	0.00E+00	3.00E+03
307064	1/28/2014 - 1/28/2014	H3SW	<2.86E+02	0.00E+00	3.00E+03
307121	2/4/2014 - 2/4/2014	H3SW	<2.76E+02	0.00E+00	3.00E+03
307150	2/11/2014 - 2/11/2014	H3SW	<2.70E+02	0.00E+00	3.00E+03
307201	2/18/2014 - 2/18/2014	H3SW	<2.78E+02	0.00E+00	3.00E+03
307217	2/25/2014 - 2/25/2014	H3SW	<2.85E+02	0.00E+00	3.00E+03
307270	3/4/2014 - 3/4/2014	H3SW	<2.79E+02	0.00E+00	3.00E+03
307306	3/11/2014 - 3/11/2014	H3SW	<2.82E+02	0.00E+00	3.00E+03
307336	3/18/2014 - 3/18/2014	H3SW	<2.74E+02	0.00E+00	3.00E+03
307364	3/24/2014 - 3/24/2014	H3SW	<2.88E+02	0.00E+00	3.00E+03
307420	3/31/2014 - 3/31/2014	H3SW	<2.84E+02	0.00E+00	3.00E+03
307452	4/8/2014 - 4/8/2014	H3SW	<2.82E+02	0.00E+00	3.00E+03
307470	4/16/2014 - 4/16/2014	H3SW	<2.82E+02	0.00E+00	3.00E+03
307498	4/22/2014 - 4/22/2014	H3SW	<2.76E+02	0.00E+00	3.00E+03
307568	4/29/2014 - 4/29/2014	H3SW	<2.54E+02	0.00E+00	3.00E+03
307598	5/6/2014 - 5/6/2014	H3SW	<2.39E+02	0.00E+00	3.00E+03
307622	5/13/2014 - 5/13/2014	H3SW	<2.36E+02	0.00E+00	3.00E+03
307658	5/20/2014 - 5/20/2014	H3SW	<2.38E+02	0.00E+00	3.00E+03
307678	5/27/2014 - 5/27/2014	H3SW	<2.35E+02	0.00E+00	3.00E+03
307712	6/3/2014 - 6/3/2014	H3SW	<2.36E+02	0.00E+00	3.00E+03
307761	6/10/2014 - 6/10/2014	H3SW	<2.35E+02	0.00E+00	3.00E+03
307791	6/17/2014 - 6/17/2014	H3SW	<2.42E+02	0.00E+00	3.00E+03
307813	6/24/2014 - 6/24/2014	H3SW	<2.39E+02	0.00E+00	3.00E+03
307860	7/1/2014 - 7/1/2014	H3SW	<2.41E+02	0.00E+00	3.00E+03

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EnRad Laboratories
13339 Hagers Ferry Road
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Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
307879	7/7/2014 - 7/7/2014	H3SW	<2.40E+02	0.00E+00	3.00E+03
307919	7/15/2014 - 7/15/2014	H3SW	<2.42E+02	0.00E+00	3.00E+03
307948	7/23/2014 - 7/23/2014	H3SW	<2.48E+02	0.00E+00	3.00E+03
307990	7/29/2014 - 7/29/2014	H3SW	<2.43E+02	0.00E+00	3.00E+03
308079	8/5/2014 - 8/5/2014	H3SW	<2.35E+02	0.00E+00	3.00E+03
308071	8/12/2014 - 8/12/2014	H3SW	<2.44E+02	0.00E+00	3.00E+03
308123	8/19/2014 - 8/19/2014	H3SW	<2.50E+02	0.00E+00	3.00E+03
308133	8/26/2014 - 8/26/2014	H3SW	<2.47E+02	0.00E+00	3.00E+03
308156	9/2/2014 - 9/2/2014	H3SW	<2.48E+02	0.00E+00	3.00E+03
308207	9/9/2014 - 9/9/2014	H3SW	<2.48E+02	0.00E+00	3.00E+03
308249	9/16/2014 - 9/16/2014	H3SW	<2.39E+02	0.00E+00	3.00E+03
308264	9/23/2014 - 9/23/2014	H3SW	<2.41E+02	0.00E+00	3.00E+03
359410	9/30/2014 - 9/30/2014	H3SW	<3.80E+01	0.00E+00	2.50E+02
359900	10/7/2014 - 10/7/2014	H3SW	<1.04E+01	0.00E+00	2.44E+02
360183	10/13/2014 - 10/13/2014	H3SW	<2.23E+02	0.00E+00	2.43E+02
360472	10/21/2014 - 10/21/2014	H3SW	<-3.6E+00	0.00E+00	2.50E+02
361009	10/28/2014 - 10/28/2014	H3SW	<6.08E+01	0.00E+00	2.46E+02
361653	11/4/2014 - 11/4/2014	H3SW	<-4.2E+01	0.00E+00	2.45E+02
362117	11/11/2014 - 11/11/2014	H3SW	<3.43E+00	0.00E+00	2.42E+02
364252	11/19/2014 - 11/19/2014	H3SW	<-1.8E+02	0.00E+00	2.53E+02
365188	11/25/2014 - 11/25/2014	H3SW	<1.19E+02	0.00E+00	2.42E+02
365431	12/2/2014 - 12/2/2014	H3SW	<6.77E+01	0.00E+00	2.37E+02
365666	12/9/2014 - 12/9/2014	H3SW	<-7.9E+01	0.00E+00	2.51E+02
366607	12/15/2014 - 12/15/2014	H3SW	<5.34E+01	0.00E+00	2.45E+02

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EnRad Laboratories
13339 Hagers Ferry Road
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Media Type: SURFACE WATER Concentration (Activity): pCi/l

Sample Point 607 [INDICATOR - -- @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
366779	12/22/2014 - 12/22/2014	H3SW	<-8.1E+01	0.00E+00	2.49E+02
366857	12/29/2014 - 12/29/2014	H3SW	<1.80E+02	0.00E+00	2.47E+02

Sample Point 608 [INDICATOR - -- @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
307005	1/7/2014 - 1/7/2014	H3SW	<2.87E+02	0.00E+00	3.00E+03
307028	1/15/2014 - 1/15/2014	H3SW	<2.80E+02	0.00E+00	3.00E+03
307042	1/21/2014 - 1/21/2014	H3SW	<2.77E+02	0.00E+00	3.00E+03
307066	1/28/2014 - 1/28/2014	H3SW	<2.86E+02	0.00E+00	3.00E+03
307122	2/4/2014 - 2/4/2014	H3SW	<2.78E+02	0.00E+00	3.00E+03
307151	2/11/2014 - 2/11/2014	H3SW	<2.70E+02	0.00E+00	3.00E+03
307202	2/18/2014 - 2/18/2014	H3SW	<2.78E+02	0.00E+00	3.00E+03
307218	2/25/2014 - 2/25/2014	H3SW	<2.85E+02	0.00E+00	3.00E+03
307271	3/4/2014 - 3/4/2014	H3SW	<2.80E+02	0.00E+00	3.00E+03
307307	3/11/2014 - 3/11/2014	H3SW	<2.81E+02	0.00E+00	3.00E+03
307337	3/18/2014 - 3/18/2014	H3SW	<2.83E+02	0.00E+00	3.00E+03
		H3SW	2.82E+02	0.00E+00	3.00E+03
307365	3/24/2014 - 3/24/2014	H3SW	<2.88E+02	0.00E+00	3.00E+03
307421	3/31/2014 - 3/31/2014	H3SW	<2.84E+02	0.00E+00	3.00E+03
307453	4/8/2014 - 4/8/2014	H3SW	<2.83E+02	0.00E+00	3.00E+03
307471	4/16/2014 - 4/16/2014	H3SW	<2.82E+02	0.00E+00	3.00E+03
307499	4/22/2014 - 4/22/2014	H3SW	<2.76E+02	0.00E+00	3.00E+03
307569	4/29/2014 - 4/29/2014	H3SW	<2.55E+02	0.00E+00	3.00E+03
307599	5/6/2014 - 5/6/2014	H3SW	<2.40E+02	0.00E+00	3.00E+03
307623	5/13/2014 - 5/13/2014	H3SW	<2.36E+02	0.00E+00	3.00E+03
307659	5/20/2014 - 5/20/2014	H3SW	<2.38E+02	0.00E+00	3.00E+03
307679	5/27/2014 - 5/27/2014	H3SW	<2.36E+02	0.00E+00	3.00E+03

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
307713	6/3/2014 - 6/3/2014	H3SW	<2.37E+02	0.00E+00	3.00E+03
307762	6/10/2014 - 6/10/2014	H3SW	<2.38E+02	0.00E+00	3.00E+03
307792	6/17/2014 - 6/17/2014	H3SW	<2.42E+02	0.00E+00	3.00E+03
307814	6/24/2014 - 6/24/2014	H3SW	<2.44E+02	0.00E+00	3.00E+03
307861	7/1/2014 - 7/1/2014	H3SW	<2.41E+02	0.00E+00	3.00E+03
307880	7/7/2014 - 7/7/2014	H3SW	<2.35E+02	0.00E+00	3.00E+03
307920	7/15/2014 - 7/15/2014	H3SW	<2.43E+02	0.00E+00	3.00E+03
307949	7/23/2014 - 7/23/2014	H3SW	<2.48E+02	0.00E+00	3.00E+03
307991	7/29/2014 - 7/29/2014	H3SW	<2.44E+02	0.00E+00	3.00E+03
308057	8/5/2014 - 8/5/2014	H3SW	<2.39E+02	0.00E+00	3.00E+03
		H3SW	<2.43E+02	0.00E+00	3.00E+03
308072	8/12/2014 - 8/12/2014	H3SW	<2.44E+02	0.00E+00	3.00E+03
308115	8/19/2014 - 8/19/2014	H3SW	<2.34E+02	0.00E+00	3.00E+03
308134	8/26/2014 - 8/26/2014	H3SW	<2.48E+02	0.00E+00	3.00E+03
308157	9/2/2014 - 9/2/2014	H3SW	<2.48E+02	0.00E+00	3.00E+03
308208	9/9/2014 - 9/9/2014	H3SW	<2.46E+02	0.00E+00	3.00E+03
308250	9/16/2014 - 9/16/2014	H3SW	<2.40E+02	0.00E+00	3.00E+03
308265	9/23/2014 - 9/23/2014	H3SW	<2.43E+02	0.00E+00	3.00E+03
359411	9/30/2014 - 9/30/2014	H3SW	<1.51E+02	0.00E+00	2.52E+02
360124	10/7/2014 - 10/7/2014	H3SW	<-2.5E+01	0.00E+00	2.48E+02
360184	10/13/2014 - 10/13/2014	H3SW	<9.29E+01	0.00E+00	2.43E+02
360473	10/21/2014 - 10/21/2014	H3SW	<9.57E+01	0.00E+00	2.50E+02
361065	10/28/2014 - 10/28/2014	H3SW	<8.40E+01	0.00E+00	2.36E+02
361654	11/4/2014 - 11/4/2014	H3SW	<2.59E+01	0.00E+00	2.44E+02
364383	11/11/2014 - 11/11/2014	H3SW	2.42E+02	1.43E+02	2.36E+02

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

Sample Point 608 [INDICATOR - -- @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
364253	11/19/2014 - 11/19/2014	H3SW	<-1.0E+02	0.00E+00	2.53E+02
365220	11/25/2014 - 11/25/2014	H3SW	<6.33E+01	0.00E+00	2.43E+02
365432	12/2/2014 - 12/2/2014	H3SW	<9.84E+01	0.00E+00	2.36E+02
365669	12/9/2014 - 12/9/2014	H3SW	<-1.1E+02	0.00E+00	2.52E+02
366608	12/15/2014 - 12/15/2014	H3SW	<6.65E+01	0.00E+00	2.46E+02
366780	12/22/2014 - 12/22/2014	H3SW	<-1.2E+02	0.00E+00	2.50E+02
366895	12/29/2014 - 12/29/2014	H3SW	<1.15E+02	0.00E+00	2.57E+02

Sample Point 609 [INDICATOR - -- @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
307006	1/7/2014 - 1/7/2014	H3SW	<2.88E+02	0.00E+00	3.00E+03
307029	1/15/2014 - 1/15/2014	H3SW	<2.82E+02	0.00E+00	3.00E+03
307043	1/21/2014 - 1/21/2014	H3SW	<2.83E+02	0.00E+00	3.00E+03
307067	1/28/2014 - 1/28/2014	H3SW	<2.84E+02	0.00E+00	3.00E+03
307123	2/4/2014 - 2/4/2014	H3SW	<2.76E+02	0.00E+00	3.00E+03
307152	2/11/2014 - 2/11/2014	H3SW	<2.68E+02	0.00E+00	3.00E+03
307205	2/18/2014 - 2/18/2014	H3SW	<2.75E+02	0.00E+00	3.00E+03
307219	2/25/2014 - 2/25/2014	H3SW	<2.83E+02	0.00E+00	3.00E+03
307279	3/4/2014 - 3/4/2014	H3SW	<2.68E+02	0.00E+00	3.00E+03
307308	3/11/2014 - 3/11/2014	H3SW	<2.78E+02	0.00E+00	3.00E+03
307338	3/18/2014 - 3/18/2014	H3SW	<2.76E+02	0.00E+00	3.00E+03
307366	3/24/2014 - 3/24/2014	H3SW	<2.85E+02	0.00E+00	3.00E+03
307422	3/31/2014 - 3/31/2014	H3SW	<2.85E+02	0.00E+00	3.00E+03
307454	4/8/2014 - 4/8/2014	H3SW	<2.93E+02	0.00E+00	3.00E+03
307472	4/16/2014 - 4/16/2014	H3SW	<2.84E+02	0.00E+00	3.00E+03
307500	4/22/2014 - 4/22/2014	H3SW	<2.82E+02	0.00E+00	3.00E+03
307570	4/29/2014 - 4/29/2014	H3SW	<2.56E+02	0.00E+00	3.00E+03

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EnRad Laboratories
13339 Hagers Ferry Road
Huntersville, North Carolina 28078

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
307600	5/6/2014 - 5/6/2014	H3SW	<2.39E+02	0.00E+00	3.00E+03
307628	5/13/2014 - 5/13/2014	H3SW	<2.33E+02	0.00E+00	3.00E+03
307660	5/20/2014 - 5/20/2014	H3SW	<2.32E+02	0.00E+00	3.00E+03
307680	5/27/2014 - 5/27/2014	H3SW	<2.36E+02	0.00E+00	3.00E+03
307714	6/3/2014 - 6/3/2014	H3SW	<2.36E+02	0.00E+00	3.00E+03
307763	6/10/2014 - 6/10/2014	H3SW	<2.38E+02	0.00E+00	3.00E+03
307797	6/17/2014 - 6/17/2014	H3SW	<2.47E+02	0.00E+00	3.00E+03
307815	6/24/2014 - 6/24/2014	H3SW	<2.43E+02	0.00E+00	3.00E+03
307862	7/1/2014 - 7/1/2014	H3SW	<2.40E+02	0.00E+00	3.00E+03
307881	7/7/2014 - 7/7/2014	H3SW	<2.36E+02	0.00E+00	3.00E+03
307921	7/15/2014 - 7/15/2014	H3SW	<2.43E+02	0.00E+00	3.00E+03
307950	7/23/2014 - 7/23/2014	H3SW	<2.50E+02	0.00E+00	3.00E+03
307992	7/29/2014 - 7/29/2014	H3SW	<2.44E+02	0.00E+00	3.00E+03
308059	8/5/2014 - 8/5/2014	H3SW	<2.42E+02	0.00E+00	3.00E+03
308073	8/12/2014 - 8/12/2014	H3SW	<2.43E+02	0.00E+00	3.00E+03
308116	8/19/2014 - 8/19/2014	H3SW	<2.32E+02	0.00E+00	3.00E+03
308135	8/26/2014 - 8/26/2014	H3SW	<2.48E+02	0.00E+00	3.00E+03
308158	9/2/2014 - 9/2/2014	H3SW	<2.49E+02	0.00E+00	3.00E+03
308209	9/9/2014 - 9/9/2014	H3SW	<2.45E+02	0.00E+00	3.00E+03
308251	9/16/2014 - 9/16/2014	H3SW	<2.39E+02	0.00E+00	3.00E+03
308266	9/23/2014 - 9/23/2014	H3SW	<2.43E+02	0.00E+00	3.00E+03
359412	9/30/2014 - 9/30/2014	H3SW	<1.13E+02	0.00E+00	2.52E+02
359902	10/7/2014 - 10/7/2014	H3SW	<2.61E+01	0.00E+00	2.46E+02
360185	10/13/2014 - 10/13/2014	H3SW	<1.09E+02	0.00E+00	2.40E+02

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

EnRad Laboratories
13339 Hagers Ferry Road
Huntersville, North Carolina 28078

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

Sample Point 609 [INDICATOR - -- @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
360474	10/21/2014 - 10/21/2014	H3SW	<1.49E+02	0.00E+00	2.48E+02
361066	10/28/2014 - 10/28/2014	H3SW	<1.18E+02	0.00E+00	2.35E+02
361655	11/4/2014 - 11/4/2014	H3SW	<2.24E+01	0.00E+00	2.43E+02
364384	11/11/2014 - 11/11/2014	H3SW	<7.09E+01	0.00E+00	2.36E+02
364254	11/19/2014 - 11/19/2014	H3SW	<-2.2E+02	0.00E+00	2.52E+02
365221	11/25/2014 - 11/25/2014	H3SW	<-3.9E+01	0.00E+00	2.42E+02
365433	12/2/2014 - 12/2/2014	H3SW	<2.43E+01	0.00E+00	2.37E+02
365674	12/9/2014 - 12/9/2014	H3SW	<-1.1E+02	0.00E+00	2.52E+02
366609	12/15/2014 - 12/15/2014	H3SW	<4.63E+01	0.00E+00	2.47E+02
366781	12/22/2014 - 12/22/2014	H3SW	<-2.1E+01	0.00E+00	2.49E+02
366896	12/29/2014 - 12/29/2014	H3SW	<6.83E+01	0.00E+00	2.55E+02

Sample Point 610 [INDICATOR - -- @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
307013	1/7/2014 - 1/7/2014	H3SW	<2.79E+02	0.00E+00	3.00E+03
307030	1/15/2014 - 1/15/2014	H3SW	<2.82E+02	0.00E+00	3.00E+03
307044	1/21/2014 - 1/21/2014	H3SW	<2.82E+02	0.00E+00	3.00E+03
307068	1/28/2014 - 1/28/2014	H3SW	<2.84E+02	0.00E+00	3.00E+03
307124	2/4/2014 - 2/4/2014	H3SW	<2.78E+02	0.00E+00	3.00E+03
307153	2/11/2014 - 2/11/2014	H3SW	<2.69E+02	0.00E+00	3.00E+03
307203	2/18/2014 - 2/18/2014	H3SW	<2.79E+02	0.00E+00	3.00E+03
307220	2/25/2014 - 2/25/2014	H3SW	<2.83E+02	0.00E+00	3.00E+03
307272	3/4/2014 - 3/4/2014	H3SW	<2.73E+02	0.00E+00	3.00E+03
307309	3/11/2014 - 3/11/2014	H3SW	<2.90E+02	0.00E+00	3.00E+03
307339	3/18/2014 - 3/18/2014	H3SW	<2.77E+02	0.00E+00	3.00E+03
307367	3/24/2014 - 3/24/2014	H3SW	<2.86E+02	0.00E+00	3.00E+03
307423	3/31/2014 - 3/31/2014	H3SW	<2.85E+02	0.00E+00	3.00E+03

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

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

Sample Point 610 [INDICATOR - -- @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
307604	4/8/2014 - 4/8/2014	H3SW	<2.95E+02	0.00E+00	3.00E+03
307473	4/16/2014 - 4/16/2014	H3SW	<2.84E+02	0.00E+00	3.00E+03
307501	4/22/2014 - 4/22/2014	H3SW	<2.84E+02	0.00E+00	3.00E+03
307571	4/29/2014 - 4/29/2014	H3SW	<2.54E+02	0.00E+00	3.00E+03
307601	5/6/2014 - 5/6/2014	H3SW	<2.39E+02	0.00E+00	3.00E+03
307624	5/13/2014 - 5/13/2014	H3SW	<2.28E+02	0.00E+00	3.00E+03
307661	5/20/2014 - 5/20/2014	H3SW	<2.31E+02	0.00E+00	3.00E+03
307681	5/27/2014 - 5/27/2014	H3SW	<2.36E+02	0.00E+00	3.00E+03
307715	6/3/2014 - 6/3/2014	H3SW	<2.37E+02	0.00E+00	3.00E+03
307764	6/10/2014 - 6/10/2014	H3SW	<2.38E+02	0.00E+00	3.00E+03
307796	6/17/2014 - 6/17/2014	H3SW	<2.48E+02	0.00E+00	3.00E+03
307816	6/24/2014 - 6/24/2014	H3SW	<2.42E+02	0.00E+00	3.00E+03
307863	7/1/2014 - 7/1/2014	H3SW	<2.41E+02	0.00E+00	3.00E+03
307882	7/7/2014 - 7/7/2014	H3SW	<2.36E+02	0.00E+00	3.00E+03
307923	7/15/2014 - 7/15/2014	H3SW	<2.42E+02	0.00E+00	3.00E+03
307951	7/23/2014 - 7/23/2014	H3SW	<2.50E+02	0.00E+00	3.00E+03
307993	7/29/2014 - 7/29/2014	H3SW	<2.45E+02	0.00E+00	3.00E+03
308060	8/5/2014 - 8/5/2014	H3SW	<2.41E+02	0.00E+00	3.00E+03
308074	8/12/2014 - 8/12/2014	H3SW	<2.42E+02	0.00E+00	3.00E+03
308139	8/19/2014 - 8/19/2014	H3SW	<2.34E+02	0.00E+00	3.00E+03
308136	8/26/2014 - 8/26/2014	H3SW	<2.47E+02	0.00E+00	3.00E+03
308159	9/2/2014 - 9/2/2014	H3SW	<2.48E+02	0.00E+00	3.00E+03
308210	9/9/2014 - 9/9/2014	H3SW	<2.44E+02	0.00E+00	3.00E+03
308252	9/16/2014 - 9/16/2014	H3SW	<2.39E+02	0.00E+00	3.00E+03

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

Sample Point 610 [INDICATOR - -- @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
308267	9/23/2014 - 9/23/2014	H3SW	<2.42E+02	0.00E+00	3.00E+03
359688	9/30/2014 - 9/30/2014	H3SW	<1.79E+02	0.00E+00	2.39E+02
359903	10/7/2014 - 10/7/2014	H3SW	<7.99E+01	0.00E+00	2.46E+02
360186	10/13/2014 - 10/13/2014	H3SW	<1.14E+02	0.00E+00	2.42E+02
360475	10/21/2014 - 10/21/2014	H3SW	<1.07E+02	0.00E+00	2.51E+02
361067	10/28/2014 - 10/28/2014	H3SW	<2.03E+02	0.00E+00	2.37E+02
361656	11/4/2014 - 11/4/2014	H3SW	<7.48E+01	0.00E+00	2.45E+02
364385	11/11/2014 - 11/11/2014	H3SW	<9.37E+01	0.00E+00	2.37E+02
364255	11/19/2014 - 11/19/2014	H3SW	<1.06E+02	0.00E+00	2.44E+02
365222	11/25/2014 - 11/25/2014	H3SW	<6.75E+01	0.00E+00	2.39E+02
365434	12/2/2014 - 12/2/2014	H3SW	<1.22E+02	0.00E+00	2.37E+02
365677	12/9/2014 - 12/9/2014	H3SW	<-1.2E+02	0.00E+00	2.50E+02
366610	12/15/2014 - 12/15/2014	H3SW	<9.51E+01	0.00E+00	2.48E+02
366782	12/22/2014 - 12/22/2014	H3SW	<-1.1E+02	0.00E+00	2.49E+02
366897	12/29/2014 - 12/29/2014	H3SW	<-1.1E+02	0.00E+00	2.54E+02

Sample Point 1065 [INDICATOR - @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
306947	1/7/2014 - 1/7/2014	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
307007	1/15/2014 - 1/15/2014	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

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1065 [INDICATOR - @ 0 miles]

Sample ID:	307007	Sample Dates: 1/15/2014 - 1/15/2014	Nuclide	Activity	Sigma Error [1]	LLD
			BaLa-140	<1.50E+01	0.00E+00	1.50E+01
Sample ID:	307023	Sample Dates: 1/21/2014 - 1/21/2014	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
Sample ID:	307053	Sample Dates: 1/28/2014 - 1/28/2014	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
Sample ID:	307288	Sample Dates: 2/4/2014 - 2/4/2014	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
Sample ID:	307289	Sample Dates: 2/11/2014 - 2/11/2014	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
Sample ID:	307183	Sample Dates: 2/18/2014 - 2/18/2014	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

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

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

Sample Point 1065 [INDICATOR - @ 0 miles]

Sample ID: 307193 Sample Dates: 2/25/2014 - 2/25/2014

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

Sample ID: 307284 Sample Dates: 3/4/2014 - 3/4/2014

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

Sample ID: 307294 Sample Dates: 3/11/2014 - 3/11/2014

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

Sample ID: 307330 Sample Dates: 3/18/2014 - 3/18/2014

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

Sample ID: 307348 Sample Dates: 3/24/2014 - 3/24/2014

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

Sample ID: 307407 Sample Dates: 3/31/2014 - 3/31/2014

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

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

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

Sample Point 1065 [INDICATOR - @ 0 miles]

Sample ID: 307407 Sample Dates: 3/31/2014 - 3/31/2014

Nuclide	Activity	Sigma Error [1]	LLD
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

Sample ID: 307426 Sample Dates: 4/8/2014 - 4/8/2014

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

Sample ID: 307458 Sample Dates: 4/16/2014 - 4/16/2014

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

Sample ID: 307474 Sample Dates: 4/22/2014 - 4/22/2014

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

Sample ID: 307526 Sample Dates: 4/29/2014 - 4/29/2014

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

Sample ID: 307553 Sample Dates: 5/6/2014 - 5/6/2014

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

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

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

Sample Point 1065 [INDICATOR - @ 0 miles]

Sample ID:	307553	Sample Dates: 5/6/2014 - 5/6/2014	Nuclide	Activity	Sigma Error [1]	LLD
			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
Sample ID:	307587	Sample Dates: 5/13/2014 - 5/13/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Mn-54	<1.50E+01	0.00E+00	1.50E+01
			Mn-54	<1.50E+01	0.00E+00	1.50E+01
			Co-58	<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
			Fe-59	<3.00E+01	0.00E+00	3.00E+01
			Co-60	<1.50E+01	0.00E+00	1.50E+01
			Co-60	<1.50E+01	0.00E+00	1.50E+01
			Zn-65	<3.00E+01	0.00E+00	3.00E+01
			Zn-65	<3.00E+01	0.00E+00	3.00E+01
			Zr-95	<1.50E+01	0.00E+00	1.50E+01
			Zr-95	<1.50E+01	0.00E+00	1.50E+01
			Nb-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
			I-131	<1.50E+01	0.00E+00	1.50E+01
			Cs-134	<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
			Cs-137	<1.80E+01	0.00E+00	1.80E+01
			BaLa-140	<1.50E+01	0.00E+00	1.50E+01
			BaLa-140	<1.50E+01	0.00E+00	1.50E+01
Sample ID:	307615	Sample Dates: 5/20/2014 - 5/20/2014	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
Sample ID:	307639	Sample Dates: 5/27/2014 - 5/27/2014	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
Sample ID:	307688	Sample Dates: 6/3/2014 - 6/3/2014	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

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1065 [INDICATOR - @ 0 miles]

Sample ID: 307688 **Sample Dates: 6/3/2014 - 6/3/2014**

Nuclide	Activity	Sigma Error [1]	LLD
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

Sample ID: 307731 **Sample Dates: 6/10/2014 - 6/10/2014**

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

Sample ID: 307775 **Sample Dates: 6/17/2014 - 6/17/2014**

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

Sample ID: 307782 **Sample Dates: 6/24/2014 - 6/24/2014**

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

Sample ID: 307819 **Sample Dates: 7/1/2014 - 7/1/2014**

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

Sample ID: 307866 **Sample Dates: 7/7/2014 - 7/7/2014**

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

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1065 [INDICATOR - @ 0 miles]

Sample ID:	307866	Sample Dates: 7/7/2014 - 7/7/2014	Nuclide	Activity	Sigma Error [1]	LLD
			Cs-137	<1.80E+01	0.00E+00	1.80E+01
			BaLa-140	<1.50E+01	0.00E+00	1.50E+01
Sample ID:	**307908**	**Sample Dates: 7/15/2014 - 7/15/2014**	**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
Sample ID:	**307929**	**Sample Dates: 7/23/2014 - 7/23/2014**	**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
Sample ID:	**307975**	**Sample Dates: 7/29/2014 - 7/29/2014**	**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
Sample ID:	**307998**	**Sample Dates: 8/5/2014 - 8/5/2014**	**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
Sample ID:	**308006**	**Sample Dates: 8/12/2014 - 8/12/2014**	**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

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1065 [INDICATOR - @ 0 miles]

Sample ID:	308006	Sample Dates: 8/12/2014 - 8/12/2014	Nuclide	Activity	Sigma Error [1]	LLD
			BaLa-140	<1.50E+01	0.00E+00	1.50E+01
Sample ID:	**308047**	**Sample Dates: 8/19/2014 - 8/19/2014**	**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
Sample ID:	**308092**	**Sample Dates: 8/26/2014 - 8/26/2014**	**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
Sample ID:	**308119**	**Sample Dates: 9/2/2014 - 9/2/2014**	**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
Sample ID:	**308140**	**Sample Dates: 9/9/2014 - 9/9/2014**	**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
Sample ID:	**308218**	**Sample Dates: 9/16/2014 - 9/16/2014**	**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

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

EnRad Laboratories
13339 Hagers Ferry Road
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BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1065 [INDICATOR - @ 0 miles]

Sample ID: 308221 **Sample Dates: 9/23/2014 - 9/23/2014**

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

Sample ID: 378649 **Sample Dates: 9/30/2014 - 9/30/2014**

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

Sample ID: 378650 **Sample Dates: 10/7/2014 - 10/7/2014**

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

Sample ID: 378651 **Sample Dates: 10/13/2014 - 10/13/2014**

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

Sample ID: 378666 **Sample Dates: 10/21/2014 - 10/21/2014**

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

Sample ID: 378667 **Sample Dates: 10/28/2014 - 10/28/2014**

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

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1065 [INDICATOR - @ 0 miles]

Sample ID: 378667 Sample Dates: 10/28/2014 - 10/28/2014

Nuclide	Activity	Sigma Error [1]	LLD
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

Sample ID: 378668 Sample Dates: 11/4/2014 - 11/4/2014

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

Sample ID: 378669 Sample Dates: 11/11/2014 - 11/11/2014

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

Sample ID: 378670 Sample Dates: 11/19/2014 - 11/19/2014

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

Sample ID: 378678 Sample Dates: 11/25/2014 - 11/25/2014

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

Sample ID: 378679 Sample Dates: 12/2/2014 - 12/2/2014

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

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1065 [INDICATOR - @ 0 miles]

Sample ID: 378679 **Sample Dates: 12/2/2014 - 12/2/2014**

Nuclide	Activity	Sigma Error [1]	LLD
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

Sample ID: 378680 **Sample Dates: 12/9/2014 - 12/9/2014**

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

Sample ID: 378681 **Sample Dates: 12/15/2014 - 12/15/2014**

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

Sample ID: 378683 **Sample Dates: 12/22/2014 - 12/22/2014**

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

Sample ID: 378685 **Sample Dates: 12/29/2014 - 12/29/2014**

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

Sample Point 1066 [INDICATOR - @ 0 miles]

Sample ID: 306948 **Sample Dates: 1/7/2014 - 1/7/2014**

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

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1066 [INDICATOR - @ 0 miles]

Sample ID:	306948	Sample Dates: 1/7/2014 - 1/7/2014	Nuclide	Activity	Sigma Error [1]	LLD
			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
Sample ID:	307009	Sample Dates: 1/15/2014 - 1/15/2014	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
Sample ID:	307024	Sample Dates: 1/21/2014 - 1/21/2014	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
Sample ID:	307054	Sample Dates: 1/28/2014 - 1/28/2014	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
Sample ID:	307290	Sample Dates: 2/4/2014 - 2/4/2014	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
Sample ID:	307291	Sample Dates: 2/11/2014 - 2/11/2014	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) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.

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

Sample Point 1066 [INDICATOR - @ 0 miles]

Sample ID: 307291 Sample Dates: 2/11/2014 - 2/11/2014

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

Sample ID: 307184 Sample Dates: 2/18/2014 - 2/18/2014

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

Sample ID: 307292 Sample Dates: 2/25/2014 - 2/25/2014

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

Sample ID: 307285 Sample Dates: 3/4/2014 - 3/4/2014

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

Sample ID: 307295 Sample Dates: 3/11/2014 - 3/11/2014

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

Sample ID: 307331 Sample Dates: 3/18/2014 - 3/18/2014

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1066 [INDICATOR - @ 0 miles]

Sample ID: 307331 Sample Dates: 3/18/2014 - 3/18/2014

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

Sample ID: 307349 Sample Dates: 3/24/2014 - 3/24/2014

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

Sample ID: 307409 Sample Dates: 3/31/2014 - 3/31/2014

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

Sample ID: 307408 Sample Dates: 4/2/2014 - 4/2/2014

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

Sample ID: 307427 Sample Dates: 4/8/2014 - 4/8/2014

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

Sample ID: 307460 Sample Dates: 4/16/2014 - 4/16/2014

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

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1066 [INDICATOR - @ 0 miles]

Sample ID: 307460 Sample Dates: 4/16/2014 - 4/16/2014

Nuclide	Activity	Sigma Error [1]	LLD
BaLa-140	<1.50E+01	0.00E+00	1.50E+01

Sample ID: 307475 Sample Dates: 4/22/2014 - 4/22/2014

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

Sample ID: 307545 Sample Dates: 4/29/2014 - 4/29/2014

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

Sample ID: 307554 Sample Dates: 5/6/2014 - 5/6/2014

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

Sample ID: 307588 Sample Dates: 5/13/2014 - 5/13/2014

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

Sample ID: 307616 Sample Dates: 5/20/2014 - 5/20/2014

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

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1066 [INDICATOR - @ 0 miles]

Sample ID: 307645 **Sample Dates: 5/27/2014 - 5/27/2014**

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

Sample ID: 307691 **Sample Dates: 6/3/2014 - 6/3/2014**

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

Sample ID: 307783 **Sample Dates: 6/4/2014 - 6/4/2014**

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

Sample ID: 307753 **Sample Dates: 6/10/2014 - 6/10/2014**

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

Sample ID: 307776 **Sample Dates: 6/17/2014 - 6/17/2014**

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

Sample ID: 307820 **Sample Dates: 7/1/2014 - 7/1/2014**

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

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

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

Sample Point 1066 [INDICATOR - @ 0 miles]

Sample ID: 307820 Sample Dates: 7/1/2014 - 7/1/2014

Nuclide	Activity	Sigma Error [1]	LLD
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

Sample ID: 307867 Sample Dates: 7/7/2014 - 7/7/2014

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

Sample ID: 307930 Sample Dates: 7/13/2014 - 7/13/2014

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

Sample ID: 307909 Sample Dates: 7/15/2014 - 7/15/2014

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

Sample ID: 307976 Sample Dates: 7/29/2014 - 7/29/2014

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

Sample ID: 308003 Sample Dates: 8/5/2014 - 8/5/2014

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

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1066 [INDICATOR - @ 0 miles]

Sample ID:	308003	Sample Dates: 8/5/2014 - 8/5/2014	Nuclide	Activity	Sigma Error [1]	LLD
			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
Sample ID:	308007	Sample Dates: 8/12/2014 - 8/12/2014	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
Sample ID:	308048	Sample Dates: 8/19/2014 - 8/19/2014	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
Sample ID:	308093	Sample Dates: 8/26/2014 - 8/26/2014	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
Sample ID:	308120	Sample Dates: 9/2/2014 - 9/2/2014	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
Sample ID:	308141	Sample Dates: 9/9/2014 - 9/9/2014	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) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1066 [INDICATOR - @ 0 miles]

Sample ID:	308141	Sample Dates: 9/9/2014 - 9/9/2014	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
Sample ID:	**308219**	**Sample Dates: 9/16/2014 - 9/16/2014**	**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
Sample ID:	**308222**	**Sample Dates: 9/23/2014 - 9/23/2014**	**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
Sample ID:	**378677**	**Sample Dates: 9/30/2014 - 9/30/2014**	**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
Sample ID:	**378682**	**Sample Dates: 10/7/2014 - 10/7/2014**	**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
Sample ID:	**378684**	**Sample Dates: 10/13/2014 - 10/13/2014**	**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) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.

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

Sample Point 1066 [INDICATOR - @ 0 miles]

Sample ID: 378684 Sample Dates: 10/13/2014 - 10/13/2014

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

Sample ID: 378686 Sample Dates: 10/21/2014 - 10/21/2014

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

Sample ID: 378687 Sample Dates: 10/28/2014 - 10/28/2014

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

Sample ID: 378688 Sample Dates: 11/4/2014 - 11/4/2014

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

Sample ID: 378689 Sample Dates: 11/11/2014 - 11/11/2014

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

Sample ID: 378690 Sample Dates: 11/19/2014 - 11/19/2014

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

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1066 [INDICATOR - @ 0 miles]

Sample ID: 378690 **Sample Dates: 11/19/2014 - 11/19/2014**

Nuclide	Activity	Sigma Error [1]	LLD
BaLa-140	<1.50E+01	0.00E+00	1.50E+01

Sample ID: 378691 **Sample Dates: 11/25/2014 - 11/25/2014**

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

Sample ID: 378692 **Sample Dates: 12/2/2014 - 12/2/2014**

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

Sample ID: 378693 **Sample Dates: 12/9/2014 - 12/9/2014**

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

Sample ID: 378694 **Sample Dates: 12/15/2014 - 12/15/2014**

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

Sample ID: 378695 **Sample Dates: 12/22/2014 - 12/22/2014**

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

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

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

Sample Point 1066 [INDICATOR - @ 0 miles]

Sample ID: 378696 Sample Dates: 12/29/2014 - 12/29/2014

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

Sample Point 1067 [INDICATOR - @ 0 miles]

Sample ID: 306946 Sample Dates: 1/7/2014 - 1/7/2014

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

Sample ID: 307008 Sample Dates: 1/15/2014 - 1/15/2014

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

Sample ID: 307025 Sample Dates: 1/21/2014 - 1/21/2014

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

Sample ID: 307055 Sample Dates: 1/28/2014 - 1/28/2014

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

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1067 [INDICATOR - @ 0 miles]

Sample ID: 307286 Sample Dates: 2/4/2014 - 2/4/2014

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

Sample ID: 307287 Sample Dates: 2/11/2014 - 2/11/2014

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

Sample ID: 307182 Sample Dates: 2/18/2014 - 2/18/2014

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

Sample ID: 307293 Sample Dates: 2/25/2014 - 2/25/2014

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

Sample ID: 307283 Sample Dates: 3/4/2014 - 3/4/2014

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

Sample ID: 307313 Sample Dates: 3/11/2014 - 3/11/2014

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

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1067 [INDICATOR - @ 0 miles]

Sample ID: 307313 Sample Dates: 3/11/2014 - 3/11/2014

Nuclide	Activity	Sigma Error [1]	LLD
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

Sample ID: 307332 Sample Dates: 3/18/2014 - 3/18/2014

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

Sample ID: 307350 Sample Dates: 3/24/2014 - 3/24/2014

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

Sample ID: 307410 Sample Dates: 3/31/2014 - 3/31/2014

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

Sample ID: 307434 Sample Dates: 4/8/2014 - 4/8/2014

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

Sample ID: 307461 Sample Dates: 4/16/2014 - 4/16/2014

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

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1067 [INDICATOR - @ 0 miles]

Sample ID: 307461 **Sample Dates: 4/16/2014 - 4/16/2014**

Nuclide	Activity	Sigma Error [1]	LLD
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

Sample ID: 307479 **Sample Dates: 4/22/2014 - 4/22/2014**

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

Sample ID: 307546 **Sample Dates: 4/29/2014 - 4/29/2014**

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

Sample ID: 307555 **Sample Dates: 5/6/2014 - 5/6/2014**

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

Sample ID: 307589 **Sample Dates: 5/13/2014 - 5/13/2014**

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

Sample ID: 307617 **Sample Dates: 5/20/2014 - 5/20/2014**

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1067 [INDICATOR - @ 0 miles]

Sample ID:	307617	Sample Dates: 5/20/2014 - 5/20/2014	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
Sample ID:	**307647**	**Sample Dates: 5/27/2014 - 5/27/2014**	**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
Sample ID:	**307693**	**Sample Dates: 6/3/2014 - 6/3/2014**	**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
Sample ID:	**307754**	**Sample Dates: 6/10/2014 - 6/10/2014**	**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
Sample ID:	**307777**	**Sample Dates: 6/17/2014 - 6/17/2014**	**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
Sample ID:	**307794**	**Sample Dates: 6/24/2014 - 6/24/2014**	**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) Effective 10JUL2014, analytical samples indicating detectable activity are reported with 2 Sigma error.

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

Sample Point 1067 [INDICATOR - @ 0 miles]

Sample ID:	307794	Sample Dates: 6/24/2014 - 6/24/2014	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
Sample ID:	307826	Sample Dates: 7/1/2014 - 7/1/2014	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
Sample ID:	307868	Sample Dates: 7/7/2014 - 7/7/2014	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
Sample ID:	307910	Sample Dates: 7/15/2014 - 7/15/2014	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
Sample ID:	307931	Sample Dates: 7/23/2014 - 7/23/2014	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
Sample ID:	307977	Sample Dates: 7/29/2014 - 7/29/2014	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

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1067 [INDICATOR - @ 0 miles]

Sample ID:	307977	Sample Dates: 7/29/2014 - 7/29/2014	Nuclide	Activity	Sigma Error [1]	LLD
			BaLa-140	<1.50E+01	0.00E+00	1.50E+01
Sample ID:	308005	Sample Dates: 8/5/2014 - 8/5/2014	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
Sample ID:	308008	Sample Dates: 8/12/2014 - 8/12/2014	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
Sample ID:	308049	Sample Dates: 8/19/2014 - 8/19/2014	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
Sample ID:	308095	Sample Dates: 8/26/2014 - 8/26/2014	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
Sample ID:	308122	Sample Dates: 9/2/2014 - 9/2/2014	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

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

Sample ID: 308142 **Sample Dates: 9/9/2014 - 9/9/2014**

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

Sample ID: 308220 **Sample Dates: 9/16/2014 - 9/16/2014**

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

Sample ID: 308223 **Sample Dates: 9/23/2014 - 9/23/2014**

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

Sample ID: 378652 **Sample Dates: 9/30/2014 - 9/30/2014**

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

Sample ID: 378653 **Sample Dates: 10/7/2014 - 10/7/2014**

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

Sample ID: 378654 **Sample Dates: 10/13/2014 - 10/13/2014**

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

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

Sample ID: 378654 **Sample Dates: 10/13/2014 - 10/13/2014**

Nuclide	Activity	Sigma Error [1]	LLD
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

Sample ID: 378655 **Sample Dates: 10/21/2014 - 10/21/2014**

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

Sample ID: 378656 **Sample Dates: 10/28/2014 - 10/28/2014**

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

Sample ID: 378657 **Sample Dates: 11/4/2014 - 11/4/2014**

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

Sample ID: 378658 **Sample Dates: 11/11/2014 - 11/11/2014**

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

Sample ID: 378659 **Sample Dates: 11/19/2014 - 11/19/2014**

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

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 1067 [INDICATOR - @ 0 miles]

Sample ID: 378659 Sample Dates: 11/19/2014 - 11/19/2014

Nuclide	Activity	Sigma Error [1]	LLD
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

Sample ID: 378660 Sample Dates: 11/25/2014 - 11/25/2014

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

Sample ID: 378661 Sample Dates: 12/2/2014 - 12/2/2014

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

Sample ID: 378662 Sample Dates: 12/9/2014 - 12/9/2014

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

Sample ID: 378663 Sample Dates: 12/15/2014 - 12/15/2014

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

Sample ID: 378664 Sample Dates: 12/22/2014 - 12/22/2014

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

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

Sample Point 1067 [INDICATOR - @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error [1]	LLD
378664	12/22/2014 - 12/22/2014	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
378665	12/29/2014 - 12/29/2014	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

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

Sample Point 1 [INDICATOR - E @ 1.1 miles] — TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
289630	1/3/2014 - 4/8/2014	mR/Std Qtr	10.32
297963	4/8/2014 - 7/7/2014	mR/Std Qtr	9.01
365705	7/7/2014 - 10/1/2014	mR/Std Qtr	9.01
362367	10/1/2014 - 1/6/2015	mR/Std Qtr	11.38

Sample Point 2 [INDICATOR - ESE @ 0.9 miles] — TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
289631	1/3/2014 - 4/8/2014	mR/Std Qtr	10.78
297964	4/8/2014 - 7/7/2014	mR/Std Qtr	8.61
365706	7/7/2014 - 10/1/2014	mR/Std Qtr	8.23
362377	10/1/2014 - 1/6/2015	mR/Std Qtr	12.10

Sample Point 3 [INDICATOR - SE @ 0.9 miles] — TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
289632	1/3/2014 - 4/8/2014	mR/Std Qtr	10.59
297965	4/8/2014 - 7/7/2014	mR/Std Qtr	9.36
365707	7/7/2014 - 10/1/2014	mR/Std Qtr	10.94
362388	10/1/2014 - 1/6/2015	mR/Std Qtr	11.08

Sample Point 4 [INDICATOR - SSE @ 1.1 miles] — TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
289633	1/3/2014 - 4/8/2014	mR/Std Qtr	10.75
297966	4/8/2014 - 7/7/2014	mR/Std Qtr	8.83

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

Sample Point 4 [INDICATOR - SSE @ 1.1 miles] TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
365708	7/7/2014 - 10/1/2014	mR/Std Qtr	8.42
362399	10/1/2014 - 1/6/2015	mR/Std Qtr	11.42

Sample Point 5 [INDICATOR - S @ 1.1 miles] TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
289655	1/3/2014 - 4/8/2014	mR/Std Qtr	10.62
297988	4/8/2014 - 7/7/2014	mR/Std Qtr	7.82
365709	7/7/2014 - 10/1/2014	mR/Std Qtr	9.51
362401	10/1/2014 - 1/6/2015	mR/Std Qtr	10.75

Sample Point 6 [INDICATOR - SSW @ 1.6 miles] TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
289634	1/3/2014 - 4/8/2014	mR/Std Qtr	9.66
297967	4/8/2014 - 7/7/2014	mR/Std Qtr	6.82
365710	7/7/2014 - 10/1/2014	mR/Std Qtr	8.27
362402	10/1/2014 - 1/6/2015	mR/Std Qtr	10.79

Sample Point 7 [INDICATOR - SW @ 1.1 miles] TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
289635	1/3/2014 - 4/8/2014	mR/Std Qtr	11.97
297968	4/8/2014 - 7/7/2014	mR/Std Qtr	9.11
365711	7/7/2014 - 10/1/2014	mR/Std Qtr	8.85
362403	10/1/2014 - 1/6/2015	mR/Std Qtr	10.90

Sample Point 8 [INDICATOR - W @ 1.2 miles] TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
289636	1/3/2014 - 4/8/2014	mR/Std Qtr	13.30
297969	4/8/2014 - 7/7/2014	mR/Std Qtr	8.90
365712	7/7/2014 - 10/1/2014	mR/Std Qtr	8.73
362409	10/1/2014 - 1/6/2015	mR/Std Qtr	10.75

Sample Point 9 [INDICATOR - WNW @ 1 miles] TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
289637	1/3/2014 - 4/8/2014	mR/Std Qtr	11.47
297970	4/8/2014 - 7/7/2014	mR/Std Qtr	7.56
365713	7/7/2014 - 10/1/2014	mR/Std Qtr	8.12

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

Sample Point 9 [INDICATOR - WNW @ 1 miles] — **TLD RING TLD_INNER**

Sample ID:	Sample Dates:	Nuclide	Activity
362415	10/1/2014 - 1/6/2015	mR/Std Qtr	9.93

Sample Point 10 [INDICATOR - NW @ 0.8 miles] — **TLD RING TLD_INNER**

Sample ID:	Sample Dates:	Nuclide	Activity
289638	1/3/2014 - 4/8/2014	mR/Std Qtr	10.46
297971	4/8/2014 - 7/7/2014	mR/Std Qtr	8.27
365714	7/7/2014 - 10/1/2014	mR/Std Qtr	7.36
362368	10/1/2014 - 1/6/2015	mR/Std Qtr	9.99

Sample Point 11 [INDICATOR - NNW @ 0.9 miles] — **TLD RING TLD_INNER**

Sample ID:	Sample Dates:	Nuclide	Activity
289639	1/3/2014 - 4/8/2014	mR/Std Qtr	11.32
297972	4/8/2014 - 7/7/2014	mR/Std Qtr	8.95
365715	7/7/2014 - 10/1/2014	mR/Std Qtr	7.73
362369	10/1/2014 - 1/6/2015	mR/Std Qtr	11.61

Sample Point 12 [INDICATOR - N @ 1.1 miles] — **TLD RING TLD_INNER**

Sample ID:	Sample Dates:	Nuclide	Activity
289656	1/3/2014 - 4/8/2014	mR/Std Qtr	10.84
297989	4/8/2014 - 7/7/2014	mR/Std Qtr	10.13
365716	7/7/2014 - 10/1/2014	mR/Std Qtr	8.30
362370	10/1/2014 - 1/6/2015	mR/Std Qtr	11.67

Sample Point 13 [INDICATOR - NNE @ 1.2 miles] — **TLD RING TLD_INNER**

Sample ID:	Sample Dates:	Nuclide	Activity
289657	1/3/2014 - 4/8/2014	mR/Std Qtr	8.89
297990	4/8/2014 - 7/7/2014	mR/Std Qtr	7.54
365717	7/7/2014 - 10/1/2014	mR/Std Qtr	6.67
362371	10/1/2014 - 1/6/2015	mR/Std Qtr	9.82

Sample Point 14 [INDICATOR - NE @ 0.5 miles] — **TLD RING TLD_INNER**

Sample ID:	Sample Dates:	Nuclide	Activity
289658	1/3/2014 - 4/8/2014	mR/Std Qtr	12.63
297991	4/8/2014 - 7/7/2014	mR/Std Qtr	13.73
365718	7/7/2014 - 10/1/2014	mR/Std Qtr	7.75
362372	10/1/2014 - 1/6/2015	mR/Std Qtr	11.52

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

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

Sample Point 15 [INDICATOR - ENE @ 0.9 miles] — TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
289659	1/3/2014 - 4/8/2014	mR/Std Qtr	12.14
297992	4/8/2014 - 7/7/2014	mR/Std Qtr	10.52
365719	7/7/2014 - 10/1/2014	mR/Std Qtr	7.92
362373	10/1/2014 - 1/6/2015	mR/Std Qtr	12.76

Sample Point 16 [INDICATOR - WSW @ 1 miles] — TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
289690	1/3/2014 - 4/8/2014	mR/Std Qtr	10.92
298024	4/8/2014 - 7/7/2014	mR/Std Qtr	8.37
365720	7/7/2014 - 10/1/2014	mR/Std Qtr	8.28
362374	10/1/2014 - 1/6/2015	mR/Std Qtr	11.81

Sample Point 17 [INDICATOR - ESE @ 1.4 miles] — TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
289691	1/3/2014 - 4/8/2014	mR/Std Qtr	12.60
298025	4/8/2014 - 7/7/2014	mR/Std Qtr	9.32
365721	7/7/2014 - 10/1/2014	mR/Std Qtr	10.76
362375	10/1/2014 - 1/6/2015	mR/Std Qtr	13.23

Sample Point 18 [INDICATOR - SE @ 1.7 miles] — TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
289692	1/3/2014 - 4/8/2014	mR/Std Qtr	11.29
298026	4/8/2014 - 7/7/2014	mR/Std Qtr	8.84
365722	7/7/2014 - 10/1/2014	mR/Std Qtr	8.75
362376	10/1/2014 - 1/6/2015	mR/Std Qtr	11.50

Sample Point 20 [INDICATOR - S @ 2.1 miles] — TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
289693	1/3/2014 - 4/8/2014	mR/Std Qtr	10.41
298027	4/8/2014 - 7/7/2014	mR/Std Qtr	8.48
365723	7/7/2014 - 10/1/2014	mR/Std Qtr	3.97
362378	10/1/2014 - 1/6/2015	mR/Std Qtr	11.42

Sample Point 21 [INDICATOR - SSW @ 2.9 miles] — TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
289660	1/3/2014 - 4/8/2014	mR/Std Qtr	12.96

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

Sample Point 21 [INDICATOR - SSW @ 2.9 miles] — TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
297993	4/8/2014 - 7/7/2014	mR/Std Qtr	12.24
365724	7/7/2014 - 10/1/2014	mR/Std Qtr	12.44
362379	10/1/2014 - 1/6/2015	mR/Std Qtr	13.62

Sample Point 22 [INDICATOR - SW @ 5.3 miles] — TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
289661	1/3/2014 - 4/8/2014	mR/Std Qtr	11.35
297994	4/8/2014 - 7/7/2014	mR/Std Qtr	8.29
365725	7/7/2014 - 10/1/2014	mR/Std Qtr	8.11
362380	10/1/2014 - 1/6/2015	mR/Std Qtr	11.59

Sample Point 23 [INDICATOR - WSW @ 4.6 miles] — TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
289662	1/3/2014 - 4/8/2014	mR/Std Qtr	9.59
297995	4/8/2014 - 7/7/2014	mR/Std Qtr	6.21
365726	7/7/2014 - 10/1/2014	mR/Std Qtr	5.45
362381	10/1/2014 - 1/6/2015	mR/Std Qtr	8.25

Sample Point 24 [INDICATOR - W @ 3 miles] — TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
289663	1/3/2014 - 4/8/2014	mR/Std Qtr	10.82
297996	4/8/2014 - 7/7/2014	mR/Std Qtr	8.26
365727	7/7/2014 - 10/1/2014	mR/Std Qtr	8.53
362382	10/1/2014 - 1/6/2015	mR/Std Qtr	10.79

Sample Point 25 [INDICATOR - WNW @ 8.6 miles] — TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
289664	1/3/2014 - 4/8/2014	mR/Std Qtr	11.74
297997	4/8/2014 - 7/7/2014	mR/Std Qtr	8.81
365728	7/7/2014 - 10/1/2014	mR/Std Qtr	8.74
362383	10/1/2014 - 1/6/2015	mR/Std Qtr	10.71

Sample Point 26 [INDICATOR - NW @ 5.9 miles] — TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
289665	1/3/2014 - 4/8/2014	mR/Std Qtr	13.83
297998	4/8/2014 - 7/7/2014	mR/Std Qtr	10.14

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

Sample Point 26 [INDICATOR - NW @ 5.9 miles] — **TLD RING TLD_OUTER**

Sample ID:	Sample Dates:	Nuclide	Activity
365729	7/7/2014 - 10/1/2014	mR/Std Qtr	12.29
362384	10/1/2014 - 1/6/2015	mR/Std Qtr	13.74

Sample Point 27 [INDICATOR - NNW @ 5.1 miles] — **TLD RING TLD_OUTER**

Sample ID:	Sample Dates:	Nuclide	Activity
289666	1/3/2014 - 4/8/2014	mR/Std Qtr	9.42
297999	4/8/2014 - 7/7/2014	mR/Std Qtr	6.95
365730	7/7/2014 - 10/1/2014	mR/Std Qtr	5.73
362385	10/1/2014 - 1/6/2015	mR/Std Qtr	10.47

Sample Point 28 [INDICATOR - NW @ 4.2 miles] — **TLD RING TLD_OUTER**

Sample ID:	Sample Dates:	Nuclide	Activity
289667	1/3/2014 - 4/8/2014	mR/Std Qtr	10.65
298000	4/8/2014 - 7/7/2014	mR/Std Qtr	8.93
365731	7/7/2014 - 10/1/2014	mR/Std Qtr	7.05
362386	10/1/2014 - 1/6/2015	mR/Std Qtr	11.54

Sample Point 29 [INDICATOR - SSW @ 2.6 miles] — **TLD RING TLD_INNER**

Sample ID:	Sample Dates:	Nuclide	Activity
289668	1/3/2014 - 4/8/2014	mR/Std Qtr	9.31
298001	4/8/2014 - 7/7/2014	mR/Std Qtr	8.82
365732	7/7/2014 - 10/1/2014	mR/Std Qtr	6.17
362387	10/1/2014 - 1/6/2015	mR/Std Qtr	12.43

Sample Point 30 [INDICATOR - NE @ 2 miles] — **TLD RING TLD_INNER**

Sample ID:	Sample Dates:	Nuclide	Activity
289669	1/3/2014 - 4/8/2014	mR/Std Qtr	10.92
298002	4/8/2014 - 7/7/2014	mR/Std Qtr	9.42
365733	7/7/2014 - 10/1/2014	mR/Std Qtr	7.79
362389	10/1/2014 - 1/7/2015	mR/Std Qtr	12.40

Sample Point 31 [INDICATOR - ENE @ 2.5 miles] — **TLD RING TLD_INNER**

Sample ID:	Sample Dates:	Nuclide	Activity
289670	1/3/2014 - 4/8/2014	mR/Std Qtr	13.21
298003	4/8/2014 - 7/7/2014	mR/Std Qtr	10.69
365734	7/7/2014 - 10/1/2014	mR/Std Qtr	9.15

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

Sample Point 31 [INDICATOR - ENE @ 2.5 miles] — **TLD RING TLD_INNER**

Sample ID:	Sample Dates:	Nuclide	Activity
362390	10/1/2014 - 1/7/2015	mR/Std Qtr	13.71

Sample Point 32 [INDICATOR - ENE @ 5.8 miles] — **TLD RING TLD_OUTER**

Sample ID:	Sample Dates:	Nuclide	Activity
289671	1/3/2014 - 4/8/2014	mR/Std Qtr	13.12
298004	4/8/2014 - 7/7/2014	mR/Std Qtr	10.27
365735	7/7/2014 - 10/1/2014	mR/Std Qtr	8.62
362391	10/1/2014 - 1/7/2015	mR/Std Qtr	12.70

Sample Point 33 [INDICATOR - E @ 4.1 miles] — **TLD RING TLD_OUTER**

Sample ID:	Sample Dates:	Nuclide	Activity
289672	1/3/2014 - 4/8/2014	mR/Std Qtr	10.40
298005	4/8/2014 - 7/7/2014	mR/Std Qtr	7.45
365736	7/7/2014 - 10/1/2014	mR/Std Qtr	6.37
362392	10/1/2014 - 1/7/2015	mR/Std Qtr	11.32

Sample Point 34 [INDICATOR - E @ 5.4 miles] — **TLD RING TLD_OUTER**

Sample ID:	Sample Dates:	Nuclide	Activity
289673	1/3/2014 - 4/8/2014	mR/Std Qtr	11.47
298006	4/8/2014 - 7/7/2014	mR/Std Qtr	8.33
365737	7/7/2014 - 10/1/2014	mR/Std Qtr	9.08
362393	10/1/2014 - 1/7/2015	mR/Std Qtr	11.24

Sample Point 35 [INDICATOR - SSE @ 7.3 miles] — **TLD RING TLD_OUTER**

Sample ID:	Sample Dates:	Nuclide	Activity
289674	1/3/2014 - 4/8/2014	mR/Std Qtr	9.24
298007	4/8/2014 - 7/7/2014	mR/Std Qtr	6.77
365738	7/7/2014 - 10/1/2014	mR/Std Qtr	8.63
362394	10/1/2014 - 1/8/2015	mR/Std Qtr	9.38

Sample Point 36 [INDICATOR - NE @ 8.9 miles] — **TLD RING TLD_OUTER**

Sample ID:	Sample Dates:	Nuclide	Activity
289675	1/3/2014 - 4/8/2014	mR/Std Qtr	10.18
298008	4/8/2014 - 7/7/2014	mR/Std Qtr	7.65
365739	7/7/2014 - 10/1/2014	mR/Std Qtr	7.05
362395	10/1/2014 - 1/7/2015	mR/Std Qtr	10.40

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

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

Sample Point 37 [INDICATOR - NW @ 5.5 miles] — TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
289676	1/3/2014 - 4/8/2014	mR/Std Qtr	9.25
298009	4/8/2014 - 7/7/2014	mR/Std Qtr	7.39
365740	7/7/2014 - 10/1/2014	mR/Std Qtr	5.42
362396	10/1/2014 - 1/6/2015	mR/Std Qtr	9.40

Sample Point 38 [INDICATOR - W @ 11 miles] — TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
289677	1/3/2014 - 4/8/2014	mR/Std Qtr	10.64
365741	7/7/2014 - 10/1/2014	mR/Std Qtr	6.66
362397	10/1/2014 - 1/6/2015	mR/Std Qtr	10.35

Sample Point 39 [INDICATOR - SW @ 5.3 miles] — TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
289678	1/3/2014 - 4/8/2014	mR/Std Qtr	16.34
298011	4/8/2014 - 7/7/2014	mR/Std Qtr	10.88
365742	7/7/2014 - 10/1/2014	mR/Std Qtr	9.67
362398	10/1/2014 - 1/6/2015	mR/Std Qtr	14.77

Sample Point 40 [INDICATOR - WSW @ 6.9 miles] — TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
289679	1/3/2014 - 4/8/2014	mR/Std Qtr	14.12
298012	4/8/2014 - 7/7/2014	mR/Std Qtr	10.72
365743	7/7/2014 - 10/1/2014	mR/Std Qtr	10.52
362400	10/1/2014 - 1/6/2015	mR/Std Qtr	14.03

Sample Point 75 [INDICATOR - S @ 4.7 miles] — TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
289680	1/3/2014 - 4/8/2014	mR/Std Qtr	12.57
298013	4/8/2014 - 7/7/2014	mR/Std Qtr	10.45
365744	7/7/2014 - 10/1/2014	mR/Std Qtr	7.81
362404	10/1/2014 - 1/6/2015	mR/Std Qtr	11.84

Sample Point 76 [INDICATOR - SSW @ 4.8 miles] — TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
289681	1/3/2014 - 4/8/2014	mR/Std Qtr	14.36
298014	4/8/2014 - 7/7/2014	mR/Std Qtr	11.03

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

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

Sample Point 76 [INDICATOR - SSW @ 4.8 miles] TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
365745	7/7/2014 - 10/1/2014	mR/Std Qtr	9.54
362405	10/1/2014 - 1/6/2015	mR/Std Qtr	14.31

Sample Point 77 [INDICATOR - S @ 5.4 miles] TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
289682	1/3/2014 - 4/8/2014	mR/Std Qtr	9.66
298015	4/8/2014 - 7/7/2014	mR/Std Qtr	12.40
365746	7/7/2014 - 10/1/2014	mR/Std Qtr	11.11
362406	10/1/2014 - 1/8/2015	mR/Std Qtr	9.31

Sample Point 78 [INDICATOR - NNE @ 9.9 miles] TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
289683	1/3/2014 - 4/8/2014	mR/Std Qtr	10.11
298016	4/8/2014 - 7/7/2014	mR/Std Qtr	9.44
365747	7/7/2014 - 10/1/2014	mR/Std Qtr	7.91
362407	10/1/2014 - 1/6/2015	mR/Std Qtr	10.32

Sample Point 79 [INDICATOR - N @ 9.5 miles] TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
289684	1/3/2014 - 4/8/2014	mR/Std Qtr	10.41
298017	4/8/2014 - 7/7/2014	mR/Std Qtr	8.90
365748	7/7/2014 - 10/1/2014	mR/Std Qtr	7.31
362408	10/1/2014 - 1/6/2015	mR/Std Qtr	10.48

Sample Point 81 [CONTROL - WNW @ 9.9 miles] TLD RING TLD_CTRL

Sample ID:	Sample Dates:	Nuclide	Activity
289685	1/3/2014 - 4/8/2014	mR/Std Qtr	15.33
298018	4/8/2014 - 7/7/2014	mR/Std Qtr	8.45
365750	7/7/2014 - 10/1/2014	mR/Std Qtr	7.33
362410	10/1/2014 - 1/6/2015	mR/Std Qtr	10.95

Sample Point 82 [INDICATOR - NNE @ 0.17 miles] TLD RING NOT_APPLIC

Sample ID:	Sample Dates:	Nuclide	Activity
289686	1/3/2014 - 4/8/2014	mR/Std Qtr	46.97
298019	4/8/2014 - 7/7/2014	mR/Std Qtr	42.95
365751	7/7/2014 - 10/1/2014	mR/Std Qtr	32.99

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

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

Sample Point 82 [INDICATOR - NNE @ 0.17 miles] TLD RING NOT_APPLIC

Sample ID:	Sample Dates:	Nuclide	Activity
362411	10/1/2014 - 1/6/2015	mR/Std Qtr	33.39

Sample Point 83 [INDICATOR - NE @ 0.27 miles] TLD RING NOT_APPLIC

Sample ID:	Sample Dates:	Nuclide	Activity
289687	1/3/2014 - 4/8/2014	mR/Std Qtr	29.28
298020	4/8/2014 - 7/7/2014	mR/Std Qtr	25.79
365752	7/7/2014 - 10/1/2014	mR/Std Qtr	23.36
362412	10/1/2014 - 1/6/2015	mR/Std Qtr	27.63

Sample Point 84 [INDICATOR - NE @ 0.27 miles] TLD RING NOT_APPLIC

Sample ID:	Sample Dates:	Nuclide	Activity
289688	1/3/2014 - 4/8/2014	mR/Std Qtr	24.56
298021	4/8/2014 - 7/7/2014	mR/Std Qtr	18.81
365753	7/7/2014 - 10/1/2014	mR/Std Qtr	16.56
362413	10/1/2014 - 1/6/2015	mR/Std Qtr	18.85

Sample Point 85 [INDICATOR - ENE @ 0.09 miles] TLD RING NOT_APPLIC

Sample ID:	Sample Dates:	Nuclide	Activity
289689	1/3/2014 - 4/8/2014	mR/Std Qtr	59.74
298022	4/8/2014 - 7/7/2014	mR/Std Qtr	54.77
365754	7/7/2014 - 10/1/2014	mR/Std Qtr	41.26
362414	10/1/2014 - 1/6/2015	mR/Std Qtr	38.60

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

Sample Point 800 [INDICATOR - NE @ 0.7 miles]

Sample ID:	Sample Dates:		Nuclide	Activity	Sigma Error [1]	LLD
281301	1/2/2014 - 1/2/2014	WAXMYRTLE	I-131	<2.16E+01	0.00E+00	2.16E+01
			Cs-134	<1.43E+01	0.00E+00	1.43E+01
			Cs-137	<1.26E+01	0.00E+00	1.26E+01
			Be-7	6.77E+02	9.68E+01	1.23E+02
			K-40	1.61E+03	1.60E+02	1.71E+02
284095	2/3/2014 - 2/3/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.52E+01	0.00E+00	3.52E+01
			Cs-134	<2.54E+01	0.00E+00	2.54E+01
			Cs-137	<3.57E+01	0.00E+00	3.57E+01
			Be-7	1.67E+03	1.99E+02	2.56E+02
			K-40	2.24E+03	3.25E+02	4.56E+02
286671	3/2/2014 - 3/2/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<3.54E+01	0.00E+00	3.54E+01
			Cs-134	<2.85E+01	0.00E+00	2.85E+01
			Cs-137	<3.20E+01	0.00E+00	3.20E+01
			Be-7	1.14E+03	1.77E+02	2.20E+02
			K-40	1.56E+03	2.57E+02	3.60E+02
289766	4/1/2014 - 4/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
			I-131	<2.12E+01	0.00E+00	2.12E+01

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

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BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 800 [INDICATOR - NE @ 0.7 miles]

Sample ID:	289766	Sample Dates: 4/1/2014 - 4/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Cs-134	<1.59E+01	0.00E+00	1.59E+01
				Cs-137	<1.91E+01	0.00E+00	1.91E+01
				Be-7	2.28E+03	1.47E+02	1.62E+02
				K-40	1.96E+03	1.87E+02	1.71E+02
Sample ID:	294706	Sample Dates: 5/1/2014 - 5/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<4.73E+01	0.00E+00	4.73E+01
				Cs-134	<2.93E+01	0.00E+00	2.93E+01
				Cs-137	<2.74E+01	0.00E+00	2.74E+01
				Be-7	3.11E+03	2.83E+02	3.07E+02
				K-40	3.20E+03	4.00E+02	3.15E+02
Sample ID:	296352	Sample Dates: 6/2/2014 - 6/2/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<2.74E+01	0.00E+00	2.74E+01
				Cs-134	<1.95E+01	0.00E+00	1.95E+01
				Cs-137	<2.59E+01	0.00E+00	2.59E+01
				Be-7	6.97E+02	1.03E+02	2.28E+02
				K-40	2.32E+03	2.78E+02	2.18E+02
Sample ID:	298108	Sample Dates: 7/1/2014 - 7/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<2.14E+01	0.00E+00	2.14E+01
				Cs-134	<1.07E+01	0.00E+00	1.07E+01
				Cs-137	<1.37E+01	0.00E+00	1.37E+01
				Be-7	8.95E+02	7.60E+01	8.51E+01
				K-40	2.86E+03	1.65E+02	1.39E+02
Sample ID:	352406	Sample Dates: 8/1/2014 - 8/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<1.63E+01	0.00E+00	1.63E+01
				Co-58	<1.68E+01	0.00E+00	1.68E+01
				Fe-59	<3.49E+01	0.00E+00	3.49E+01
				Co-60	<2.36E+01	0.00E+00	2.36E+01
				Zn-65	<3.43E+01	0.00E+00	3.43E+01
				Zr-95	<2.59E+01	0.00E+00	2.59E+01
				Nb-95	<1.94E+01	0.00E+00	1.94E+01
				I-131	<2.57E+01	0.00E+00	2.57E+01
				Cs-134	<1.67E+01	0.00E+00	1.67E+01
				Cs-137	<2.11E+01	0.00E+00	2.11E+01
				BaLa-140	<2.30E+01	0.00E+00	2.30E+01
				Be-7	6.61E+02	1.97E+02	2.36E+02
				K-40	2.00E+03	4.05E+02	2.58E+02
Sample ID:	354860	Sample Dates: 9/2/2014 - 9/2/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<1.14E+01	0.00E+00	1.14E+01
				Co-58	<1.25E+01	0.00E+00	1.25E+01
				Fe-59	<3.98E+01	0.00E+00	3.98E+01
				Co-60	<1.47E+01	0.00E+00	1.47E+01
				Zn-65	<3.30E+01	0.00E+00	3.30E+01
				Zr-95	<2.54E+01	0.00E+00	2.54E+01
				Nb-95	<1.42E+01	0.00E+00	1.42E+01
				I-131	<4.68E+01	0.00E+00	4.68E+01
				Cs-134	<1.63E+01	0.00E+00	1.63E+01
				Cs-137	<1.24E+01	0.00E+00	1.24E+01
				BaLa-140	<2.73E+01	0.00E+00	2.73E+01
				Be-7	1.53E+03	2.38E+02	2.12E+02
				K-40	2.26E+03	3.51E+02	2.44E+02
Sample ID:	358316	Sample Dates: 10/1/2014 - 10/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<3.54E+01	0.00E+00	3.54E+01
				Co-58	<4.19E+01	0.00E+00	4.19E+01
				Fe-59	<6.97E+01	0.00E+00	6.97E+01
				Co-60	<2.22E+01	0.00E+00	2.22E+01
				Zn-65	<7.87E+01	0.00E+00	7.87E+01
				Zr-95	<6.28E+01	0.00E+00	6.28E+01
				Nb-95	<3.80E+01	0.00E+00	3.80E+01
				I-131	<4.77E+01	0.00E+00	4.77E+01
				Cs-134	<4.41E+01	0.00E+00	4.41E+01
				Cs-137	<3.20E+01	0.00E+00	3.20E+01

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

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

Sample Point 800 [INDICATOR - NE @ 0.7 miles]

Sample ID:	358316	Sample Dates: 10/1/2014 - 10/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				BaLa-140	<7.22E+01	0.00E+00	7.22E+01
				Be-7	1.71E+03	4.09E+02	4.33E+02
				K-40	2.85E+03	6.36E+02	8.30E+01
Sample ID:	**361052**	**Sample Dates: 11/3/2014 - 11/3/2014**	**WAXMYRTLE**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
				Mn-54	<1.84E+01	0.00E+00	1.84E+01
				Co-58	<1.72E+01	0.00E+00	1.72E+01
				Fe-59	<3.91E+01	0.00E+00	3.91E+01
				Co-60	<2.02E+01	0.00E+00	2.02E+01
				Zn-65	<4.65E+01	0.00E+00	4.65E+01
				Zr-95	<2.98E+01	0.00E+00	2.98E+01
				Nb-95	<1.92E+01	0.00E+00	1.92E+01
				I-131	<1.82E+01	0.00E+00	1.82E+01
				Cs-134	<1.71E+01	0.00E+00	1.71E+01
				Cs-137	<2.26E+01	0.00E+00	2.26E+01
				BaLa-140	<2.56E+01	0.00E+00	2.56E+01
				Be-7	8.48E+02	2.04E+02	2.00E+02
				K-40	2.01E+03	4.39E+02	3.22E+02
Sample ID:	**363738**	**Sample Dates: 12/1/2014 - 12/1/2014**	**WAXMYRTLE**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
				Mn-54	<9.96E+00	0.00E+00	9.96E+00
				Co-58	<1.04E+01	0.00E+00	1.04E+01
				Fe-59	<2.45E+01	0.00E+00	2.45E+01
				Co-60	<8.80E+00	0.00E+00	8.80E+00
				Zn-65	<2.10E+01	0.00E+00	2.10E+01
				Zr-95	<1.78E+01	0.00E+00	1.78E+01
				Nb-95	<1.36E+01	0.00E+00	1.36E+01
				I-131	<4.79E+01	0.00E+00	4.79E+01
				Cs-134	<1.02E+01	0.00E+00	1.02E+01
				Cs-137	<8.20E+00	0.00E+00	8.20E+00
				BaLa-140	<2.13E+01	0.00E+00	2.13E+01
				Be-7	2.10E+03	3.49E+02	1.07E+02
				K-40	2.23E+03	2.73E+02	1.53E+02

Sample Point 801 [INDICATOR - SW @ 0.8 miles]

Sample ID:	281302	Sample Dates: 1/2/2014 - 1/2/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<2.80E+01	0.00E+00	2.80E+01
				Cs-134	<2.13E+01	0.00E+00	2.13E+01
				Cs-137	<4.45E+00	0.00E+00	4.45E+00
				Be-7	9.02E+02	1.50E+02	1.77E+02
				K-40	1.27E+03	1.88E+02	2.10E+02
Sample ID:	**284096**	**Sample Dates: 2/3/2014 - 2/3/2014**	**WAXMYRTLE**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
				I-131	<2.78E+01	0.00E+00	2.78E+01
				Cs-134	<2.34E+01	0.00E+00	2.34E+01
				Cs-137	<2.61E+01	0.00E+00	2.61E+01
				Be-7	7.99E+02	1.57E+02	2.09E+02
				K-40	1.84E+03	2.66E+02	4.05E+02
Sample ID:	**286672**	**Sample Dates: 3/2/2014 - 3/2/2014**	**WAXMYRTLE**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
				I-131	<2.28E+01	0.00E+00	2.28E+01
				Cs-134	<2.83E+01	0.00E+00	2.83E+01
				Cs-137	<2.72E+01	0.00E+00	2.72E+01
				Be-7	8.21E+02	1.52E+02	1.95E+02
				K-40	1.61E+03	2.84E+02	4.43E+02
Sample ID:	**289767**	**Sample Dates: 4/1/2014 - 4/1/2014**	**WAXMYRTLE**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
				I-131	<2.30E+01	0.00E+00	2.30E+01
				Cs-134	<1.73E+01	0.00E+00	1.73E+01
				Cs-137	<2.14E+01	0.00E+00	2.14E+01
				Be-7	1.97E+03	1.75E+02	1.53E+02
				K-40	1.95E+03	2.01E+02	2.18E+02
Sample ID:	**294707**	**Sample Dates: 5/1/2014 - 5/1/2014**	**WAXMYRTLE**	**Nuclide**	**Activity**	**Sigma Error [1]**	**LLD**
				I-131	<2.22E+01	0.00E+00	2.22E+01
				Cs-134	<1.22E+01	0.00E+00	1.22E+01

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 801 [INDICATOR - SW @ 0.8 miles]

Sample ID:	294707	Sample Dates: 5/1/2014 - 5/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Cs-137	<1.84E+01	0.00E+00	1.84E+01
				Be-7	1.03E+03	1.09E+02	1.47E+02
				K-40	2.36E+03	2.03E+02	2.04E+02
Sample ID:	296353	Sample Dates: 6/2/2014 - 6/2/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<2.00E+01	0.00E+00	2.00E+01
				Cs-134	<2.40E+01	0.00E+00	2.40E+01
				Cs-137	<3.26E+01	0.00E+00	3.26E+01
				Be-7	9.66E+02	1.34E+02	1.74E+02
				K-40	2.45E+03	2.81E+02	3.34E+02
Sample ID:	298109	Sample Dates: 7/1/2014 - 7/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<2.81E+01	0.00E+00	2.81E+01
				Cs-134	<1.52E+01	0.00E+00	1.52E+01
				Cs-137	<2.38E+01	0.00E+00	2.38E+01
				Be-7	8.04E+02	1.03E+02	1.22E+02
				K-40	2.94E+03	2.40E+02	1.88E+02
Sample ID:	352407	Sample Dates: 8/1/2014 - 8/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<1.51E+01	0.00E+00	1.51E+01
				Co-58	<1.47E+01	0.00E+00	1.47E+01
				Fe-59	<3.94E+01	0.00E+00	3.94E+01
				Co-60	<1.72E+01	0.00E+00	1.72E+01
				Zn-65	<2.76E+01	0.00E+00	2.76E+01
				Zr-95	<2.43E+01	0.00E+00	2.43E+01
				Nb-95	<1.89E+01	0.00E+00	1.89E+01
				I-131	<2.34E+01	0.00E+00	2.34E+01
				Cs-134	<1.47E+01	0.00E+00	1.47E+01
				Cs-137	<1.95E+01	0.00E+00	1.95E+01
				BaLa-140	<2.34E+01	0.00E+00	2.34E+01
				Be-7	5.73E+02	1.61E+02	1.80E+02
				K-40	1.81E+03	3.56E+02	1.89E+02
Sample ID:	354861	Sample Dates: 9/2/2014 - 9/2/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<2.47E+01	0.00E+00	2.47E+01
				Co-58	<2.46E+01	0.00E+00	2.46E+01
				Fe-59	<5.37E+01	0.00E+00	5.37E+01
				Co-60	<3.88E+01	0.00E+00	3.88E+01
				Zn-65	<5.40E+01	0.00E+00	5.40E+01
				Zr-95	<4.60E+01	0.00E+00	4.60E+01
				Nb-95	<2.17E+01	0.00E+00	2.17E+01
				I-131	<2.50E+01	0.00E+00	2.50E+01
				Cs-134	<3.29E+01	0.00E+00	3.29E+01
				Cs-137	<2.68E+01	0.00E+00	2.68E+01
				BaLa-140	<2.56E+01	0.00E+00	2.56E+01
				Be-7	6.92E+02	2.41E+02	3.10E+02
				K-40	2.18E+03	5.14E+02	4.28E+02
Sample ID:	358317	Sample Dates: 10/1/2014 - 10/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<8.35E+00	0.00E+00	8.35E+00
				Co-58	<9.71E+00	0.00E+00	9.71E+00
				Fe-59	<2.17E+01	0.00E+00	2.17E+01
				Co-60	<8.48E+00	0.00E+00	8.48E+00
				Zn-65	<1.72E+01	0.00E+00	1.72E+01
				Zr-95	<1.77E+01	0.00E+00	1.77E+01
				Nb-95	<1.13E+01	0.00E+00	1.13E+01
				I-131	<4.76E+01	0.00E+00	4.76E+01
				Cs-134	<9.76E+00	0.00E+00	9.76E+00
				Cs-137	<7.20E+00	0.00E+00	7.20E+00
				BaLa-140	<2.79E+01	0.00E+00	2.79E+01
				Be-7	1.57E+03	1.80E+02	1.36E+02
				K-40	2.62E+03	2.80E+02	1.44E+02
Sample ID:	361053	Sample Dates: 11/3/2014 - 11/3/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<7.35E+00	0.00E+00	7.35E+00
				Co-58	<8.53E+00	0.00E+00	8.53E+00
				Fe-59	<1.67E+01	0.00E+00	1.67E+01

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

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

Sample Point 801 [INDICATOR - SW @ 0.8 miles]

Sample ID:	361053	Sample Dates: 11/3/2014 - 11/3/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Co-60	<9.27E+00	0.00E+00	9.27E+00
				Zn-65	<1.93E+01	0.00E+00	1.93E+01
				Zr-95	<1.27E+01	0.00E+00	1.27E+01
				Nb-95	<8.96E+00	0.00E+00	8.96E+00
				I-131	<8.06E+00	0.00E+00	8.06E+00
				Cs-134	<9.90E+00	0.00E+00	9.90E+00
				Cs-137	<6.36E+00	0.00E+00	6.36E+00
				BaLa-140	<1.08E+01	0.00E+00	1.08E+01
				Be-7	9.75E+02	1.35E+02	1.02E+02
				K-40	2.00E+03	2.53E+02	1.05E+02
Sample ID:	363739	Sample Dates: 12/1/2014 - 12/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<9.14E+00	0.00E+00	9.14E+00
				Co-58	<8.30E+00	0.00E+00	8.30E+00
				Fe-59	<2.33E+01	0.00E+00	2.33E+01
				Co-60	<1.07E+01	0.00E+00	1.07E+01
				Zn-65	<2.09E+01	0.00E+00	2.09E+01
				Zr-95	<1.76E+01	0.00E+00	1.76E+01
				Nb-95	<1.26E+01	0.00E+00	1.26E+01
				I-131	<4.80E+01	0.00E+00	4.80E+01
				Cs-134	<9.67E+00	0.00E+00	9.67E+00
				Cs-137	<1.01E+01	0.00E+00	1.01E+01
				BaLa-140	<2.58E+01	0.00E+00	2.58E+01
				Be-7	1.43E+03	1.82E+02	1.56E+02
				K-40	1.91E+03	2.36E+02	1.51E+02

Sample Point 802 [CONTROL - -- @ 10.1 miles]

Sample ID:	281303	Sample Dates: 1/2/2014 - 1/2/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<4.21E+01	0.00E+00	4.21E+01
				Cs-134	<2.34E+01	0.00E+00	2.34E+01
				Cs-137	<3.24E+01	0.00E+00	3.24E+01
				Be-7	1.38E+03	1.57E+02	2.22E+02
				K-40	1.14E+03	2.54E+02	3.45E+02
Sample ID:	284097	Sample Dates: 2/3/2014 - 2/3/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<4.56E+01	0.00E+00	4.56E+01
				Cs-134	<3.45E+01	0.00E+00	3.45E+01
				Cs-137	<3.40E+01	0.00E+00	3.40E+01
				Be-7	2.36E+03	2.50E+02	3.04E+02
				K-40	1.78E+03	3.37E+02	3.54E+02
Sample ID:	286673	Sample Dates: 3/2/2014 - 3/2/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<3.67E+01	0.00E+00	3.67E+01
				Cs-134	<2.58E+01	0.00E+00	2.58E+01
				Cs-137	<2.61E+01	0.00E+00	2.61E+01
				Be-7	3.26E+03	2.14E+02	1.38E+02
				K-40	1.79E+03	2.41E+02	3.06E+02
Sample ID:	289768	Sample Dates: 4/1/2014 - 4/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<2.82E+01	0.00E+00	2.82E+01
				Cs-134	<2.28E+01	0.00E+00	2.28E+01
				Cs-137	<3.25E+01	0.00E+00	3.25E+01
				Be-7	3.13E+03	2.75E+02	2.45E+02
				K-40	1.76E+03	2.53E+02	3.82E+02
Sample ID:	294708	Sample Dates: 5/1/2014 - 5/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<2.37E+01	0.00E+00	2.37E+01
				Cs-134	<3.00E+01	0.00E+00	3.00E+01
				Cs-137	<3.96E+01	0.00E+00	3.96E+01
				Be-7	1.43E+03	1.62E+02	1.98E+02
				K-40	2.64E+03	3.28E+02	2.64E+02
Sample ID:	296354	Sample Dates: 6/2/2014 - 6/2/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<3.39E+01	0.00E+00	3.39E+01
				Cs-134	<1.72E+01	0.00E+00	1.72E+01
				Cs-137	<2.14E+01	0.00E+00	2.14E+01

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

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

Sample Point 802 [CONTROL - -- @ 10.1 miles]

Sample ID:	296354	Sample Dates: 6/2/2014 - 6/2/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Be-7	6.62E+02	9.40E+01	1.22E+02
				K-40	2.47E+03	1.98E+02	1.99E+02
Sample ID:	298110	Sample Dates: 7/1/2014 - 7/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<3.84E+01	0.00E+00	3.84E+01
				Cs-134	<2.98E+01	0.00E+00	2.98E+01
				Cs-137	<4.10E+01	0.00E+00	4.10E+01
				Be-7	5.11E+02	1.98E+02	3.02E+02
				K-40	2.34E+03	2.94E+02	2.70E+02
Sample ID:	352408	Sample Dates: 8/1/2014 - 8/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<2.57E+01	0.00E+00	2.57E+01
				Co-58	<3.29E+01	0.00E+00	3.29E+01
				Fe-59	<6.26E+01	0.00E+00	6.26E+01
				Co-60	<2.96E+01	0.00E+00	2.96E+01
				Zn-65	<5.96E+01	0.00E+00	5.96E+01
				Zr-95	<6.88E+01	0.00E+00	6.88E+01
				Nb-95	<3.49E+01	0.00E+00	3.49E+01
				I-131	<2.87E+01	0.00E+00	2.87E+01
				Cs-134	<3.39E+01	0.00E+00	3.39E+01
				Cs-137	<3.21E+01	0.00E+00	3.21E+01
				BaLa-140	<3.95E+01	0.00E+00	3.95E+01
				Be-7	1.32E+03	3.64E+02	4.01E+02
				K-40	2.17E+03	5.79E+02	3.37E+02
Sample ID:	354862	Sample Dates: 9/2/2014 - 9/2/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<4.73E+01	0.00E+00	4.73E+01
				Co-58	<3.16E+01	0.00E+00	3.16E+01
				Fe-59	<5.21E+01	0.00E+00	5.21E+01
				Co-60	<3.92E+01	0.00E+00	3.92E+01
				Zn-65	<8.82E+01	0.00E+00	8.82E+01
				Zr-95	<7.55E+01	0.00E+00	7.55E+01
				Nb-95	<3.70E+01	0.00E+00	3.70E+01
				I-131	<2.65E+01	0.00E+00	2.65E+01
				Cs-134	<3.83E+01	0.00E+00	3.83E+01
				Cs-137	<2.78E+01	0.00E+00	2.78E+01
				BaLa-140	<3.67E+01	0.00E+00	3.67E+01
				Be-7	2.14E+03	4.45E+02	3.72E+02
				K-40	1.91E+03	6.76E+02	7.38E+02
Sample ID:	358318	Sample Dates: 10/1/2014 - 10/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<2.55E+01	0.00E+00	2.55E+01
				Co-58	<2.82E+01	0.00E+00	2.82E+01
				Fe-59	<5.64E+01	0.00E+00	5.64E+01
				Co-60	<2.67E+01	0.00E+00	2.67E+01
				Zn-65	<6.23E+01	0.00E+00	6.23E+01
				Zr-95	<3.99E+01	0.00E+00	3.99E+01
				Nb-95	<2.54E+01	0.00E+00	2.54E+01
				I-131	<3.20E+01	0.00E+00	3.20E+01
				Cs-134	<2.36E+01	0.00E+00	2.36E+01
				Cs-137	2.29E+01	1.87E+01	2.81E+01
				BaLa-140	<2.50E+01	0.00E+00	2.50E+01
				Be-7	1.15E+03	2.83E+02	3.00E+02
				K-40	2.45E+03	5.04E+02	2.44E+02
Sample ID:	361054	Sample Dates: 11/3/2014 - 11/3/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<1.56E+01	0.00E+00	1.56E+01
				Co-58	<1.67E+01	0.00E+00	1.67E+01
				Fe-59	<3.52E+01	0.00E+00	3.52E+01
				Co-60	<1.28E+01	0.00E+00	1.28E+01
				Zn-65	<2.22E+01	0.00E+00	2.22E+01
				Zr-95	<3.07E+01	0.00E+00	3.07E+01
				Nb-95	<1.80E+01	0.00E+00	1.80E+01
				I-131	<1.55E+01	0.00E+00	1.55E+01
				Cs-134	<2.33E+01	0.00E+00	2.33E+01
				Cs-137	<2.47E+01	0.00E+00	2.47E+01
				BaLa-140	<1.63E+01	0.00E+00	1.63E+01

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

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BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 802 [CONTROL - -- @ 10.1 miles]

Sample ID:	361054	Sample Dates: 11/3/2014 - 11/3/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Be-7	1.88E+03	3.03E+02	1.68E+02
				K-40	1.78E+03	3.87E+02	1.74E+02
Sample ID:	363740	Sample Dates: 12/1/2014 - 12/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<1.77E+01	0.00E+00	1.77E+01
				Co-58	<2.85E+01	0.00E+00	2.85E+01
				Fe-59	<4.85E+01	0.00E+00	4.85E+01
				Co-60	<2.56E+01	0.00E+00	2.56E+01
				Zn-65	<4.80E+01	0.00E+00	4.80E+01
				Zr-95	<3.94E+01	0.00E+00	3.94E+01
				Nb-95	<2.83E+01	0.00E+00	2.83E+01
				I-131	<3.43E+01	0.00E+00	3.43E+01
				Cs-134	<2.44E+01	0.00E+00	2.44E+01
				Cs-137	<3.13E+01	0.00E+00	3.13E+01
				BaLa-140	<4.46E+01	0.00E+00	4.46E+01
				Be-7	2.28E+03	4.07E+02	3.93E+02
				K-40	2.05E+03	4.51E+02	3.15E+02

Sample Point 803 [INDICATOR - SSE @ 0.6 miles]

Sample ID:	281304	Sample Dates: 1/2/2014 - 1/2/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<2.51E+01	0.00E+00	2.51E+01
				Cs-134	<1.14E+01	0.00E+00	1.14E+01
				Cs-137	<1.64E+01	0.00E+00	1.64E+01
				Be-7	1.33E+03	1.09E+02	1.26E+02
				K-40	2.04E+03	1.74E+02	9.76E+01
Sample ID:	284098	Sample Dates: 2/3/2014 - 2/3/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<3.78E+01	0.00E+00	3.78E+01
				Cs-134	<2.41E+01	0.00E+00	2.41E+01
				Cs-137	<3.15E+01	0.00E+00	3.15E+01
				Be-7	1.34E+03	1.43E+02	2.20E+02
				K-40	1.68E+03	2.29E+02	2.24E+02
Sample ID:	286674	Sample Dates: 3/2/2014 - 3/2/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<2.70E+01	0.00E+00	2.70E+01
				Cs-134	<1.92E+01	0.00E+00	1.92E+01
				Cs-137	<1.94E+01	0.00E+00	1.94E+01
				Be-7	1.57E+03	1.47E+02	1.45E+02
				K-40	2.62E+03	2.13E+02	1.25E+02
Sample ID:	289769	Sample Dates: 4/1/2014 - 4/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<3.84E+01	0.00E+00	3.84E+01
				Cs-134	<2.91E+01	0.00E+00	2.91E+01
				Cs-137	<2.53E+01	0.00E+00	2.53E+01
				Be-7	2.84E+03	2.24E+02	3.20E+02
				K-40	2.48E+03	3.18E+02	3.87E+02
Sample ID:	294709	Sample Dates: 5/1/2014 - 5/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<3.14E+01	0.00E+00	3.14E+01
				Cs-134	<3.44E+01	0.00E+00	3.44E+01
				Cs-137	<2.28E+01	0.00E+00	2.28E+01
				Be-7	1.04E+03	1.94E+02	2.78E+02
				K-40	3.49E+03	4.12E+02	3.63E+02
Sample ID:	296355	Sample Dates: 6/2/2014 - 6/2/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<4.46E+01	0.00E+00	4.46E+01
				Cs-134	<4.16E+01	0.00E+00	4.16E+01
				Cs-137	<3.42E+01	0.00E+00	3.42E+01
				Be-7	3.12E+02	1.59E+02	2.90E+02
				K-40	3.16E+03	3.46E+02	4.28E+02
Sample ID:	298111	Sample Dates: 7/1/2014 - 7/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<3.96E+01	0.00E+00	3.96E+01
				Cs-134	<2.30E+01	0.00E+00	2.30E+01
				Cs-137	<2.99E+01	0.00E+00	2.99E+01
				Be-7	9.95E+02	1.30E+02	1.61E+02

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 803 [INDICATOR - SSE @ 0.6 miles]

Sample ID:	298111	Sample Dates: 7/1/2014 - 7/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				K-40	1.71E+03	2.69E+02	3.28E+02
Sample ID:	352410	Sample Dates: 8/1/2014 - 8/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<1.81E+01	0.00E+00	1.81E+01
				Co-58	<1.74E+01	0.00E+00	1.74E+01
				Fe-59	<3.26E+01	0.00E+00	3.26E+01
				Co-60	<1.97E+01	0.00E+00	1.97E+01
				Zn-65	<3.65E+01	0.00E+00	3.65E+01
				Zr-95	<4.02E+01	0.00E+00	4.02E+01
				Nb-95	<1.62E+01	0.00E+00	1.62E+01
				I-131	<2.06E+01	0.00E+00	2.06E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.50E+01	0.00E+00	1.50E+01
				BaLa-140	<2.85E+01	0.00E+00	2.85E+01
				Be-7	8.83E+02	1.98E+02	2.02E+02
				K-40	1.72E+03	3.63E+02	2.69E+02
Sample ID:	354863	Sample Dates: 9/2/2014 - 9/2/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<1.72E+01	0.00E+00	1.72E+01
				Co-58	<2.13E+01	0.00E+00	2.13E+01
				Fe-59	<4.75E+01	0.00E+00	4.75E+01
				Co-60	<2.14E+01	0.00E+00	2.14E+01
				Zn-65	<4.58E+01	0.00E+00	4.58E+01
				Zr-95	<3.69E+01	0.00E+00	3.69E+01
				Nb-95	<2.29E+01	0.00E+00	2.29E+01
				I-131	<2.06E+01	0.00E+00	2.06E+01
				Cs-134	<2.02E+01	0.00E+00	2.02E+01
				Cs-137	<1.58E+01	0.00E+00	1.58E+01
				BaLa-140	<1.89E+01	0.00E+00	1.89E+01
				Be-7	1.71E+03	2.84E+02	2.18E+02
				K-40	2.20E+03	4.34E+02	2.78E+02
Sample ID:	358319	Sample Dates: 10/1/2014 - 10/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<9.29E+00	0.00E+00	9.29E+00
				Co-58	<1.04E+01	0.00E+00	1.04E+01
				Fe-59	<1.99E+01	0.00E+00	1.99E+01
				Co-60	<1.06E+01	0.00E+00	1.06E+01
				Zn-65	<1.89E+01	0.00E+00	1.89E+01
				Zr-95	<1.74E+01	0.00E+00	1.74E+01
				Nb-95	<1.24E+01	0.00E+00	1.24E+01
				I-131	<1.66E+01	0.00E+00	1.66E+01
				Cs-134	<1.20E+01	0.00E+00	1.20E+01
				Cs-137	<8.10E+00	0.00E+00	8.10E+00
				BaLa-140	<1.03E+01	0.00E+00	1.03E+01
				Be-7	1.90E+03	2.17E+02	1.26E+02
				K-40	2.31E+03	2.94E+02	1.69E+02
Sample ID:	361055	Sample Dates: 11/3/2014 - 11/3/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<2.61E+01	0.00E+00	2.61E+01
				Co-58	<2.22E+01	0.00E+00	2.22E+01
				Fe-59	<5.90E+01	0.00E+00	5.90E+01
				Co-60	<2.88E+01	0.00E+00	2.88E+01
				Zn-65	<4.58E+01	0.00E+00	4.58E+01
				Zr-95	<5.75E+01	0.00E+00	5.75E+01
				Nb-95	<2.68E+01	0.00E+00	2.68E+01
				I-131	<2.41E+01	0.00E+00	2.41E+01
				Cs-134	<3.38E+01	0.00E+00	3.38E+01
				Cs-137	<2.72E+01	0.00E+00	2.72E+01
				BaLa-140	<2.62E+01	0.00E+00	2.62E+01
				Be-7	1.68E+03	3.44E+02	3.33E+02
				K-40	2.07E+03	5.24E+02	4.65E+02
Sample ID:	363741	Sample Dates: 12/1/2014 - 12/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<2.35E+01	0.00E+00	2.35E+01
				Co-58	<2.15E+01	0.00E+00	2.15E+01
				Fe-59	<5.28E+01	0.00E+00	5.28E+01
				Co-60	<2.54E+01	0.00E+00	2.54E+01

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

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

Sample Point 803 [INDICATOR - SSE @ 0.6 miles]

Sample ID:	363741	Sample Dates: 12/1/2014 - 12/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Zn-65	<4.17E+01	0.00E+00	4.17E+01
				Zr-95	<3.92E+01	0.00E+00	3.92E+01
				Nb-95	<2.80E+01	0.00E+00	2.80E+01
				I-131	<3.22E+01	0.00E+00	3.22E+01
				Cs-134	<2.62E+01	0.00E+00	2.62E+01
				Cs-137	<2.69E+01	0.00E+00	2.69E+01
				BaLa-140	<8.45E+00	0.00E+00	8.45E+00
				Be-7	1.24E+03	3.07E+02	3.57E+02
				K-40	2.19E+03	4.79E+02	3.73E+02

Sample Point 804 [INDICATOR - S @ 0.7 miles]

Sample ID:	281305	Sample Dates: 1/2/2014 - 1/2/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<2.42E+01	0.00E+00	2.42E+01
				Cs-134	<2.26E+01	0.00E+00	2.26E+01
				Cs-137	<2.34E+01	0.00E+00	2.34E+01
				Be-7	1.03E+03	1.68E+02	2.17E+02
				K-40	1.38E+03	2.19E+02	2.68E+02
Sample ID:	284099	Sample Dates: 2/3/2014 - 2/3/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<5.17E+01	0.00E+00	5.17E+01
				Cs-134	<2.70E+01	0.00E+00	2.70E+01
				Cs-137	<4.37E+01	0.00E+00	4.37E+01
				Be-7	6.88E+02	2.35E+02	3.75E+02
				K-40	2.28E+03	3.08E+02	4.84E+02
Sample ID:	286675	Sample Dates: 3/2/2014 - 3/2/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<3.24E+01	0.00E+00	3.24E+01
				Cs-134	<2.71E+01	0.00E+00	2.71E+01
				Cs-137	<3.61E+01	0.00E+00	3.61E+01
				Be-7	1.49E+03	2.27E+02	3.13E+02
				K-40	1.79E+03	2.70E+02	3.84E+02
Sample ID:	289770	Sample Dates: 4/1/2014 - 4/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<2.84E+01	0.00E+00	2.84E+01
				Cs-134	<1.95E+01	0.00E+00	1.95E+01
				Cs-137	<3.75E+01	0.00E+00	3.75E+01
				Be-7	3.18E+03	2.19E+02	1.90E+02
				K-40	1.78E+03	2.42E+02	2.96E+02
Sample ID:	294710	Sample Dates: 5/1/2014 - 5/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<2.55E+01	0.00E+00	2.55E+01
				Cs-134	<1.64E+01	0.00E+00	1.64E+01
				Cs-137	<2.22E+01	0.00E+00	2.22E+01
				Be-7	6.65E+02	9.62E+01	1.66E+02
				K-40	2.26E+03	2.82E+02	3.45E+02
Sample ID:	296356	Sample Dates: 6/2/2014 - 6/2/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<3.44E+01	0.00E+00	3.44E+01
				Cs-134	<2.07E+01	0.00E+00	2.07E+01
				Cs-137	<2.09E+01	0.00E+00	2.09E+01
				Be-7	6.14E+02	8.96E+01	1.55E+02
				K-40	2.78E+03	2.21E+02	1.60E+02
Sample ID:	298112	Sample Dates: 7/1/2014 - 7/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				I-131	<4.09E+01	0.00E+00	4.09E+01
				Cs-134	<2.81E+01	0.00E+00	2.81E+01
				Cs-137	<2.82E+01	0.00E+00	2.82E+01
				Be-7	5.76E+02	1.55E+02	1.83E+02
				K-40	1.74E+03	2.36E+02	8.68E+01
Sample ID:	352409	Sample Dates: 8/1/2014 - 8/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<1.81E+01	0.00E+00	1.81E+01
				Co-58	<1.79E+01	0.00E+00	1.79E+01
				Fe-59	<3.88E+01	0.00E+00	3.88E+01
				Co-60	<1.25E+01	0.00E+00	1.25E+01
				Zn-65	<3.54E+01	0.00E+00	3.54E+01
				Zr-95	<1.99E+01	0.00E+00	1.99E+01

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

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 804 [INDICATOR - S @ 0.7 miles]

Sample ID:	352409	Sample Dates: 8/1/2014 - 8/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Nb-95	<1.99E+01	0.00E+00	1.99E+01
				I-131	<1.93E+01	0.00E+00	1.93E+01
				Cs-134	<1.63E+01	0.00E+00	1.63E+01
				Cs-137	<1.68E+01	0.00E+00	1.68E+01
				BaLa-140	<2.66E+01	0.00E+00	2.66E+01
				Be-7	9.52E+02	2.18E+02	2.35E+02
				K-40	1.70E+03	3.84E+02	3.50E+02
Sample ID:	354864	Sample Dates: 9/2/2014 - 9/2/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<2.16E+01	0.00E+00	2.16E+01
				Co-58	<2.23E+01	0.00E+00	2.23E+01
				Fe-59	<4.75E+01	0.00E+00	4.75E+01
				Co-60	<2.79E+01	0.00E+00	2.79E+01
				Zn-65	<4.38E+01	0.00E+00	4.38E+01
				Zr-95	<3.46E+01	0.00E+00	3.46E+01
				Nb-95	<1.77E+01	0.00E+00	1.77E+01
				I-131	<1.84E+01	0.00E+00	1.84E+01
				Cs-134	<2.15E+01	0.00E+00	2.15E+01
				Cs-137	<2.02E+01	0.00E+00	2.02E+01
				BaLa-140	<2.95E+01	0.00E+00	2.95E+01
				Be-7	9.11E+02	2.26E+02	2.44E+02
				K-40	2.48E+03	5.07E+02	4.07E+02
Sample ID:	358320	Sample Dates: 10/1/2014 - 10/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<2.02E+01	0.00E+00	2.02E+01
				Co-58	<1.91E+01	0.00E+00	1.91E+01
				Fe-59	<4.24E+01	0.00E+00	4.24E+01
				Co-60	<1.18E+01	0.00E+00	1.18E+01
				Zn-65	<3.99E+01	0.00E+00	3.99E+01
				Zr-95	<2.81E+01	0.00E+00	2.81E+01
				Nb-95	<2.25E+01	0.00E+00	2.25E+01
				I-131	<2.54E+01	0.00E+00	2.54E+01
				Cs-134	<2.16E+01	0.00E+00	2.16E+01
				Cs-137	<1.94E+01	0.00E+00	1.94E+01
				BaLa-140	<3.20E+01	0.00E+00	3.20E+01
				Be-7	8.62E+02	2.05E+02	1.95E+02
				K-40	2.28E+03	4.28E+02	4.35E+01
Sample ID:	361056	Sample Dates: 11/3/2014 - 11/3/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<2.05E+01	0.00E+00	2.05E+01
				Co-58	<2.15E+01	0.00E+00	2.15E+01
				Fe-59	<5.57E+01	0.00E+00	5.57E+01
				Co-60	<2.60E+01	0.00E+00	2.60E+01
				Zn-65	<6.51E+01	0.00E+00	6.51E+01
				Zr-95	<3.71E+01	0.00E+00	3.71E+01
				Nb-95	<2.27E+01	0.00E+00	2.27E+01
				I-131	<1.95E+01	0.00E+00	1.95E+01
				Cs-134	<2.56E+01	0.00E+00	2.56E+01
				Cs-137	<2.58E+01	0.00E+00	2.58E+01
				BaLa-140	<1.86E+01	0.00E+00	1.86E+01
				Be-7	6.77E+02	2.22E+02	2.72E+02
				K-40	1.73E+03	4.86E+02	5.09E+02
Sample ID:	363742	Sample Dates: 12/1/2014 - 12/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				Mn-54	<2.87E+01	0.00E+00	2.87E+01
				Co-58	<1.87E+01	0.00E+00	1.87E+01
				Fe-59	<4.08E+01	0.00E+00	4.08E+01
				Co-60	<2.42E+01	0.00E+00	2.42E+01
				Zn-65	<4.89E+01	0.00E+00	4.89E+01
				Zr-95	<4.34E+01	0.00E+00	4.34E+01
				Nb-95	<2.72E+01	0.00E+00	2.72E+01
				I-131	<3.34E+01	0.00E+00	3.34E+01
				Cs-134	<2.87E+01	0.00E+00	2.87E+01
				Cs-137	<2.89E+01	0.00E+00	2.89E+01
				BaLa-140	<2.38E+01	0.00E+00	2.38E+01
				Be-7	8.76E+02	2.54E+02	3.04E+02

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

EnRad Laboratories
13339 Hagers Ferry Road
Huntersville, North Carolina 28078

BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2014 (Appendix E)

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

Sample Point 804 [INDICATOR - S @ 0.7 miles]

Sample ID:	363742	Sample Dates: 12/1/2014 - 12/1/2014	WAXMYRTLE	Nuclide	Activity	Sigma Error [1]	LLD
				K-40	1.89E+03	4.44E+02	3.51E+02

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

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Huntersville, North Carolina 28078

APPENDIX F

ERRATA TO PREVIOUS REPORTS

There are no Errata to previous BSEP reports included in the BSEP 2014 Radiological Environmental Operating Report.