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MAY 11 2016

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U.S. Nuclear Regulatory Commission  
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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  
Annual Radiological Environmental Operating Report for 2015

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 2015.

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,

A handwritten signature in black ink, appearing to read 'Annette H. Pope'.

Annette H. Pope  
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MAT/mat

Enclosure: Annual Radiological Environmental Operating Report for 2015

IE25  
NRR

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# **Annual Radiological Environmental Operating Report for 2015**



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# **ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT**

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**DUKE ENERGY PROGRESS, LLC  
BRUNSWICK STEAM ELECTRIC PLANT**

**2015**





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## 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 <sup>3</sup>	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

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# 1.0 EXECUTIVE SUMMARY

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The Brunswick Steam Electric Plant (BSEP), Unit Nos. 1 and 2, is operated by Duke Energy Progress, LLC 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, 2015, through December 31, 2015.

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, other than that stated in Appendix D - Analytical Deviations (NCR # 02021801 and NCR # 02022587). One thousand eight hundred and eleven samples were analyzed comprising 2,054 test results in order to compile data for the 2015 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 2015 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.

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## 2.0 INTRODUCTION

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### 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, LLC 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 42 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):

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

Where:

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

i = individual sample,

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

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

### **2.3.2 LOWER LIMIT OF DETECTION AND MINIMUM DETECTABLE ACTIVITY**

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

**LLD** - The LLD, as defined in the 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. Certain gross counting measurements display a calculated negative value, indicating background is greater than sample activity.

### **2.3.3 TREND IDENTIFICATION**

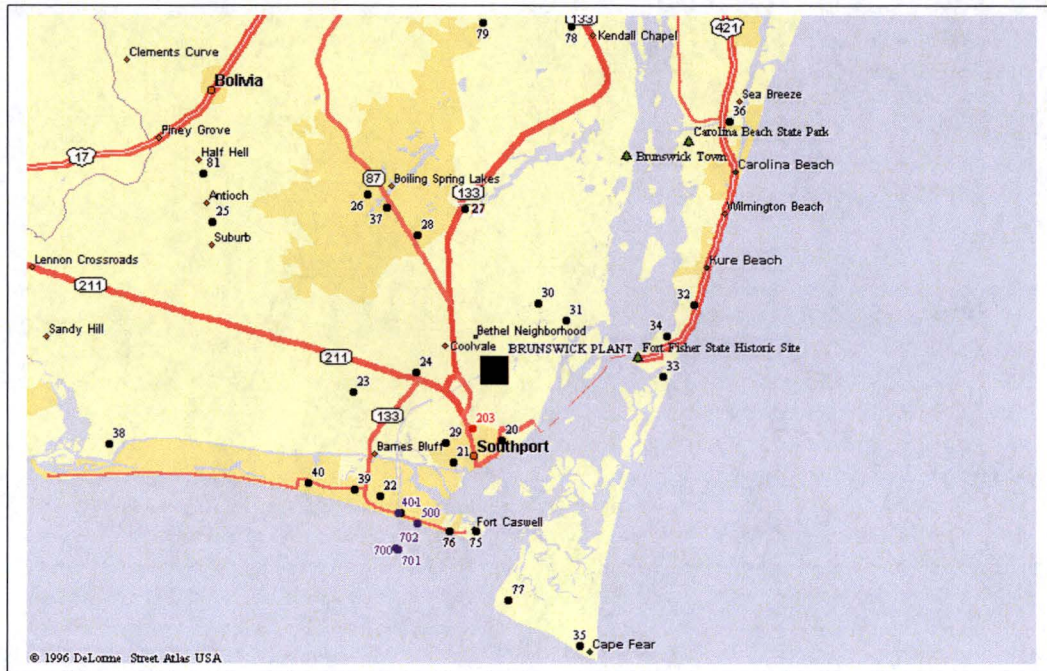
One of the purposes of an environmental monitoring program is to determine if there is a buildup of radionuclides in the environment due to the operation of the nuclear station. Visual inspection of tabular or graphical presentations of data (including preoperational) is used to determine if a trend 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)

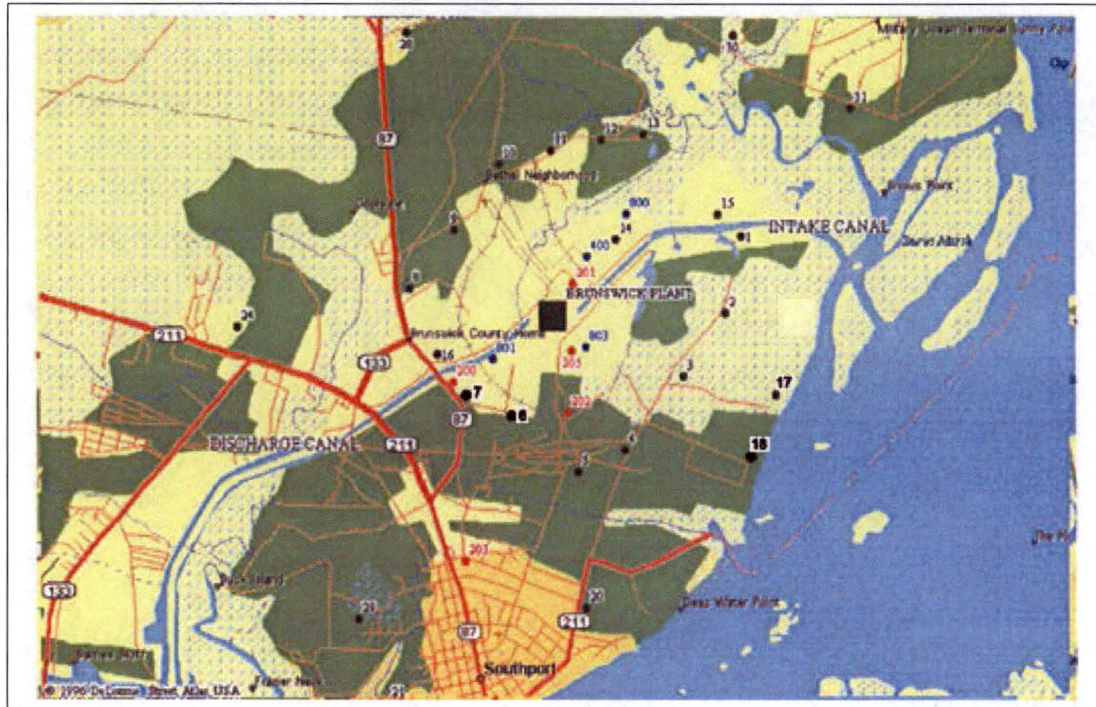
206 (Brunswick County Complex) - (Control Air Stations)

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)**

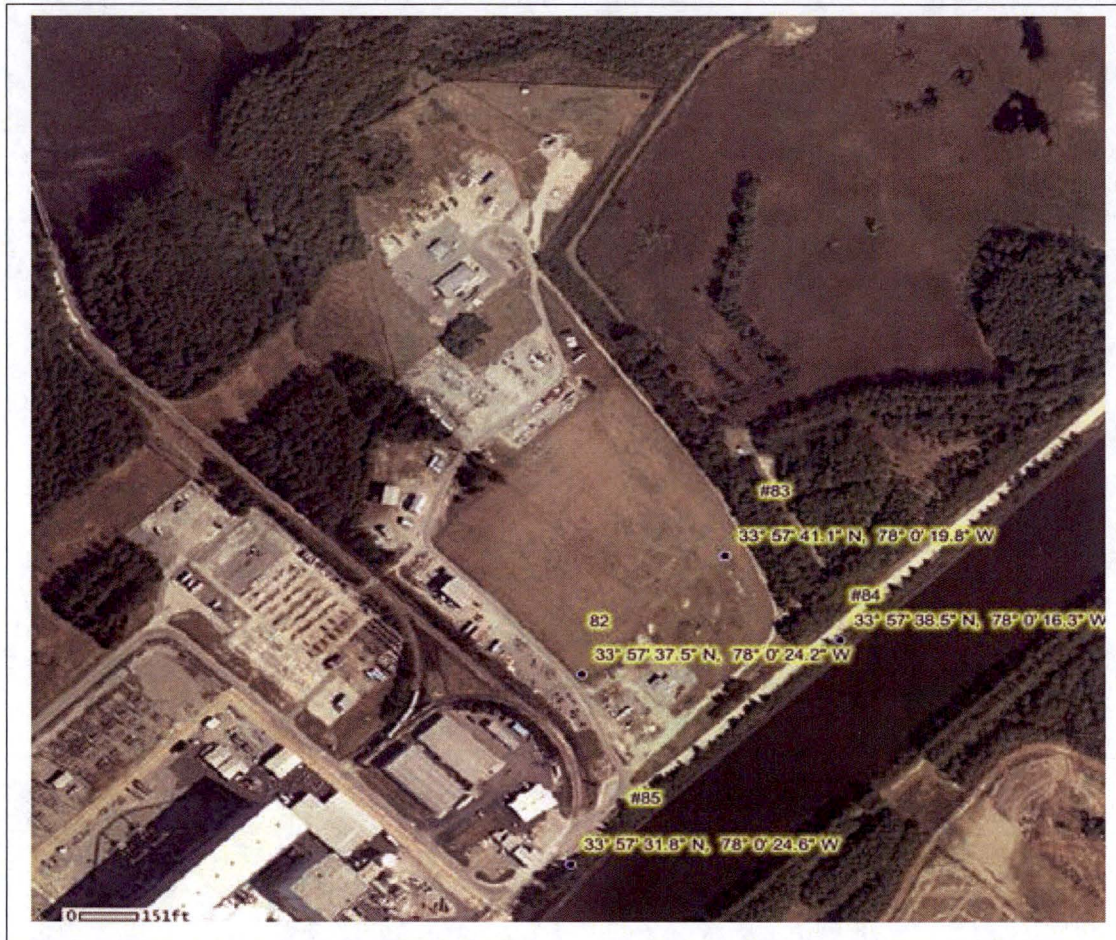


This is an expanded view of Figure 2.1-1.



Figure 2.1-3

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





**Figure 2.1-4**  
**Radiological Environmental Sampling Locations**

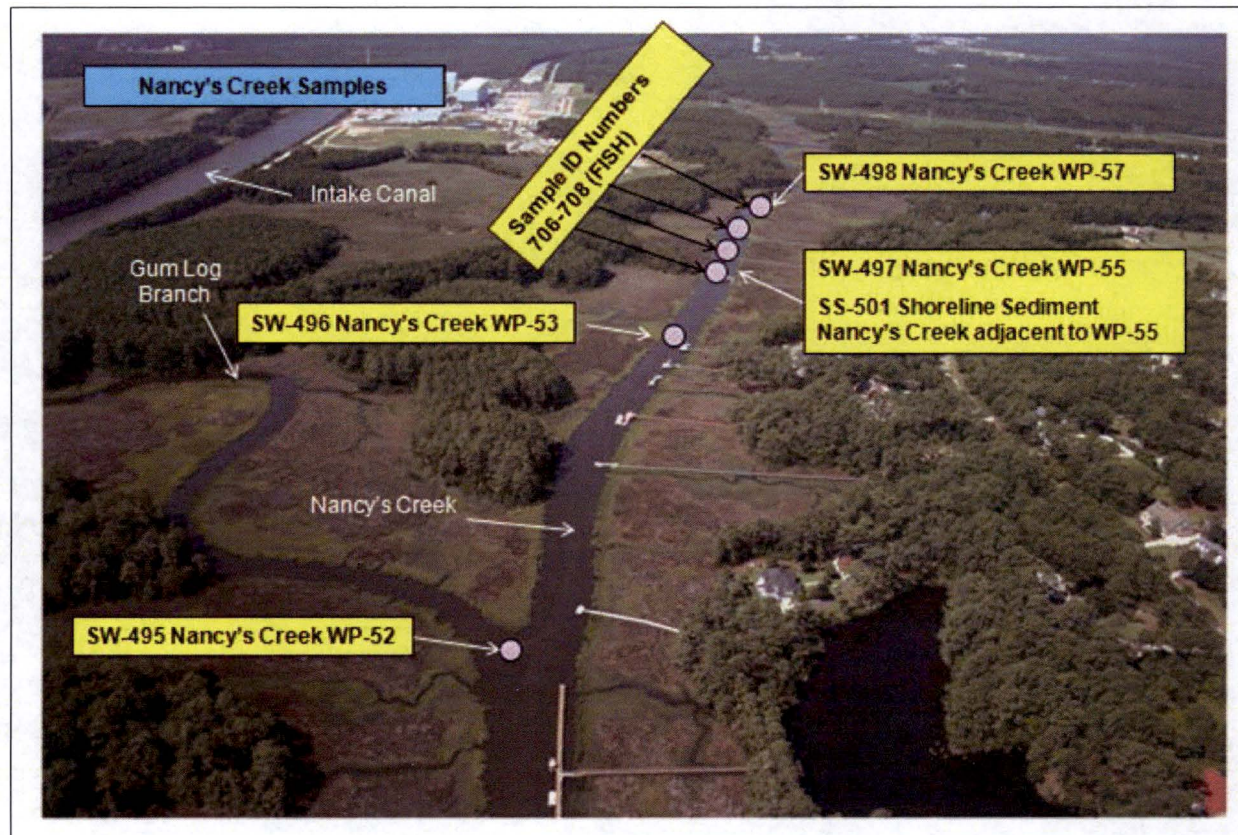
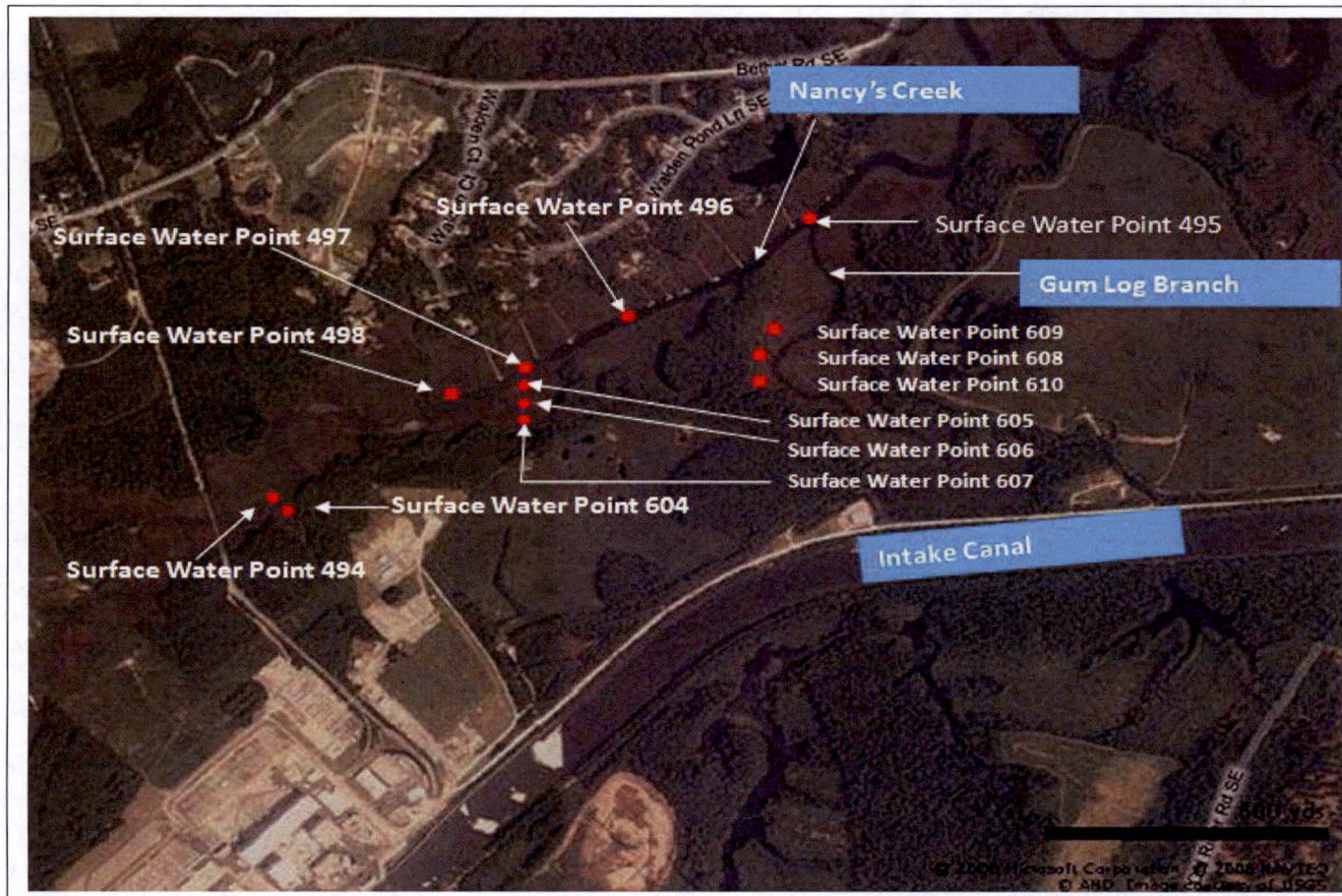




Figure 2.1-5

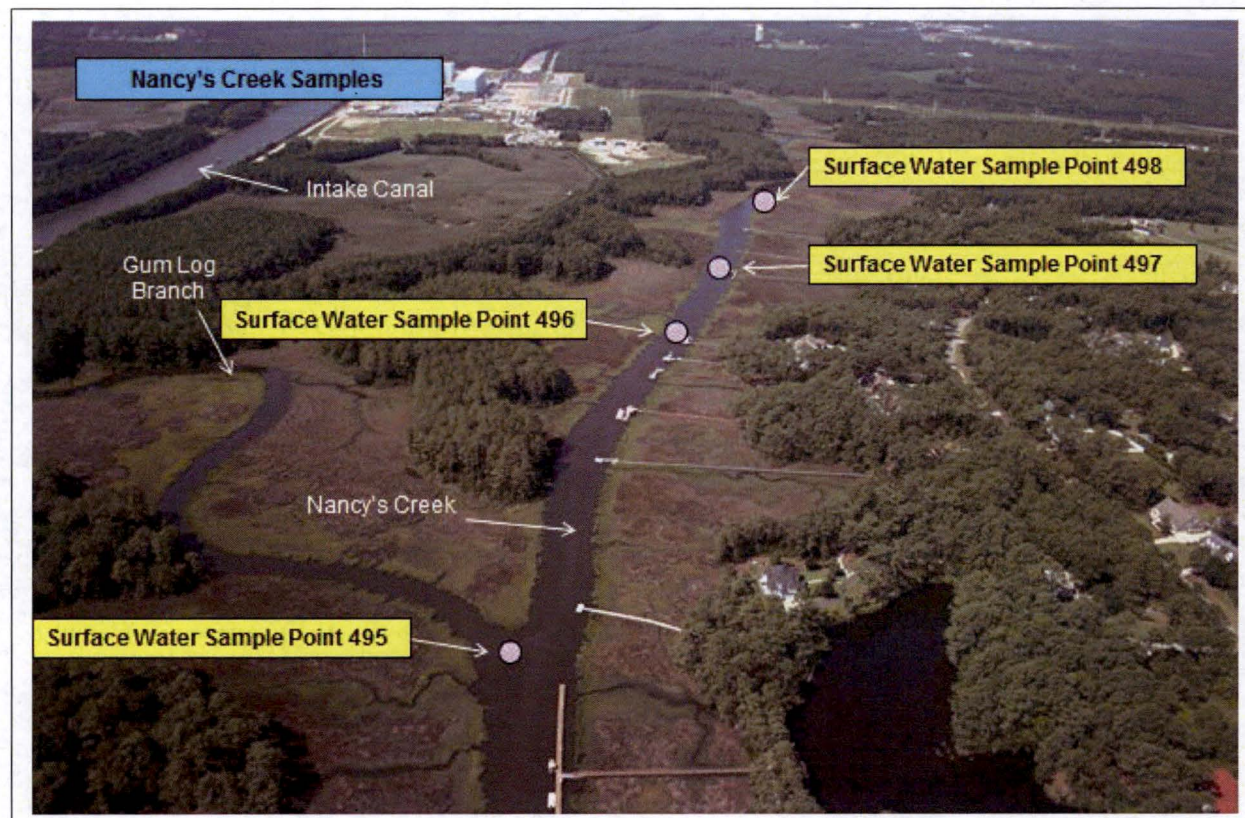
Radiological Environmental Sampling Locations (Continued)





**Figure 2.1-6**

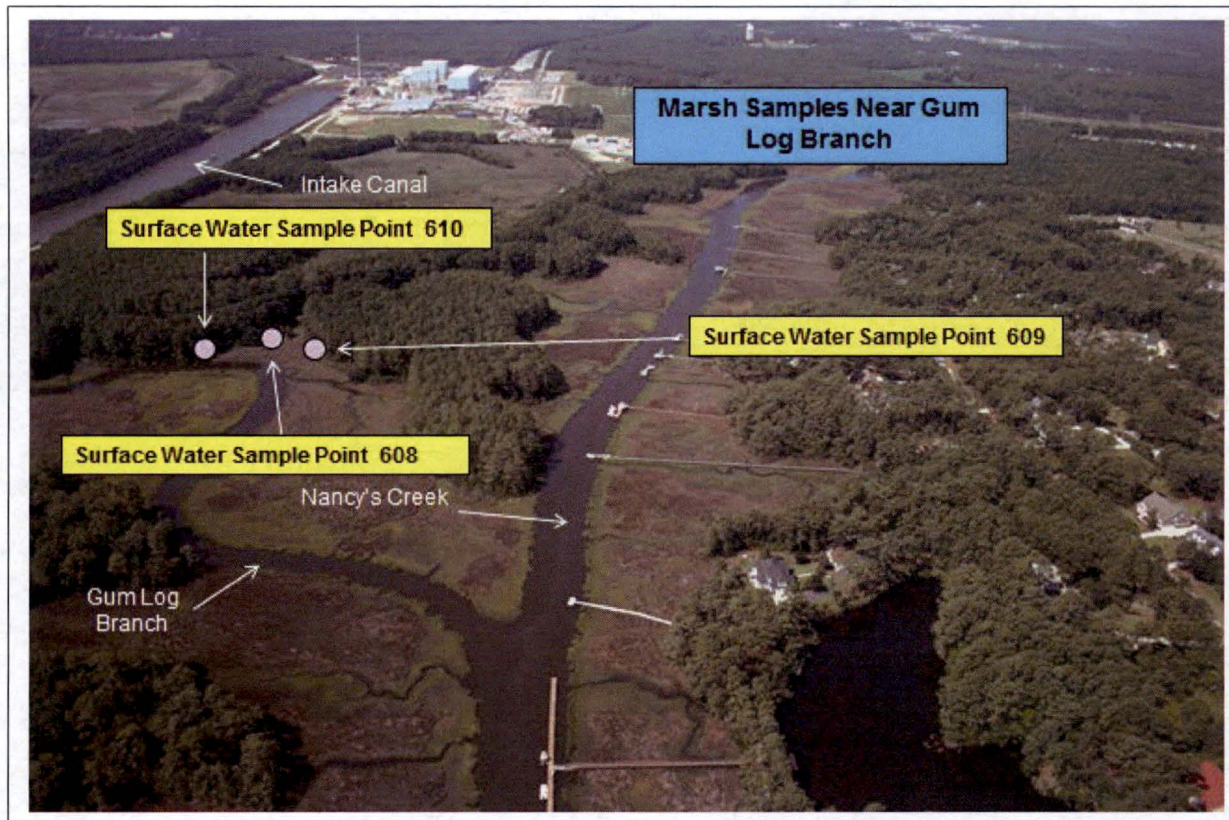
**Radiological Environmental Sampling Locations (Continued)**





**Figure 2.1-7**

**Radiological Environmental Sampling Locations (Continued)**





**Figure 2.1-8**

**Radiological Environmental Sampling Locations (Continued)**

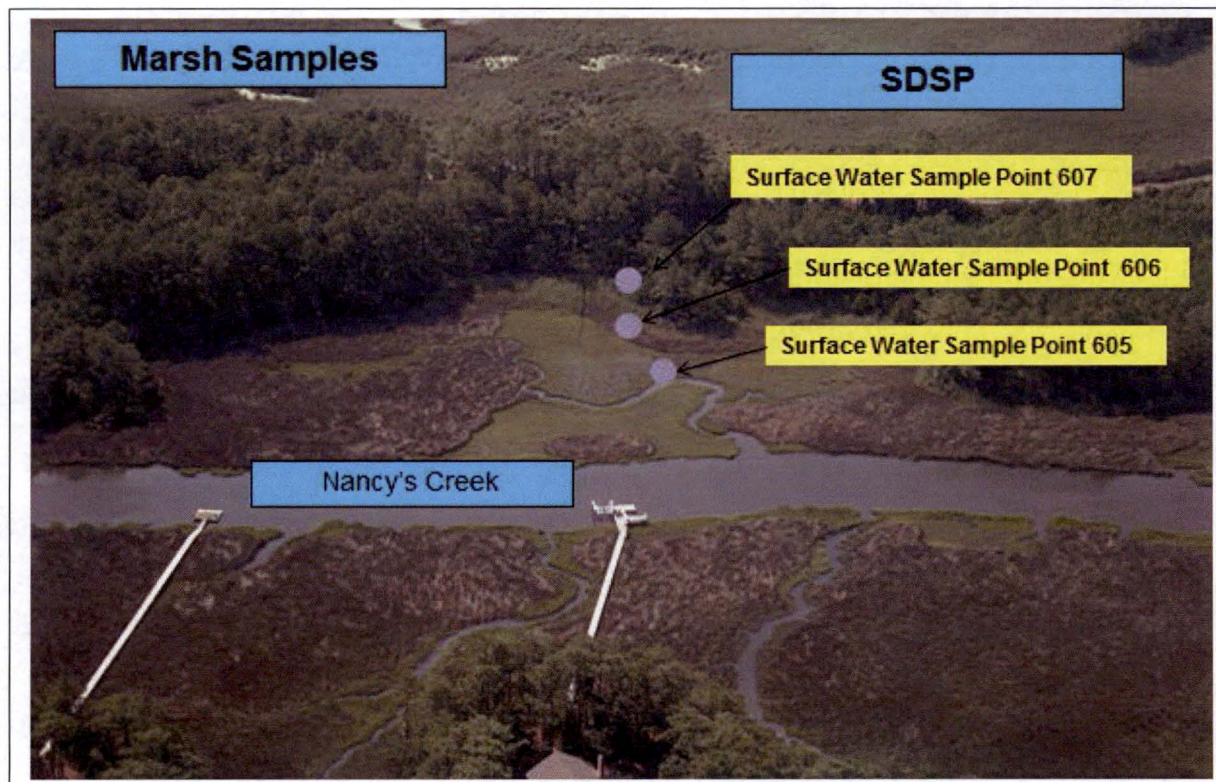
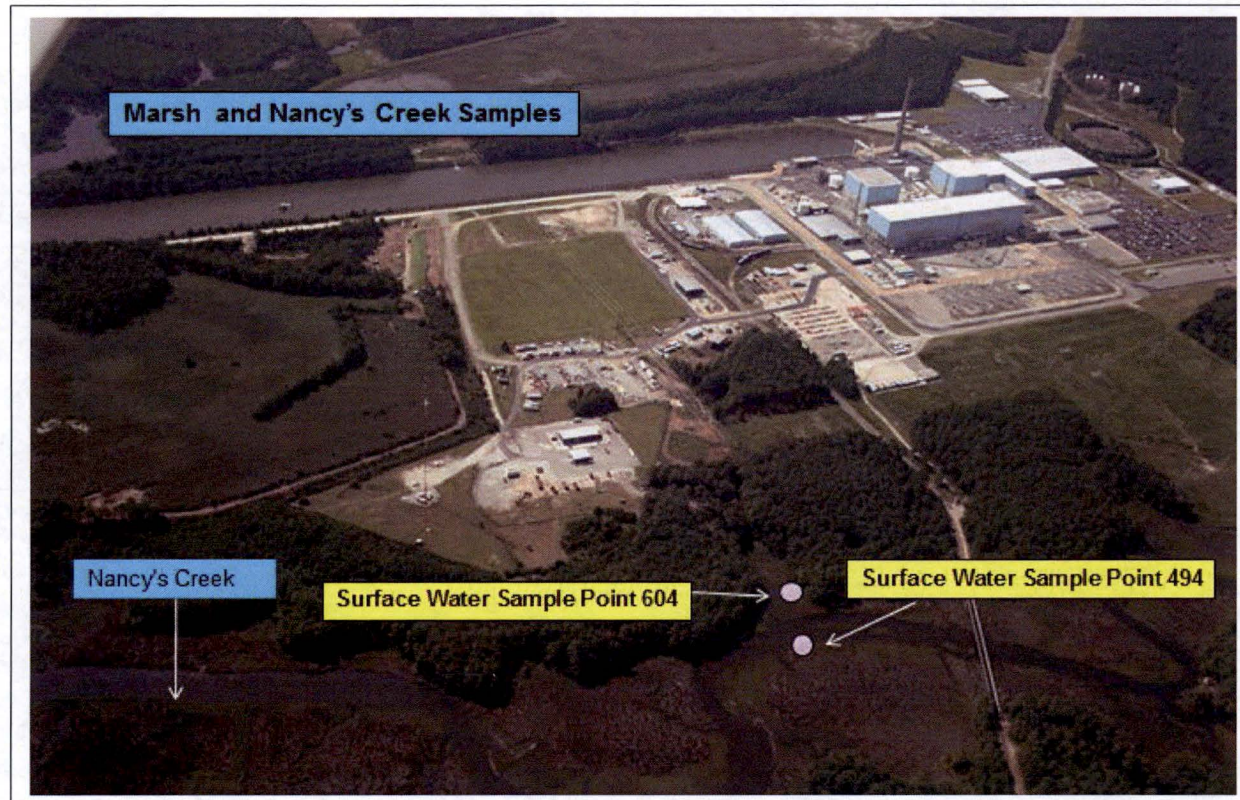




Figure 2.1-9

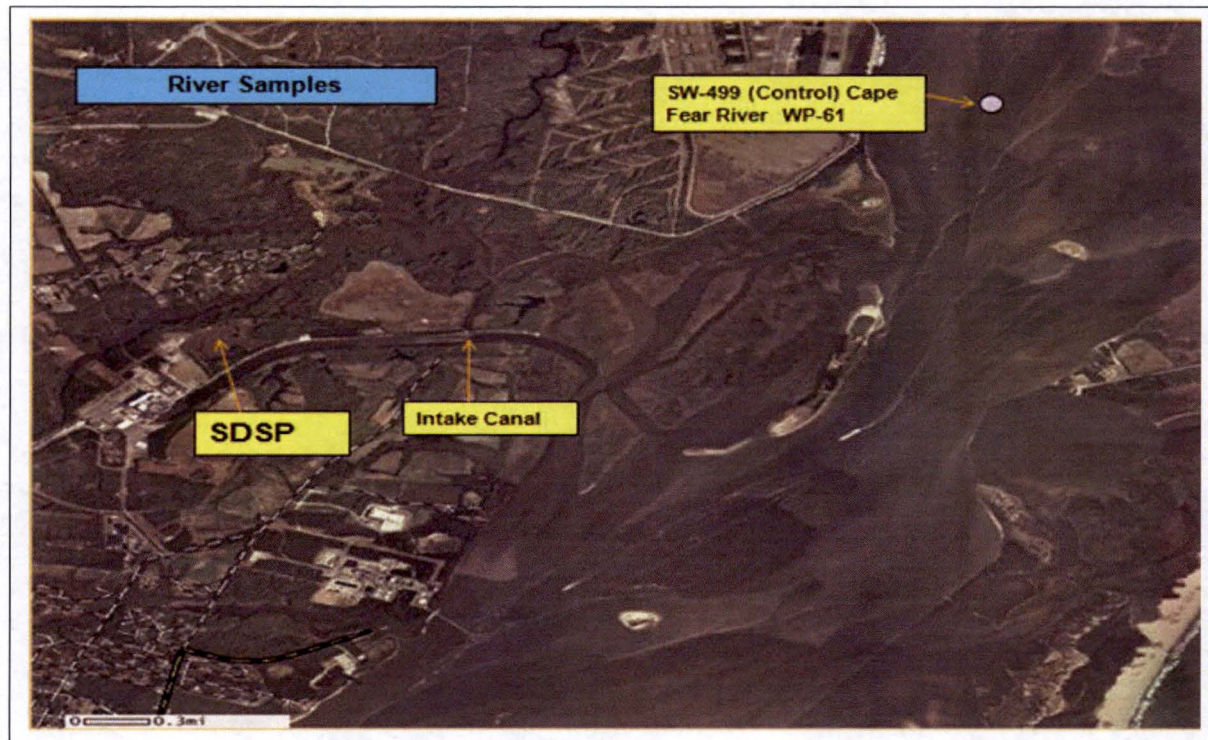
Radiological Environmental Sampling Locations (Continued)





**Figure 2.1-10**

**Radiological Environmental Sampling Locations (Continued)**



SDSP: Storm Drain Stabilization Pond



Figure 2.1-11

# Radiological Environmental Sampling Locations - Wells

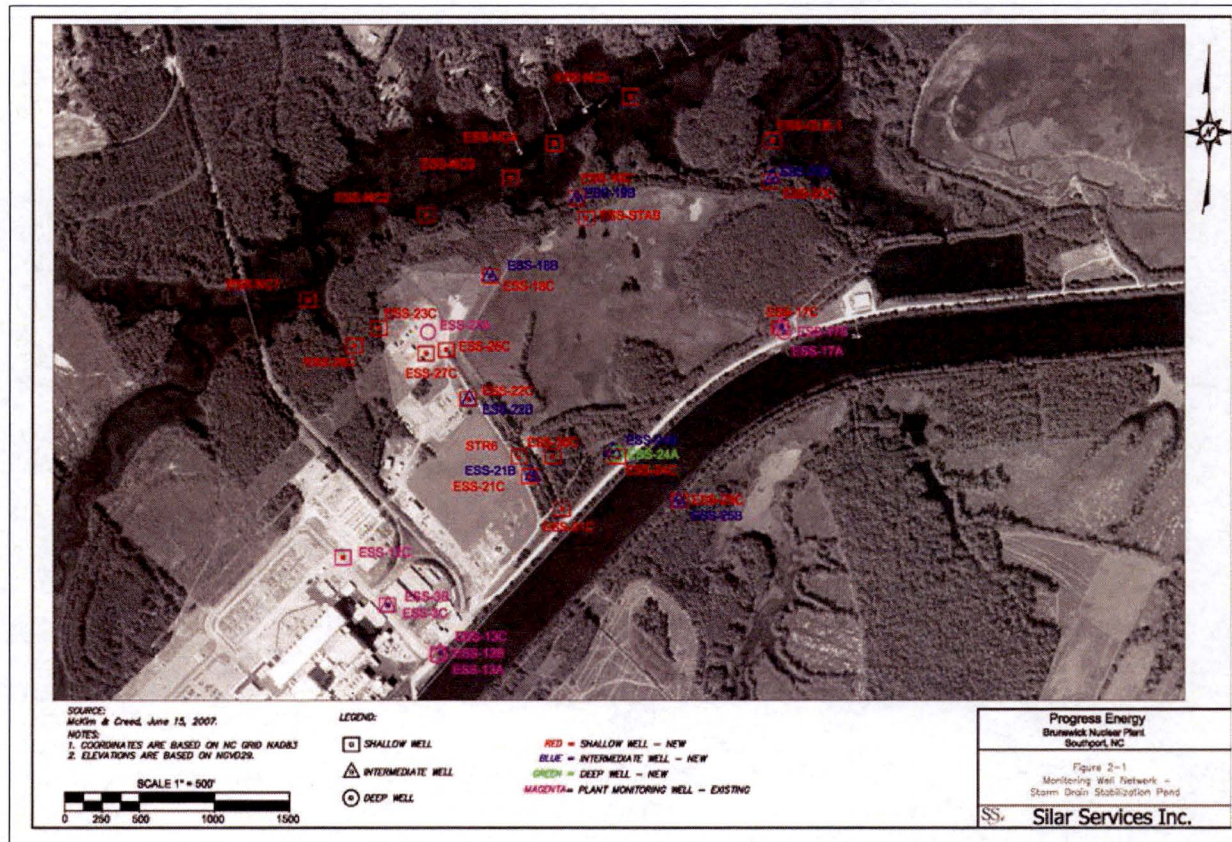




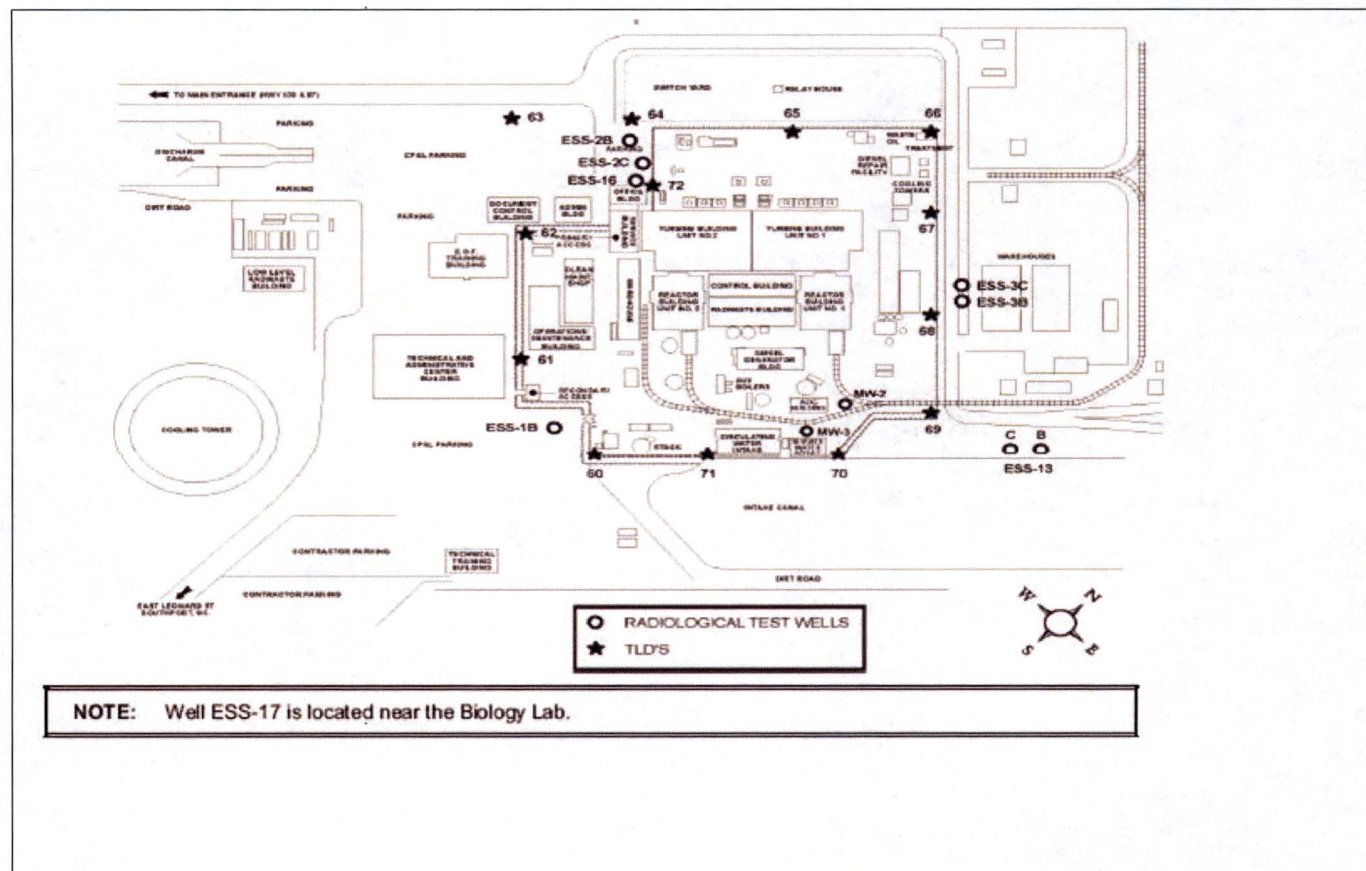
Figure 2.1-12

Radiological Environmental Sampling Locations – Wells (Continued)



**Figure 2.1-13**

**Radiological Environmental Sampling Locations – Wells (Continued)**





**Figure 2.1-14**

**Radiological Environmental Sampling Locations – Wells (Continued)**

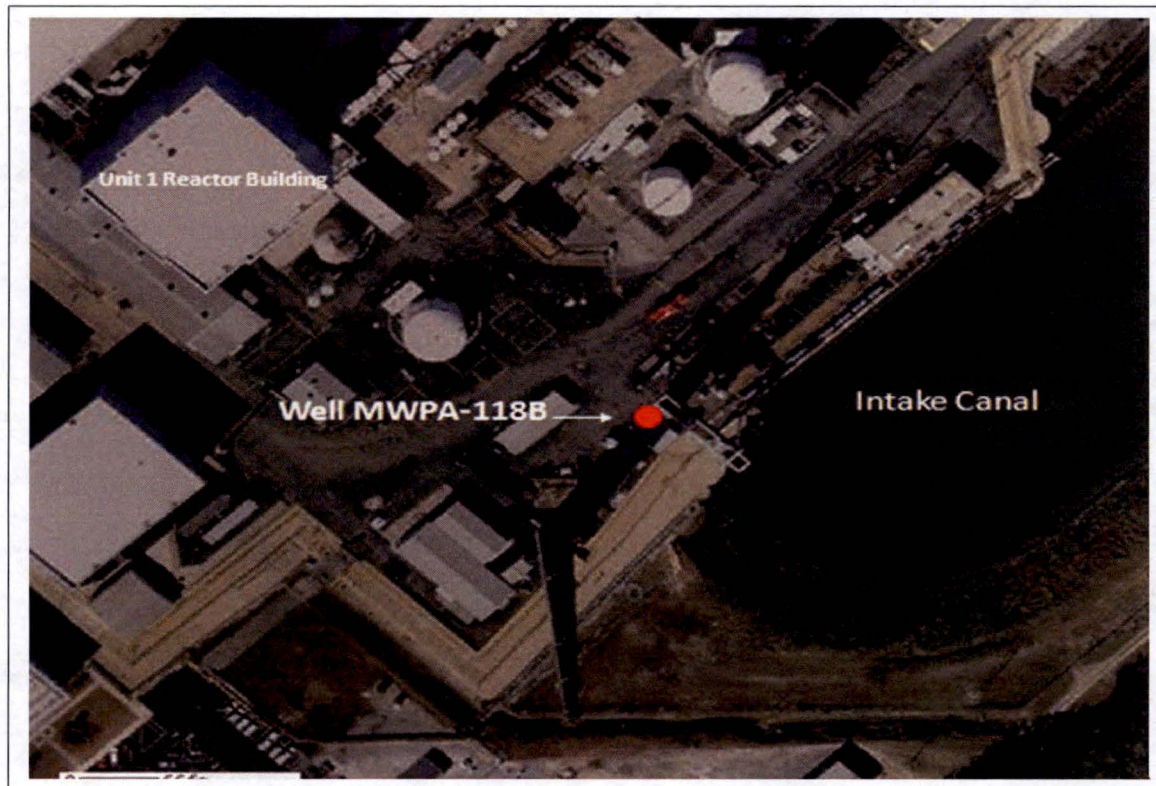


TABLE 2.1-A

**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 Radiiodine & 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 Marsh 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 <sup>(b)(c)</sup>		
701	I	5.5 miles SSW – Atlantic Ocean @ discharge (Bottom Feeders)				SA <sup>(b)(c)</sup>		
702	I	5.5 miles SSW – Atlantic Ocean @ discharge (Shellfish/Invertebrates)				SA <sup>(b)(c)</sup>		
703	C	Atlantic Ocean; location not specified (Free Swimmer)				SA <sup>(b)(c)</sup>		
704	C	Atlantic Ocean; location not specified (Bottom Feeder)				SA <sup>(b)(c)</sup>		
705	C	Atlantic Ocean; location not specified (Shellfish/Invertebrates)				SA <sup>(b)(c)</sup>		

**TABLE 2.1-A (Continued)**

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

(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 <sup>3</sup> )	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	Semiannually (700 – 705)	X			
Shellfish/Invertebrates <sup>(a)</sup>	Annually (706 – 708)	X	X		
Broadleaf Vegetation <sup>(b)</sup>	Monthly <sup>(b)</sup>	X			

(a) Edible portions

(b) When available

**TABLE 2.2-C**

**DETECTION CAPABILITIES FOR ENVIRONMENTAL SAMPLE ANALYSIS<sup>(a)</sup>**  
**LOWER LIMIT OF DETECTION (LLD)<sup>(b)(d)</sup>**

Analysis	Water (pCi/liter)	Airborne Particulates or Gases (pCi/m <sup>3</sup> )	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 <sup>(c)</sup>	0.07		1	60	
Cs-134	15	0.05	130	15	60	150
Cs-137	18	0.06	150	18	80	180
Ba-La-140	15			15		

- (a) 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  $5 \times 10^{-7}$   $\mu$ Ci/ml for Principal Gamma Emitters and  $1 \times 10^{-6}$   $\mu$ Ci/ml for I-131.

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## 3.0 INTERPRETATION OF RESULTS

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The following section depicts and explains the review of the REMP results conducted during 2015 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 2015 REMP analysis results was performed to identify changes in environmental levels as a result of BSEP operations. Sample data for 2015 was compared to preoperational and historical data. Summary tables containing 2015 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.

Review of the 2015 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 2015 indicates that radioactivity concentrations were not higher than expected and all positively identified measurements attributable to BSEP operations in 2015 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 2015 has been compiled and summarized in Appendix B along with any plant-derived activity detected within the scope of the REMP.

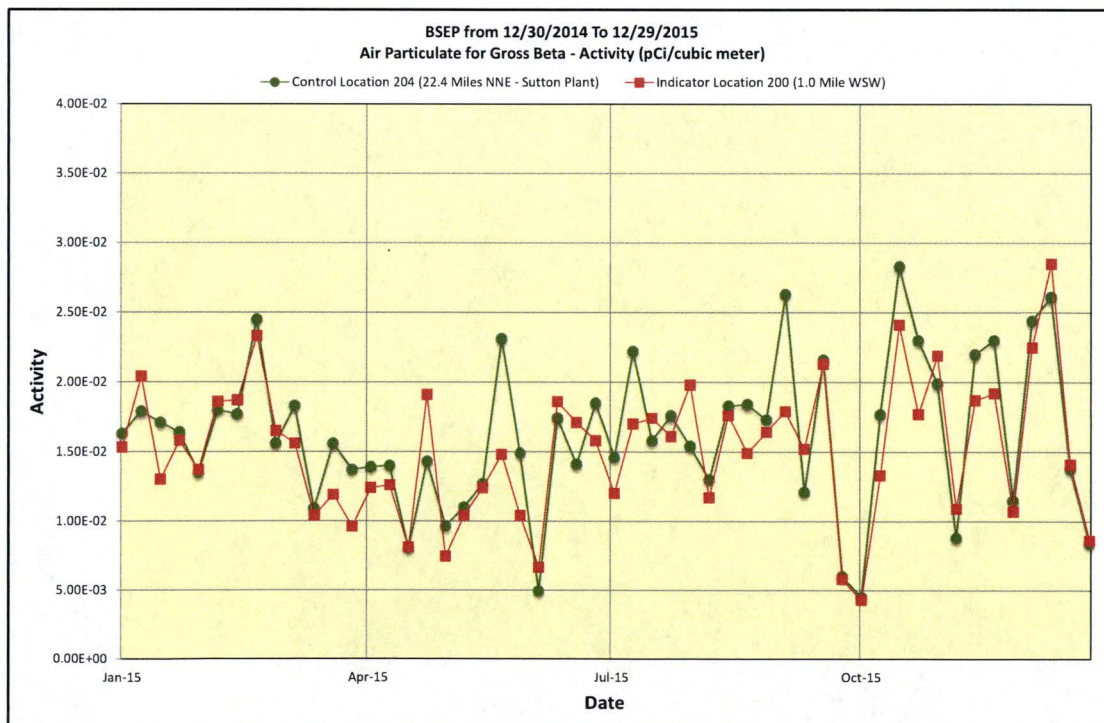
### 3.1 AIRBORNE RADIOIODINE AND PARTICULATES

The 364 air cartridge/radioiodine (AR) samples from the indicator (260 samples) and the control (104 samples) stations had I-131 concentrations less than the ODCM LLD of  $7.00\text{E-}2 \text{ pCi/m}^3$ . The air samplers operated for a total of 99.88% availability for the 2015 year. No I-131 activity due to BSEP operations was identified in any indicator or control samples in 2015.

For the period of January 1, 2015, to December 31, 2015, 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  $1.55\text{E-}2$  pCi/m<sup>3</sup> (a value lower than the preoperational data) and the average gross beta concentration measured in 104 AP samples collected at control stations during 2015 was  $1.60\text{E-}2$  pCi/m<sup>3</sup>. The preoperational (1973 – 1974) average concentration of  $8.2\text{E-}2$  pCi/m<sup>3</sup>, while the average activity in the recent past (2007 – 2014) was  $1.92\text{E-}2$  pCi/m<sup>3</sup>. The airborne concentrations of gross beta activity in 2015 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 2015. No plant-related gamma activity was observed for any air particulate filters analyzed during 2015. 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 2015 collection year.

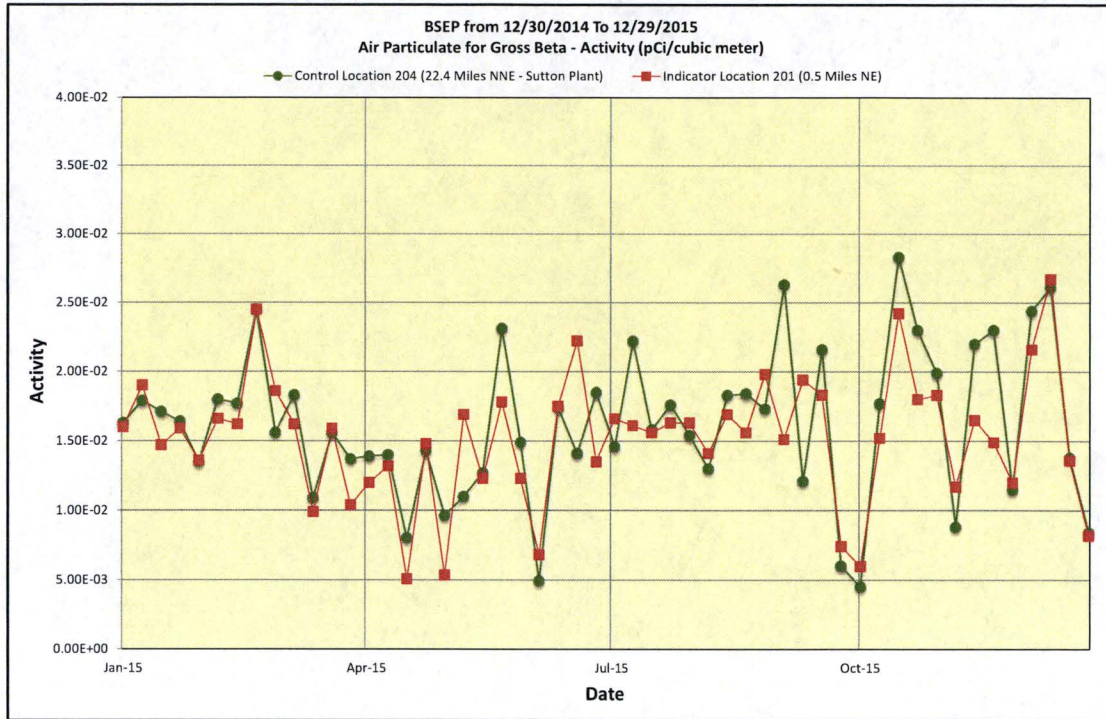
No plant-related gamma activity was detected in quarterly composite filter samples from either the indicator or control locations during 2015. BSEP ODCM LLDs and reporting levels for air particulates are contained in Section 2.0 in Table 2.2-C and 2.2-A respectively.

**Figure 3.1-1**





**Figure 3.1-2**



**Figure 3.1-3**

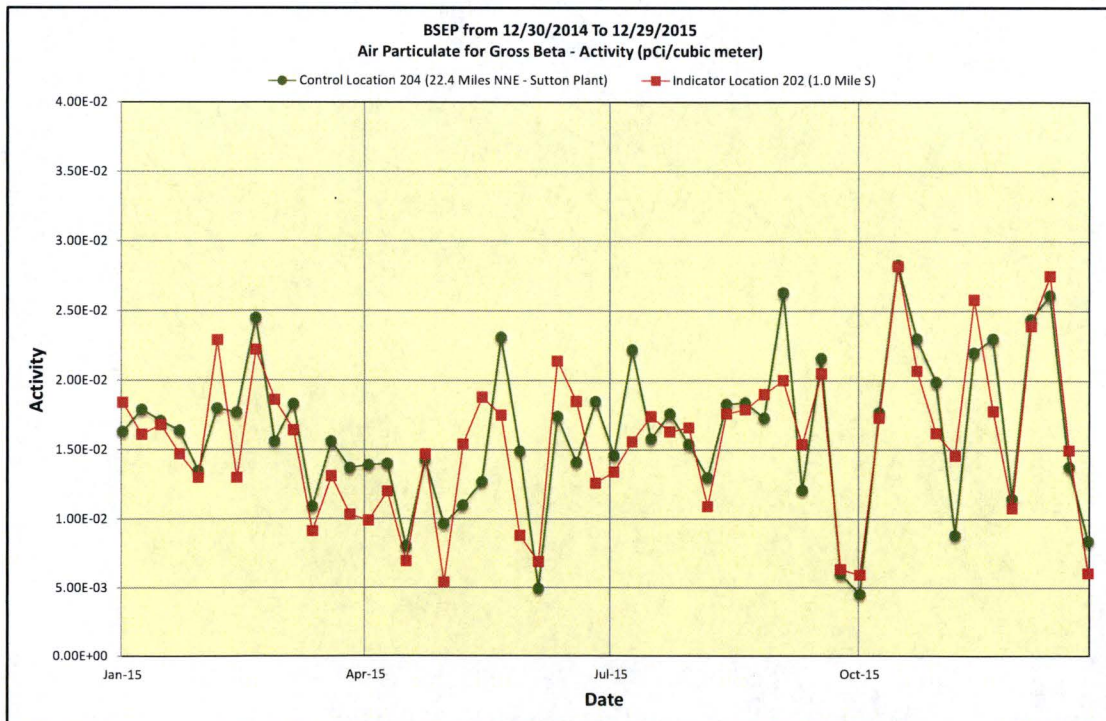


Figure 3.1-4

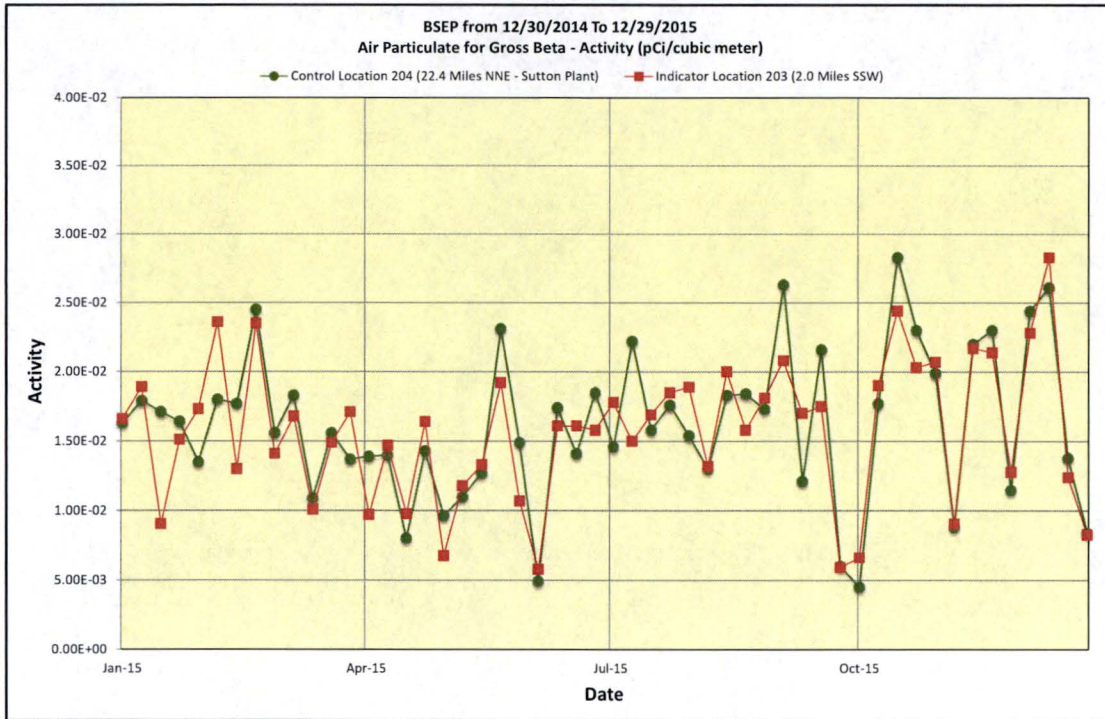
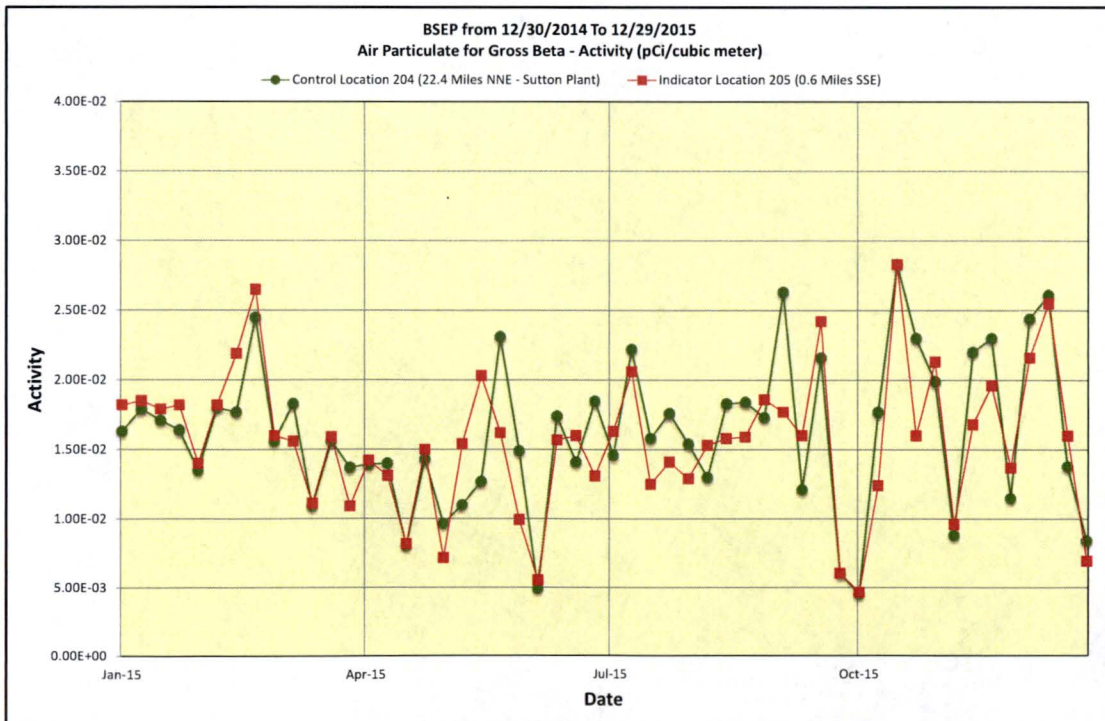
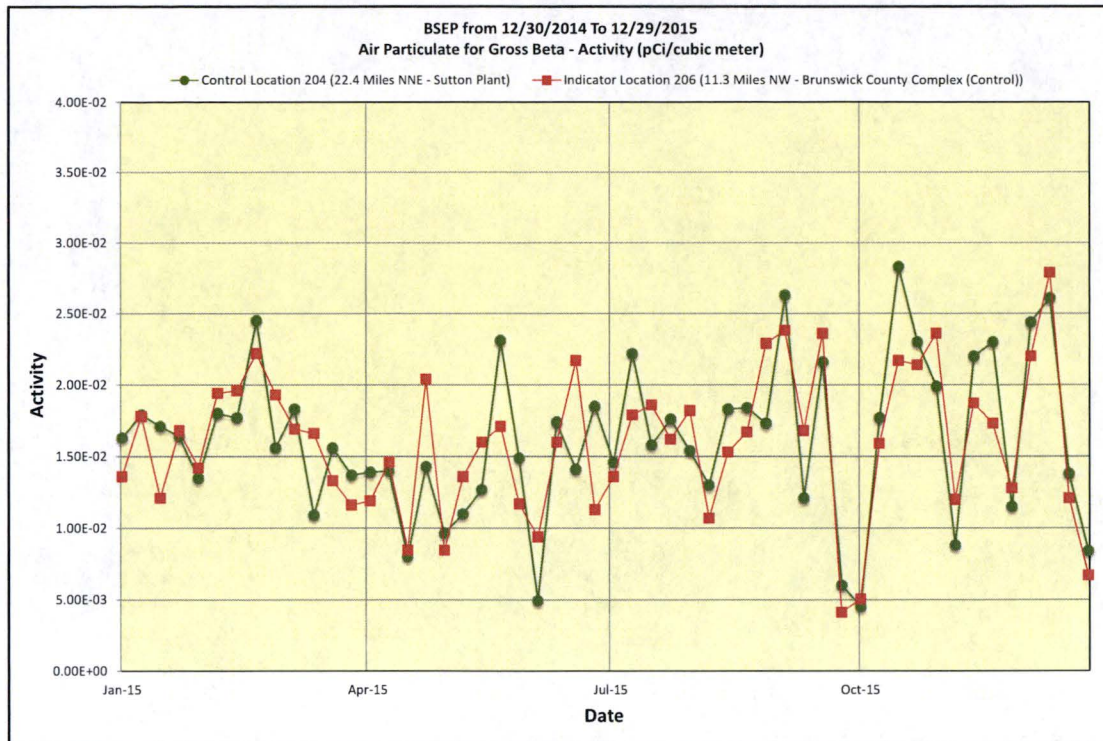


Figure 3.1-5





**Figure 3.1-6**



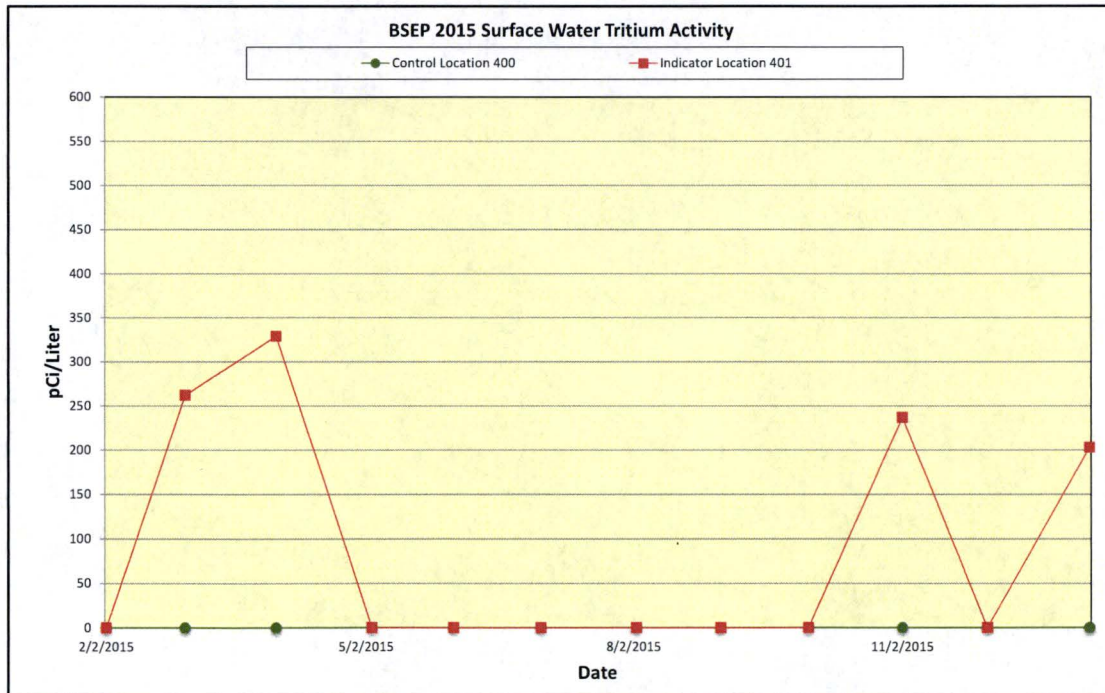
### 3.2 SURFACE WATER

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, 45 out of 636 indicator samples indicated the presence of tritium in 2015. The predominate indicator locations indicating tritium were at Nancy's Creek, Nancy's Creek Marsh Area, and the discharge canal. Four (4) of the twelve samples from the historical discharge canal indicated the presence of tritium, while 41 out



of 624 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  $2.58\text{E}+2$  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  $9.05\text{E}+2$  pCi/L of tritium activity. The reporting limit for tritium in environmental samples is  $3.00\text{E}+4$  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 2015. 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 2015. Analyses indicated detectable concentrations of tritium in five out of 46 samples analyzed in 2015 for an average



tritium concentration of  $3.52\text{E}+02$  pCi/L. Refer to Appendix B for additional ground water results. Ground water 404, 423, and 424 were not sampled during 2<sup>nd</sup> quarter 2015 (4/13/15) scheduled timeframe due to a BSEP Chemistry Scheduler Computer Program error. All three ground water well samples were sampled as soon as the missed surveillance was discovered (5/12/15); however, due to BSEP ODCM surveillance frequency stipulations the ground water samples were classified as unavailable for the 2<sup>nd</sup> quarter collection period (see Appendix C).

### **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 2015.

Food crops were not grown in the vicinity of the plant in 2015 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 2015; however, two control samples out of twelve had detectable Cs-137 activity at a concentration of  $2.98\text{E}+1$  pCi/kg (wet) in 2015. No other gamma activity was detected in any sample other than 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 three 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 (3) annually from three locations on Nancy's Creek (Figure 2.1-4). No detectable activities relating to plant effluents were detected in 2015. The fish locations on Nancy's Creek sampled in 2015 were also analyzed for tritium, with all the tritium results being less than LLD. The invertebrate sample collected from location #708 in Nancy's Creek was identified as having an Analytical Deviation, see Appendix D.

### **3.6 SHORELINE SEDIMENT**

Four shoreline sediments were collected in 2015. 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 2015 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:  $1.32\text{E}+2$  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 2015, 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 2015, 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 2015 was essentially unchanged from 1989-2014, with an average exposure for all of 2015 indicator locations of 10.6 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 10.6 mR/std. qtr. and 11.4 mR/std. qtr. respectively. The highest indicator location was 5.3 miles SW of the plant and its average was 15.9 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 2015 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 2015. 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 3<sup>rd</sup> 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 2015 ISFSI TLD data after loaded fuel with preoperational data (2008 – 3<sup>rd</sup> 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

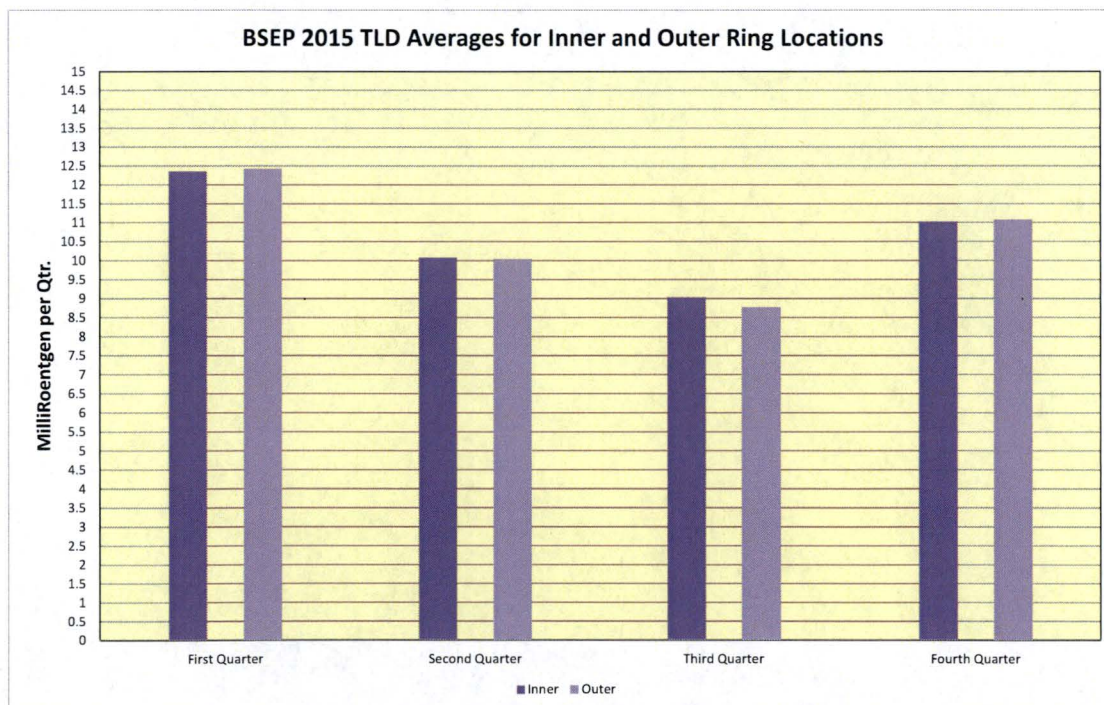


monitored since 2008 and additional information can be found in the BSEP 2015 Annual Release Report.

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. This change in environmental TLDs for the REMP indicates a step change in activity as mentioned in NCR # 01982479 between the Panasonic TLD readings prior to 2014 and the Harshaw TLD readings from 2014 to present. There are three factors that can be attributed to the step increase that was observed: (1) the annealing method levels employed were lower for the Panasonic TLDs, (2) transit control subtraction differences, and (3) the calculation/method of fade correction (fixed fade control - vs - actual in field TLDs). Starting in 2016, enhanced analytical methods will be evaluated for future implementation when sufficient data is available. The new methods will improve data transparency and interpretation.

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.)**

	<b>TLD # 82</b>	<b>TLD # 83</b>	<b>TLD # 84</b>	<b>TLD # 85</b>
Average Pre-Op (1 <sup>st</sup> Qtr. 2008 to 3 <sup>rd</sup> Qtr. 2010)	30.1 ± 3.1	22.4 ± 2.1	16.7 ± 1.6	53.2 ± 7.6
Average after Fuel Loaded (4 <sup>th</sup> Qtr. 2010 to 4 <sup>th</sup> Qtr. 2015)	32.1	24.3	18.2	46.8

**Table 3.7-B**

**Brunswick Steam Electric Plant  
HISTORICAL TLD RESULTS (1972-2015)**

<b>Year</b>	<b>Average Exposure of All TLD Monitoring Locations (mR per week)</b>
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)
2015	10.7 (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 2015 BSEP Annual Land Use Census was conducted during June of 2015 as required by the BSEP ODCM. Table 3.8-A summarizes the 2015 census results. No environmental program changes were required as a result of the 2015 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 2014 and 2015 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 2015 did identify one change from 2014. The nearest resident location changed in the South (S) sector from 1.1 miles to 1.1 miles (address changed, but distance did not) The garden portion of the census identified changes in the distance of the nearest garden in two sectors during the 2015 census.

The nearest garden location changed in the North (N) sector from 1.0 miles to 1.1 miles (address changed, but distance did not), the South (S) sector from 2.2 miles to 1.8 miles and in the West (W) sector from 1.1 miles to 1.2 miles. No milk animals were located within 5 miles of the plant in 2015.

The 2015 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 2015 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 (2014 – 2015)**  
**Nearest Pathway (Miles)**

SECTOR	RESIDENT		GARDEN		MILK/MEAT ANIMALS	
	2014	2015	2014	2015	2014	2015
N	0.7	0.7	1.0	1.1*	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**	1.8	1.8	None	None
SSW	1.2	1.2	1.9	1.9	None	None
SW	1.1	1.1	1.4	1.4	None	None
WSW	1.2	1.2	1.3	1.3	None	None
W	0.9	0.9	1.1	1.2*	None	None
WNW	0.9	0.9	1.0	1.0	None	None
NW	0.9	0.9	4.9	4.9	None	None
NNW	0.8	0.8	0.9	0.9	None	None

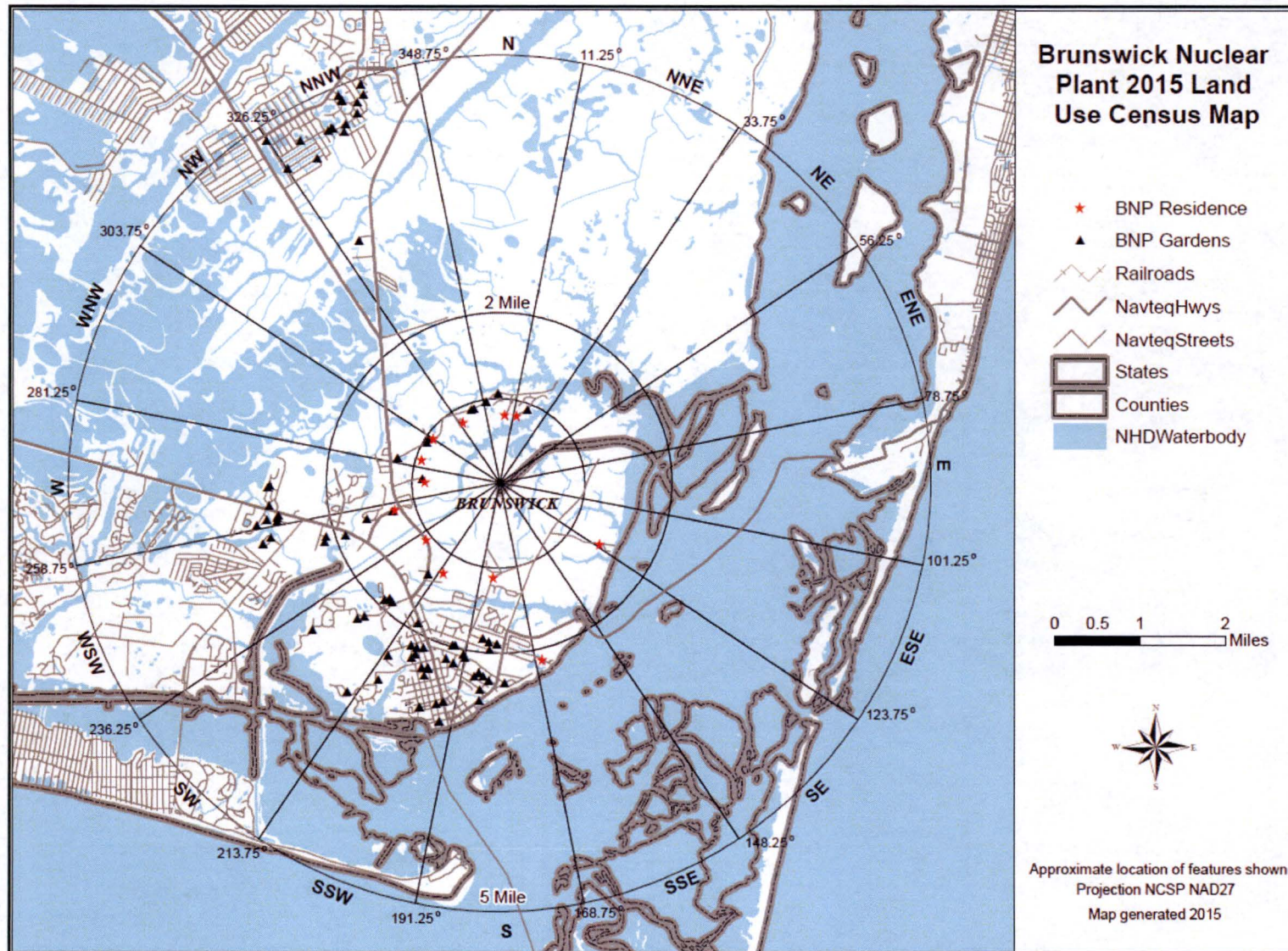
\* Represents a change from the previous year.

\*\*Change from previous year for nearest Resident due to an actual different physical address, but same mileage.  
Sector and distance determined by Global Positioning System.

**Table 3.8-B**  
**Brunswick Steam Electric Plant**  
**Garden Census – 2015**

SECTOR	DISTANCE (miles)		SECTOR	DISTANCE (miles)
N	1.1		SW	1.9
NNE	0.9		SW	2.2
NE	None		SW	2.3
ENE	None		SW	2.8
E	None		SW	3.0
ESE	None		WSW	1.3
SE	None		WSW	1.6
SSE	None		WSW	1.9
S	1.8		WSW	2.1
S	1.9		WSW	2.7
S	2.0		WSW	2.8
S	2.2		W	1.2
S	2.2		W	1.3
S	2.3		W	2.6
S	2.3		W	2.6
S	2.3		W	2.7
S	2.3		W	2.7
S	2.4		W	2.7
S	2.6		W	2.8
SSW	1.9		WNW	1.0
SSW	2.0		WNW	1.0
SSW	2.1		WNW	1.2
SSW	2.1		NW	4.9
SSW	2.2		NNW	0.9
SSW	2.2		NNW	0.9
SSW	2.2		NNW	3.3
SSW	2.2		NNW	4.3
SSW	2.3		NNW	4.2
SSW	2.3		NNW	4.5
SSW	2.3		NNW	4.6
SSW	2.4		NNW	4.6
SSW	2.4		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	4.8
SSW	2.8		NNW	4.8
SSW	2.9		NNW	4.9
SW	1.4		NNW	4.9
SW	1.9		NNW	4.9
SW	1.9		N/A	N/A

Figure 3.8-1



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## **4.0 QUALITY ASSURANCE**

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### **4.1 SAMPLE COLLECTION**

Environmental sample collection was performed by BSEP Chemistry personnel in 2015, 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, LLC (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 2015 Duke Energy Environmental Laboratory (EnRad) participated in interlaboratory programs to satisfy Radiological Environmental Monitoring Program requirements in Duke Energy nuclear plant Offsite Dose Calculation Manuals and Selected Licensee Commitments Manuals, as applicable. In addition, EnRad Laboratory participated in the Environmental Resource Associates (ERA) RadChem™ Proficiency Testing program to satisfy the North Carolina state drinking water radiochemistry certification requirements.

EnRad Laboratory participated in three interlaboratory programs: Eckert & Ziegler Analytics (EZA), ERA, and Fleet Scientific Services (FSS). EZA results were evaluated against IP 84750 acceptance criteria stated in EnRad procedure 515, Cross Check Program Administration. ERA evaluated the results reported by EnRad 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.

BSEP REMP does not have a drinking water pathway, so low-level Iodine-131 analysis of drinking water was not required during 2015. This dose pathway was calculated monthly for applicable sites during 2015 to ensure that low-level Iodine-131 analysis of drinking water samples was not required (the dose calculated for the consumption of the water was not greater than 1 mrem per year).

#### **4.5.1 DUKE ENERGY INTERLABORATORY PROGRAM**

EnRad Laboratories participated in the Duke Energy Fleet Scientific Services (FSS) Interlaboratory Program during 2015. Interlaboratory cross check samples including mixed gamma in water (Marinelli beakers), low-level I-131 in water, gross beta in water, and tritium in water samples were analyzed during 2015. A summary of the EnRad Laboratory program results for 2015 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 2015. Cross check samples including air filters (single and composites), air cartridges, gross beta in water, various mixed gamma samples in Marinelli beakers (soil, vegetation, milk, and water), tritium in water, and Iodine in milk and water samples were analyzed at various times of the year. A summary of the EnRad Laboratory program results for 2015 is documented in Table 4.0-B.

Interlaboratory cross check samples from EZA were received and analyzed in all four quarters of 2015. During 2015, there were three EZA Cross Check results in non-agreement. The first non-agreement result was in the second quarter mixed gamma in vegetation sample (E11250). Agreement was achieved in seven of eight identified nuclides, with Cs-137 being the nuclide that was found in non-agreement (NCR # 01939292). Due to the non-agreement, an evaluation was conducted to track actions and resolve how to prevent recurrence. The evaluation identified a slight negative bias for all nuclides which could be attributed to three factors: (1) mismatch between cross check geometry and calibration geometry fill-depth, (2) insufficient training of laboratory personnel regarding the importance of geometry effects, and (3) EnRad procedure # 52 when revised the procedural guidance on sample preparation to agree with calibration geometries' fill-depth was removed. How to prevent recurrence: (1) laboratory personnel were provided training to ensure an understanding of the importance of reproducing the proper geometry in all sample analyses, (2) ensure cross checks are ordered that correctly reflect calibration geometries, (3) revise EnRad procedure # 52 to address proper sample preparation to ensure proper geometry agreement, and (4) request from EZA a third quarter mixed gamma in vegetation (E11335) sample (all nuclides were in agreement and no bias was present).

The next two non-agreement results were second quarter LLI-131 in Water (E11248) and third quarter LLI-131 in Water (E11337); NCR # 01937710 and NCR # 01967544 respectively. After the second failure, the LLI-131 in Water analysis was immediately suspended at EnRad Analytical Laboratory (October 2015) and samples requiring this analysis were sent to a vendor lab (GEL). During the fourth quarter of 2015, EnRad requested and analyzed six LLI-131 in Water samples prepared by FSS and all samples were in agreement. Second quarter LLI-131 in Water (E11248) - NCR # 01937710 non-agreement was determined to have been caused by an incomplete chemical separation as the source of the cross check failure. The exact cause of the incomplete separation could not be established and given that the accompanying QC samples were acceptable, no precise cause could be attributed to the failure. In accordance with standard practice, another cross check was obtained for third quarter 2015 to validate the LLI-131 in Water methodology. The third quarter LLI-131 in Water (E11337) also yielded unacceptable results (NCR # 01967544) with result similar to the second quarter results. Immediate corrective actions included reviewing analysis package, EnRad Analytical Laboratory immediately suspended the LLI-131 in Water analysis and samples requiring this analysis were sent to a vendor lab (GEL) for analysis. Due to the second non-agreement, another evaluation was conducted to determine the cause and how to prevent recurrence. The evaluation identified the following items to help prevent recurrence: (1) revise EnRad procedure # 54 to specify method (pH) limitations of steps and to apply dechlorination steps only when needed; (2) revise EnRad procedure # 515 to address specific activity ranges, chemical matrix types, physical matrix types, or specific geometry requirements - such as I-131 cross check samples be ordered at a lower pH; (3) analyze a final set

of test samples in appropriate pH to validate cause had been resolved. All FSS LLI-131 samples analyzed during fourth quarter 2015 were in agreement.

Low-Level Iodine 131 (LLI-131) activity has not been observed in water analyses at EnRad Analytical Laboratory in 2015; therefore, there is no possibility that I-131 results may have been underreported in 2015. During first quarter of 2015, EnRad Analytical Laboratory analyzed a LLI-131 in Milk (E11171) with acceptable results (Ratio: 99%). LLI-131 in Milk methodology is essentially the same as that of water and they have similar densities.

The BSEP Chemistry Laboratory participated in the Analytical Environmental Cross Check Program administered by Eckert & Ziegler Analytics, Inc. during 2015. Cross check samples including tritium in water, gammas in solids, and other sample media were analyzed in 2015. A summary of the applicable BSEP Laboratory program results for 2015 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 2015 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 Department of Health and Human Services, Division of Public Health for intercomparison analysis.

#### **4.7 GENERAL ENGINEERING LABORATORY, LLC (GEL)**

General Engineering Laboratory, LLC (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 2015. A summary of the GEL quality assurance program results for the sample media types sent to GEL during 2015 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 2015 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. During third quarter of 2015 an environmental external TLD cross check failed and NCR # 02012855 was written to document this failure. To prevent recurrence, the TLD was pulled and visually inspected for cracks in the elements and overall integrity of the TLD - no abnormalities were found. A dose response check was performed and one of the elements fell outside the acceptable limits; therefore, the TLD was removed from service by separating it from the usable TLD population and writing OOS (out of service) over the barcode with a permanent marker to prevent future use. Fourth quarter 2015 results were all acceptable. 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 2015 Internal Cross Check (Duke Energy) Result is documented in Table 4.0-F.

# TABLE 4.0-A

## DUKE ENERGY

### INTERLABORATORY COMPARISON PROGRAM

#### 2015 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. Thirteen water samples were analyzed for tritium, gross beta, and mixed gamma emitters, while two water samples were analyzed for low-level I-131. The below table lists results for specific analyses. One hundred and twenty results were reported and 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 with 100% agreement.

Sample	Sample ID	Nuclide	Quarter	Units	EnRad Value	GO Value	EnRad/GO Ratio	Evaluation
Water			4	pCi/L	1.13E+02	1.17E+02	0.96	Agreement
LLI-131	Q154L1W1	I-131	4	pCi/L	1.19E+02	1.17E+02	1.01	Agreement
			4	pCi/L	1.19E+02	1.17E+02	1.01	Agreement
			4	pCi/L	5.57E+01	5.71E+01	0.97	Agreement
	Q154L1W2	I-131	4	pCi/L	5.51E+01	5.71E+01	0.96	Agreement
			4	pCi/L	5.41E+01	5.71E+01	0.95	Agreement
Tritium in Water	Q151TWR1	H-3	1	pCi/L	2.22E+03	2.08E+03	1.07	Agreement
			1	pCi/L	2.14E+03	2.08E+03	1.03	Agreement
	Q151TWR2	H-3	1	pCi/L	4.74E+02	4.42E+02	1.07	Agreement
			1	pCi/L	5.20E+02	4.42E+02	1.18	Agreement
	Q151TWR3	H-3	1	pCi/L	8.35E+03	8.45E+03	0.99	Agreement
			1	pCi/L	8.44E+03	8.45E+03	1.00	Agreement
Tritium in Water			3	pCi/L	1.45E+05	1.49E+05	0.97	Agreement
	Q153TWR1	H-3	3	pCi/L	1.47E+05	1.49E+05	0.99	Agreement
			3	pCi/L	1.49E+05	1.49E+05	1.00	Agreement
			3	pCi/L	2.82E+03	2.77E+03	1.02	Agreement
	Q153TWR2	H-3	3	pCi/L	2.79E+03	2.77E+03	1.01	Agreement
			3	pCi/L	2.69E+03	2.77E+03	0.97	Agreement
			3	pCi/L	3.70E+02	3.35E+02	1.11	Agreement
	Q153TWR3	H-3	3	pCi/L	3.34E+02	3.35E+02	1.00	Agreement
			3	pCi/L	3.20E+02	3.35E+02	0.96	Agreement
Beta in Water			3	pCi/L	1.31E+02	1.27E+02	1.03	Agreement
	Q153ABW1	Cs-137	3	pCi/L	1.29E+02	1.27E+02	1.02	Agreement
			3	pCi/L	1.28E+02	1.27E+02	1.01	Agreement
			3	pCi/L	3.24E+02	3.26E+02	0.99	Agreement
	Q153ABW2	Cs-137	3	pCi/L	3.32E+02	3.26E+02	1.02	Agreement
			3	pCi/L	3.24E+02	3.26E+02	0.99	Agreement
			3	pCi/L	2.04E+02	1.97E+02	1.04	Agreement
	Q153ABW3	Cs-137	3	pCi/L	2.05E+02	1.97E+02	1.04	Agreement
			3	pCi/L	2.03E+02	1.97E+02	1.03	Agreement

# TABLE 4.0-A (Cont.)

Sample	Sample ID	Nuclide	Quarter	Units	EnRad Value	GO Value	EnRad/GO Ratio	Evaluation
Gamma in Water	Q151GWR1 1.0 L	Mn-54	1	pCi/L	7.06E+03	6.65E+03	1.06	Agreement
			1	pCi/L	7.18E+03	6.65E+03	1.08	Agreement
			1	pCi/L	7.16E+03	6.65E+03	1.08	Agreement
		Co-57	1	pCi/L	4.84E+03	4.87E+03	0.99	Agreement
			1	pCi/L	4.93E+03	4.87E+03	1.01	Agreement
			1	pCi/L	4.88E+03	4.87E+03	1.00	Agreement
		Fe-59	1	pCi/L	7.92E+03	7.41E+03	1.07	Agreement
			1	pCi/L	8.06E+03	7.41E+03	1.09	Agreement
			1	pCi/L	8.10E+03	7.41E+03	1.09	Agreement
	Q151GWR1 3.5 L	Co-60	1	pCi/L	6.13E+03	6.14E+03	1.00	Agreement
			1	pCi/L	6.25E+03	6.14E+03	1.02	Agreement
			1	pCi/L	6.21E+03	6.14E+03	1.01	Agreement
		Cs-134	1	pCi/L	7.53E+03	8.53E+03	0.88	Agreement
			1	pCi/L	7.59E+03	8.53E+03	0.89	Agreement
			1	pCi/L	7.59E+03	8.53E+03	0.89	Agreement
		Cs-137	1	pCi/L	1.34E+04	1.32E+04	1.02	Agreement
			1	pCi/L	1.37E+04	1.32E+04	1.04	Agreement
			1	pCi/L	1.37E+04	1.32E+04	1.04	Agreement
	Q151GWR1 3.5 L	Mn-54	1	pCi/L	7.38E+03	6.65E+03	1.11	Agreement
			1	pCi/L	7.32E+03	6.65E+03	1.10	Agreement
			1	pCi/L	7.40E+03	6.65E+03	1.11	Agreement
		Co-57	1	pCi/L	5.14E+03	4.87E+03	1.05	Agreement
			1	pCi/L	5.01E+03	4.87E+03	1.03	Agreement
			1	pCi/L	5.17E+03	4.87E+03	1.06	Agreement
		Fe-59	1	pCi/L	8.12E+03	7.41E+03	1.10	Agreement
			1	pCi/L	8.15E+03	7.41E+03	1.10	Agreement
			1	pCi/L	8.12E+03	7.41E+03	1.10	Agreement
	Q151GWR1 3.5 L	Co-60	1	pCi/L	6.41E+03	6.14E+03	1.04	Agreement
			1	pCi/L	6.42E+03	6.14E+03	1.05	Agreement
			1	pCi/L	6.41E+03	6.14E+03	1.04	Agreement
		Cs-134	1	pCi/L	8.09E+03	8.53E+03	0.95	Agreement
			1	pCi/L	8.01E+03	8.53E+03	0.94	Agreement
			1	pCi/L	8.15E+03	8.53E+03	0.96	Agreement
		Cs-137	1	pCi/L	1.42E+04	1.32E+04	1.08	Agreement
			1	pCi/L	1.41E+04	1.32E+04	1.07	Agreement
			1	pCi/L	1.42E+04	1.32E+04	1.08	Agreement



## TABLE 4.0-A (Cont.)

Sample	Sample ID	Nuclide	Quarter	Units	EnRad Value	GO Value	EnRad/GO Ratio	Evaluation
Gamma in Water	Q153GWR 1.0 L	Mn-54	3	pCi/L	8.38E+03	7.79E+03	1.08	Agreement
			3	pCi/L	8.43E+03	7.79E+03	1.08	Agreement
			3	pCi/L	8.48E+03	7.79E+03	1.09	Agreement
		Co-57	3	pCi/L	1.05E+04	1.05E+04	1.00	Agreement
			3	pCi/L	1.06E+04	1.05E+04	1.01	Agreement
			3	pCi/L	1.06E+04	1.05E+04	1.01	Agreement
		Fe-59	3	pCi/L	2.65E+04	2.40E+04	1.10	Agreement
			3	pCi/L	2.69E+04	2.40E+04	1.12	Agreement
			3	pCi/L	2.69E+04	2.40E+04	1.12	Agreement
		Co-60	3	pCi/L	1.24E+04	1.22E+04	1.02	Agreement
			3	pCi/L	1.25E+04	1.22E+04	1.02	Agreement
			3	pCi/L	1.26E+04	1.22E+04	1.03	Agreement
		Zn-65	3	pCi/L	1.89E+04	1.74E+04	1.09	Agreement
			3	pCi/L	1.91E+04	1.74E+04	1.10	Agreement
			3	pCi/L	1.92E+04	1.74E+04	1.10	Agreement
		Y-88	3	pCi/L	8.62E+03	8.86E+03	0.97	Agreement
			3	pCi/L	8.81E+03	8.86E+03	0.99	Agreement
			3	pCi/L	8.89E+03	8.86E+03	1.00	Agreement
		Sn-113	3	pCi/L	1.35E+04	1.31E+04	1.03	Agreement
			3	pCi/L	1.36E+04	1.31E+04	1.04	Agreement
			3	pCi/L	1.34E+04	1.31E+04	1.03	Agreement
		Cs-134	3	pCi/L	6.29E+03	6.91E+03	0.91	Agreement
			3	pCi/L	6.29E+03	6.91E+03	0.91	Agreement
			3	pCi/L	6.37E+03	6.91E+03	0.92	Agreement
		Cs-137	3	pCi/L	1.22E+04	1.17E+04	1.05	Agreement
			3	pCi/L	1.22E+04	1.17E+04	1.05	Agreement
			3	pCi/L	1.22E+04	1.17E+04	1.05	Agreement

## TABLE 4.0-A (Cont.)

Sample	Sample ID	Nuclide	Quarter	Units	EnRad Value	GO Value	EnRad/GO Ratio	Evaluation
Gamma in Water	Q153GWR 3.5 L	Mn-54	3	pCi/L	8.47E+03	7.79E+03	1.09	Agreement
			3	pCi/L	8.56E+03	7.79E+03	1.10	Agreement
			3	pCi/L	8.47E+03	7.79E+03	1.09	Agreement
		Co-57	3	pCi/L	1.07E+04	1.05E+04	1.02	Agreement
			3	pCi/L	1.09E+04	1.05E+04	1.04	Agreement
			3	pCi/L	1.07E+04	1.05E+04	1.02	Agreement
		Fe-59	3	pCi/L	2.66E+04	2.40E+04	1.11	Agreement
			3	pCi/L	2.67E+04	2.40E+04	1.11	Agreement
			3	pCi/L	2.66E+04	2.40E+04	1.11	Agreement
		Co-60	3	pCi/L	1.27E+04	1.22E+04	1.04	Agreement
			3	pCi/L	1.28E+04	1.22E+04	1.05	Agreement
			3	pCi/L	1.27E+04	1.22E+04	1.04	Agreement
		Zn-65	3	pCi/L	1.90E+04	1.74E+04	1.09	Agreement
			3	pCi/L	1.92E+04	1.74E+04	1.10	Agreement
			3	pCi/L	1.90E+04	1.74E+04	1.09	Agreement
		Y-88	3	pCi/L	8.93E+03	8.86E+03	1.01	Agreement
			3	pCi/L	8.96E+03	8.86E+03	1.01	Agreement
			3	pCi/L	9.00E+03	8.86E+03	1.02	Agreement
		Sn-113	3	pCi/L	1.38E+04	1.31E+04	1.06	Agreement
			3	pCi/L	1.40E+04	1.31E+04	1.07	Agreement
			3	pCi/L	1.38E+04	1.31E+04	1.06	Agreement
		Cs-134	3	pCi/L	6.53E+03	6.91E+03	0.94	Agreement
			3	pCi/L	6.58E+03	6.91E+03	0.95	Agreement
			3	pCi/L	6.55E+03	6.91E+03	0.95	Agreement
		Cs-137	3	pCi/L	1.23E+04	1.17E+04	1.05	Agreement
			3	pCi/L	1.24E+04	1.17E+04	1.06	Agreement
			3	pCi/L	1.23E+04	1.17E+04	1.05	Agreement

# TABLE 4.0-B

## ECKERT & ZIEGLER ANALYTICS

### CROSS CHECK PROGRAM

#### 2015 Cross Check Results for EnRad Laboratories

Interlaboratory Cross check samples are received, prepared, and analyzed in all four quarters of 2015. 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). Seventy-three environmental results were reported, of which 70 (95.9%) met the acceptance criteria based on IP 84750.

Sample	Sample ID	Nuclide	Quarter	Units	EnRad Value	EZA Value	EnRad/EZA Ratio	Evaluation
Gamma in Filter	E11279	Ce-141	3	pCi	87.6	84.9	1.03	Agreement
		Cr-51	3	pCi	218	215	1.02	Agreement
		Cs-134	3	pCi	83.6	84.4	0.99	Agreement
		Cs-137	3	pCi	102	102	1.00	Agreement
		Co-58	3	pCi	108	105	1.03	Agreement
		Mn-54	3	pCi	113	116	0.98	Agreement
		Fe-59	3	pCi	93	89.9	1.03	Agreement
		Zn-65	3	pCi	141	141	1.00	Agreement
		Co-60	3	pCi	133	132	1.01	Agreement



## TABLE 4.0-B (Cont.)

Sample	Sample ID	Nuclide	Quarter	Units	EnRad Value	EZA Value	EnRad/EZA Ratio	Evaluation
Gross Beta	E11281	Gross Beta	3	pCi	205	216	0.95	Agreement
Filter	E11411	Gross Beta	4	pCi	256	240	1.07	Agreement
Gross Beta	E11249	Cs-137	2	pCi/L	259	248	1.04	Agreement
in Water	E11407	Cs-137	4	pCi/L	242	247	0.98	Agreement
I-131 Charcoal	E11172	I-131	1	pCi	82.0	78.4	1.05	Agreement
Cartridge	E11278	I-131	3	pCi	81.5	81.4	1.00	Agreement
LLI-131 in	E11248	I-131	2	pCi/L	67.8	98.4	0.69	Non-Agreement*
Water	E11337	I-131	3	pCi/L	58.5	96.5	0.61	Non-Agreement**
LLI-131 in Milk	E11171	I-131	1	pCi/L	98.3	99.0	0.99	Agreement
Tritium in Water	E11252	H-3	2	pCi/L	13,100	13,000	1.01	Agreement
Gamma in Vegetation (Coffee Grounds)	E11250	Cr-51	2	pCi/g	0.430	0.474	0.91	Agreement
		Cs-134	2	pCi/g	0.230	0.279	0.82	Agreement
		Cs-137	2	pCi/g	0.170	0.215	0.79	Non-Agreement***
		Co-58	2	pCi/g	0.100	0.117	0.85	Agreement
		Mn-54	2	pCi/g	0.150	0.173	0.87	Agreement
		Fe-59	2	pCi/g	0.260	0.260	1.00	Agreement
		Zn-65	2	pCi/g	0.400	0.427	0.94	Agreement
		Co-60	2	pCi/g	0.300	0.331	0.91	Agreement
Gamma in Vegetation (Coffee Grounds)	E11335	Ce-141	3	pCi/g	0.307	0.312	0.98	Agreement
		Cr-51	3	pCi/g	0.819	0.788	1.04	Agreement
		Cs-134	3	pCi/g	0.272	0.310	0.88	Agreement
		Cs-137	3	pCi/g	0.383	0.373	1.03	Agreement
		Co-58	3	pCi/g	0.389	0.385	1.01	Agreement
		Mn-54	3	pCi/g	0.449	0.425	1.06	Agreement
		Fe-59	3	pCi/g	0.361	0.331	1.09	Agreement
		Zn-65	3	pCi/g	0.561	0.517	1.08	Agreement
		Co-60	3	pCi/g	0.493	0.483	1.02	Agreement

\* NCR # 01937710

\*\*NCR # 01967544

\*\*\*NCR # 01939292

## TABLE 4.0-B (Cont.)

Sample	Sample ID	Nuclide	Quarter	Units	EnRad Value	EZA Value	EnRad/EZA Ratio	Evaluation
Gamma in Composite Filter	E11280	Ce-141	3	pCi	141	140	1.01	Agreement
		Cr-51	3	pCi	370	353	1.05	Agreement
		Cs-134	3	pCi	136	139	0.98	Agreement
		Cs-137	3	pCi	164	167	0.98	Agreement
		Co-58	3	pCi	167	172	0.97	Agreement
		Mn-54	3	pCi	195	190	1.03	Agreement
		Fe-59	3	pCi	179	148	1.21	Agreement
		Zn-65	3	pCi	224	232	0.97	Agreement
		Co-60	3	pCi	213	216	0.99	Agreement
Gamma in Water	E11282	I-131	3	pCi/L	94.6	96.7	0.98	Agreement
		Ce-141	3	pCi/L	196	199	0.99	Agreement
		Cr-51	3	pCi/L	508	502	1.01	Agreement
		Cs-134	3	pCi/L	176	198	0.89	Agreement
		Cs-137	3	pCi/L	237	238	1.00	Agreement
		Co-58	3	pCi/L	240	246	0.98	Agreement
		Mn-54	3	pCi/L	286	271	1.06	Agreement
		Fe-59	3	pCi/L	229	211	1.09	Agreement
		Zn-65	3	pCi/L	353	330	1.07	Agreement
Gamma in Milk	E11170	Co-60	3	pCi/L	314	308	1.02	Agreement
		I-131	1	pCi/L	97.9	97.5	1.00	Agreement
		Ce-141	1	pCi/L	221	211	1.05	Agreement
		Cr-51	1	pCi/L	607	555	1.09	Agreement
		Cs-134	1	pCi/L	181	191	0.95	Agreement
		Cs-137	1	pCi/L	266	253	1.05	Agreement
		Co-58	1	pCi/L	285	272	1.05	Agreement
		Mn-54	1	pCi/L	262	240	1.09	Agreement
		Fe-59	1	pCi/L	334	295	1.13	Agreement
Gamma in Soil	E11251	Zn-65	1	pCi/L	509	453	1.12	Agreement
		Co-60	1	pCi/L	527	498	1.06	Agreement
		Cr-51	2	pCi/g	0.460	0.482	0.95	Agreement
		Cs-134	2	pCi/g	0.260	0.284	0.91	Agreement
		Cs-137	2	pCi/g	0.270	0.298	0.91	Agreement
		Co-58	2	pCi/g	0.110	0.119	0.92	Agreement
		Mn-54	2	pCi/g	0.170	0.176	0.97	Agreement
		Fe-59	2	pCi/g	0.260	0.264	0.98	Agreement
		Zn-65	2	pCi/g	0.430	0.434	0.99	Agreement
		Co-60	2	pCi/g	0.300	0.336	0.89	Agreement

# TABLE 4.0-C

## ENVIRONMENTAL RESOURCE ASSOCIATES (ERA)

### PROFICIENCY TESTING

#### 2015 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 2015. 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	Rad-101	Ba-133	2	pCi/L	75.5	82.5	69.3 - 90.8	Agreement
Emitters in		Cs-134	2	pCi/L	69.0	75.7	61.8-83.3	Agreement
Water		Cs-137	2	pCi/L	188.0	189.0	170 - 210	Agreement
		Co-60	2	pCi/L	81.1	84.5	76.0 - 95.3	Agreement
		Zn-65	2	pCi/L	219.0	203.0	183 - 238	Agreement
Gamma	Rad -103	Ba-133	4	pCi/L	29.6	32.5	25.9 - 36.7	Agreement
Emitters in		Cs-134	4	pCi/L	54.0	62.3	50.6 - 68.5	Agreement
Water		Cs-137	4	pCi/L	160	157	141 -175	Agreement
		Co-60	4	pCi/L	71.2	71.1	64.0 - 80.7	Agreement
		Zn-65	4	pCi/L	141	126	113 -149	Agreement
Tritium in	Rad -101	H-3	2	pCi/L	3180	3280	2770-3620	Agreement
Water	Rad -103	H-3	4	pCi/L	20600	21300	18700-23400	Agreement
Iodine-131	Rad -101	I-131	2	pCi/L	23.3	23.8	19.7 - 28.3	Agreement
in Water	Rad -103	I-131	4	pCi/L	25.4	26.3	21.9 - 31.0	Agreement



# TABLE 4.0-D

## ECKERT & ZIEGLER ANALYTICS

### CROSS CHECK PROGRAM

#### 2015 Cross Check Results for BSEP Laboratories

Sample	Nuclide	Quarter	Units	BSEP Value	EZA Value	BSEP/EZ A Ratio	Evaluation
<b>Tritium in Water</b>	H-3	1 <sup>st</sup>	μCi/cc	1.59E-03	1.50E-03	1.06	Agreement
A30494 1Q							
A31045 3Q		3 <sup>rd</sup>	μCi/cc	9.40E-04	9.01E-04	1.04	Agreement
<b>Gamma Solid</b>	Ce-141	3 <sup>rd</sup>	μCi	2.81E-02	2.96E-02	0.95	Agreement
A31044 3Q		4 <sup>th</sup>	μCi	3.41E-02	3.42E-02	1.00	Agreement
	Cr-51	3 <sup>rd</sup>	μCi	8.88E-02	8.26E-02	1.07	Agreement
A31266 4Q		4 <sup>th</sup>	μCi	8.65E-02	8.25E-02	1.05	Agreement
	Cs-134	3 <sup>rd</sup>	μCi	1.58E-02	1.70E-02	0.93	Agreement
		4 <sup>th</sup>	μCi	2.47E-02	2.45E-02	1.01	Agreement
	Cs-137	3 <sup>rd</sup>	μCi	2.03E-02	1.99E-02	1.02	Agreement
		4 <sup>th</sup>	μCi	1.75E-02	1.72E-02	1.02	Agreement
	Co-58	3 <sup>rd</sup>	μCi	2.69E-02	2.68E-02	1.01	Agreement
		4 <sup>th</sup>	μCi	2.18E-02	2.14E-02	1.02	Agreement
	Mn-54	3 <sup>rd</sup>	μCi	2.56E-02	2.41E-02	1.06	Agreement
		4 <sup>th</sup>	μCi	2.47E-02	2.29E-02	1.07	Agreement
	Fe-59	3 <sup>rd</sup>	μCi	2.81E-02	2.68E-02	1.05	Agreement
		4 <sup>th</sup>	μCi	2.69E-02	2.45E-02	1.10	Agreement
	Zn-65	3 <sup>rd</sup>	μCi	3.18E-02	2.98E-02	1.07	Agreement
		4 <sup>th</sup>	μCi	4.24E-02	4.00E-02	1.06	Agreement
	Co-60	3 <sup>rd</sup>	μCi	2.70E-02	2.60E-02	1.04	Agreement
		4 <sup>th</sup>	μCi	3.20E-02	3.22E-02	0.99	Agreement

Other BSEP Interlaboratory Cross Check Program Results from 2015 will be supplied upon request.

**TABLE 4.0-E**

**2015 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
<b>HDT in Soil</b>							Agreement
MAPEP-15-MaS32	Fe-55	2 <sup>nd</sup>	Bq/Kg	330	205	Sens. Eval.	Agreement
(2Q 2015)		4 <sup>th</sup>	Bq/kg	557	555	389 - 722	Agreement
MAPEP-15-MaS33	Sr-90	2 <sup>nd</sup>	Bq/Kg	601.00	653	457 - 849	Agreement
(4Q 2015)		4 <sup>th</sup>	Bq/kg	403	425	298 - 553	Agreement
<b>Gamma in Soil</b>	Am-241	2 <sup>nd</sup>	Bq/Kg	97.0	68.0	68 - 126	Agreement
		4 <sup>th</sup>	Bq/Kg	61.7	49.5	34.7 - 64.4	Warning
	Co-57	2 <sup>nd</sup>	Bq/Kg	0.369		False Pos Test	Agreement
		4 <sup>th</sup>	Bq/Kg	1240.0	1180	826 - 1534	Agreement
MAPEP-15-MaS32	Cs-134	2 <sup>nd</sup>	Bq/Kg	639	678	475 - 881	Agreement
(2Q 2015)		4 <sup>th</sup>	Bq/Kg	933	1010	707 - 1313	Agreement
	Cs-137	2 <sup>nd</sup>	Bq/Kg	-0.279		False Pos Test	Agreement
		4 <sup>th</sup>	Bq/Kg	861.00	809	566 - 1052	Agreement
	Mn-54	2 <sup>nd</sup>	Bq/Kg	1280	1198	839 - 1557	Agreement
MAPEP-15-MaS33		4 <sup>th</sup>	Bq/Kg	1450	1340	938 - 1742	Agreement
(4Q 2015)	Zn-65	2 <sup>nd</sup>	Bq/Kg	1190.0	1064	745 - 1383	Agreement
		4 <sup>th</sup>	Bq/Kg	761.0	662	463 - 861	Agreement
	Co-60	2 <sup>nd</sup>	Bq/Kg	852	817	572 - 1062	Agreement
		4 <sup>th</sup>	Bq/Kg	2.45	1.30	Sens. Eval.	Agreement
	K-40	2 <sup>nd</sup>	Bq/Kg	684	622	435 - 809	Agreement
		4 <sup>th</sup>	Bq/Kg	687	599	419 - 779	Agreement

**Note:** \* HTD refers to Hard-to-detect radionuclides

## TABLE 4.0-E (Cont.)

Sample	Nuclide	Quarter	Units	GEL Value	Known Value	Acceptance Range/Ratio	Evaluation
Gamma in Water	Ce-141	4 <sup>th</sup>	pCi/L	302	284	1.06	Agreement
		1 <sup>st</sup>	pCi/L	140	139	1.01	Agreement
EZA 4Q 2014	E11060	2 <sup>nd</sup>	pCi/L	1.24E-01	Not Pres.		Agreement
		3 <sup>rd</sup>	pCi/L	205	199	1.03	Agreement
		4 <sup>th</sup>	pCi/L	127	112	1.14	Agreement
		4 <sup>th</sup>	pCi/L	543	526	1.03	Agreement
	Cr-51	1 <sup>st</sup>	pCi/L	395	366	1.08	Agreement
		2 <sup>nd</sup>	pCi/L	347	293	1.18	Agreement
		3 <sup>rd</sup>	pCi/L	542	502	1.08	Agreement
		4 <sup>th</sup>	pCi/L	260	244	1.07	Agreement
EZA 1Q 2015	E11177	4 <sup>th</sup>	pCi/L	190	213	0.89	Agreement
		1 <sup>st</sup>	pCi/L	112	126	0.89	Agreement
		2 <sup>nd</sup>	pCi/L	163	173	0.94	Agreement
		3 <sup>rd</sup>	pCi/L	175	198	0.89	Agreement
	Cs-134	4 <sup>th</sup>	pCi/L	125	139	0.90	Agreement
		4 <sup>th</sup>	pCi/L	258	257	1.01	Agreement
		1 <sup>st</sup>	pCi/L	169	167	1.01	Agreement
		2 <sup>nd</sup>	pCi/L	134	133	1.01	Agreement
EZA 2Q 2015	E11219	3 <sup>rd</sup>	pCi/L	240	238	1.01	Agreement
		4 <sup>th</sup>	pCi/L	112	99.5	1.13	Agreement
		4 <sup>th</sup>	pCi/L	173	168	1.03	Agreement
		1 <sup>st</sup>	pCi/L	178	180	0.99	Agreement
	Co-58	2 <sup>nd</sup>	pCi/L	72.1	72.6	0.99	Agreement
		3 <sup>rd</sup>	pCi/L	245	246	1.00	Agreement
		4 <sup>th</sup>	pCi/L	97.3	95.6	1.02	Agreement
		4 <sup>th</sup>	pCi/L	306	292	1.05	Agreement
EZA 3Q 2015	E11313	1 <sup>st</sup>	pCi/L	166	159	1.05	Agreement
		2 <sup>nd</sup>	pCi/L	117	107	1.10	Agreement
		3 <sup>rd</sup>	pCi/L	288	271	1.06	Agreement
		4 <sup>th</sup>	pCi/L	141	126	1.12	Agreement
	Fe-59	4 <sup>th</sup>	pCi/L	251	226	1.11	Agreement
		1 <sup>st</sup>	pCi/L	214	195	1.10	Agreement
		2 <sup>nd</sup>	pCi/L	176	161	1.09	Agreement
		3 <sup>rd</sup>	pCi/L	231	211	1.10	Agreement
	EZA 4Q 2015	4 <sup>th</sup>	pCi/L	111	93.4	1.19	Agreement
		4 <sup>th</sup>	pCi/L	420	384	1.09	Agreement
		1 <sup>st</sup>	pCi/L	325	299	1.09	Agreement
		2 <sup>nd</sup>	pCi/L	285	264	1.08	Agreement
	E11415	3 <sup>rd</sup>	pCi/L	375	330	1.14	Agreement
		4 <sup>th</sup>	pCi/L	243	215	1.13	Agreement
		4 <sup>th</sup>	pCi/L	324	304	1.06	Agreement
		1 <sup>st</sup>	pCi/L	323	328	0.98	Agreement
	Co-60	2 <sup>nd</sup>	pCi/L	210	205	1.03	Agreement
		3 <sup>rd</sup>	pCi/L	311	308	1.01	Agreement
		4 <sup>th</sup>	pCi/L	192	185	1.04	Agreement



## TABLE 4.0-E (Cont.)

Sample	Nuclide	Quarter	Units	GEL Value	Known Value	Acceptance Range/Ratio	Evaluation
<b>Tritium in Water</b>							
MAPEP-15-GrW32	H-3	2 <sup>nd</sup>	Bq/L	633	563	394 - 732	Agreement
(2Q 2015)							
MAPEP-15-MaW33	H-3	4 <sup>th</sup>	Bq/L	212	216	151 - 281	Agreement
(4Q 2015)							
<b>I-131 in Water with EZA</b>							
4Q 2014 E11060	I-131	4 <sup>th</sup>	pCi/L	111	95.3	1.16	Agreement
1Q 2015 E11177	I-131	1 <sup>st</sup>	pCi/L	99.2	96.7	1.03	Agreement
2Q 2015 E11219	I-131	2 <sup>nd</sup>	pCi/L	95.3	93.4	1.02	Agreement
3Q 2015 E11313	I-131	3 <sup>rd</sup>	pCi/L	100	96.7	1.03	Agreement
4Q 2015 E11415	I-131	4 <sup>th</sup>	pCi/L	105	92.6	1.13	Agreement

Other GEL 2015 Annual Environmental Quality Assurance Report results will be supplied upon request.

# TABLE 4.0-F

## 2015 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 2015						2nd Quarter 2015					
TLD	Reported	Delivered	Bias	Pass/Fail		TLD	Reported	Delivered	Bias	Pass/Fail	
Number	(mR)	(mR)	(% diff)	Criteria	Pass/Fail	Number	(mR)	(mR)	(% diff)	Criteria	Pass/Fail
102480	75.35	70.21	7.32	<+/-15%	Pass	102723	18.37	21.52	-14.64	<+/-15%	Pass
102376	72.44	70.21	3.18	<+/-15%	Pass	103394	19.49	21.52	-9.43	<+/-15%	Pass
102444	73.21	70.21	4.27	<+/-15%	Pass	103058	19.49	21.52	-9.43	<+/-15%	Pass
103070	78.11	70.21	11.25	<+/-15%	Pass	103120	19.83	21.52	-7.85	<+/-15%	Pass
102008	77.96	70.21	11.04	<+/-15%	Pass	103419	19.34	21.52	-10.13	<+/-15%	Pass
Average Bias (B)			7.41			Average Bias (B)			-10.30		
Standard Deviation (S)			3.73			Standard Deviation (S)			2.57		
Measure Performance  B +S			11.14	<15%	Pass	Measure Performance  B +S			12.86	<15%	Pass
3rd Quarter 2015						4th Quarter 2015					
TLD	Reported	Delivered	Bias	Pass/Fail		TLD	Reported	Delivered	Bias	Pass/Fail	
Number	(mR)	(mR)	(% diff)	Criteria	Pass/Fail	Number	(mR)	(mR)	(% diff)	Criteria	Pass/Fail
103243	20.29	18.7	8.68	<+/-15%	Pass	102869	72.88	66.9	8.91	<+/-15%	Pass
103294	20.64	18.7	10.55	<+/-15%	Pass	102239	71.35	66.9	6.62	<+/-15%	Pass
100502	19.30	18.7	3.37	<+/-15%	Pass	101338	72.24	66.9	7.95	<+/-15%	Pass
100025	19.51	18.7	4.50	<+/-15%	Pass	100372	69.80	66.9	4.30	<+/-15%	Pass
102816	21.91	18.7	17.35	<+/-15%	Fail	100357	70.90	66.9	5.95	<+/-15%	Pass
Average Bias (B)			8.89			Average Bias (B)			6.75		
Standard Deviation (S)			5.57			Standard Deviation (S)			1.78		
Measure Performance  B +S			14.46	<15%	Pass	Measure Performance  B +S			8.53	<15%	Pass

Fail - refer to NCR # 02012855

# 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 2015						2nd Quarter 2015					
TLD Number	Reported (mR)	Delivered (mR)	Bias (% diff)	Pass/Fail Criteria	Pass/Fail	TLD Number	Reported (mR)	Delivered (mR)	Bias (% diff)	Pass/Fail Criteria	Pass/Fail
103012	30.82	30.0	2.73	<+/-15%	Pass	100193	22.07	21.8	1.24	<+/-15%	Pass
103524	31.64	30.0	5.47	<+/-15%	Pass	101191	21.06	21.8	-3.39	<+/-15%	Pass
102769	32.31	30.0	7.70	<+/-15%	Pass	101201	21.74	21.8	-0.28	<+/-15%	Pass
103754	31.29	30.0	4.30	<+/-15%	Pass	100158	21.94	21.8	0.64	<+/-15%	Pass
102798	30.86	30.0	2.87	<+/-15%	Pass	101319	21.99	21.8	0.87	<+/-15%	Pass
103737	31.50	30.0	5.00	<+/-15%	Pass	101183	22.46	21.8	3.03	<+/-15%	Pass
102985	32.05	30.0	6.83	<+/-15%	Pass	101330	21.40	21.8	-1.83	<+/-15%	Pass
102108	29.99	30.0	-0.03	<+/-15%	Pass	100351	22.36	21.8	2.57	<+/-15%	Pass
102867	31.00	30.0	3.33	<+/-15%	Pass	101038	22.36	21.8	2.57	<+/-15%	Pass
103500	31.61	30.0	5.37	<+/-15%	Pass		22.49	21.8	3.17	<+/-15%	Pass
Average Bias (B)			4.36			Average Bias (B)			0.86		
Standard Deviation (S)			2.24			Standard Deviation (S)			2.18		
Measure Performance  B +S			6.60	<15%	Pass	Measure Performance  B +S			3.04	<15%	Pass
3rd Quarter 2015						4th Quarter 2015					
TLD Number	Reported (mR)	Delivered (mR)	Bias (% diff)	Pass/Fail Criteria	Pass/Fail	TLD Number	Reported (mR)	Delivered (mR)	Bias (% diff)	Pass/Fail Criteria	Pass/Fail
103703	48.64	43.6	11.56	<+/-15%	Pass	100057	55.76	54.5	2.31	<+/-15%	Pass
102917	46.91	43.6	7.59	<+/-15%	Pass	103022	62.04	54.5	13.83	<+/-15%	Pass
100170	44.30	43.6	1.61	<+/-15%	Pass	103254	55.74	54.5	2.28	<+/-15%	Pass
102841	46.18	43.6	5.92	<+/-15%	Pass	100154	60.56	54.5	11.12	<+/-15%	Pass
101149	43.63	43.6	0.07	<+/-15%	Pass	103256	55.71	54.5	2.22	<+/-15%	Pass
102474	44.87	43.6	2.91	<+/-15%	Pass	101225	58.10	54.5	6.61	<+/-15%	Pass
100522	46.11	43.6	5.76	<+/-15%	Pass	100799	59.79	54.5	9.71	<+/-15%	Pass
103016	48.70	43.6	11.70	<+/-15%	Pass	100417	61.06	54.5	12.04	<+/-15%	Pass
100095	46.11	43.6	5.76	<+/-15%	Pass	103683	57.37	54.5	5.27	<+/-15%	Pass
100381	42.87	43.6	-1.67	<+/-15%	Pass	102114	55.74	54.5	2.28	<+/-15%	Pass
Average Bias (B)			5.12			Average Bias (B)			6.77		
Standard Deviation (S)			4.49			Standard Deviation (S)			4.58		
Measure Performance  B +S			9.61	<15%	Pass	Measure Performance  B +S			11.34	<15%	Pass

**APPENDIX A**

**ENVIRONMENTAL SAMPLING  
&  
ANALYSIS PROCEDURES**



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# APPENDIX A

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## **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, LLC (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 2015.

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

No changes were made to the sampling procedure during 2015.

### **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, 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, 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 Perkin-Elmer 2900TR liquid scintillation system or a Perkin-Elmer 3100TR liquid scintillation system. Tritium samples are distilled and batch processed with a laboratory fortified blank, matrix spike, matrix spike duplicate, 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**

Gross beta analysis of air particulate filters using an un-attenuated (single point) filter specific calibration in a flat bottom planchet was implemented from second quarter 2015 forward (NCR # 01938255).

REMP air sampling heads and air particulate filter media were changed to standardize the vendors, sampling head, and filter size across the REMP nuclear fleet (NCR # 00726335).

Sample Manager test code "H3-BIO-MAN" was added to BSEP sample InfoMaker Data Extraction Report 27APR2015 (NCR # 745841).

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

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

Air particulate and air cartridge/air radioiodine 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 2015. 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 at 8 kilometers or greater from the site (NCR # 01962757).
- \* 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 23 and 24, 2015, and June 29 and 30, 2015. Results are shown in Tables 3.8-A and 3.8-B. No changes were made to the sampling procedures during 2015 as a result of the 2015 census.

**APPENDIX B**

**RADIOLOGICAL  
ENVIRONMENTAL MONITORING  
PROGRAM**

**SUMMARY OF RESULTS**

**2015**

**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: 2015

Medium or Pathway Sampled or Measured (Unit of Measurement)	Type and Total No. of Measurements Performed	Lower Limit of Detection (LLD) <sup>(1)</sup>	All Indicator Locations Mean <sup>(2)(3)</sup> Range <sup>(2)</sup>	Location w/Highest Annual Mean <sup>(2)</sup>		Control Locations Mean <sup>(2)(3)</sup> Range <sup>(2)</sup>	No. of Non-Routine Report Meas.
				Name, Distance, and Direction	Mean <sup>(2)(3)</sup> Range <sup>(2)</sup>		
Air Particulate (pCi/m <sup>3</sup> )	Gross Beta 364 <sup>(4)</sup>	See Table 2.2-C	1.55E-2 (260/260) 4.29E-3 – 2.85E-2	Loc. # 203 Southport Substation 2.0 miles SSW	1.58E-2 (52/52) 5.80E-3 – 2.83E-2	Loc. # 204 & 206 1.60E-2 (104/104) 4.11E-3 – 2.83E-2	0
	Gamma <sup>(5)</sup> 28	See Table 2.2-C	All less than LLD	-----	-----	All less than LLD	0
Air Radioiodine (pCi/m <sup>3</sup> )	I-131 364 <sup>(4)</sup>	See Table 2.2-C	All less than LLD	-----	-----	All less than LLD	0
Broadleaf Vegetation (pCi/kg, wet)	Gamma <sup>(4)(5)</sup> 60 Cs-137	See Table 2.2-C	All less than LLD	-----	-----	Loc. # 802 2.98E+1 (2/12) 2.23E+1 - 3.72E+1	0
Fish and Invertebrates (pCi/kg, wet)	Gamma <sup>(5)</sup> 18	See Table 2.2-C	All less than LLD	-----	-----	All less than LLD	0
	Tritium 3	4.0E+3 <sup>(8)</sup>	All less than LLD	-----	-----	No Control	0
Sediments -- Shoreline (pCi/kg, dry)	Gamma <sup>(5)</sup> 4 Cs-137	See Table 2.2-C	1.32E+2 (2/4) 1.27E+2 – 1.37E+2	Loc. # 501 Nancy's Creek adjacent to WP-55 near SDSP	1.32E+2 (2/2) 1.27E+2 – 1.37E+2	No Control <sup>(9)</sup>	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: 2015

Medium or Pathway Sampled or Measured (Unit of Measurement)	Type and Total No. of Measurements Performed	Lower Limit of Detection (LLD) <sup>(1)</sup>	All Indicator Locations Mean <sup>(2)(3)</sup> Range <sup>(2)</sup>	Location w/Highest Annual Mean <sup>(2)</sup> Name, Distance, and Direction	Mean <sup>(2)(3)</sup> Range <sup>(2)</sup>	Control Locations Mean <sup>(2)(3)</sup> Range <sup>(2)</sup>	No. of Non-Routine Report Meas.
Surface Water (pCi/l)	Gamma <sup>(5)</sup> 240	See Table 2.2-C	All less than LLD	-----	-----	All less than LLD	0
	Tritium 700	3,000 <sup>(7)</sup>	8.47E+2 (45/636) 2.03E+2 – 5.44E+3	Loc. # 604 Nancy's Creek Marsh Area WP-92	1.02E+3 (34/52) 2.53E+2 – 5.44E+3	All less than LLD	0
Ground Water (pCi/l)	Gamma <sup>(5)</sup> 26	See Table 2.2-C	All less than LLD	-----	-----	No Control	0
	Tritium 46	3,000 <sup>(7)</sup>	3.52E+2 (5/46) 2.57E+2 – 4.29E+2	Loc. # 423 (Well 24A) Near SDSP	4.02E+2 (1/6) Single Value	No Control	0
Direct Radiation (TLD) (mR per std. quarter) <sup>(6)</sup>	TLD Readout 179 <sup>(4)</sup>	-----	1.06E+1 (175/175) 6.53E+0 – 1.99E+1	Loc. # 39 5.3 miles SW	1.59E+1 (4/4) 1.33E+1 – 1.99E+1	Loc. #81 1.14E+1 (4/4) 8.80E+0 – 1.31E+1	0
Direct Radiation ISFSI (TLD - ISFSI) (mR per std. quarter) <sup>(6)</sup>	TLD Readout 16	-----	2.43E+1 (16/16) 1.60E+1 – 3.34E+1	Loc. # 85 SE Corner of ISFSI 0.09 miles ENE	2.81E+1 (4/4) 2.12E+1 – 3.34E+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  $2.50\text{E}+2$  pCi/L for samples that typically demonstrate activity less than the LLD. The LLD was lowered in order to maintain comparable LLD values with the NC Department of Health and Human Services (NCDHHS), Division of Public Health - State Lab of Public Health.
8. The tritium reporting limit for Fish per General Engineering Laboratories (GEL) is  $4.0\text{E}+3$  pCi/kilogram.
9. Shoreline Sediment background samples were collected in 2015, 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 or Air Radioiodine) 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 99.88% availability in 2015.

Location	Scheduled Collection Dates	Code	Description & Action to Prevent Recurrence	Corrective Action
205	2/10/15 – 2/17/15	PI	8.7 hrs. downtime due to power interruption caused by storm, windy conditions, and a blown fuse.	NCR # 732357
205	2/17/15 – 2/24/15	PI/BF	7.8 hrs. downtime due to blown fuse	NCR # 734506
203	5/26/15 – 6/2/15	PI	2.7 hrs. downtime due to transformer yard upgrades in Southport and service to a different pole.	NCR # 751346
201	6/15/15 – 6/23/15	PI	7.5 hrs. downtime due to thunderstorms in area and GFI outlet reset	NCR # 755458
203	6/15/15 – 6/23/15	PI/BF	6.0 hrs. downtime due to thunderstorms in area and blown fuse	NCR # 755459
205	6/15/15 – 6/23/15	PI	9.1 hrs. downtime due to thunderstorms in area and GFI outlet reset	NCR # 755460
201	6/23/15 – 6/30/15	PI	7.8 hrs. downtime due to storms in area and GFI outlet reset	NCR # 756240
201	7/7/15 – 7/14/15	PI	12.8 hrs. downtime due to thunderstorms in area and GFI outlet reset	NCR # 758799
201	8/4/15 – 8/11/15	PI	6.1 hrs. downtime due to thunderstorms in area and GFI outlet reset	NCR # 01941172
201	9/1/15 – 9/8/15	PI	2.5 hrs. downtime due to thunderstorms in area and GFI outlet reset.	NCR # 01950430
201	12/22/15 – 12/29/15	PI	2.0 hrs. downtime due to thunderstorms in area.	NCR # 01986733



## C.2 UNAVAILABLE ANALYSES

### Ground Water

Location	Scheduled Collection Dates	Code	Description & Action to Prevent Recurrence	Corrective Action
404*	4/13/15 (2 <sup>nd</sup> Qtr. 2015)	OT	Missed sample (ODCM Well ESS-1B) due to a problem with the BNP Chemistry Scheduler Computer Program.*	NCR # 748640
423*	4/13/15 (2 <sup>nd</sup> Qtr. 2015)	OT	Missed sample (ODCM Well ESS-24A) due to a problem with the BNP Chemistry Scheduler Computer Program.*	NCR # 748640
424*	4/13/15 (2 <sup>nd</sup> Qtr. 2015)	OT	Missed sample (ODCM Well ESS-24B) due to a problem with the BNP Chemistry Scheduler Computer Program.*	NCR # 748640

\* All three GW wells were sampled as soon as the missed surveillance was discovered (5/12/15) and the computer issue was resolved.

### TLD

Location	Scheduled Collection Dates	Code	Description & Action to Prevent Recurrence	Corrective Action
24	1/6/15 – 4/4/15 (1 <sup>st</sup> Qtr. 2015)	OT	TLD missing in field from pole at the time of collection (work had been done in area around pole). Area was searched but TLD could not be found.	NCR # 741873

# **APPENDIX D**

## **ANALYTICAL DEVIATIONS**

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# APPENDIX D

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## BRUNSWICK NUCLEAR PLANT

### ANALYTICAL DEVIATIONS

During an audit, it was identified that some samples processed by the EnRad laboratory using the APEX gamma counting geometry 025LMAR310 did not have the required a priori lower limit of detection (LLD) calculated prior to performing the analysis. An a posteriori LLD was calculated and all required lower limit of detections were satisfied (NCR # 02021801). The failure to calculate the a priori LLD prior to performing the analysis is an Analytical Deviation.

EnRad performed an extent of condition to assess which samples had been processed in the EnRad APEX database using the 025LMAR310 geometry. The EnRad APEX database was examined and Brunswick fish indicator location # 708 (Sample Manager [SM] ID# 394648) and shoreline sediment indicator location # 501 (SM ID # 379751), were determined to have been impacted (NCR # 02022587 and NCR # 02024652). Brunswick Steam Electric Plant (BSEP) fish (invertebrates) indicator location # 708 is located in Nancy's Creek and BSEP shoreline sediment indicator location # 501 is located in Nancy's Creek adjacent to Waypoint -55 (WP-55) near the Storm Drain Stabilization Pond (SDSP). The impacted samples were assigned SM ID # 394648 with a collection period of 29SEP2015 and SM ID # 379751 with a collection period of 12MAY2015. The APEX gamma analysis results and the a posteriori LLDs were reviewed. The a posteriori LLDs satisfied the requirements of Brunswick Steam Electric Plant (BNP) OFF-SITE DOSE CALCULATION MANUAL (ODCM). While the a priori lower limits of detection (LLD) were not calculated prior to performing the analysis, all results were valid. There were no collection discrepancies identified with this sample.

This sampling program is implemented to fulfill sampling requirements described in the Brunswick Steam Electric Plant (BNP) OFF-SITE DOSE CALCULATION MANUAL (ODCM) Section 4.0 (Radiological Environmental Monitoring Program); Sections 7.3, 7.3.15 (ODCM Specifications for Radiological Environmental Monitoring Program). Section 7.3.15, Table 7.3.15-1 Table Notations (a) and Section 7.4.1 f indicates that "Deviations are permitted from the required sampling schedule if specimens are unobtainable due to hazardous conditions, seasonal unavailability, malfunction of automatic sampling equipment, and other legitimate reasons. If specimens are unobtainable due to sampling equipment malfunction, every effort shall be made to complete corrective action prior to the end of the next sampling period. All deviations from the sampling schedule shall be documented in the Annual Radiological Environmental Operating Report." Sampling program deviations such as these are documented in the Annual Radiological Environmental Operating Report (AREOR) each year in Appendix D - Analytical Deviations (NCR # 02022587 and NCR # 02024652).

# **APPENDIX E**

## **RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM RESULTS**

### **2015**

This appendix includes sample analysis report summaries and supportive data generated from each sample medium for 2015.

## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 200 [ INDICATOR - WSW @ 1 miles ]

Sample ID:	365052	Sample Dates:	12/30/2014 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.53E-02	4.41E-03	6.06E-03
Sample ID:	365284	Sample Dates:	1/6/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.04E-02	4.49E-03	5.58E-03
Sample ID:	366640	Sample Dates:	1/13/2015 - 1/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.30E-02	4.18E-03	5.87E-03
Sample ID:	367046	Sample Dates:	1/20/2015 - 1/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.58E-02	4.07E-03	5.21E-03
Sample ID:	367531	Sample Dates:	1/27/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.37E-02	4.21E-03	5.82E-03
Sample ID:	368958	Sample Dates:	2/3/2015 - 2/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.86E-02	4.23E-03	5.13E-03
Sample ID:	369681	Sample Dates:	2/10/2015 - 2/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.87E-02	4.44E-03	5.62E-03
Sample ID:	370587	Sample Dates:	2/17/2015 - 2/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.33E-02	4.62E-03	5.37E-03
Sample ID:	371526	Sample Dates:	2/24/2015 - 3/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.65E-02	4.61E-03	6.30E-03
Sample ID:	371898	Sample Dates:	3/3/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.56E-02	4.24E-03	5.62E-03
Sample ID:	372392	Sample Dates:	3/10/2015 - 3/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.04E-02	3.93E-03	5.71E-03
Sample ID:	373807	Sample Dates:	3/17/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.19E-02	3.97E-03	5.57E-03
Sample ID:	374543	Sample Dates:	3/24/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	9.60E-03	4.12E-03	6.16E-03
Sample ID:	373814	Sample Dates:	12/30/2014 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<1.40E-03	0.00E+00	1.40E-03
				Cs-137	<1.03E-03	0.00E+00	1.03E-03
				Be-7	1.73E-01	3.31E-02	2.08E-02
				K-40	1.41E-02	8.99E-03	3.81E-03
Sample ID:	374920	Sample Dates:	3/31/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.24E-02	4.04E-03	5.62E-03
Sample ID:	375611	Sample Dates:	4/7/2015 - 4/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.26E-02	3.94E-03	5.35E-03
Sample ID:	376815	Sample Dates:	4/14/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	8.10E-03	3.76E-03	5.64E-03
Sample ID:	377477	Sample Dates:	4/21/2015 - 4/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.91E-02	4.34E-03	5.39E-03
Sample ID:	378041	Sample Dates:	4/28/2015 - 5/5/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	7.44E-03	3.90E-03	6.00E-03
Sample ID:	378441	Sample Dates:	5/5/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.04E-02	3.92E-03	5.69E-03
Sample ID:	378937	Sample Dates:	5/12/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.24E-02	3.99E-03	5.56E-03
Sample ID:	379443	Sample Dates:	5/19/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.48E-02	4.05E-03	5.32E-03





# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 200 [ INDICATOR - WSW @ 1 miles ]

Sample ID:	380167	Sample Dates:	5/26/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.04E-02	3.94E-03	5.70E-03
Sample ID:	380455	Sample Dates:	6/2/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	6.66E-03	3.69E-03	5.74E-03
Sample ID:	380787	Sample Dates:	6/9/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.86E-02	4.39E-03	5.62E-03
Sample ID:	381222	Sample Dates:	6/16/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.71E-02	4.36E-03	5.75E-03
Sample ID:	381581	Sample Dates:	6/23/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.58E-02	4.18E-03	5.48E-03
Sample ID:	381229	Sample Dates:	3/31/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<1.23E-03	0.00E+00	1.23E-03
				Cs-137	<5.45E-04	0.00E+00	5.45E-04
				Be-7	1.12E-01	2.54E-02	1.88E-02
				K-40	<2.60E-02	0.00E+00	2.60E-02
Sample ID:	382147	Sample Dates:	6/30/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.20E-02	4.19E-03	6.03E-03
Sample ID:	382573	Sample Dates:	7/7/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.70E-02	3.73E-03	4.61E-03
Sample ID:	383503	Sample Dates:	7/14/2015 - 7/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.74E-02	4.36E-03	5.69E-03
Sample ID:	384075	Sample Dates:	7/21/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.61E-02	4.23E-03	5.52E-03
Sample ID:	384625	Sample Dates:	7/28/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.98E-02	4.28E-03	5.12E-03
Sample ID:	385393	Sample Dates:	8/4/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.17E-02	4.04E-03	5.73E-03
Sample ID:	385912	Sample Dates:	8/11/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.76E-02	4.51E-03	5.98E-03
Sample ID:	386807	Sample Dates:	8/18/2015 - 8/25/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.49E-02	4.02E-03	5.23E-03
Sample ID:	387399	Sample Dates:	8/25/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.64E-02	4.19E-03	5.42E-03
Sample ID:	388727	Sample Dates:	9/1/2015 - 9/8/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.79E-02	4.16E-03	5.19E-03
Sample ID:	389392	Sample Dates:	9/8/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.52E-02	4.14E-03	5.48E-03
Sample ID:	389993	Sample Dates:	9/15/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.13E-02	4.64E-03	5.77E-03
Sample ID:	390598	Sample Dates:	9/22/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	5.81E-03	3.91E-03	6.23E-03
Sample ID:	390605	Sample Dates:	6/30/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<1.40E-03	0.00E+00	1.40E-03
				Cs-137	<1.03E-03	0.00E+00	1.03E-03
				Be-7	1.17E-01	2.76E-02	2.37E-02
				K-40	<2.48E-02	0.00E+00	2.48E-02



## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 200 [ INDICATOR - WSW @ 1 miles ]

Sample ID:	391914	Sample Dates:	9/29/2015 - 10/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	4.29E-03	2.41E-03	3.81E-03
Sample ID:	392214	Sample Dates:	10/6/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.33E-02	4.40E-03	6.28E-03
Sample ID:	393413	Sample Dates:	10/13/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.41E-02	4.57E-03	5.16E-03
Sample ID:	393819	Sample Dates:	10/20/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.77E-02	4.01E-03	4.77E-03
Sample ID:	394819	Sample Dates:	10/27/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.19E-02	4.46E-03	5.27E-03
Sample ID:	395287	Sample Dates:	11/3/2015 - 11/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.09E-02	3.96E-03	5.66E-03
Sample ID:	395612	Sample Dates:	11/10/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.87E-02	4.27E-03	5.26E-03
Sample ID:	396113	Sample Dates:	11/17/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.92E-02	4.56E-03	5.81E-03
Sample ID:	396621	Sample Dates:	11/24/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.07E-02	4.06E-03	5.90E-03
Sample ID:	397158	Sample Dates:	12/1/2015 - 12/8/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.25E-02	4.79E-03	5.90E-03
Sample ID:	397877	Sample Dates:	12/8/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.85E-02	5.01E-03	5.71E-03
Sample ID:	398274	Sample Dates:	12/15/2015 - 12/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.41E-02	4.35E-03	6.02E-03
Sample ID:	398645	Sample Dates:	12/22/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	8.62E-03	3.25E-03	4.52E-03
Sample ID:	398652	Sample Dates:	9/29/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<1.31E-03	0.00E+00	1.31E-03
				Cs-137	<7.92E-04	0.00E+00	7.92E-04
				Be-7	1.16E-01	3.03E-02	2.53E-02
				K-40	<2.49E-02	0.00E+00	2.49E-02

### Sample Point 201 [ INDICATOR - NE @ 0.5 miles ]

Sample ID:	365053	Sample Dates:	12/30/2014 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.60E-02	4.44E-03	6.05E-03
Sample ID:	365285	Sample Dates:	1/6/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.90E-02	4.40E-03	5.56E-03
Sample ID:	366641	Sample Dates:	1/13/2015 - 1/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.47E-02	4.33E-03	5.95E-03
Sample ID:	367047	Sample Dates:	1/20/2015 - 1/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.59E-02	4.16E-03	5.35E-03
Sample ID:	367532	Sample Dates:	1/27/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.36E-02	4.23E-03	5.87E-03
Sample ID:	368959	Sample Dates:	2/3/2015 - 2/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.66E-02	4.12E-03	5.18E-03
Sample ID:	369682	Sample Dates:	2/10/2015 - 2/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.62E-02	4.32E-03	5.68E-03



## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 201 [ INDICATOR - NE @ 0.5 miles ]

Sample ID:	370588	Sample Dates:	2/17/2015 - 2/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.45E-02	4.73E-03	5.43E-03
Sample ID:	371527	Sample Dates:	2/24/2015 - 3/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.86E-02	4.78E-03	6.39E-03
Sample ID:	371899	Sample Dates:	3/3/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.62E-02	4.33E-03	5.71E-03
Sample ID:	372393	Sample Dates:	3/10/2015 - 3/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	9.90E-03	3.97E-03	5.82E-03
Sample ID:	373808	Sample Dates:	3/17/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.59E-02	4.29E-03	5.68E-03
Sample ID:	374544	Sample Dates:	3/24/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.04E-02	4.21E-03	6.23E-03
Sample ID:	373815	Sample Dates:	12/30/2014 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<9.04E-04	0.00E+00	9.04E-04
				Cs-137	<8.29E-04	0.00E+00	8.29E-04
				Be-7	1.18E-01	2.64E-02	2.01E-02
				K-40	<2.20E-02	0.00E+00	2.20E-02
Sample ID:	374921	Sample Dates:	3/31/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.20E-02	4.07E-03	5.73E-03
Sample ID:	375612	Sample Dates:	4/7/2015 - 4/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.32E-02	4.02E-03	5.45E-03
Sample ID:	376816	Sample Dates:	4/14/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	5.07E-03	3.61E-03	5.77E-03
Sample ID:	377478	Sample Dates:	4/21/2015 - 4/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.48E-02	4.12E-03	5.46E-03
Sample ID:	378042	Sample Dates:	4/28/2015 - 5/5/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	5.35E-03	3.83E-03	6.14E-03
Sample ID:	378442	Sample Dates:	5/5/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.69E-02	4.38E-03	5.77E-03
Sample ID:	378938	Sample Dates:	5/12/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.23E-02	4.05E-03	5.67E-03
Sample ID:	379444	Sample Dates:	5/19/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.78E-02	4.31E-03	5.45E-03
Sample ID:	380168	Sample Dates:	5/26/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.23E-02	4.12E-03	5.80E-03
Sample ID:	380456	Sample Dates:	6/2/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	6.82E-03	3.77E-03	5.85E-03
Sample ID:	380788	Sample Dates:	6/9/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.75E-02	4.40E-03	5.76E-03
Sample ID:	381223	Sample Dates:	6/16/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.22E-02	4.88E-03	6.14E-03
Sample ID:	381582	Sample Dates:	6/23/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.35E-02	4.28E-03	5.90E-03
Sample ID:	381230	Sample Dates:	3/31/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<1.29E-03	0.00E+00	1.29E-03
				Cs-137	<1.10E-03	0.00E+00	1.10E-03
				Be-7	1.37E-01	2.92E-02	2.14E-02



**BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)**

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

Sample Point 201 [ INDICATOR - NE @ 0.5 miles ]

Sample ID:	381230	Sample Dates:	3/31/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				K-40	<2.80E-02	0.00E+00	2.80E-02
Sample ID:	382148	Sample Dates:	6/30/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.66E-02	4.44E-03	6.00E-03
Sample ID:	382574	Sample Dates:	7/7/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.61E-02	4.51E-03	6.03E-03
Sample ID:	383504	Sample Dates:	7/14/2015 - 7/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.56E-02	4.22E-03	5.63E-03
Sample ID:	384076	Sample Dates:	7/21/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.63E-02	4.22E-03	5.47E-03
Sample ID:	384626	Sample Dates:	7/28/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.63E-02	4.04E-03	5.09E-03
Sample ID:	385394	Sample Dates:	8/4/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.41E-02	4.36E-03	6.02E-03
Sample ID:	385913	Sample Dates:	8/11/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.69E-02	4.46E-03	5.96E-03
Sample ID:	386808	Sample Dates:	8/18/2015 - 8/25/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.56E-02	4.05E-03	5.21E-03
Sample ID:	387400	Sample Dates:	8/25/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.98E-02	4.38E-03	5.38E-03
Sample ID:	388728	Sample Dates:	9/1/2015 - 9/8/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.51E-02	4.02E-03	5.24E-03
Sample ID:	389393	Sample Dates:	9/8/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.94E-02	4.40E-03	5.48E-03
Sample ID:	389994	Sample Dates:	9/15/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.83E-02	4.42E-03	5.69E-03
Sample ID:	390599	Sample Dates:	9/22/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	7.42E-03	4.01E-03	6.23E-03
Sample ID:	390606	Sample Dates:	6/30/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<1.27E-03	0.00E+00	1.27E-03
				Cs-137	<8.96E-04	0.00E+00	8.96E-04
				Ba-7	1.14E-01	2.73E-02	1.86E-02
				K-40	2.46E-02	1.22E-02	3.93E-03
Sample ID:	391915	Sample Dates:	9/29/2015 - 10/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	5.98E-03	2.48E-03	3.79E-03
Sample ID:	392215	Sample Dates:	10/6/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.52E-02	4.48E-03	6.21E-03
Sample ID:	393414	Sample Dates:	10/13/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.42E-02	4.54E-03	5.12E-03
Sample ID:	393820	Sample Dates:	10/20/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.80E-02	4.03E-03	4.76E-03
Sample ID:	394820	Sample Dates:	10/27/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.83E-02	4.20E-03	5.19E-03
Sample ID:	395288	Sample Dates:	11/3/2015 - 11/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.17E-02	3.99E-03	5.61E-03
Sample ID:	395613	Sample Dates:	11/10/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.65E-02	4.10E-03	5.21E-03



**BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)**

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

Sample Point 201 [ INDICATOR - NE @ 0.5 miles ]

Sample ID:	396114	Sample Dates:	11/17/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.49E-02	4.26E-03	5.76E-03
Sample ID:	396622	Sample Dates:	11/24/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.20E-02	4.08E-03	5.80E-03
Sample ID:	397159	Sample Dates:	12/1/2015 - 12/8/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.16E-02	4.69E-03	5.83E-03
Sample ID:	397878	Sample Dates:	12/8/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.67E-02	4.89E-03	5.68E-03
Sample ID:	398275	Sample Dates:	12/15/2015 - 12/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.36E-02	4.25E-03	5.91E-03
Sample ID:	398646	Sample Dates:	12/22/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	8.19E-03	3.24E-03	4.55E-03
Sample ID:	398653	Sample Dates:	9/29/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<1.40E-03	0.00E+00	1.40E-03
				Cs-137	<1.18E-03	0.00E+00	1.18E-03
				Be-7	1.28E-01	3.02E-02	2.02E-02
				K-40	<2.75E-02	0.00E+00	2.75E-02

**Sample Point 202 [ INDICATOR - S @ 1 miles ]**

Sample ID:	365054	Sample Dates:	12/30/2014 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.84E-02	4.42E-03	5.77E-03
Sample ID:	365286	Sample Dates:	1/6/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.61E-02	4.08E-03	5.30E-03
Sample ID:	366642	Sample Dates:	1/13/2015 - 1/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.68E-02	4.25E-03	5.59E-03
Sample ID:	367048	Sample Dates:	1/20/2015 - 1/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.47E-02	3.86E-03	4.98E-03
Sample ID:	367533	Sample Dates:	1/27/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.30E-02	3.97E-03	5.45E-03
Sample ID:	368960	Sample Dates:	2/3/2015 - 2/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.29E-02	4.39E-03	4.98E-03
Sample ID:	369683	Sample Dates:	2/10/2015 - 2/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.30E-02	3.92E-03	5.31E-03
Sample ID:	370589	Sample Dates:	2/17/2015 - 2/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.22E-02	4.38E-03	5.09E-03
Sample ID:	371528	Sample Dates:	2/24/2015 - 3/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.86E-02	4.50E-03	5.93E-03
Sample ID:	371900	Sample Dates:	3/3/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.64E-02	4.08E-03	5.26E-03
Sample ID:	372394	Sample Dates:	3/10/2015 - 3/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	9.12E-03	3.65E-03	5.36E-03
Sample ID:	373809	Sample Dates:	3/17/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.31E-02	3.87E-03	5.25E-03
Sample ID:	374545	Sample Dates:	3/24/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.03E-02	3.95E-03	5.79E-03
Sample ID:	373816	Sample Dates:	12/30/2014 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<8.47E-04	0.00E+00	8.47E-04





## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 202 [ INDICATOR - S @ 1 miles ]

Sample ID: 373816	Sample Dates: 12/30/2014 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-137	<1.14E-03	0.00E+00	1.14E-03
		Be-7	1.46E-01	2.82E-02	1.54E-02
		K-40	<1.95E-02	0.00E+00	1.95E-02
Sample ID: 374922	Sample Dates: 3/31/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	9.89E-03	3.67E-03	5.27E-03
Sample ID: 375613	Sample Dates: 4/7/2015 - 4/14/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	1.20E-02	3.79E-03	5.20E-03
Sample ID: 376817	Sample Dates: 4/14/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	6.93E-03	3.57E-03	5.47E-03
Sample ID: 377479	Sample Dates: 4/21/2015 - 4/28/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	1.47E-02	4.00E-03	5.27E-03
Sample ID: 378043	Sample Dates: 4/28/2015 - 5/5/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	5.39E-03	3.67E-03	5.85E-03
Sample ID: 378443	Sample Dates: 5/5/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	1.54E-02	4.17E-03	5.56E-03
Sample ID: 378939	Sample Dates: 5/12/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	1.88E-02	4.30E-03	5.41E-03
Sample ID: 379445	Sample Dates: 5/19/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	1.75E-02	4.12E-03	5.15E-03
Sample ID: 380169	Sample Dates: 5/26/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	8.80E-03	3.73E-03	5.53E-03
Sample ID: 380457	Sample Dates: 6/2/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	6.88E-03	3.60E-03	5.54E-03
Sample ID: 380789	Sample Dates: 6/9/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	2.14E-02	4.44E-03	5.44E-03
Sample ID: 381224	Sample Dates: 6/16/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	1.85E-02	4.32E-03	5.56E-03
Sample ID: 381583	Sample Dates: 6/23/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	1.26E-02	3.89E-03	5.33E-03
Sample ID: 381231	Sample Dates: 3/31/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-134	<9.78E-04	0.00E+00	9.78E-04
		Cs-137	<9.40E-04	0.00E+00	9.40E-04
		Be-7	1.47E-01	2.95E-02	2.11E-02
		K-40	<2.68E-02	0.00E+00	2.68E-02
Sample ID: 382149	Sample Dates: 6/30/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	1.34E-02	4.13E-03	5.78E-03
Sample ID: 382575	Sample Dates: 7/7/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	1.56E-02	4.06E-03	5.32E-03
Sample ID: 383505	Sample Dates: 7/14/2015 - 7/21/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	1.74E-02	4.19E-03	5.40E-03
Sample ID: 384077	Sample Dates: 7/21/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	1.63E-02	4.08E-03	5.23E-03
Sample ID: 384627	Sample Dates: 7/28/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	1.66E-02	3.93E-03	4.87E-03
Sample ID: 385395	Sample Dates: 8/4/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	1.09E-02	3.84E-03	5.47E-03



## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 202 [ INDICATOR - S @ 1 miles ]

Sample ID:	385914	Sample Dates:	8/11/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.76E-02	4.36E-03	5.72E-03
Sample ID:	386809	Sample Dates:	8/18/2015 - 8/25/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.79E-02	4.07E-03	5.00E-03
Sample ID:	387401	Sample Dates:	8/25/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.90E-02	4.21E-03	5.19E-03
Sample ID:	388729	Sample Dates:	9/1/2015 - 9/8/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.00E-02	4.16E-03	4.99E-03
Sample ID:	389394	Sample Dates:	9/8/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.54E-02	4.06E-03	5.31E-03
Sample ID:	389995	Sample Dates:	9/15/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.05E-02	4.45E-03	5.52E-03
Sample ID:	390600	Sample Dates:	9/22/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	6.34E-03	3.81E-03	6.00E-03
Sample ID:	390607	Sample Dates:	6/30/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<8.69E-04	0.00E+00	8.69E-04
				Cs-137	<7.91E-04	0.00E+00	7.91E-04
				Be-7	1.07E-01	2.73E-02	2.56E-02
				K-40	1.82E-02	1.08E-02	1.06E-02
Sample ID:	391916	Sample Dates:	9/29/2015 - 10/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	5.92E-03	2.41E-03	3.68E-03
Sample ID:	392216	Sample Dates:	10/6/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.73E-02	4.53E-03	6.09E-03
Sample ID:	393415	Sample Dates:	10/13/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.82E-02	4.71E-03	5.02E-03
Sample ID:	393821	Sample Dates:	10/20/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.07E-02	4.11E-03	4.62E-03
Sample ID:	394821	Sample Dates:	10/27/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.62E-02	4.01E-03	5.10E-03
Sample ID:	395289	Sample Dates:	11/3/2015 - 11/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.46E-02	4.09E-03	5.48E-03
Sample ID:	395614	Sample Dates:	11/10/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.58E-02	4.63E-03	5.18E-03
Sample ID:	396115	Sample Dates:	11/17/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.78E-02	4.36E-03	5.62E-03
Sample ID:	396623	Sample Dates:	11/24/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.08E-02	3.98E-03	5.74E-03
Sample ID:	397160	Sample Dates:	12/1/2015 - 12/8/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.39E-02	4.76E-03	5.72E-03
Sample ID:	397879	Sample Dates:	12/8/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.75E-02	4.86E-03	5.54E-03
Sample ID:	398276	Sample Dates:	12/15/2015 - 12/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.50E-02	4.30E-03	5.86E-03
Sample ID:	398647	Sample Dates:	12/22/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	6.06E-03	2.96E-03	4.39E-03
Sample ID:	398654	Sample Dates:	9/29/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<1.46E-03	0.00E+00	1.46E-03



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 202 [ INDICATOR - S @ 1 miles ]

Sample ID:	Sample Dates:	Nuclide	Activity	2 Sigma Error	LLD
398654	9/29/2015 - 12/29/2015	Cs-137	<5.60E-04	0.00E+00	5.60E-04
		Be-7	1.19E-01	2.85E-02	2.23E-02
		K-40	<2.57E-02	0.00E+00	2.57E-02

Sample Point 203 [ INDICATOR - SSW @ 2 miles ]

Sample ID:	Sample Dates:	Nuclide	Activity	2 Sigma Error	LLD
365055	12/30/2014 - 1/6/2015	Beta	1.66E-02	4.48E-03	6.05E-03
365287	1/6/2015 - 1/13/2015	Beta	1.89E-02	4.40E-03	5.57E-03
366643	1/13/2015 - 1/20/2015	Beta	9.05E-03	3.92E-03	5.88E-03
367049	1/20/2015 - 1/27/2015	Beta	1.51E-02	4.04E-03	5.23E-03
367534	1/27/2015 - 2/3/2015	Beta	1.73E-02	4.37E-03	5.72E-03
368961	2/3/2015 - 2/10/2015	Beta	2.36E-02	4.59E-03	5.25E-03
369684	2/10/2015 - 2/17/2015	Beta	1.30E-02	4.10E-03	5.62E-03
370590	2/17/2015 - 2/24/2015	Beta	2.35E-02	4.63E-03	5.38E-03
371529	2/24/2015 - 3/3/2015	Beta	1.41E-02	4.47E-03	6.31E-03
371901	3/3/2015 - 3/10/2015	Beta	1.68E-02	4.32E-03	5.63E-03
372395	3/10/2015 - 3/17/2015	Beta	1.01E-02	3.94E-03	5.75E-03
373810	3/17/2015 - 3/24/2015	Beta	1.49E-02	4.19E-03	5.59E-03
374546	3/24/2015 - 3/31/2015	Beta	1.71E-02	4.56E-03	6.16E-03
373817	12/30/2014 - 3/31/2015	Cs-134	<1.04E-03	0.00E+00	1.04E-03
		Cs-137	<7.08E-04	0.00E+00	7.08E-04
		Be-7	1.62E-01	3.13E-02	1.98E-02
		K-40	<2.49E-02	0.00E+00	2.49E-02
374923	3/31/2015 - 4/7/2015	Beta	9.72E-03	3.88E-03	5.64E-03
375614	4/7/2015 - 4/14/2015	Beta	1.47E-02	4.07E-03	5.37E-03
376818	4/14/2015 - 4/21/2015	Beta	9.78E-03	3.87E-03	5.65E-03
377480	4/21/2015 - 4/28/2015	Beta	1.64E-02	4.20E-03	5.41E-03
378044	4/28/2015 - 5/5/2015	Beta	6.77E-03	3.84E-03	5.99E-03



## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 203 [ INDICATOR - SSW @ 2 miles ]

Sample ID:	378444	Sample Dates:	5/5/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.18E-02	4.03E-03	5.71E-03
Sample ID:	378940	Sample Dates:	5/12/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.33E-02	4.05E-03	5.56E-03
Sample ID:	379446	Sample Dates:	5/19/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.92E-02	4.30E-03	5.31E-03
Sample ID:	380170	Sample Dates:	5/26/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.07E-02	4.03E-03	5.82E-03
Sample ID:	380458	Sample Dates:	6/2/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	5.80E-03	3.66E-03	5.77E-03
Sample ID:	380790	Sample Dates:	6/9/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.61E-02	4.26E-03	5.66E-03
Sample ID:	381225	Sample Dates:	6/16/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.61E-02	4.44E-03	5.98E-03
Sample ID:	381584	Sample Dates:	6/23/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.58E-02	4.21E-03	5.54E-03
Sample ID:	381232	Sample Dates:	3/31/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<1.20E-03	0.00E+00	1.20E-03
				Cs-137	<9.54E-04	0.00E+00	9.54E-04
				Be-7	1.42E-01	3.06E-02	2.26E-02
				K-40	2.28E-02	1.44E-02	1.82E-02
Sample ID:	382150	Sample Dates:	6/30/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.78E-02	4.52E-03	6.01E-03
Sample ID:	382576	Sample Dates:	7/7/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.50E-02	4.15E-03	5.53E-03
Sample ID:	383506	Sample Dates:	7/14/2015 - 7/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.69E-02	4.29E-03	5.62E-03
Sample ID:	384078	Sample Dates:	7/21/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.85E-02	4.33E-03	5.45E-03
Sample ID:	384628	Sample Dates:	7/28/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.89E-02	4.19E-03	5.08E-03
Sample ID:	385396	Sample Dates:	8/4/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.32E-02	4.10E-03	5.69E-03
Sample ID:	385915	Sample Dates:	8/11/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.00E-02	4.64E-03	5.96E-03
Sample ID:	386810	Sample Dates:	8/18/2015 - 8/25/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.58E-02	4.07E-03	5.21E-03
Sample ID:	387402	Sample Dates:	8/25/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.81E-02	4.29E-03	5.41E-03
Sample ID:	388730	Sample Dates:	9/1/2015 - 9/8/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.08E-02	4.33E-03	5.18E-03
Sample ID:	389395	Sample Dates:	9/8/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.70E-02	4.26E-03	5.49E-03
Sample ID:	389996	Sample Dates:	9/15/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.75E-02	4.39E-03	5.72E-03
Sample ID:	390601	Sample Dates:	9/22/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	5.92E-03	3.89E-03	6.21E-03



## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 203 [ INDICATOR - SSW @ 2 miles ]

Sample ID: 390608	Sample Dates: 6/30/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-134	<9.03E-04	0.00E+00	9.03E-04
		Cs-137	<9.18E-04	0.00E+00	9.18E-04
		Be-7	1.13E-01	2.76E-02	2.35E-02
		K-40	<2.05E-02	0.00E+00	2.05E-02
Sample ID: 391917	Sample Dates: 9/29/2015 - 10/6/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	6.62E-03	2.51E-03	3.79E-03
Sample ID: 392217	Sample Dates: 10/6/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	1.90E-02	4.73E-03	6.27E-03
Sample ID: 393416	Sample Dates: 10/13/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	2.44E-02	4.58E-03	5.15E-03
Sample ID: 393822	Sample Dates: 10/20/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	2.03E-02	4.18E-03	4.77E-03
Sample ID: 394822	Sample Dates: 10/27/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	2.07E-02	4.37E-03	5.25E-03
Sample ID: 395290	Sample Dates: 11/3/2015 - 11/10/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	9.05E-03	3.82E-03	5.64E-03
Sample ID: 395615	Sample Dates: 11/10/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	2.17E-02	4.43E-03	5.25E-03
Sample ID: 396116	Sample Dates: 11/17/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	2.14E-02	4.67E-03	5.78E-03
Sample ID: 396624	Sample Dates: 11/24/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	1.28E-02	4.17E-03	5.87E-03
Sample ID: 397161	Sample Dates: 12/1/2015 - 12/8/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	2.28E-02	4.78E-03	5.87E-03
Sample ID: 397880	Sample Dates: 12/8/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	2.83E-02	4.98E-03	5.68E-03
Sample ID: 398277	Sample Dates: 12/15/2015 - 12/22/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	1.24E-02	4.22E-03	5.98E-03
Sample ID: 398648	Sample Dates: 12/22/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	8.28E-03	3.21E-03	4.48E-03
Sample ID: 398655	Sample Dates: 9/29/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-134	<1.10E-03	0.00E+00	1.10E-03
		Cs-137	<1.05E-03	0.00E+00	1.05E-03
		Be-7	1.12E-01	2.86E-02	2.45E-02
		K-40	<2.56E-02	0.00E+00	2.56E-02

Sample Point 204 [ CONTROL - NNE @ 22.4 miles ]

Sample ID: 365056	Sample Dates: 12/30/2014 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	1.63E-02	4.49E-03	6.10E-03
Sample ID: 365288	Sample Dates: 1/6/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	1.79E-02	4.42E-03	5.69E-03
Sample ID: 366644	Sample Dates: 1/13/2015 - 1/20/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	1.71E-02	4.46E-03	5.93E-03
Sample ID: 367050	Sample Dates: 1/20/2015 - 1/27/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	1.64E-02	4.16E-03	5.30E-03
Sample ID: 367535	Sample Dates: 1/27/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		Beta	1.35E-02	4.23E-03	5.89E-03





## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 204 [ CONTROL - NNE @ 22.4 miles ]

Sample ID:	368962	Sample Dates:	2/3/2015 - 2/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.80E-02	4.24E-03	5.22E-03
Sample ID:	369685	Sample Dates:	2/10/2015 - 2/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.77E-02	4.41E-03	5.67E-03
Sample ID:	370591	Sample Dates:	2/17/2015 - 2/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.45E-02	4.69E-03	5.38E-03
Sample ID:	371530	Sample Dates:	2/24/2015 - 3/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.56E-02	4.63E-03	6.43E-03
Sample ID:	371902	Sample Dates:	3/3/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.83E-02	4.47E-03	5.73E-03
Sample ID:	372396	Sample Dates:	3/10/2015 - 3/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.09E-02	4.03E-03	5.82E-03
Sample ID:	373811	Sample Dates:	3/17/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.56E-02	4.28E-03	5.68E-03
Sample ID:	374547	Sample Dates:	3/24/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.37E-02	4.41E-03	6.26E-03
Sample ID:	373818	Sample Dates:	12/30/2014 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<1.32E-03	0.00E+00	1.32E-03
				Cs-137	<8.57E-04	0.00E+00	8.57E-04
				Be-7	1.16E-01	2.55E-02	1.47E-02
				K-40	2.17E-02	1.30E-02	1.45E-02
Sample ID:	374924	Sample Dates:	3/31/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.39E-02	4.22E-03	5.78E-03
Sample ID:	375615	Sample Dates:	4/7/2015 - 4/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.40E-02	4.11E-03	5.51E-03
Sample ID:	376819	Sample Dates:	4/14/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	8.02E-03	3.80E-03	5.74E-03
Sample ID:	377481	Sample Dates:	4/21/2015 - 4/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.43E-02	4.13E-03	5.53E-03
Sample ID:	378045	Sample Dates:	4/28/2015 - 5/5/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	9.65E-03	4.14E-03	6.18E-03
Sample ID:	378445	Sample Dates:	5/5/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.10E-02	4.05E-03	5.84E-03
Sample ID:	378941	Sample Dates:	5/12/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.27E-02	4.11E-03	5.73E-03
Sample ID:	379447	Sample Dates:	5/19/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.31E-02	4.64E-03	5.48E-03
Sample ID:	380171	Sample Dates:	5/26/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.49E-02	4.31E-03	5.85E-03
Sample ID:	380459	Sample Dates:	6/2/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	4.94E-03	3.67E-03	5.90E-03
Sample ID:	380791	Sample Dates:	6/9/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.74E-02	4.44E-03	5.83E-03
Sample ID:	381226	Sample Dates:	6/16/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.41E-02	4.29E-03	5.93E-03
Sample ID:	381585	Sample Dates:	6/23/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.85E-02	4.45E-03	5.66E-03



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 204 [ CONTROL - NNE @ 22.4 miles ]

Sample ID:	381233	Sample Dates:	3/31/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<1.31E-03	0.00E+00	1.31E-03
				Cs-137	<8.47E-04	0.00E+00	8.47E-04
				Be-7	1.18E-01	2.71E-02	2.11E-02
				K-40	<2.56E-02	0.00E+00	2.56E-02
Sample ID:	382151	Sample Dates:	6/30/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.46E-02	4.42E-03	6.16E-03
Sample ID:	382577	Sample Dates:	7/7/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.22E-02	4.69E-03	5.72E-03
Sample ID:	383507	Sample Dates:	7/14/2015 - 7/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.58E-02	4.31E-03	5.76E-03
Sample ID:	384079	Sample Dates:	7/21/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.76E-02	4.35E-03	5.58E-03
Sample ID:	384629	Sample Dates:	7/28/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.54E-02	4.07E-03	5.25E-03
Sample ID:	385397	Sample Dates:	8/4/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.30E-02	4.19E-03	5.83E-03
Sample ID:	385916	Sample Dates:	8/11/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.83E-02	4.64E-03	6.13E-03
Sample ID:	386811	Sample Dates:	8/18/2015 - 8/25/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.84E-02	4.33E-03	5.39E-03
Sample ID:	387403	Sample Dates:	8/25/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.73E-02	4.29E-03	5.50E-03
Sample ID:	388731	Sample Dates:	9/1/2015 - 9/8/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.63E-02	4.80E-03	5.44E-03
Sample ID:	389396	Sample Dates:	9/8/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.21E-02	4.06E-03	5.68E-03
Sample ID:	389997	Sample Dates:	9/15/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.16E-02	4.75E-03	5.93E-03
Sample ID:	390602	Sample Dates:	9/22/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	6.01E-03	4.00E-03	6.38E-03
Sample ID:	390609	Sample Dates:	6/30/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<1.41E-03	0.00E+00	1.41E-03
				Cs-137	<1.20E-03	0.00E+00	1.20E-03
				Be-7	1.32E-01	3.27E-02	3.06E-02
				K-40	<2.68E-02	0.00E+00	2.68E-02
Sample ID:	391918	Sample Dates:	9/29/2015 - 10/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	4.52E-03	2.46E-03	3.90E-03
Sample ID:	392218	Sample Dates:	10/6/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.77E-02	4.71E-03	6.37E-03
Sample ID:	393417	Sample Dates:	10/13/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.83E-02	4.92E-03	5.35E-03
Sample ID:	393823	Sample Dates:	10/20/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.30E-02	4.45E-03	4.96E-03
Sample ID:	394823	Sample Dates:	10/27/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.99E-02	4.41E-03	5.38E-03



## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 204 [ CONTROL - NNE @ 22.4 miles ]

Sample ID:	395291	Sample Dates:	11/3/2015 - 11/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	8.81E-03	3.85E-03	5.71E-03
Sample ID:	395616	Sample Dates:	11/10/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.20E-02	4.60E-03	5.47E-03
Sample ID:	396117	Sample Dates:	11/17/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.30E-02	4.80E-03	5.86E-03
Sample ID:	396625	Sample Dates:	11/24/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.15E-02	4.24E-03	6.13E-03
Sample ID:	397162	Sample Dates:	12/1/2015 - 12/8/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.44E-02	4.91E-03	5.93E-03
Sample ID:	397881	Sample Dates:	12/8/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.61E-02	4.97E-03	5.86E-03
Sample ID:	398278	Sample Dates:	12/15/2015 - 12/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.38E-02	4.38E-03	6.12E-03
Sample ID:	398649	Sample Dates:	12/22/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	8.42E-03	3.31E-03	4.65E-03
Sample ID:	398656	Sample Dates:	9/29/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<8.19E-04	0.00E+00	8.19E-04
				Cs-137	<9.40E-04	0.00E+00	9.40E-04
				Be-7	9.08E-02	2.96E-02	3.23E-02
				K-40	<2.01E-02	0.00E+00	2.01E-02

Sample Point 205 [ INDICATOR - SSE @ 0.6 miles ]

Sample ID:	365057	Sample Dates:	12/30/2014 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.82E-02	4.57E-03	6.05E-03
Sample ID:	365289	Sample Dates:	1/6/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.85E-02	4.37E-03	5.56E-03
Sample ID:	366645	Sample Dates:	1/13/2015 - 1/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.79E-02	4.50E-03	5.92E-03
Sample ID:	367051	Sample Dates:	1/20/2015 - 1/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.82E-02	4.23E-03	5.24E-03
Sample ID:	367536	Sample Dates:	1/27/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.40E-02	4.18E-03	5.74E-03
Sample ID:	368963	Sample Dates:	2/3/2015 - 2/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.82E-02	4.27E-03	5.26E-03
Sample ID:	369686	Sample Dates:	2/10/2015 - 2/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.19E-02	5.01E-03	6.25E-03
Sample ID:	370592	Sample Dates:	2/17/2015 - 2/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.65E-02	5.14E-03	5.89E-03
Sample ID:	371531	Sample Dates:	2/24/2015 - 3/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.60E-02	4.60E-03	6.35E-03
Sample ID:	371903	Sample Dates:	3/3/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.56E-02	4.21E-03	5.57E-03
Sample ID:	372397	Sample Dates:	3/10/2015 - 3/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.11E-02	3.97E-03	5.69E-03
Sample ID:	373812	Sample Dates:	3/17/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.59E-02	4.20E-03	5.53E-03



## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 205 [ INDICATOR - SSE @ 0.6 miles ]

Sample ID:	374548	Sample Dates:	3/24/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.09E-02	4.16E-03	6.09E-03
Sample ID:	373819	Sample Dates:	12/30/2014 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<7.18E-04	0.00E+00	7.18E-04
				Cs-137	<1.01E-03	0.00E+00	1.01E-03
				Be-7	1.17E-01	2.84E-02	2.73E-02
				K-40	<2.42E-02	0.00E+00	2.42E-02
Sample ID:	374925	Sample Dates:	3/31/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.42E-02	4.14E-03	5.59E-03
Sample ID:	375616	Sample Dates:	4/7/2015 - 4/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.31E-02	3.94E-03	5.31E-03
Sample ID:	376820	Sample Dates:	4/14/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	8.16E-03	3.73E-03	5.59E-03
Sample ID:	377482	Sample Dates:	4/21/2015 - 4/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.50E-02	4.08E-03	5.37E-03
Sample ID:	378046	Sample Dates:	4/28/2015 - 5/5/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	7.17E-03	3.84E-03	5.94E-03
Sample ID:	378446	Sample Dates:	5/5/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.54E-02	4.23E-03	5.68E-03
Sample ID:	378942	Sample Dates:	5/12/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.03E-02	4.49E-03	5.59E-03
Sample ID:	379448	Sample Dates:	5/19/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.62E-02	4.16E-03	5.37E-03
Sample ID:	380172	Sample Dates:	5/26/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	9.94E-03	3.95E-03	5.76E-03
Sample ID:	380460	Sample Dates:	6/2/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	5.54E-03	3.64E-03	5.77E-03
Sample ID:	380792	Sample Dates:	6/9/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.57E-02	4.24E-03	5.66E-03
Sample ID:	381227	Sample Dates:	6/16/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.60E-02	4.50E-03	6.09E-03
Sample ID:	381586	Sample Dates:	6/23/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.31E-02	4.05E-03	5.56E-03
Sample ID:	381234	Sample Dates:	3/31/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<1.04E-03	0.00E+00	1.04E-03
				Cs-137	<9.16E-04	0.00E+00	9.16E-04
				Be-7	1.29E-01	2.93E-02	2.59E-02
				K-40	<3.05E-02	0.00E+00	3.05E-02
Sample ID:	382152	Sample Dates:	6/30/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.63E-02	4.43E-03	5.99E-03
Sample ID:	382578	Sample Dates:	7/7/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.06E-02	4.49E-03	5.54E-03
Sample ID:	383508	Sample Dates:	7/14/2015 - 7/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.25E-02	4.02E-03	5.62E-03
Sample ID:	384080	Sample Dates:	7/21/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.41E-02	4.07E-03	5.46E-03

## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 205 [ INDICATOR - SSE @ 0.6 miles ]

Sample ID:	384630	Sample Dates:	7/28/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.29E-02	3.81E-03	5.08E-03
Sample ID:	385398	Sample Dates:	8/4/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.53E-02	4.24E-03	5.69E-03
Sample ID:	385917	Sample Dates:	8/11/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.58E-02	4.39E-03	5.95E-03
Sample ID:	386812	Sample Dates:	8/18/2015 - 8/25/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.59E-02	4.07E-03	5.21E-03
Sample ID:	387404	Sample Dates:	8/25/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.86E-02	4.32E-03	5.41E-03
Sample ID:	388732	Sample Dates:	9/1/2015 - 9/8/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.77E-02	4.14E-03	5.17E-03
Sample ID:	389397	Sample Dates:	9/8/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.60E-02	4.19E-03	5.49E-03
Sample ID:	389998	Sample Dates:	9/15/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.42E-02	4.78E-03	5.74E-03
Sample ID:	390603	Sample Dates:	9/22/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	6.04E-03	3.91E-03	6.22E-03
Sample ID:	390610	Sample Dates:	6/30/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<7.16E-04	0.00E+00	7.16E-04
				Cs-137	<8.23E-04	0.00E+00	8.23E-04
				Be-7	1.14E-01	2.86E-02	2.66E-02
				K-40	1.99E-02	1.44E-02	1.99E-02
Sample ID:	391919	Sample Dates:	9/29/2015 - 10/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	4.65E-03	2.41E-03	3.79E-03
Sample ID:	392219	Sample Dates:	10/6/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.24E-02	4.36E-03	6.29E-03
Sample ID:	393418	Sample Dates:	10/13/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.83E-02	4.80E-03	5.16E-03
Sample ID:	393824	Sample Dates:	10/20/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.60E-02	3.90E-03	4.79E-03
Sample ID:	394824	Sample Dates:	10/27/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.13E-02	4.42E-03	5.26E-03
Sample ID:	395292	Sample Dates:	11/3/2015 - 11/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	9.59E-03	3.87E-03	5.65E-03
Sample ID:	395617	Sample Dates:	11/10/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.68E-02	4.18E-03	5.29E-03
Sample ID:	396118	Sample Dates:	11/17/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.96E-02	4.55E-03	5.77E-03
Sample ID:	396626	Sample Dates:	11/24/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.37E-02	4.26E-03	5.92E-03
Sample ID:	397163	Sample Dates:	12/1/2015 - 12/8/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.16E-02	4.72E-03	5.89E-03
Sample ID:	397882	Sample Dates:	12/8/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.55E-02	4.83E-03	5.68E-03
Sample ID:	398279	Sample Dates:	12/15/2015 - 12/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.60E-02	4.44E-03	5.98E-03





## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 205 [ INDICATOR - SSE @ 0.6 miles ]

Sample ID:	398650	Sample Dates:	12/22/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	6.94E-03	3.08E-03	4.46E-03
Sample ID:	398657	Sample Dates:	9/29/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<1.05E-03	0.00E+00	1.05E-03
				Cs-137	<9.16E-04	0.00E+00	9.16E-04
				Be-7	9.85E-02	2.85E-02	3.00E-02
				K-40	<2.96E-02	0.00E+00	2.96E-02

### Sample Point 206 [ CONTROL - NW @ 11.3 miles ]

Sample ID:	365058	Sample Dates:	12/30/2014 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.36E-02	4.36E-03	6.16E-03
Sample ID:	365290	Sample Dates:	1/6/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.78E-02	4.43E-03	5.72E-03
Sample ID:	366646	Sample Dates:	1/13/2015 - 1/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.21E-02	4.18E-03	5.97E-03
Sample ID:	367052	Sample Dates:	1/20/2015 - 1/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.68E-02	4.19E-03	5.31E-03
Sample ID:	367537	Sample Dates:	1/27/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.42E-02	4.32E-03	5.94E-03
Sample ID:	368964	Sample Dates:	2/3/2015 - 2/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.94E-02	4.33E-03	5.24E-03
Sample ID:	369687	Sample Dates:	2/10/2015 - 2/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.96E-02	4.54E-03	5.70E-03
Sample ID:	370593	Sample Dates:	2/17/2015 - 2/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.22E-02	4.62E-03	5.44E-03
Sample ID:	371532	Sample Dates:	2/24/2015 - 3/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.93E-02	4.86E-03	6.46E-03
Sample ID:	371904	Sample Dates:	3/3/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.69E-02	4.38E-03	5.71E-03
Sample ID:	372398	Sample Dates:	3/10/2015 - 3/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.66E-02	4.37E-03	5.79E-03
Sample ID:	373813	Sample Dates:	3/17/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.33E-02	4.14E-03	5.68E-03
Sample ID:	374549	Sample Dates:	3/24/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.16E-02	4.26E-03	6.23E-03
Sample ID:	373820	Sample Dates:	12/30/2014 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<9.40E-04	0.00E+00	9.40E-04
				Cs-137	<7.43E-04	0.00E+00	7.43E-04
				Be-7	1.41E-01	2.84E-02	1.33E-02
				K-40	1.15E-02	8.17E-03	3.88E-03
Sample ID:	374926	Sample Dates:	3/31/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.19E-02	4.06E-03	5.74E-03
Sample ID:	375617	Sample Dates:	4/7/2015 - 4/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.46E-02	4.12E-03	5.44E-03
Sample ID:	376821	Sample Dates:	4/14/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	8.46E-03	3.80E-03	5.68E-03
Sample ID:	377483	Sample Dates:	4/21/2015 - 4/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.04E-02	4.47E-03	5.47E-03

## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 206 [ CONTROL - NW @ 11.3 miles ]

Sample ID:	378047	Sample Dates:	4/28/2015 - 5/5/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	8.46E-03	4.04E-03	6.13E-03
Sample ID:	378447	Sample Dates:	5/5/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.36E-02	4.18E-03	5.78E-03
Sample ID:	378943	Sample Dates:	5/12/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.60E-02	4.27E-03	5.66E-03
Sample ID:	379449	Sample Dates:	5/19/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.71E-02	4.25E-03	5.43E-03
Sample ID:	380173	Sample Dates:	5/26/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.17E-02	4.07E-03	5.79E-03
Sample ID:	380461	Sample Dates:	6/2/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	9.39E-03	3.94E-03	5.83E-03
Sample ID:	380793	Sample Dates:	6/9/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.60E-02	4.31E-03	5.76E-03
Sample ID:	381228	Sample Dates:	6/16/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.17E-02	4.68E-03	5.85E-03
Sample ID:	381587	Sample Dates:	6/23/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.13E-02	3.95E-03	5.58E-03
Sample ID:	381235	Sample Dates:	3/31/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<7.03E-04	0.00E+00	7.03E-04
				Cs-137	<1.06E-03	0.00E+00	1.06E-03
				Be-7	1.10E-01	2.65E-02	2.33E-02
				K-40	<1.26E-02	0.00E+00	1.26E-02
Sample ID:	382153	Sample Dates:	6/30/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.36E-02	4.31E-03	6.06E-03
Sample ID:	382579	Sample Dates:	7/7/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.79E-02	4.38E-03	5.63E-03
Sample ID:	383509	Sample Dates:	7/14/2015 - 7/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.86E-02	4.43E-03	5.68E-03
Sample ID:	384081	Sample Dates:	7/21/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.62E-02	4.24E-03	5.51E-03
Sample ID:	384631	Sample Dates:	7/28/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.82E-02	4.20E-03	5.17E-03
Sample ID:	385399	Sample Dates:	8/4/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.07E-02	3.99E-03	5.75E-03
Sample ID:	385918	Sample Dates:	8/11/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.53E-02	4.42E-03	6.05E-03
Sample ID:	386813	Sample Dates:	8/18/2015 - 8/25/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.67E-02	4.18E-03	5.30E-03
Sample ID:	387405	Sample Dates:	8/25/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.29E-02	4.57E-03	5.42E-03
Sample ID:	388733	Sample Dates:	9/1/2015 - 9/8/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.38E-02	4.61E-03	5.35E-03
Sample ID:	389398	Sample Dates:	9/8/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.68E-02	4.31E-03	5.58E-03
Sample ID:	389999	Sample Dates:	9/15/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.36E-02	4.82E-03	5.84E-03



## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 206 [ CONTROL - NW @ 11.3 miles ]

Sample ID:	390604	Sample Dates:	9/22/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	4.11E-03	3.81E-03	6.27E-03
Sample ID:	390611	Sample Dates:	6/30/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<1.14E-03	0.00E+00	1.14E-03
				Cs-137	<1.00E-03	0.00E+00	1.00E-03
				Be-7	1.21E-01	3.24E-02	3.35E-02
				K-40	<2.64E-02	0.00E+00	2.64E-02
Sample ID:	391920	Sample Dates:	9/29/2015 - 10/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	5.04E-03	2.46E-03	3.83E-03
Sample ID:	392220	Sample Dates:	10/6/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.59E-02	4.55E-03	6.27E-03
Sample ID:	393419	Sample Dates:	10/13/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.17E-02	4.47E-03	5.25E-03
Sample ID:	393825	Sample Dates:	10/20/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.14E-02	4.33E-03	4.91E-03
Sample ID:	394825	Sample Dates:	10/27/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.36E-02	4.58E-03	5.29E-03
Sample ID:	395293	Sample Dates:	11/3/2015 - 11/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.20E-02	4.01E-03	5.63E-03
Sample ID:	395618	Sample Dates:	11/10/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.87E-02	4.34E-03	5.39E-03
Sample ID:	396119	Sample Dates:	11/17/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.73E-02	4.41E-03	5.76E-03
Sample ID:	396627	Sample Dates:	11/24/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.28E-02	4.27E-03	6.03E-03
Sample ID:	397164	Sample Dates:	12/1/2015 - 12/8/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.20E-02	4.71E-03	5.84E-03
Sample ID:	397883	Sample Dates:	12/8/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	2.79E-02	5.00E-03	5.75E-03
Sample ID:	398280	Sample Dates:	12/15/2015 - 12/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	1.21E-02	4.22E-03	6.01E-03
Sample ID:	398651	Sample Dates:	12/22/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Beta	6.70E-03	3.12E-03	4.55E-03
Sample ID:	398658	Sample Dates:	9/29/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<1.42E-03	0.00E+00	1.42E-03
				Cs-137	<1.12E-03	0.00E+00	1.12E-03
				Be-7	1.19E-01	3.03E-02	2.50E-02
				K-40	1.31E-02	1.29E-02	1.95E-02

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

Sample Point 200 [ INDICATOR - WSW @ 1 miles ]

Sample ID:	365059	Sample Dates:	12/30/2014 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.62E-02	0.00E+00	3.62E-02
				Cs-134	<2.17E-02	0.00E+00	2.17E-02
				Cs-137	<2.93E-02	0.00E+00	2.93E-02
				Be-7	<1.37E-01	0.00E+00	1.37E-01
				K-40	1.09E+00	4.80E-01	5.19E-01
Sample ID:	365291	Sample Dates:	1/6/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.99E-02	0.00E+00	2.99E-02

# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 200 [ INDICATOR - WSW @ 1 miles ]

Sample ID: 365291	Sample Dates: 1/6/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-134	<3.66E-02	0.00E+00	3.66E-02
		Cs-137	<2.70E-02	0.00E+00	2.70E-02
		Be-7	<1.78E-01	0.00E+00	1.78E-01
		K-40	1.22E+00	4.52E-01	3.12E-01
Sample ID: 366647	Sample Dates: 1/13/2015 - 1/20/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.13E-02	0.00E+00	3.13E-02
		Cs-134	<2.09E-02	0.00E+00	2.09E-02
		Cs-137	<3.40E-02	0.00E+00	3.40E-02
		Be-7	<1.62E-01	0.00E+00	1.62E-01
Sample ID: 367053	Sample Dates: 1/20/2015 - 1/27/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.75E-02	0.00E+00	3.75E-02
		Cs-134	<2.41E-02	0.00E+00	2.41E-02
		Cs-137	<3.38E-02	0.00E+00	3.38E-02
		Be-7	<1.28E-01	0.00E+00	1.28E-01
Sample ID: 367538	Sample Dates: 1/27/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.42E-02	0.00E+00	3.42E-02
		Cs-134	<2.58E-02	0.00E+00	2.58E-02
		Cs-137	<3.19E-02	0.00E+00	3.19E-02
		Be-7	<2.46E-01	0.00E+00	2.46E-01
Sample ID: 368965	Sample Dates: 2/3/2015 - 2/10/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.86E-02	0.00E+00	3.86E-02
		Cs-134	<2.75E-02	0.00E+00	2.75E-02
		Cs-137	<3.44E-02	0.00E+00	3.44E-02
		Be-7	<2.41E-01	0.00E+00	2.41E-01
Sample ID: 369688	Sample Dates: 2/10/2015 - 2/17/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.66E-02	0.00E+00	1.66E-02
		Cs-134	<1.20E-02	0.00E+00	1.20E-02
		Cs-137	<1.62E-02	0.00E+00	1.62E-02
		Be-7	<1.28E-01	0.00E+00	1.28E-01
Sample ID: 370594	Sample Dates: 2/17/2015 - 2/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.43E-02	0.00E+00	2.43E-02
		Cs-134	<1.51E-02	0.00E+00	1.51E-02
		Cs-137	<1.16E-02	0.00E+00	1.16E-02
		Be-7	<8.83E-02	0.00E+00	8.83E-02
Sample ID: 371533	Sample Dates: 2/24/2015 - 3/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.89E-02	0.00E+00	1.89E-02
		Cs-134	<1.56E-02	0.00E+00	1.56E-02
		Cs-137	<1.39E-02	0.00E+00	1.39E-02
		Be-7	<1.00E-01	0.00E+00	1.00E-01
Sample ID: 371905	Sample Dates: 3/3/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.85E-02	0.00E+00	1.85E-02
		Cs-134	<1.73E-02	0.00E+00	1.73E-02
		Cs-137	<1.33E-02	0.00E+00	1.33E-02
		Be-7	<9.57E-02	0.00E+00	9.57E-02
Sample ID: 372399	Sample Dates: 3/10/2015 - 3/17/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.61E-02	0.00E+00	1.61E-02
		Cs-134	<1.32E-02	0.00E+00	1.32E-02
		Cs-137	<1.77E-02	0.00E+00	1.77E-02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 200 [ INDICATOR - WSW @ 1 miles ]

Sample ID:	372399	Sample Dates:	3/10/2015 - 3/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				Be-7	<1.22E-01	0.00E+00	1.22E-01
				K-40	1.04E+00	3.28E-01	2.26E-01
Sample ID:	373821	Sample Dates:	3/17/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.29E-02	0.00E+00	2.29E-02
				Cs-134	<1.78E-02	0.00E+00	1.78E-02
				Cs-137	<1.83E-02	0.00E+00	1.83E-02
				Be-7	<9.54E-02	0.00E+00	9.54E-02
				K-40	1.11E+00	3.20E-01	5.66E-02
Sample ID:	374550	Sample Dates:	3/24/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.69E-02	0.00E+00	3.69E-02
				Cs-134	<3.02E-02	0.00E+00	3.02E-02
				Cs-137	<3.37E-02	0.00E+00	3.37E-02
				Be-7	<2.32E-01	0.00E+00	2.32E-01
				K-40	1.45E+00	4.73E-01	9.81E-02
Sample ID:	374927	Sample Dates:	3/31/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.10E-02	0.00E+00	2.10E-02
				Cs-134	<1.53E-02	0.00E+00	1.53E-02
				Cs-137	<1.44E-02	0.00E+00	1.44E-02
				Be-7	<1.18E-01	0.00E+00	1.18E-01
				K-40	8.37E-01	3.15E-01	3.14E-01
Sample ID:	375618	Sample Dates:	4/7/2015 - 4/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.14E-02	0.00E+00	3.14E-02
				Cs-134	<2.82E-02	0.00E+00	2.82E-02
				Cs-137	<2.64E-02	0.00E+00	2.64E-02
				Be-7	<2.18E-01	0.00E+00	2.18E-01
				K-40	1.32E+00	4.75E-01	3.63E-01
Sample ID:	376822	Sample Dates:	4/14/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.99E-02	0.00E+00	2.99E-02
				Cs-134	<3.25E-02	0.00E+00	3.25E-02
				Cs-137	<3.13E-02	0.00E+00	3.13E-02
				Be-7	<1.90E-01	0.00E+00	1.90E-01
				K-40	9.30E-01	4.48E-01	5.05E-01
Sample ID:	377484	Sample Dates:	4/21/2015 - 4/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<1.74E-02	0.00E+00	1.74E-02
				Cs-134	<1.32E-02	0.00E+00	1.32E-02
				Cs-137	<1.50E-02	0.00E+00	1.50E-02
				Be-7	<1.36E-01	0.00E+00	1.36E-01
				K-40	8.04E-01	2.71E-01	5.74E-02
Sample ID:	378048	Sample Dates:	4/28/2015 - 5/5/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.79E-02	0.00E+00	3.79E-02
				Cs-134	<3.38E-02	0.00E+00	3.38E-02
				Cs-137	<2.66E-02	0.00E+00	2.66E-02
				Be-7	<2.55E-01	0.00E+00	2.55E-01
				K-40	9.00E-01	4.02E-01	3.70E-01
Sample ID:	378448	Sample Dates:	5/5/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.03E-02	0.00E+00	2.03E-02
				Cs-134	<1.41E-02	0.00E+00	1.41E-02
				Cs-137	<1.63E-02	0.00E+00	1.63E-02
				Be-7	<1.14E-01	0.00E+00	1.14E-01
				K-40	7.99E-01	2.69E-01	5.70E-02
Sample ID:	378944	Sample Dates:	5/12/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.65E-02	0.00E+00	3.65E-02
				Cs-134	<2.81E-02	0.00E+00	2.81E-02
				Cs-137	<2.63E-02	0.00E+00	2.63E-02
				Be-7	<1.54E-01	0.00E+00	1.54E-01
				K-40	1.18E+00	4.44E-01	3.32E-01

# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 200 [ INDICATOR - WSW @ 1 miles ]

Sample ID:	379450	Sample Dates:	5/19/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<1.74E-02	0.00E+00	1.74E-02
				Cs-134	<1.50E-02	0.00E+00	1.50E-02
				Cs-137	<1.86E-02	0.00E+00	1.86E-02
				Be-7	<1.14E-01	0.00E+00	1.14E-01
				K-40	<5.60E-01	0.00E+00	5.60E-01
Sample ID:	380174	Sample Dates:	5/26/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<4.12E-02	0.00E+00	4.12E-02
				Cs-134	<3.55E-02	0.00E+00	3.55E-02
				Cs-137	<3.08E-02	0.00E+00	3.08E-02
				Be-7	<1.88E-01	0.00E+00	1.88E-01
				K-40	1.20E+00	5.19E-01	5.91E-01
Sample ID:	380462	Sample Dates:	6/2/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.20E-02	0.00E+00	2.20E-02
				Cs-134	<1.41E-02	0.00E+00	1.41E-02
				Cs-137	<1.75E-02	0.00E+00	1.75E-02
				Be-7	<1.05E-01	0.00E+00	1.05E-01
				K-40	<6.05E-01	0.00E+00	6.05E-01
Sample ID:	380794	Sample Dates:	6/9/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.91E-02	0.00E+00	2.91E-02
				Cs-134	<2.46E-02	0.00E+00	2.46E-02
				Cs-137	<2.32E-02	0.00E+00	2.32E-02
				Be-7	<2.12E-01	0.00E+00	2.12E-01
				K-40	8.42E-01	4.24E-01	4.89E-01
Sample ID:	381236	Sample Dates:	6/16/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.79E-02	0.00E+00	3.79E-02
				Cs-134	<2.30E-02	0.00E+00	2.30E-02
				Cs-137	<3.26E-02	0.00E+00	3.26E-02
				Be-7	<2.02E-01	0.00E+00	2.02E-01
				K-40	9.58E-01	4.03E-01	3.37E-01
Sample ID:	381588	Sample Dates:	6/23/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.29E-02	0.00E+00	3.29E-02
				Cs-134	<3.31E-02	0.00E+00	3.31E-02
				Cs-137	<2.02E-02	0.00E+00	2.02E-02
				Be-7	<1.86E-01	0.00E+00	1.86E-01
				K-40	9.11E-01	3.65E-01	9.50E-02
Sample ID:	382154	Sample Dates:	6/30/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.19E-02	0.00E+00	3.19E-02
				Cs-134	<2.13E-02	0.00E+00	2.13E-02
				Cs-137	<3.48E-02	0.00E+00	3.48E-02
				Be-7	<1.56E-01	0.00E+00	1.56E-01
				K-40	9.21E-01	4.58E-01	5.43E-01
Sample ID:	382580	Sample Dates:	7/7/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.89E-02	0.00E+00	2.89E-02
				Cs-134	<2.33E-02	0.00E+00	2.33E-02
				Cs-137	<2.38E-02	0.00E+00	2.38E-02
				Be-7	<1.10E-01	0.00E+00	1.10E-01
				K-40	<7.48E-01	0.00E+00	7.48E-01
Sample ID:	383510	Sample Dates:	7/14/2015 - 7/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<4.22E-02	0.00E+00	4.22E-02
				Cs-134	<2.84E-02	0.00E+00	2.84E-02
				Cs-137	<4.16E-02	0.00E+00	4.16E-02
				Be-7	<1.36E-01	0.00E+00	1.36E-01
				K-40	<9.44E-01	0.00E+00	9.44E-01
Sample ID:	384082	Sample Dates:	7/21/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<1.39E-02	0.00E+00	1.39E-02
				Cs-134	<1.22E-02	0.00E+00	1.22E-02





# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 200 [ INDICATOR - WSW @ 1 miles ]

Sample ID: 384082	Sample Dates: 7/21/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-137	<1.65E-02	0.00E+00	1.65E-02
		Be-7	<8.69E-02	0.00E+00	8.69E-02
		K-40	<6.40E-01	0.00E+00	6.40E-01
Sample ID: 384632	Sample Dates: 7/28/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.59E-02	0.00E+00	1.59E-02
		Cs-134	<1.04E-02	0.00E+00	1.04E-02
		Cs-137	<1.29E-02	0.00E+00	1.29E-02
		Be-7	<1.50E-01	0.00E+00	1.50E-01
Sample ID: 385400	Sample Dates: 8/4/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.90E-02	0.00E+00	3.90E-02
		Cs-134	<2.52E-02	0.00E+00	2.52E-02
		Cs-137	<2.90E-02	0.00E+00	2.90E-02
		Be-7	<1.75E-01	0.00E+00	1.75E-01
Sample ID: 385919	Sample Dates: 8/11/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.03E-02	0.00E+00	2.03E-02
		Cs-134	<1.59E-02	0.00E+00	1.59E-02
		Cs-137	<1.97E-02	0.00E+00	1.97E-02
		Be-7	<1.40E-01	0.00E+00	1.40E-01
Sample ID: 386814	Sample Dates: 8/18/2015 - 8/25/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.31E-02	0.00E+00	3.31E-02
		Cs-134	<2.96E-02	0.00E+00	2.96E-02
		Cs-137	<3.10E-02	0.00E+00	3.10E-02
		Be-7	<2.60E-01	0.00E+00	2.60E-01
Sample ID: 387406	Sample Dates: 8/25/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.72E-02	0.00E+00	1.72E-02
		Cs-134	<1.37E-02	0.00E+00	1.37E-02
		Cs-137	<1.45E-02	0.00E+00	1.45E-02
		Be-7	<1.18E-01	0.00E+00	1.18E-01
Sample ID: 388734	Sample Dates: 9/1/2015 - 9/8/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.62E-02	0.00E+00	2.62E-02
		Cs-134	<2.63E-02	0.00E+00	2.63E-02
		Cs-137	<2.60E-02	0.00E+00	2.60E-02
		Be-7	<2.01E-01	0.00E+00	2.01E-01
Sample ID: 389399	Sample Dates: 9/8/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.67E-02	0.00E+00	1.67E-02
		Cs-134	<1.52E-02	0.00E+00	1.52E-02
		Cs-137	<1.11E-02	0.00E+00	1.11E-02
		Be-7	<1.34E-01	0.00E+00	1.34E-01
Sample ID: 390000	Sample Dates: 9/15/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.10E-02	0.00E+00	4.10E-02
		Cs-134	<2.15E-02	0.00E+00	2.15E-02
		Cs-137	<3.12E-02	0.00E+00	3.12E-02
		Be-7	<1.90E-01	0.00E+00	1.90E-01
Sample ID: 390612	Sample Dates: 9/22/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.53E-02	0.00E+00	2.53E-02
		Cs-134	<2.99E-02	0.00E+00	2.99E-02
		Cs-137	<3.87E-02	0.00E+00	3.87E-02
		Be-7	<1.35E-01	0.00E+00	1.35E-01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 200 [ INDICATOR - WSW @ 1 miles ]

Sample ID:	390612	Sample Dates:	9/22/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				K-40	1.11E+00	4.80E-01	5.08E-01
Sample ID:	391921	Sample Dates:	9/29/2015 - 10/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.71E-02	0.00E+00	2.71E-02
				Cs-134	<3.14E-02	0.00E+00	3.14E-02
				Cs-137	<3.53E-02	0.00E+00	3.53E-02
				Be-7	<1.93E-01	0.00E+00	1.93E-01
				K-40	<1.06E+00	0.00E+00	1.06E+00
Sample ID:	392221	Sample Dates:	10/6/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.48E-02	0.00E+00	3.48E-02
				Cs-134	<2.20E-02	0.00E+00	2.20E-02
				Cs-137	<2.72E-02	0.00E+00	2.72E-02
				Be-7	<1.96E-01	0.00E+00	1.96E-01
				K-40	9.48E-01	4.22E-01	4.02E-01
Sample ID:	393420	Sample Dates:	10/13/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<4.52E-02	0.00E+00	4.52E-02
				Cs-134	<2.70E-02	0.00E+00	2.70E-02
				Cs-137	<2.91E-02	0.00E+00	2.91E-02
				Be-7	<2.46E-01	0.00E+00	2.46E-01
				K-40	1.56E+00	5.58E-01	5.35E-01
Sample ID:	393826	Sample Dates:	10/20/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<1.47E-02	0.00E+00	1.47E-02
				Cs-134	<1.42E-02	0.00E+00	1.42E-02
				Cs-137	<1.76E-02	0.00E+00	1.76E-02
				Be-7	<1.15E-01	0.00E+00	1.15E-01
				K-40	9.73E-01	3.18E-01	2.28E-01
Sample ID:	394826	Sample Dates:	10/27/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<4.10E-02	0.00E+00	4.10E-02
				Cs-134	<2.54E-02	0.00E+00	2.54E-02
				Cs-137	<2.68E-02	0.00E+00	2.68E-02
				Be-7	<2.34E-01	0.00E+00	2.34E-01
				K-40	1.19E+00	4.61E-01	3.91E-01
Sample ID:	395294	Sample Dates:	11/3/2015 - 11/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<1.67E-02	0.00E+00	1.67E-02
				Cs-134	<1.24E-02	0.00E+00	1.24E-02
				Cs-137	<1.54E-02	0.00E+00	1.54E-02
				Be-7	<1.24E-01	0.00E+00	1.24E-01
				K-40	6.21E-01	2.72E-01	2.76E-01
Sample ID:	395619	Sample Dates:	11/10/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.69E-02	0.00E+00	3.69E-02
				Cs-134	<3.00E-02	0.00E+00	3.00E-02
				Cs-137	<2.92E-02	0.00E+00	2.92E-02
				Be-7	<2.42E-01	0.00E+00	2.42E-01
				K-40	9.33E-01	3.74E-01	9.73E-02
Sample ID:	396120	Sample Dates:	11/17/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<5.10E-02	0.00E+00	5.10E-02
				Cs-134	<2.61E-02	0.00E+00	2.61E-02
				Cs-137	<2.95E-02	0.00E+00	2.95E-02
				Be-7	<1.96E-01	0.00E+00	1.96E-01
				K-40	1.46E+00	4.25E-01	7.74E-02
Sample ID:	396628	Sample Dates:	11/24/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.01E-02	0.00E+00	3.01E-02
				Cs-134	<3.01E-02	0.00E+00	3.01E-02
				Cs-137	<3.72E-02	0.00E+00	3.72E-02
				Be-7	<1.75E-01	0.00E+00	1.75E-01
				K-40	1.68E+00	5.46E-01	4.12E-01

## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 200 [ INDICATOR - WSW @ 1 miles ]

Sample ID: 397165	Sample Dates: 12/1/2015 - 12/8/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.83E-02	0.00E+00	1.83E-02
		Cs-134	<1.48E-02	0.00E+00	1.48E-02
		Cs-137	<1.41E-02	0.00E+00	1.41E-02
		Be-7	<7.89E-02	0.00E+00	7.89E-02
		K-40	8.90E-01	3.24E-01	2.91E-01
Sample ID: 397884	Sample Dates: 12/8/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.02E-02	0.00E+00	4.02E-02
		Cs-134	<3.30E-02	0.00E+00	3.30E-02
		Cs-137	<2.09E-02	0.00E+00	2.09E-02
		Be-7	<1.93E-01	0.00E+00	1.93E-01
		K-40	1.29E+00	4.93E-01	4.41E-01
Sample ID: 398281	Sample Dates: 12/15/2015 - 12/22/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.19E-02	0.00E+00	2.19E-02
		Cs-134	<1.12E-02	0.00E+00	1.12E-02
		Cs-137	<1.20E-02	0.00E+00	1.20E-02
		Be-7	<1.25E-01	0.00E+00	1.25E-01
		K-40	6.33E-01	2.42E-01	5.92E-02
Sample ID: 398659	Sample Dates: 12/22/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.75E-02	0.00E+00	1.75E-02
		Cs-134	<1.22E-02	0.00E+00	1.22E-02
		Cs-137	<1.65E-02	0.00E+00	1.65E-02
		Be-7	<1.42E-01	0.00E+00	1.42E-01
		K-40	<6.00E-01	0.00E+00	6.00E-01

Sample Point 201 [ INDICATOR - NE @ 0.5 miles ]

Sample ID: 365060	Sample Dates: 12/30/2014 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.76E-02	0.00E+00	3.76E-02
		Cs-134	<2.71E-02	0.00E+00	2.71E-02
		Cs-137	<2.68E-02	0.00E+00	2.68E-02
		Be-7	<1.37E-01	0.00E+00	1.37E-01
		K-40	1.15E+00	4.89E-01	5.14E-01
Sample ID: 365292	Sample Dates: 1/6/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.92E-02	0.00E+00	3.92E-02
		Cs-134	<2.55E-02	0.00E+00	2.55E-02
		Cs-137	<2.68E-02	0.00E+00	2.68E-02
		Be-7	<2.08E-01	0.00E+00	2.08E-01
		K-40	8.53E-01	4.17E-01	4.52E-01
Sample ID: 366648	Sample Dates: 1/13/2015 - 1/20/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.22E-02	0.00E+00	4.22E-02
		Cs-134	<2.75E-02	0.00E+00	2.75E-02
		Cs-137	<7.77E-03	0.00E+00	7.77E-03
		Be-7	<1.64E-01	0.00E+00	1.64E-01
		K-40	1.43E+00	5.89E-01	4.80E-01
Sample ID: 367054	Sample Dates: 1/20/2015 - 1/27/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.81E-02	0.00E+00	2.81E-02
		Cs-134	<1.57E-02	0.00E+00	1.57E-02
		Cs-137	<2.36E-02	0.00E+00	2.36E-02
		Be-7	<1.65E-01	0.00E+00	1.65E-01
		K-40	1.37E+00	4.15E-01	2.78E-01
Sample ID: 367539	Sample Dates: 1/27/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.25E-02	0.00E+00	3.25E-02
		Cs-134	<1.71E-02	0.00E+00	1.71E-02
		Cs-137	<2.11E-02	0.00E+00	2.11E-02
		Be-7	<1.79E-01	0.00E+00	1.79E-01
		K-40	1.14E+00	4.20E-01	9.96E-02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 201 [ INDICATOR - NE @ 0.5 miles ]

Sample ID: 368966	Sample Dates: 2/3/2015 - 2/10/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.70E-02	0.00E+00	3.70E-02
		Cs-134	<2.92E-02	0.00E+00	2.92E-02
		Cs-137	<2.98E-02	0.00E+00	2.98E-02
		Be-7	<1.62E-01	0.00E+00	1.62E-01
		K-40	1.03E+00	3.98E-01	9.95E-02
Sample ID: 369689	Sample Dates: 2/10/2015 - 2/17/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.35E-02	0.00E+00	2.35E-02
		Cs-134	<1.58E-02	0.00E+00	1.58E-02
		Cs-137	<1.83E-02	0.00E+00	1.83E-02
		Be-7	<9.68E-02	0.00E+00	9.68E-02
		K-40	7.28E-01	2.69E-01	6.37E-02
Sample ID: 370595	Sample Dates: 2/17/2015 - 2/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.71E-02	0.00E+00	1.71E-02
		Cs-134	<1.60E-02	0.00E+00	1.60E-02
		Cs-137	<1.84E-02	0.00E+00	1.84E-02
		Be-7	<1.10E-01	0.00E+00	1.10E-01
		K-40	8.37E-01	3.07E-01	2.27E-01
Sample ID: 371534	Sample Dates: 2/24/2015 - 3/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.22E-02	0.00E+00	2.22E-02
		Cs-134	<1.78E-02	0.00E+00	1.78E-02
		Cs-137	<1.66E-02	0.00E+00	1.66E-02
		Be-7	<1.31E-01	0.00E+00	1.31E-01
		K-40	9.54E-01	3.24E-01	2.55E-01
Sample ID: 371906	Sample Dates: 3/3/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.58E-02	0.00E+00	1.58E-02
		Cs-134	<1.90E-02	0.00E+00	1.90E-02
		Cs-137	<1.56E-02	0.00E+00	1.56E-02
		Be-7	<1.10E-01	0.00E+00	1.10E-01
		K-40	4.17E-01	2.30E-01	2.59E-01
Sample ID: 372400	Sample Dates: 3/10/2015 - 3/17/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.85E-02	0.00E+00	1.85E-02
		Cs-134	<1.56E-02	0.00E+00	1.56E-02
		Cs-137	<1.32E-02	0.00E+00	1.32E-02
		Be-7	<1.05E-01	0.00E+00	1.05E-01
		K-40	8.59E-01	2.79E-01	5.68E-02
Sample ID: 373822	Sample Dates: 3/17/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.63E-02	0.00E+00	1.63E-02
		Cs-134	<1.40E-02	0.00E+00	1.40E-02
		Cs-137	<1.95E-02	0.00E+00	1.95E-02
		Be-7	<1.21E-01	0.00E+00	1.21E-01
		K-40	8.93E-01	3.17E-01	2.83E-01
Sample ID: 374551	Sample Dates: 3/24/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.58E-02	0.00E+00	2.58E-02
		Cs-134	<3.20E-02	0.00E+00	3.20E-02
		Cs-137	<3.61E-02	0.00E+00	3.61E-02
		Be-7	<1.95E-01	0.00E+00	1.95E-01
		K-40	8.77E-01	4.84E-01	6.20E-01
Sample ID: 374928	Sample Dates: 3/31/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.88E-02	0.00E+00	1.88E-02
		Cs-134	<1.35E-02	0.00E+00	1.35E-02
		Cs-137	<1.19E-02	0.00E+00	1.19E-02
		Be-7	<1.17E-01	0.00E+00	1.17E-01
		K-40	6.52E-01	2.59E-01	2.08E-01
Sample ID: 375619	Sample Dates: 4/7/2015 - 4/14/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.08E-02	0.00E+00	2.08E-02
		Cs-134	<3.02E-02	0.00E+00	3.02E-02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 201 [ INDICATOR - NE @ 0.5 miles ]

Sample ID: 375619	Sample Dates: 4/7/2015 - 4/14/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-137	<3.15E-02	0.00E+00	3.15E-02
		Be-7	<2.08E-01	0.00E+00	2.08E-01
		K-40	1.15E+00	4.19E-01	9.78E-02
Sample ID: 376823	Sample Dates: 4/14/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.23E-02	0.00E+00	3.23E-02
		Cs-134	<2.75E-02	0.00E+00	2.75E-02
		Cs-137	<2.11E-02	0.00E+00	2.11E-02
		Be-7	<1.78E-01	0.00E+00	1.78E-01
Sample ID: 377485	Sample Dates: 4/21/2015 - 4/28/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.96E-02	0.00E+00	1.96E-02
		Cs-134	<1.71E-02	0.00E+00	1.71E-02
		Cs-137	<8.95E-03	0.00E+00	8.95E-03
		Be-7	<1.13E-01	0.00E+00	1.13E-01
Sample ID: 378049	Sample Dates: 4/28/2015 - 5/5/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.25E-02	0.00E+00	3.25E-02
		Cs-134	<1.97E-02	0.00E+00	1.97E-02
		Cs-137	<3.78E-02	0.00E+00	3.78E-02
		Be-7	<2.37E-01	0.00E+00	2.37E-01
Sample ID: 378449	Sample Dates: 5/5/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.85E-02	0.00E+00	1.85E-02
		Cs-134	<9.20E-03	0.00E+00	9.20E-03
		Cs-137	<1.32E-02	0.00E+00	1.32E-02
		Be-7	<8.65E-02	0.00E+00	8.65E-02
Sample ID: 378945	Sample Dates: 5/12/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.18E-02	0.00E+00	3.18E-02
		Cs-134	<3.01E-02	0.00E+00	3.01E-02
		Cs-137	<3.15E-02	0.00E+00	3.15E-02
		Be-7	<1.57E-01	0.00E+00	1.57E-01
Sample ID: 379451	Sample Dates: 5/19/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.37E-02	0.00E+00	3.37E-02
		Cs-134	<2.72E-02	0.00E+00	2.72E-02
		Cs-137	<2.93E-02	0.00E+00	2.93E-02
		Be-7	<2.34E-01	0.00E+00	2.34E-01
Sample ID: 380175	Sample Dates: 5/26/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.80E-02	0.00E+00	2.80E-02
		Cs-134	<3.26E-02	0.00E+00	3.26E-02
		Cs-137	<2.67E-02	0.00E+00	2.67E-02
		Be-7	<1.91E-01	0.00E+00	1.91E-01
Sample ID: 380463	Sample Dates: 6/2/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.48E-02	0.00E+00	1.48E-02
		Cs-134	<9.18E-03	0.00E+00	9.18E-03
		Cs-137	<1.47E-02	0.00E+00	1.47E-02
		Be-7	<1.21E-01	0.00E+00	1.21E-01
Sample ID: 380795	Sample Dates: 6/9/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.48E-02	0.00E+00	3.48E-02
		Cs-134	<2.69E-02	0.00E+00	2.69E-02
		Cs-137	<2.90E-02	0.00E+00	2.90E-02
		Be-7	<2.04E-01	0.00E+00	2.04E-01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 201 [ INDICATOR - NE @ 0.5 miles ]

Sample ID:	380795	Sample Dates:	6/9/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
				K-40	1.08E+00	4.35E-01	3.71E-01
Sample ID:	381237	Sample Dates:	6/16/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<4.23E-02	0.00E+00	4.23E-02
				Cs-134	<2.25E-02	0.00E+00	2.25E-02
				Cs-137	<3.03E-02	0.00E+00	3.03E-02
				Be-7	<2.00E-01	0.00E+00	2.00E-01
				K-40	1.17E+00	4.60E-01	3.77E-01
Sample ID:	381589	Sample Dates:	6/23/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.70E-02	0.00E+00	3.70E-02
				Cs-134	<2.48E-02	0.00E+00	2.48E-02
				Cs-137	<4.07E-02	0.00E+00	4.07E-02
				Be-7	<1.83E-01	0.00E+00	1.83E-01
				K-40	1.32E+00	4.59E-01	1.02E-01
Sample ID:	382155	Sample Dates:	6/30/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.37E-02	0.00E+00	3.37E-02
				Cs-134	<2.49E-02	0.00E+00	2.49E-02
				Cs-137	<3.80E-02	0.00E+00	3.80E-02
				Be-7	<1.55E-01	0.00E+00	1.55E-01
				K-40	1.06E+00	3.96E-01	9.55E-02
Sample ID:	382581	Sample Dates:	7/7/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.37E-02	0.00E+00	3.37E-02
				Cs-134	<3.74E-02	0.00E+00	3.74E-02
				Cs-137	<4.13E-02	0.00E+00	4.13E-02
				Be-7	<2.03E-01	0.00E+00	2.03E-01
				K-40	8.35E-01	4.66E-01	5.82E-01
Sample ID:	383511	Sample Dates:	7/14/2015 - 7/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.88E-02	0.00E+00	2.88E-02
				Cs-134	<2.95E-02	0.00E+00	2.95E-02
				Cs-137	<3.81E-02	0.00E+00	3.81E-02
				Be-7	<2.40E-01	0.00E+00	2.40E-01
				K-40	1.12E+00	5.01E-01	5.74E-01
Sample ID:	384083	Sample Dates:	7/21/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<1.91E-02	0.00E+00	1.91E-02
				Cs-134	<1.38E-02	0.00E+00	1.38E-02
				Cs-137	<1.71E-02	0.00E+00	1.71E-02
				Be-7	<9.43E-02	0.00E+00	9.43E-02
				K-40	7.15E-01	2.69E-01	2.08E-01
Sample ID:	384633	Sample Dates:	7/28/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.74E-02	0.00E+00	2.74E-02
				Cs-134	<1.50E-02	0.00E+00	1.50E-02
				Cs-137	<9.11E-03	0.00E+00	9.11E-03
				Be-7	<1.41E-01	0.00E+00	1.41E-01
				K-40	8.82E-01	3.17E-01	2.92E-01
Sample ID:	385401	Sample Dates:	8/4/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.06E-02	0.00E+00	3.06E-02
				Cs-134	<2.82E-02	0.00E+00	2.82E-02
				Cs-137	<3.69E-02	0.00E+00	3.69E-02
				Be-7	<1.84E-01	0.00E+00	1.84E-01
				K-40	<1.09E+00	0.00E+00	1.09E+00
Sample ID:	385920	Sample Dates:	8/11/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<1.57E-02	0.00E+00	1.57E-02
				Cs-134	<1.35E-02	0.00E+00	1.35E-02
				Cs-137	<1.10E-02	0.00E+00	1.10E-02
				Be-7	<1.02E-01	0.00E+00	1.02E-01
				K-40	7.51E-01	2.56E-01	5.50E-02





# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 201 [ INDICATOR - NE @ 0.5 miles ]

Sample ID: 386815	Sample Dates: 8/18/2015 - 8/25/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.43E-02	0.00E+00	3.43E-02
		Cs-134	<3.08E-02	0.00E+00	3.08E-02
		Cs-137	<3.08E-02	0.00E+00	3.08E-02
		Be-7	<2.01E-01	0.00E+00	2.01E-01
		K-40	1.26E+00	4.57E-01	3.43E-01
Sample ID: 387407	Sample Dates: 8/25/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.01E-02	0.00E+00	2.01E-02
		Cs-134	<1.29E-02	0.00E+00	1.29E-02
		Cs-137	<1.31E-02	0.00E+00	1.31E-02
		Be-7	<1.32E-01	0.00E+00	1.32E-01
		K-40	1.03E+00	3.26E-01	2.34E-01
Sample ID: 388735	Sample Dates: 9/1/2015 - 9/8/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.12E-02	0.00E+00	3.12E-02
		Cs-134	<1.90E-02	0.00E+00	1.90E-02
		Cs-137	<2.62E-02	0.00E+00	2.62E-02
		Be-7	<2.03E-01	0.00E+00	2.03E-01
		K-40	1.45E+00	4.67E-01	9.56E-02
Sample ID: 389400	Sample Dates: 9/8/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.78E-02	0.00E+00	1.78E-02
		Cs-134	<1.15E-02	0.00E+00	1.15E-02
		Cs-137	<2.15E-02	0.00E+00	2.15E-02
		Be-7	<7.14E-02	0.00E+00	7.14E-02
		K-40	8.96E-01	2.96E-01	2.07E-01
Sample ID: 390001	Sample Dates: 9/15/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.47E-02	0.00E+00	2.47E-02
		Cs-134	<3.44E-02	0.00E+00	3.44E-02
		Cs-137	<2.86E-02	0.00E+00	2.86E-02
		Be-7	<2.26E-01	0.00E+00	2.26E-01
		K-40	1.30E+00	4.42E-01	9.54E-02
Sample ID: 390613	Sample Dates: 9/22/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.64E-02	0.00E+00	3.64E-02
		Cs-134	<2.53E-02	0.00E+00	2.53E-02
		Cs-137	<2.06E-02	0.00E+00	2.06E-02
		Be-7	<2.04E-01	0.00E+00	2.04E-01
		K-40	1.43E+00	4.69E-01	9.71E-02
Sample ID: 391922	Sample Dates: 9/29/2015 - 10/6/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.34E-02	0.00E+00	3.34E-02
		Cs-134	<2.98E-02	0.00E+00	2.98E-02
		Cs-137	<2.38E-02	0.00E+00	2.38E-02
		Be-7	<2.06E-01	0.00E+00	2.06E-01
		K-40	1.12E+00	4.37E-01	3.44E-01
Sample ID: 392222	Sample Dates: 10/6/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.13E-02	0.00E+00	4.13E-02
		Cs-134	<3.02E-02	0.00E+00	3.02E-02
		Cs-137	<2.41E-02	0.00E+00	2.41E-02
		Be-7	<1.94E-01	0.00E+00	1.94E-01
		K-40	<1.03E+00	0.00E+00	1.03E+00
Sample ID: 393421	Sample Dates: 10/13/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.73E-02	0.00E+00	4.73E-02
		Cs-134	<3.10E-02	0.00E+00	3.10E-02
		Cs-137	<2.88E-02	0.00E+00	2.88E-02
		Be-7	<2.06E-01	0.00E+00	2.06E-01
		K-40	7.59E-01	4.17E-01	5.06E-01
Sample ID: 393827	Sample Dates: 10/20/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.71E-02	0.00E+00	1.71E-02
		Cs-134	<1.53E-02	0.00E+00	1.53E-02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 201 [ INDICATOR - NE @ 0.5 miles ]

Sample ID: 393827	Sample Dates: 10/20/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-137	<1.90E-02	0.00E+00	1.90E-02
		Be-7	<1.25E-01	0.00E+00	1.25E-01
		K-40	7.25E-01	2.86E-01	2.76E-01
Sample ID: 394827	Sample Dates: 10/27/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.36E-02	0.00E+00	3.36E-02
		Cs-134	<3.22E-02	0.00E+00	3.22E-02
		Cs-137	<2.64E-02	0.00E+00	2.64E-02
		Be-7	<2.04E-01	0.00E+00	2.04E-01
Sample ID: 395295	Sample Dates: 11/3/2015 - 11/10/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.21E-02	0.00E+00	1.21E-02
		Cs-134	<1.77E-02	0.00E+00	1.77E-02
		Cs-137	<1.66E-02	0.00E+00	1.66E-02
		Be-7	<1.17E-01	0.00E+00	1.17E-01
Sample ID: 395620	Sample Dates: 11/10/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.62E-02	0.00E+00	3.62E-02
		Cs-134	<2.51E-02	0.00E+00	2.51E-02
		Cs-137	<3.11E-02	0.00E+00	3.11E-02
		Be-7	<2.03E-01	0.00E+00	2.03E-01
Sample ID: 396121	Sample Dates: 11/17/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.35E-02	0.00E+00	4.35E-02
		Cs-134	<2.41E-02	0.00E+00	2.41E-02
		Cs-137	<1.67E-02	0.00E+00	1.67E-02
		Be-7	<2.23E-01	0.00E+00	2.23E-01
Sample ID: 396629	Sample Dates: 11/24/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.05E-02	0.00E+00	4.05E-02
		Cs-134	<2.81E-02	0.00E+00	2.81E-02
		Cs-137	<2.04E-02	0.00E+00	2.04E-02
		Be-7	<2.70E-01	0.00E+00	2.70E-01
Sample ID: 397166	Sample Dates: 12/1/2015 - 12/8/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.98E-02	0.00E+00	3.98E-02
		Cs-134	<3.60E-02	0.00E+00	3.60E-02
		Cs-137	<2.46E-02	0.00E+00	2.46E-02
		Be-7	<1.97E-01	0.00E+00	1.97E-01
Sample ID: 397885	Sample Dates: 12/8/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.29E-02	0.00E+00	4.29E-02
		Cs-134	<3.15E-02	0.00E+00	3.15E-02
		Cs-137	<2.93E-02	0.00E+00	2.93E-02
		Be-7	<1.36E-01	0.00E+00	1.36E-01
Sample ID: 398282	Sample Dates: 12/15/2015 - 12/22/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.09E-02	0.00E+00	3.09E-02
		Cs-134	<1.39E-02	0.00E+00	1.39E-02
		Cs-137	<1.31E-02	0.00E+00	1.31E-02
		Be-7	<1.19E-01	0.00E+00	1.19E-01
Sample ID: 398660	Sample Dates: 12/22/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.37E-02	0.00E+00	4.37E-02
		Cs-134	<3.01E-02	0.00E+00	3.01E-02
		Cs-137	<2.69E-02	0.00E+00	2.69E-02
		Be-7	<2.20E-01	0.00E+00	2.20E-01



## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 201 [ INDICATOR - NE @ 0.5 miles ]

Sample ID:	398660	Sample Dates:	12/22/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				K-40	1.27E+00	4.70E-01	3.65E-01

Sample Point 202 [ INDICATOR - S @ 1 miles ]

Sample ID:	365061	Sample Dates:	12/30/2014 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.75E-02	0.00E+00	3.75E-02
				Cs-134	<2.27E-02	0.00E+00	2.27E-02
				Cs-137	<2.80E-02	0.00E+00	2.80E-02
				Be-7	<2.35E-01	0.00E+00	2.35E-01
				K-40	1.32E+00	4.67E-01	3.50E-01

Sample ID:	365293	Sample Dates:	1/6/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.58E-02	0.00E+00	2.58E-02
				Cs-134	<3.13E-02	0.00E+00	3.13E-02
				Cs-137	<2.80E-02	0.00E+00	2.80E-02
				Be-7	<1.04E-01	0.00E+00	1.04E-01
				K-40	9.21E-01	4.51E-01	5.32E-01

Sample ID:	366649	Sample Dates:	1/13/2015 - 1/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<1.77E-02	0.00E+00	1.77E-02
				Cs-134	<1.77E-02	0.00E+00	1.77E-02
				Cs-137	<1.82E-02	0.00E+00	1.82E-02
				Be-7	<1.16E-01	0.00E+00	1.16E-01
				K-40	1.27E+00	3.89E-01	2.71E-01

Sample ID:	367055	Sample Dates:	1/20/2015 - 1/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.61E-02	0.00E+00	2.61E-02
				Cs-134	<2.11E-02	0.00E+00	2.11E-02
				Cs-137	<1.99E-02	0.00E+00	1.99E-02
				Be-7	<1.84E-01	0.00E+00	1.84E-01
				K-40	8.52E-01	3.72E-01	4.00E-01

Sample ID:	367540	Sample Dates:	1/27/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.97E-02	0.00E+00	2.97E-02
				Cs-134	<2.05E-02	0.00E+00	2.05E-02
				Cs-137	<3.17E-02	0.00E+00	3.17E-02
				Be-7	<2.30E-01	0.00E+00	2.30E-01
				K-40	9.71E-01	4.60E-01	5.37E-01

Sample ID:	368967	Sample Dates:	2/3/2015 - 2/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.87E-02	0.00E+00	3.87E-02
				Cs-134	<3.33E-02	0.00E+00	3.33E-02
				Cs-137	<3.97E-02	0.00E+00	3.97E-02
				Be-7	<1.74E-01	0.00E+00	1.74E-01
				K-40	8.51E-01	4.06E-01	4.25E-01

Sample ID:	369690	Sample Dates:	2/10/2015 - 2/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<1.69E-02	0.00E+00	1.69E-02
				Cs-134	<1.48E-02	0.00E+00	1.48E-02
				Cs-137	<1.48E-02	0.00E+00	1.48E-02
				Be-7	<1.11E-01	0.00E+00	1.11E-01
				K-40	6.15E-01	2.75E-01	3.02E-01

Sample ID:	370596	Sample Dates:	2/17/2015 - 2/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.15E-02	0.00E+00	2.15E-02
				Cs-134	<7.32E-03	0.00E+00	7.32E-03
				Cs-137	<1.33E-02	0.00E+00	1.33E-02
				Be-7	<5.90E-02	0.00E+00	5.90E-02
				K-40	7.54E-01	2.72E-01	1.98E-01

Sample ID:	371535	Sample Dates:	2/24/2015 - 3/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<1.53E-02	0.00E+00	1.53E-02
				Cs-134	<1.63E-02	0.00E+00	1.63E-02
				Cs-137	<1.25E-02	0.00E+00	1.25E-02
				Be-7	<5.59E-02	0.00E+00	5.59E-02

# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 202 [ INDICATOR - S @ 1 miles ]

Sample ID:	371535	Sample Dates:	2/24/2015 - 3/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				K-40	8.18E-01	2.66E-01	5.41E-02
Sample ID:	371907	Sample Dates:	3/3/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<1.31E-02	0.00E+00	1.31E-02
				Cs-134	<1.61E-02	0.00E+00	1.61E-02
				Cs-137	<1.38E-02	0.00E+00	1.38E-02
				Be-7	<8.95E-02	0.00E+00	8.95E-02
				K-40	7.66E-01	2.55E-01	5.32E-02
Sample ID:	372401	Sample Dates:	3/10/2015 - 3/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<1.62E-02	0.00E+00	1.62E-02
				Cs-134	<1.43E-02	0.00E+00	1.43E-02
				Cs-137	<1.65E-02	0.00E+00	1.65E-02
				Be-7	<7.60E-02	0.00E+00	7.60E-02
				K-40	6.55E-01	2.90E-01	3.19E-01
Sample ID:	373823	Sample Dates:	3/17/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<1.76E-02	0.00E+00	1.76E-02
				Cs-134	<7.54E-03	0.00E+00	7.54E-03
				Cs-137	<1.79E-02	0.00E+00	1.79E-02
				Be-7	<9.93E-02	0.00E+00	9.93E-02
				K-40	8.73E-01	3.07E-01	2.50E-01
Sample ID:	374552	Sample Dates:	3/24/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.39E-02	0.00E+00	2.39E-02
				Cs-134	<2.84E-02	0.00E+00	2.84E-02
				Cs-137	<2.97E-02	0.00E+00	2.97E-02
				Be-7	<1.80E-01	0.00E+00	1.80E-01
				K-40	<8.19E-01	0.00E+00	8.19E-01
Sample ID:	374929	Sample Dates:	3/31/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<1.50E-02	0.00E+00	1.50E-02
				Cs-134	<1.53E-02	0.00E+00	1.53E-02
				Cs-137	<1.61E-02	0.00E+00	1.61E-02
				Be-7	<1.05E-01	0.00E+00	1.05E-01
				K-40	<5.47E-01	0.00E+00	5.47E-01
Sample ID:	375620	Sample Dates:	4/7/2015 - 4/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.21E-02	0.00E+00	3.21E-02
				Cs-134	<2.43E-02	0.00E+00	2.43E-02
				Cs-137	<2.30E-02	0.00E+00	2.30E-02
				Be-7	<1.69E-01	0.00E+00	1.69E-01
				K-40	8.86E-01	4.14E-01	4.38E-01
Sample ID:	376824	Sample Dates:	4/14/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.22E-02	0.00E+00	3.22E-02
				Cs-134	<2.76E-02	0.00E+00	2.76E-02
				Cs-137	<1.58E-02	0.00E+00	1.58E-02
				Be-7	<1.03E-01	0.00E+00	1.03E-01
				K-40	1.09E+00	4.58E-01	4.60E-01
Sample ID:	377486	Sample Dates:	4/21/2015 - 4/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<1.94E-02	0.00E+00	1.94E-02
				Cs-134	<1.38E-02	0.00E+00	1.38E-02
				Cs-137	<1.22E-02	0.00E+00	1.22E-02
				Be-7	<7.91E-02	0.00E+00	7.91E-02
				K-40	7.72E-01	3.11E-01	3.15E-01
Sample ID:	378050	Sample Dates:	4/28/2015 - 5/5/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.82E-02	0.00E+00	3.82E-02
				Cs-134	<2.77E-02	0.00E+00	2.77E-02
				Cs-137	<2.32E-02	0.00E+00	2.32E-02
				Be-7	<1.71E-01	0.00E+00	1.71E-01
				K-40	1.11E+00	5.09E-01	6.03E-01

# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 202 [ INDICATOR - S @ 1 miles ]

Sample ID: 378450	Sample Dates: 5/5/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.54E-02	0.00E+00	1.54E-02
		Cs-134	<1.57E-02	0.00E+00	1.57E-02
		Cs-137	<2.03E-02	0.00E+00	2.03E-02
		Be-7	<1.00E-01	0.00E+00	1.00E-01
Sample ID: 378946	Sample Dates: 5/12/2015 - 5/19/2015	K-40	1.02E+00	3.00E-01	5.41E-02
		Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.35E-02	0.00E+00	3.35E-02
		Cs-134	<2.26E-02	0.00E+00	2.26E-02
		Cs-137	<3.00E-02	0.00E+00	3.00E-02
Sample ID: 379452	Sample Dates: 5/19/2015 - 5/26/2015	Be-7	<1.82E-01	0.00E+00	1.82E-01
		K-40	<8.78E-01	0.00E+00	8.78E-01
		Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.18E-02	0.00E+00	3.18E-02
		Cs-134	<3.33E-02	0.00E+00	3.33E-02
Sample ID: 380176	Sample Dates: 5/26/2015 - 6/2/2015	Cs-137	<2.77E-02	0.00E+00	2.77E-02
		Be-7	<2.09E-01	0.00E+00	2.09E-01
		K-40	8.53E-01	3.49E-01	9.25E-02
		Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.54E-02	0.00E+00	3.54E-02
Sample ID: 380464	Sample Dates: 6/2/2015 - 6/9/2015	Cs-134	<3.22E-02	0.00E+00	3.22E-02
		Cs-137	<2.99E-02	0.00E+00	2.99E-02
		Be-7	<2.31E-01	0.00E+00	2.31E-01
		K-40	1.23E+00	4.55E-01	3.69E-01
		Nuclide	Activity	2 Sigma Error	LLD
Sample ID: 380796	Sample Dates: 6/9/2015 - 6/16/2015	I-131	<1.77E-02	0.00E+00	1.77E-02
		Cs-134	<1.24E-02	0.00E+00	1.24E-02
		Cs-137	<1.19E-02	0.00E+00	1.19E-02
		Be-7	<7.71E-02	0.00E+00	7.71E-02
		K-40	6.46E-01	2.42E-01	5.83E-02
Sample ID: 381238	Sample Dates: 6/16/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.78E-02	0.00E+00	2.78E-02
		Cs-134	<2.03E-02	0.00E+00	2.03E-02
		Cs-137	<2.95E-02	0.00E+00	2.95E-02
		Be-7	<1.92E-01	0.00E+00	1.92E-01
Sample ID: 381590	Sample Dates: 6/23/2015 - 6/30/2015	K-40	7.08E-01	3.15E-01	9.14E-02
		Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.82E-02	0.00E+00	3.82E-02
		Cs-134	<2.22E-02	0.00E+00	2.22E-02
		Cs-137	<3.33E-02	0.00E+00	3.33E-02
Sample ID: 382156	Sample Dates: 6/30/2015 - 7/7/2015	Be-7	<1.49E-01	0.00E+00	1.49E-01
		K-40	9.47E-01	3.67E-01	9.17E-02
		Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.82E-02	0.00E+00	2.82E-02
		Cs-134	<2.85E-02	0.00E+00	2.85E-02
Sample ID: 382582	Sample Dates: 7/7/2015 - 7/14/2015	Cs-137	<2.77E-02	0.00E+00	2.77E-02
		Be-7	<1.81E-01	0.00E+00	1.81E-01
		K-40	1.13E+00	4.03E-01	9.24E-02
		Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.03E-02	0.00E+00	3.03E-02
		Cs-134	<3.32E-02	0.00E+00	3.32E-02
		Cs-137	<2.53E-02	0.00E+00	2.53E-02
		Be-7	<1.96E-01	0.00E+00	1.96E-01
		K-40	8.04E-01	4.28E-01	5.26E-01
		Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.13E-02	0.00E+00	3.13E-02
		Cs-134	<2.03E-02	0.00E+00	2.03E-02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 202 [ INDICATOR - S @ 1 miles ]

Sample ID: 382582	Sample Dates: 7/7/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-137	<2.51E-02	0.00E+00	2.51E-02
		Be-7	<1.64E-01	0.00E+00	1.64E-01
		K-40	1.52E+00	4.70E-01	9.15E-02
Sample ID: 383512	Sample Dates: 7/14/2015 - 7/21/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.50E-02	0.00E+00	3.50E-02
		Cs-134	<2.70E-02	0.00E+00	2.70E-02
		Cs-137	<2.26E-02	0.00E+00	2.26E-02
		Be-7	<2.08E-01	0.00E+00	2.08E-01
		K-40	1.12E+00	4.00E-01	9.18E-02
Sample ID: 384084	Sample Dates: 7/21/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.22E-02	0.00E+00	2.22E-02
		Cs-134	<1.10E-02	0.00E+00	1.10E-02
		Cs-137	<1.67E-02	0.00E+00	1.67E-02
		Be-7	<6.03E-02	0.00E+00	6.03E-02
		K-40	7.93E-01	2.90E-01	2.31E-01
Sample ID: 384634	Sample Dates: 7/28/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.44E-02	0.00E+00	2.44E-02
		Cs-134	<1.38E-02	0.00E+00	1.38E-02
		Cs-137	<1.49E-02	0.00E+00	1.49E-02
		Be-7	<1.11E-01	0.00E+00	1.11E-01
		K-40	9.01E-01	3.04E-01	2.59E-01
Sample ID: 385402	Sample Dates: 8/4/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.52E-02	0.00E+00	3.52E-02
		Cs-134	<2.84E-02	0.00E+00	2.84E-02
		Cs-137	<2.27E-02	0.00E+00	2.27E-02
		Be-7	<1.29E-01	0.00E+00	1.29E-01
		K-40	<9.01E-01	0.00E+00	9.01E-01
Sample ID: 385921	Sample Dates: 8/11/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.35E-02	0.00E+00	2.35E-02
		Cs-134	<1.23E-02	0.00E+00	1.23E-02
		Cs-137	<1.79E-02	0.00E+00	1.79E-02
		Be-7	<7.67E-02	0.00E+00	7.67E-02
		K-40	9.45E-01	3.30E-01	2.97E-01
Sample ID: 386816	Sample Dates: 8/18/2015 - 8/25/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.44E-02	0.00E+00	3.44E-02
		Cs-134	<2.69E-02	0.00E+00	2.69E-02
		Cs-137	<1.54E-02	0.00E+00	1.54E-02
		Be-7	<1.65E-01	0.00E+00	1.65E-01
		K-40	1.21E+00	4.64E-01	4.27E-01
Sample ID: 387408	Sample Dates: 8/25/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.46E-02	0.00E+00	1.46E-02
		Cs-134	<1.14E-02	0.00E+00	1.14E-02
		Cs-137	<1.27E-02	0.00E+00	1.27E-02
		Be-7	<9.99E-02	0.00E+00	9.99E-02
		K-40	7.29E-01	2.52E-01	5.49E-02
Sample ID: 388736	Sample Dates: 9/1/2015 - 9/8/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.96E-02	0.00E+00	2.96E-02
		Cs-134	<1.81E-02	0.00E+00	1.81E-02
		Cs-137	<3.12E-02	0.00E+00	3.12E-02
		Be-7	<1.80E-01	0.00E+00	1.80E-01
		K-40	1.37E+00	4.44E-01	9.08E-02
Sample ID: 389401	Sample Dates: 9/8/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.42E-02	0.00E+00	1.42E-02
		Cs-134	<1.31E-02	0.00E+00	1.31E-02
		Cs-137	<1.51E-02	0.00E+00	1.51E-02
		Be-7	<1.41E-01	0.00E+00	1.41E-01





# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 202 [ INDICATOR - S @ 1 miles ]

Sample ID:	389401	Sample Dates:	9/8/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				K-40	8.14E-01	2.81E-01	2.10E-01
Sample ID:	390002	Sample Dates:	9/15/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.14E-02	0.00E+00	2.14E-02
				Cs-134	<2.05E-02	0.00E+00	2.05E-02
				Cs-137	<1.56E-02	0.00E+00	1.56E-02
				Be-7	<1.95E-01	0.00E+00	1.95E-01
				K-40	1.42E+00	4.95E-01	4.09E-01
Sample ID:	390614	Sample Dates:	9/22/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.18E-02	0.00E+00	3.18E-02
				Cs-134	<2.44E-02	0.00E+00	2.44E-02
				Cs-137	<3.56E-02	0.00E+00	3.56E-02
				Be-7	<2.09E-01	0.00E+00	2.09E-01
				K-40	1.21E+00	4.20E-01	9.35E-02
Sample ID:	391923	Sample Dates:	9/29/2015 - 10/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.82E-02	0.00E+00	2.82E-02
				Cs-134	<2.09E-02	0.00E+00	2.09E-02
				Cs-137	<3.22E-02	0.00E+00	3.22E-02
				Be-7	<1.99E-01	0.00E+00	1.99E-01
				K-40	1.21E+00	4.22E-01	9.39E-02
Sample ID:	392223	Sample Dates:	10/6/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.91E-02	0.00E+00	2.91E-02
				Cs-134	<2.13E-02	0.00E+00	2.13E-02
				Cs-137	<2.87E-02	0.00E+00	2.87E-02
				Be-7	<1.56E-01	0.00E+00	1.56E-01
				K-40	1.29E+00	4.65E-01	3.43E-01
Sample ID:	393422	Sample Dates:	10/13/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<4.20E-02	0.00E+00	4.20E-02
				Cs-134	<2.77E-02	0.00E+00	2.77E-02
				Cs-137	<3.76E-02	0.00E+00	3.76E-02
				Be-7	<2.15E-01	0.00E+00	2.15E-01
				K-40	1.12E+00	4.05E-01	9.44E-02
Sample ID:	393828	Sample Dates:	10/20/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.13E-02	0.00E+00	2.13E-02
				Cs-134	<1.26E-02	0.00E+00	1.26E-02
				Cs-137	<1.83E-02	0.00E+00	1.83E-02
				Be-7	<1.01E-01	0.00E+00	1.01E-01
				K-40	7.58E-01	3.12E-01	3.27E-01
Sample ID:	394828	Sample Dates:	10/27/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.87E-02	0.00E+00	2.87E-02
				Cs-134	<2.62E-02	0.00E+00	2.62E-02
				Cs-137	<2.32E-02	0.00E+00	2.32E-02
				Be-7	<1.53E-01	0.00E+00	1.53E-01
				K-40	9.16E-01	4.62E-01	5.60E-01
Sample ID:	395296	Sample Dates:	11/3/2015 - 11/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<1.88E-02	0.00E+00	1.88E-02
				Cs-134	<1.52E-02	0.00E+00	1.52E-02
				Cs-137	<1.42E-02	0.00E+00	1.42E-02
				Be-7	<1.16E-01	0.00E+00	1.16E-01
				K-40	6.99E-01	3.13E-01	3.72E-01
Sample ID:	395621	Sample Dates:	11/10/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.71E-02	0.00E+00	2.71E-02
				Cs-134	<2.32E-02	0.00E+00	2.32E-02
				Cs-137	<3.65E-02	0.00E+00	3.65E-02
				Be-7	<1.54E-01	0.00E+00	1.54E-01
				K-40	8.12E-01	3.45E-01	9.57E-02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 202 [ INDICATOR - S @ 1 miles ]

Sample ID: 396122	Sample Dates: 11/17/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<5.55E-02	0.00E+00	5.55E-02
		Cs-134	<2.31E-02	0.00E+00	2.31E-02
		Cs-137	<2.65E-02	0.00E+00	2.65E-02
		Be-7	<2.23E-01	0.00E+00	2.23E-01
		K-40	8.24E-01	4.38E-01	5.53E-01
Sample ID: 396630	Sample Dates: 11/24/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.01E-02	0.00E+00	4.01E-02
		Cs-134	<2.30E-02	0.00E+00	2.30E-02
		Cs-137	<2.02E-02	0.00E+00	2.02E-02
		Be-7	<2.00E-01	0.00E+00	2.00E-01
		K-40	1.21E+00	4.68E-01	4.19E-01
Sample ID: 397167	Sample Dates: 12/1/2015 - 12/8/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.55E-02	0.00E+00	3.55E-02
		Cs-134	<2.87E-02	0.00E+00	2.87E-02
		Cs-137	<3.16E-02	0.00E+00	3.16E-02
		Be-7	<1.77E-01	0.00E+00	1.77E-01
		K-40	<1.02E+00	0.00E+00	1.02E+00
Sample ID: 397886	Sample Dates: 12/8/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.11E-02	0.00E+00	3.11E-02
		Cs-134	<2.94E-02	0.00E+00	2.94E-02
		Cs-137	<1.61E-02	0.00E+00	1.61E-02
		Be-7	<2.14E-01	0.00E+00	2.14E-01
		K-40	1.27E+00	4.66E-01	3.68E-01
Sample ID: 398283	Sample Dates: 12/15/2015 - 12/22/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.65E-02	0.00E+00	1.65E-02
		Cs-134	<1.31E-02	0.00E+00	1.31E-02
		Cs-137	<1.15E-02	0.00E+00	1.15E-02
		Be-7	<9.17E-02	0.00E+00	9.17E-02
		K-40	1.08E+00	3.35E-01	2.29E-01
Sample ID: 398661	Sample Dates: 12/22/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.85E-02	0.00E+00	2.85E-02
		Cs-134	<3.04E-02	0.00E+00	3.04E-02
		Cs-137	<2.59E-02	0.00E+00	2.59E-02
		Be-7	<1.87E-01	0.00E+00	1.87E-01
		K-40	9.40E-01	3.70E-01	9.43E-02

## Sample Point 203 [ INDICATOR - SSW @ 2 miles ]

Sample ID: 365062	Sample Dates: 12/30/2014 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.40E-02	0.00E+00	3.40E-02
		Cs-134	<3.15E-02	0.00E+00	3.15E-02
		Cs-137	<2.69E-02	0.00E+00	2.69E-02
		Be-7	<1.94E-01	0.00E+00	1.94E-01
		K-40	8.30E-01	3.53E-01	9.78E-02
Sample ID: 365294	Sample Dates: 1/6/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.67E-02	0.00E+00	1.67E-02
		Cs-134	<1.24E-02	0.00E+00	1.24E-02
		Cs-137	<1.27E-02	0.00E+00	1.27E-02
		Be-7	<1.05E-01	0.00E+00	1.05E-01
		K-40	1.13E+00	2.95E-01	2.65E-01
Sample ID: 366650	Sample Dates: 1/13/2015 - 1/20/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.66E-02	0.00E+00	2.66E-02
		Cs-134	<1.85E-02	0.00E+00	1.85E-02
		Cs-137	<2.64E-02	0.00E+00	2.64E-02
		Be-7	<1.58E-01	0.00E+00	1.58E-01
		K-40	<7.99E-01	0.00E+00	7.99E-01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 203 [ INDICATOR - SSW @ 2 miles ]

Sample ID: 367056	Sample Dates: 1/20/2015 - 1/27/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.09E-02	0.00E+00	2.09E-02
		Cs-134	<1.43E-02	0.00E+00	1.43E-02
		Cs-137	<1.92E-02	0.00E+00	1.92E-02
		Be-7	<9.42E-02	0.00E+00	9.42E-02
		K-40	6.86E-01	2.58E-01	6.20E-02
Sample ID: 367541	Sample Dates: 1/27/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.07E-02	0.00E+00	4.07E-02
		Cs-134	<2.53E-02	0.00E+00	2.53E-02
		Cs-137	<3.13E-02	0.00E+00	3.13E-02
		Be-7	<1.56E-01	0.00E+00	1.56E-01
		K-40	1.20E+00	5.39E-01	6.41E-01
Sample ID: 368968	Sample Dates: 2/3/2015 - 2/10/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.53E-02	0.00E+00	2.53E-02
		Cs-134	<1.38E-02	0.00E+00	1.38E-02
		Cs-137	<3.67E-02	0.00E+00	3.67E-02
		Be-7	<2.97E-01	0.00E+00	2.97E-01
		K-40	<1.07E+00	0.00E+00	1.07E+00
Sample ID: 369691	Sample Dates: 2/10/2015 - 2/17/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.57E-02	0.00E+00	4.57E-02
		Cs-134	<2.78E-02	0.00E+00	2.78E-02
		Cs-137	<4.24E-02	0.00E+00	4.24E-02
		Be-7	<1.86E-01	0.00E+00	1.86E-01
		K-40	1.06E+00	4.96E-01	1.52E-01
Sample ID: 370597	Sample Dates: 2/17/2015 - 2/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.34E-02	0.00E+00	3.34E-02
		Cs-134	<2.24E-02	0.00E+00	2.24E-02
		Cs-137	<3.45E-02	0.00E+00	3.45E-02
		Be-7	<1.99E-01	0.00E+00	1.99E-01
		K-40	1.19E+00	4.66E-01	3.88E-01
Sample ID: 371536	Sample Dates: 2/24/2015 - 3/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.66E-02	0.00E+00	1.66E-02
		Cs-134	<1.46E-02	0.00E+00	1.46E-02
		Cs-137	<1.19E-02	0.00E+00	1.19E-02
		Be-7	<1.32E-01	0.00E+00	1.32E-01
		K-40	5.70E-01	2.68E-01	2.90E-01
Sample ID: 371908	Sample Dates: 3/3/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.53E-02	0.00E+00	1.53E-02
		Cs-134	<1.56E-02	0.00E+00	1.56E-02
		Cs-137	<1.65E-02	0.00E+00	1.65E-02
		Be-7	<1.33E-01	0.00E+00	1.33E-01
		K-40	8.47E-01	3.17E-01	2.73E-01
Sample ID: 372402	Sample Dates: 3/10/2015 - 3/17/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.40E-02	0.00E+00	2.40E-02
		Cs-134	<3.01E-02	0.00E+00	3.01E-02
		Cs-137	<2.68E-02	0.00E+00	2.68E-02
		Be-7	<1.77E-01	0.00E+00	1.77E-01
		K-40	1.55E+00	4.89E-01	9.76E-02
Sample ID: 373824	Sample Dates: 3/17/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.62E-02	0.00E+00	1.62E-02
		Cs-134	<1.34E-02	0.00E+00	1.34E-02
		Cs-137	<1.37E-02	0.00E+00	1.37E-02
		Be-7	<9.88E-02	0.00E+00	9.88E-02
		K-40	8.75E-01	2.83E-01	5.78E-02
Sample ID: 374553	Sample Dates: 3/24/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.99E-02	0.00E+00	2.99E-02
		Cs-134	<2.56E-02	0.00E+00	2.56E-02

# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 203 [ INDICATOR - SSW @ 2 miles ]

Sample ID: 374553	Sample Dates: 3/24/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-137	<2.70E-02	0.00E+00	2.70E-02
		Be-7	<2.20E-01	0.00E+00	2.20E-01
		K-40	1.40E+00	5.15E-01	4.61E-01
Sample ID: 374930	Sample Dates: 3/31/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.83E-02	0.00E+00	1.83E-02
		Cs-134	<1.69E-02	0.00E+00	1.69E-02
		Cs-137	<1.70E-02	0.00E+00	1.70E-02
		Be-7	<1.19E-01	0.00E+00	1.19E-01
Sample ID: 375621	Sample Dates: 4/7/2015 - 4/14/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.02E-02	0.00E+00	4.02E-02
		Cs-134	<1.92E-02	0.00E+00	1.92E-02
		Cs-137	<2.89E-02	0.00E+00	2.89E-02
		Be-7	<1.75E-01	0.00E+00	1.75E-01
Sample ID: 376825	Sample Dates: 4/14/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.66E-02	0.00E+00	3.66E-02
		Cs-134	<2.53E-02	0.00E+00	2.53E-02
		Cs-137	<2.67E-02	0.00E+00	2.67E-02
		Be-7	<1.90E-01	0.00E+00	1.90E-01
Sample ID: 377487	Sample Dates: 4/21/2015 - 4/28/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.16E-02	0.00E+00	2.16E-02
		Cs-134	<1.22E-02	0.00E+00	1.22E-02
		Cs-137	<1.35E-02	0.00E+00	1.35E-02
		Be-7	<1.23E-01	0.00E+00	1.23E-01
Sample ID: 378051	Sample Dates: 4/28/2015 - 5/5/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.57E-02	0.00E+00	3.57E-02
		Cs-134	<2.69E-02	0.00E+00	2.69E-02
		Cs-137	<3.12E-02	0.00E+00	3.12E-02
		Be-7	<2.06E-01	0.00E+00	2.06E-01
Sample ID: 378451	Sample Dates: 5/5/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.72E-02	0.00E+00	1.72E-02
		Cs-134	<1.29E-02	0.00E+00	1.29E-02
		Cs-137	<1.24E-02	0.00E+00	1.24E-02
		Be-7	<1.14E-01	0.00E+00	1.14E-01
Sample ID: 378947	Sample Dates: 5/12/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.93E-02	0.00E+00	2.93E-02
		Cs-134	<2.95E-02	0.00E+00	2.95E-02
		Cs-137	<2.36E-02	0.00E+00	2.36E-02
		Be-7	<1.88E-01	0.00E+00	1.88E-01
Sample ID: 379453	Sample Dates: 5/19/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.81E-02	0.00E+00	3.81E-02
		Cs-134	<2.80E-02	0.00E+00	2.80E-02
		Cs-137	<3.07E-02	0.00E+00	3.07E-02
		Be-7	<1.55E-01	0.00E+00	1.55E-01
Sample ID: 380177	Sample Dates: 5/26/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.99E-02	0.00E+00	1.99E-02
		Cs-134	<2.54E-02	0.00E+00	2.54E-02
		Cs-137	<3.14E-02	0.00E+00	3.14E-02
		Be-7	<1.75E-01	0.00E+00	1.75E-01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 203 [ INDICATOR - SSW @ 2 miles ]

Sample ID:	380177	Sample Dates:	5/26/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
				K-40	1.19E+00	4.25E-01	9.75E-02
Sample ID:	380465	Sample Dates:	6/2/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.49E-02	0.00E+00	3.49E-02
				Cs-134	<2.67E-02	0.00E+00	2.67E-02
				Cs-137	<3.10E-02	0.00E+00	3.10E-02
				Be-7	<1.90E-01	0.00E+00	1.90E-01
				K-40	1.24E+00	4.32E-01	9.60E-02
Sample ID:	380797	Sample Dates:	6/9/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.73E-02	0.00E+00	3.73E-02
				Cs-134	<2.64E-02	0.00E+00	2.64E-02
				Cs-137	<2.34E-02	0.00E+00	2.34E-02
				Be-7	<2.00E-01	0.00E+00	2.00E-01
				K-40	1.32E+00	4.91E-01	4.40E-01
Sample ID:	381239	Sample Dates:	6/16/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.61E-02	0.00E+00	3.61E-02
				Cs-134	<2.57E-02	0.00E+00	2.57E-02
				Cs-137	<3.39E-02	0.00E+00	3.39E-02
				Be-7	<1.95E-01	0.00E+00	1.95E-01
				K-40	1.38E+00	4.63E-01	9.87E-02
Sample ID:	381591	Sample Dates:	6/23/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.31E-02	0.00E+00	3.31E-02
				Cs-134	<2.96E-02	0.00E+00	2.96E-02
				Cs-137	<2.36E-02	0.00E+00	2.36E-02
				Be-7	<1.88E-01	0.00E+00	1.88E-01
				K-40	3.22E-01	4.35E-01	7.20E-01
Sample ID:	382157	Sample Dates:	6/30/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.16E-02	0.00E+00	3.16E-02
				Cs-134	<2.50E-02	0.00E+00	2.50E-02
				Cs-137	<3.28E-02	0.00E+00	3.28E-02
				Be-7	<1.90E-01	0.00E+00	1.90E-01
				K-40	1.23E+00	5.01E-01	5.21E-01
Sample ID:	382583	Sample Dates:	7/7/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.73E-02	0.00E+00	3.73E-02
				Cs-134	<2.79E-02	0.00E+00	2.79E-02
				Cs-137	<3.79E-02	0.00E+00	3.79E-02
				Be-7	<2.37E-01	0.00E+00	2.37E-01
				K-40	1.40E+00	4.93E-01	3.90E-01
Sample ID:	383513	Sample Dates:	7/14/2015 - 7/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.63E-02	0.00E+00	2.63E-02
				Cs-134	<2.32E-02	0.00E+00	2.32E-02
				Cs-137	<4.53E-02	0.00E+00	4.53E-02
				Be-7	<1.34E-01	0.00E+00	1.34E-01
				K-40	1.06E+00	3.96E-01	9.56E-02
Sample ID:	384085	Sample Dates:	7/21/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<1.72E-02	0.00E+00	1.72E-02
				Cs-134	<1.50E-02	0.00E+00	1.50E-02
				Cs-137	<3.37E-03	0.00E+00	3.37E-03
				Be-7	<8.59E-02	0.00E+00	8.59E-02
				K-40	<6.07E-01	0.00E+00	6.07E-01
Sample ID:	384635	Sample Dates:	7/28/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.61E-02	0.00E+00	2.61E-02
				Cs-134	<1.15E-02	0.00E+00	1.15E-02
				Cs-137	<1.23E-02	0.00E+00	1.23E-02
				Be-7	<1.19E-01	0.00E+00	1.19E-01
				K-40	9.38E-01	3.17E-01	2.28E-01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 203 [ INDICATOR - SSW @ 2 miles ]

Sample ID: 385403	Sample Dates: 8/4/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.43E-02	0.00E+00	4.43E-02
		Cs-134	<3.22E-02	0.00E+00	3.22E-02
		Cs-137	<3.82E-02	0.00E+00	3.82E-02
		Be-7	<2.62E-01	0.00E+00	2.62E-01
		K-40	1.06E+00	3.98E-01	9.60E-02
Sample ID: 385922	Sample Dates: 8/11/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.36E-02	0.00E+00	3.36E-02
		Cs-134	<2.66E-02	0.00E+00	2.66E-02
		Cs-137	<2.87E-02	0.00E+00	2.87E-02
		Be-7	<2.30E-01	0.00E+00	2.30E-01
		K-40	9.03E-01	4.85E-01	6.22E-01
Sample ID: 386817	Sample Dates: 8/18/2015 - 8/25/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.70E-02	0.00E+00	2.70E-02
		Cs-134	<2.32E-02	0.00E+00	2.32E-02
		Cs-137	<3.09E-02	0.00E+00	3.09E-02
		Be-7	<1.87E-01	0.00E+00	1.87E-01
		K-40	1.13E+00	4.78E-01	5.00E-01
Sample ID: 387409	Sample Dates: 8/25/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.38E-02	0.00E+00	1.38E-02
		Cs-134	<1.46E-02	0.00E+00	1.46E-02
		Cs-137	<1.81E-02	0.00E+00	1.81E-02
		Be-7	<1.10E-01	0.00E+00	1.10E-01
		K-40	7.78E-01	2.91E-01	2.61E-01
Sample ID: 388737	Sample Dates: 9/1/2015 - 9/8/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.81E-02	0.00E+00	3.81E-02
		Cs-134	<2.62E-02	0.00E+00	2.62E-02
		Cs-137	<3.04E-02	0.00E+00	3.04E-02
		Be-7	<1.53E-01	0.00E+00	1.53E-01
		K-40	<9.97E-01	0.00E+00	9.97E-01
Sample ID: 389402	Sample Dates: 9/8/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.35E-02	0.00E+00	1.35E-02
		Cs-134	<1.35E-02	0.00E+00	1.35E-02
		Cs-137	<1.28E-02	0.00E+00	1.28E-02
		Be-7	<8.29E-02	0.00E+00	8.29E-02
		K-40	1.04E+00	3.50E-01	3.37E-01
Sample ID: 390003	Sample Dates: 9/15/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.11E-02	0.00E+00	3.11E-02
		Cs-134	<3.45E-02	0.00E+00	3.45E-02
		Cs-137	<3.29E-02	0.00E+00	3.29E-02
		Be-7	<2.15E-01	0.00E+00	2.15E-01
		K-40	1.03E+00	3.90E-01	9.69E-02
Sample ID: 390615	Sample Dates: 9/22/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.63E-02	0.00E+00	3.63E-02
		Cs-134	<2.52E-02	0.00E+00	2.52E-02
		Cs-137	<3.51E-02	0.00E+00	3.51E-02
		Be-7	<2.04E-01	0.00E+00	2.04E-01
		K-40	9.04E-01	4.33E-01	4.76E-01
Sample ID: 391924	Sample Dates: 9/29/2015 - 10/6/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.13E-02	0.00E+00	3.13E-02
		Cs-134	<2.69E-02	0.00E+00	2.69E-02
		Cs-137	<3.12E-02	0.00E+00	3.12E-02
		Be-7	<2.06E-01	0.00E+00	2.06E-01
		K-40	1.22E+00	4.29E-01	9.68E-02
Sample ID: 392224	Sample Dates: 10/6/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.24E-02	0.00E+00	3.24E-02
		Cs-134	<3.18E-02	0.00E+00	3.18E-02





# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 203 [ INDICATOR - SSW @ 2 miles ]

Sample ID: 392224	Sample Dates: 10/6/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-137	<3.19E-02	0.00E+00	3.19E-02
		Be-7	<2.37E-01	0.00E+00	2.37E-01
		K-40	6.61E-01	4.05E-01	5.18E-01
Sample ID: 393423	Sample Dates: 10/13/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.83E-02	0.00E+00	3.83E-02
		Cs-134	<2.53E-02	0.00E+00	2.53E-02
		Cs-137	<3.12E-02	0.00E+00	3.12E-02
		Be-7	<1.76E-01	0.00E+00	1.76E-01
		K-40	1.32E+00	4.48E-01	9.69E-02
Sample ID: 393829	Sample Dates: 10/20/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<8.98E-03	0.00E+00	8.98E-03
		Cs-134	<1.39E-02	0.00E+00	1.39E-02
		Cs-137	<1.31E-02	0.00E+00	1.31E-02
		Be-7	<1.33E-01	0.00E+00	1.33E-01
		K-40	7.15E-01	2.53E-01	5.70E-02
Sample ID: 394829	Sample Dates: 10/27/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.77E-02	0.00E+00	3.77E-02
		Cs-134	<1.67E-02	0.00E+00	1.67E-02
		Cs-137	<2.67E-02	0.00E+00	2.67E-02
		Be-7	<2.20E-01	0.00E+00	2.20E-01
		K-40	1.40E+00	4.63E-01	9.71E-02
Sample ID: 395297	Sample Dates: 11/3/2015 - 11/10/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.75E-02	0.00E+00	1.75E-02
		Cs-134	<1.45E-02	0.00E+00	1.45E-02
		Cs-137	<1.67E-02	0.00E+00	1.67E-02
		Be-7	<1.24E-01	0.00E+00	1.24E-01
		K-40	6.67E-01	2.47E-01	5.83E-02
Sample ID: 395622	Sample Dates: 11/10/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.09E-02	0.00E+00	4.09E-02
		Cs-134	<2.70E-02	0.00E+00	2.70E-02
		Cs-137	<3.33E-02	0.00E+00	3.33E-02
		Be-7	<3.92E-02	0.00E+00	3.92E-02
		K-40	1.11E+00	4.09E-01	9.71E-02
Sample ID: 396123	Sample Dates: 11/17/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<5.29E-02	0.00E+00	5.29E-02
		Cs-134	<3.22E-02	0.00E+00	3.22E-02
		Cs-137	<3.42E-02	0.00E+00	3.42E-02
		Be-7	<2.52E-01	0.00E+00	2.52E-01
		K-40	1.18E+00	4.27E-01	9.96E-02
Sample ID: 396631	Sample Dates: 11/24/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.53E-02	0.00E+00	2.53E-02
		Cs-134	<2.53E-02	0.00E+00	2.53E-02
		Cs-137	<3.33E-02	0.00E+00	3.33E-02
		Be-7	<2.05E-01	0.00E+00	2.05E-01
		K-40	1.36E+00	4.56E-01	9.71E-02
Sample ID: 397168	Sample Dates: 12/1/2015 - 12/8/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.01E-02	0.00E+00	4.01E-02
		Cs-134	<2.62E-02	0.00E+00	2.62E-02
		Cs-137	<3.45E-02	0.00E+00	3.45E-02
		Be-7	<1.63E-01	0.00E+00	1.63E-01
		K-40	1.30E+00	4.52E-01	1.01E-01
Sample ID: 397887	Sample Dates: 12/8/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.79E-02	0.00E+00	2.79E-02
		Cs-134	<3.02E-02	0.00E+00	3.02E-02
		Cs-137	<3.73E-02	0.00E+00	3.73E-02
		Be-7	<1.58E-01	0.00E+00	1.58E-01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 203 [ INDICATOR - SSW @ 2 miles ]

Sample ID: 397887	Sample Dates: 12/8/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		K-40	1.20E+00	4.59E-01	3.74E-01
Sample ID: 398284	Sample Dates: 12/15/2015 - 12/22/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.53E-02	0.00E+00	3.53E-02
		Cs-134	<1.57E-02	0.00E+00	1.57E-02
		Cs-137	<2.18E-02	0.00E+00	2.18E-02
		Be-7	<1.13E-01	0.00E+00	1.13E-01
Sample ID: 398662	Sample Dates: 12/22/2015 - 12/29/2015	K-40	7.71E-01	3.13E-01	3.08E-01
		Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.88E-02	0.00E+00	3.88E-02
		Cs-134	<2.52E-02	0.00E+00	2.52E-02
		Cs-137	<2.89E-02	0.00E+00	2.89E-02
		Be-7	<1.75E-01	0.00E+00	1.75E-01
		K-40	9.02E-01	3.95E-01	3.43E-01

## Sample Point 204 [ CONTROL - NNE @ 22.4 miles ]

Sample ID: 365063	Sample Dates: 12/30/2014 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.05E-02	0.00E+00	4.05E-02
		Cs-134	<2.90E-02	0.00E+00	2.90E-02
		Cs-137	<2.96E-02	0.00E+00	2.96E-02
		Be-7	<2.24E-01	0.00E+00	2.24E-01
Sample ID: 365295	Sample Dates: 1/6/2015 - 1/13/2015	K-40	1.24E+00	4.37E-01	9.88E-02
		Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.73E-02	0.00E+00	3.73E-02
		Cs-134	<3.08E-02	0.00E+00	3.08E-02
		Cs-137	<2.12E-02	0.00E+00	2.12E-02
Sample ID: 366651	Sample Dates: 1/13/2015 - 1/20/2015	Be-7	<2.27E-01	0.00E+00	2.27E-01
		K-40	1.07E+00	4.06E-01	9.97E-02
		Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.96E-02	0.00E+00	1.96E-02
		Cs-134	<1.56E-02	0.00E+00	1.56E-02
Sample ID: 367057	Sample Dates: 1/20/2015 - 1/27/2015	Cs-137	<2.30E-02	0.00E+00	2.30E-02
		Be-7	<1.07E-01	0.00E+00	1.07E-01
		K-40	8.53E-01	3.17E-01	2.67E-01
		Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.58E-02	0.00E+00	1.58E-02
Sample ID: 367542	Sample Dates: 1/27/2015 - 2/3/2015	Cs-134	<1.56E-02	0.00E+00	1.56E-02
		Cs-137	<1.82E-02	0.00E+00	1.82E-02
		Be-7	<1.09E-01	0.00E+00	1.09E-01
		K-40	7.78E-01	2.67E-01	5.85E-02
		Nuclide	Activity	2 Sigma Error	LLD
Sample ID: 367542	Sample Dates: 1/27/2015 - 2/3/2015	I-131	<4.32E-02	0.00E+00	4.32E-02
		Cs-134	<2.22E-02	0.00E+00	2.22E-02
		Cs-137	<3.81E-02	0.00E+00	3.81E-02
		Be-7	<2.25E-01	0.00E+00	2.25E-01
		K-40	1.47E+00	5.18E-01	4.17E-01
Sample ID: 368969	Sample Dates: 2/3/2015 - 2/10/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.81E-02	0.00E+00	3.81E-02
		Cs-134	<2.93E-02	0.00E+00	2.93E-02
		Cs-137	<3.63E-02	0.00E+00	3.63E-02
		Be-7	<1.63E-01	0.00E+00	1.63E-01
Sample ID: 369692	Sample Dates: 2/10/2015 - 2/17/2015	K-40	1.59E+00	5.01E-01	9.99E-02
		Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.69E-02	0.00E+00	3.69E-02
		Cs-134	<2.44E-02	0.00E+00	2.44E-02
		Cs-137	<3.46E-02	0.00E+00	3.46E-02
		Be-7	<2.26E-01	0.00E+00	2.26E-01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 204 [ CONTROL - NNE @ 22.4 miles ]

Sample ID: 369692	Sample Dates: 2/10/2015 - 2/17/2015	Nuclide	Activity	2 Sigma Error	LLD
		K-40	1.26E+00	4.82E-01	4.02E-01
Sample ID: 370598	Sample Dates: 2/17/2015 - 2/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.03E-02	0.00E+00	4.03E-02
		Cs-134	<3.11E-02	0.00E+00	3.11E-02
		Cs-137	<3.25E-02	0.00E+00	3.25E-02
		Be-7	<1.65E-01	0.00E+00	1.65E-01
Sample ID: 371537	Sample Dates: 2/24/2015 - 3/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.60E-02	0.00E+00	2.60E-02
		Cs-134	<1.60E-02	0.00E+00	1.60E-02
		Cs-137	<1.35E-02	0.00E+00	1.35E-02
		Be-7	<8.86E-02	0.00E+00	8.86E-02
Sample ID: 371909	Sample Dates: 3/3/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
		K-40	1.13E+00	4.49E-01	3.62E-01
		I-131	<2.60E-02	0.00E+00	2.60E-02
		Cs-134	<1.60E-02	0.00E+00	1.60E-02
		Cs-137	<1.35E-02	0.00E+00	1.35E-02
Sample ID: 372403	Sample Dates: 3/10/2015 - 3/17/2015	Nuclide	Activity	2 Sigma Error	LLD
		Be-7	<8.86E-02	0.00E+00	8.86E-02
		K-40	7.28E-01	2.58E-01	5.81E-02
		I-131	<1.14E-02	0.00E+00	1.14E-02
		Cs-134	<1.38E-02	0.00E+00	1.38E-02
Sample ID: 373825	Sample Dates: 3/17/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-137	<1.21E-02	0.00E+00	1.21E-02
		Be-7	<1.10E-01	0.00E+00	1.10E-01
		K-40	7.52E-01	2.81E-01	2.16E-01
		I-131	<2.21E-02	0.00E+00	2.21E-02
Sample ID: 374554	Sample Dates: 3/24/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-134	<1.08E-02	0.00E+00	1.08E-02
		Cs-137	<9.16E-03	0.00E+00	9.16E-03
		Be-7	<1.15E-01	0.00E+00	1.15E-01
		K-40	7.72E-01	2.66E-01	5.81E-02
Sample ID: 374931	Sample Dates: 3/31/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.68E-02	0.00E+00	1.68E-02
		Cs-134	<1.43E-02	0.00E+00	1.43E-02
		Cs-137	<1.17E-02	0.00E+00	1.17E-02
		Be-7	<9.88E-02	0.00E+00	9.88E-02
Sample ID: 375622	Sample Dates: 4/7/2015 - 4/14/2015	Nuclide	Activity	2 Sigma Error	LLD
		K-40	7.35E-01	2.61E-01	5.86E-02
		I-131	<2.89E-02	0.00E+00	2.89E-02
		Cs-134	<3.07E-02	0.00E+00	3.07E-02
		Cs-137	<2.74E-02	0.00E+00	2.74E-02
Sample ID: 376826	Sample Dates: 4/14/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
		Be-7	<1.79E-01	0.00E+00	1.79E-01
		K-40	1.40E+00	4.68E-01	9.96E-02
		I-131	<1.82E-02	0.00E+00	1.82E-02
		Cs-134	<1.85E-02	0.00E+00	1.85E-02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 204 [ CONTROL - NNE @ 22.4 miles ]

Sample ID: 377488	Sample Dates: 4/21/2015 - 4/28/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.69E-02	0.00E+00	1.69E-02
		Cs-134	<1.64E-02	0.00E+00	1.64E-02
		Cs-137	<1.81E-02	0.00E+00	1.81E-02
		Be-7	<1.33E-01	0.00E+00	1.33E-01
		K-40	4.95E-01	2.74E-01	3.45E-01
Sample ID: 378052	Sample Dates: 4/28/2015 - 5/5/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.11E-02	0.00E+00	3.11E-02
		Cs-134	<3.35E-02	0.00E+00	3.35E-02
		Cs-137	<2.99E-02	0.00E+00	2.99E-02
		Be-7	<1.63E-01	0.00E+00	1.63E-01
		K-40	8.31E-01	4.77E-01	6.22E-01
Sample ID: 378452	Sample Dates: 5/5/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.00E-02	0.00E+00	4.00E-02
		Cs-134	<3.56E-02	0.00E+00	3.56E-02
		Cs-137	<3.58E-02	0.00E+00	3.58E-02
		Be-7	<1.95E-01	0.00E+00	1.95E-01
		K-40	9.96E-01	5.22E-01	6.72E-01
Sample ID: 378948	Sample Dates: 5/12/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.81E-02	0.00E+00	3.81E-02
		Cs-134	<2.19E-02	0.00E+00	2.19E-02
		Cs-137	<3.18E-02	0.00E+00	3.18E-02
		Be-7	<2.22E-01	0.00E+00	2.22E-01
		K-40	8.86E-01	3.98E-01	3.55E-01
Sample ID: 379454	Sample Dates: 5/19/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.03E-02	0.00E+00	3.03E-02
		Cs-134	<2.73E-02	0.00E+00	2.73E-02
		Cs-137	<2.70E-02	0.00E+00	2.70E-02
		Be-7	<2.24E-01	0.00E+00	2.24E-01
		K-40	8.54E-01	4.66E-01	5.88E-01
Sample ID: 380178	Sample Dates: 5/26/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.31E-02	0.00E+00	3.31E-02
		Cs-134	<3.16E-02	0.00E+00	3.16E-02
		Cs-137	<3.91E-02	0.00E+00	3.91E-02
		Be-7	<1.93E-01	0.00E+00	1.93E-01
		K-40	1.09E+00	4.45E-01	3.95E-01
Sample ID: 380466	Sample Dates: 6/2/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.76E-02	0.00E+00	2.76E-02
		Cs-134	<1.96E-02	0.00E+00	1.96E-02
		Cs-137	<3.74E-02	0.00E+00	3.74E-02
		Be-7	<1.95E-01	0.00E+00	1.95E-01
		K-40	1.55E+00	5.29E-01	4.20E-01
Sample ID: 380798	Sample Dates: 6/9/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.77E-02	0.00E+00	3.77E-02
		Cs-134	<2.72E-02	0.00E+00	2.72E-02
		Cs-137	<4.36E-02	0.00E+00	4.36E-02
		Be-7	<1.08E-01	0.00E+00	1.08E-01
		K-40	9.19E-01	4.71E-01	5.74E-01
Sample ID: 381240	Sample Dates: 6/16/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.66E-02	0.00E+00	3.66E-02
		Cs-134	<2.37E-02	0.00E+00	2.37E-02
		Cs-137	<3.15E-02	0.00E+00	3.15E-02
		Be-7	<1.94E-01	0.00E+00	1.94E-01
		K-40	1.27E+00	4.73E-01	3.84E-01
Sample ID: 381592	Sample Dates: 6/23/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.10E-02	0.00E+00	4.10E-02
		Cs-134	<2.88E-02	0.00E+00	2.88E-02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 204 [ CONTROL - NNE @ 22.4 miles ]

Sample ID: 381592	Sample Dates: 6/23/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-137	<3.16E-02	0.00E+00	3.16E-02
		Be-7	<1.93E-01	0.00E+00	1.93E-01
		K-40	1.52E+00	4.86E-01	9.81E-02
Sample ID: 382158	Sample Dates: 6/30/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.09E-02	0.00E+00	4.09E-02
		Cs-134	<1.69E-02	0.00E+00	1.69E-02
		Cs-137	<3.56E-02	0.00E+00	3.56E-02
		Be-7	<1.95E-01	0.00E+00	1.95E-01
		K-40	1.05E+00	4.36E-01	3.85E-01
Sample ID: 382584	Sample Dates: 7/7/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.95E-02	0.00E+00	3.95E-02
		Cs-134	<2.18E-02	0.00E+00	2.18E-02
		Cs-137	<3.38E-02	0.00E+00	3.38E-02
		Be-7	<1.93E-01	0.00E+00	1.93E-01
		K-40	9.49E-01	4.16E-01	3.79E-01
Sample ID: 383514	Sample Dates: 7/14/2015 - 7/21/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.02E-02	0.00E+00	3.02E-02
		Cs-134	<3.02E-02	0.00E+00	3.02E-02
		Cs-137	<2.94E-02	0.00E+00	2.94E-02
		Be-7	<2.47E-01	0.00E+00	2.47E-01
		K-40	8.25E-01	4.75E-01	6.23E-01
Sample ID: 384086	Sample Dates: 7/21/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.28E-02	0.00E+00	1.28E-02
		Cs-134	<1.07E-02	0.00E+00	1.07E-02
		Cs-137	<1.48E-02	0.00E+00	1.48E-02
		Be-7	<1.21E-01	0.00E+00	1.21E-01
		K-40	8.93E-01	2.87E-01	5.76E-02
Sample ID: 384636	Sample Dates: 7/28/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.68E-02	0.00E+00	2.68E-02
		Cs-134	<1.30E-02	0.00E+00	1.30E-02
		Cs-137	<1.48E-02	0.00E+00	1.48E-02
		Be-7	<1.35E-01	0.00E+00	1.35E-01
		K-40	9.65E-01	3.19E-01	2.44E-01
Sample ID: 385404	Sample Dates: 8/4/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.78E-02	0.00E+00	2.78E-02
		Cs-134	<2.39E-02	0.00E+00	2.39E-02
		Cs-137	<3.38E-02	0.00E+00	3.38E-02
		Be-7	<1.95E-01	0.00E+00	1.95E-01
		K-40	7.54E-01	4.19E-01	5.09E-01
Sample ID: 385923	Sample Dates: 8/11/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.33E-02	0.00E+00	3.33E-02
		Cs-134	<3.04E-02	0.00E+00	3.04E-02
		Cs-137	<3.18E-02	0.00E+00	3.18E-02
		Be-7	<1.61E-01	0.00E+00	1.61E-01
		K-40	<1.04E+00	0.00E+00	1.04E+00
Sample ID: 386818	Sample Dates: 8/18/2015 - 8/25/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.96E-02	0.00E+00	3.96E-02
		Cs-134	<2.40E-02	0.00E+00	2.40E-02
		Cs-137	<1.66E-02	0.00E+00	1.66E-02
		Be-7	<2.47E-01	0.00E+00	2.47E-01
		K-40	9.38E-01	4.68E-01	5.54E-01
Sample ID: 387410	Sample Dates: 8/25/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.78E-02	0.00E+00	1.78E-02
		Cs-134	<1.18E-02	0.00E+00	1.18E-02
		Cs-137	<1.14E-02	0.00E+00	1.14E-02
		Be-7	<9.58E-02	0.00E+00	9.58E-02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 204 [ CONTROL - NNE @ 22.4 miles ]

Sample ID:	387410	Sample Dates:	8/25/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				K-40	7.61E-01	2.95E-01	2.79E-01
Sample ID:	388738	Sample Dates:	9/1/2015 - 9/8/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<4.41E-02	0.00E+00	4.41E-02
				Cs-134	<2.20E-02	0.00E+00	2.20E-02
				Cs-137	<2.44E-02	0.00E+00	2.44E-02
				Be-7	<1.80E-01	0.00E+00	1.80E-01
				K-40	1.68E+00	5.15E-01	9.91E-02
Sample ID:	389403	Sample Dates:	9/8/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<1.43E-02	0.00E+00	1.43E-02
				Cs-134	<1.30E-02	0.00E+00	1.30E-02
				Cs-137	<1.74E-02	0.00E+00	1.74E-02
				Be-7	<1.20E-01	0.00E+00	1.20E-01
				K-40	1.26E+00	3.69E-01	2.68E-01
Sample ID:	390004	Sample Dates:	9/15/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.11E-02	0.00E+00	3.11E-02
				Cs-134	<1.98E-02	0.00E+00	1.98E-02
				Cs-137	<3.41E-02	0.00E+00	3.41E-02
				Be-7	<2.80E-01	0.00E+00	2.80E-01
				K-40	<1.02E+00	0.00E+00	1.02E+00
Sample ID:	390616	Sample Dates:	9/22/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.31E-02	0.00E+00	3.31E-02
				Cs-134	<2.92E-02	0.00E+00	2.92E-02
				Cs-137	<3.79E-02	0.00E+00	3.79E-02
				Be-7	<2.10E-01	0.00E+00	2.10E-01
				K-40	9.30E-01	4.46E-01	4.92E-01
Sample ID:	391925	Sample Dates:	9/29/2015 - 10/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.52E-02	0.00E+00	3.52E-02
				Cs-134	<2.21E-02	0.00E+00	2.21E-02
				Cs-137	<3.21E-02	0.00E+00	3.21E-02
				Be-7	<2.84E-01	0.00E+00	2.84E-01
				K-40	9.35E-01	4.82E-01	5.92E-01
Sample ID:	392225	Sample Dates:	10/6/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.57E-02	0.00E+00	3.57E-02
				Cs-134	<2.43E-02	0.00E+00	2.43E-02
				Cs-137	<4.00E-02	0.00E+00	4.00E-02
				Be-7	<2.53E-01	0.00E+00	2.53E-01
				K-40	1.44E+00	4.77E-01	1.00E-01
Sample ID:	393424	Sample Dates:	10/13/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.86E-02	0.00E+00	3.86E-02
				Cs-134	<2.80E-02	0.00E+00	2.80E-02
				Cs-137	<2.76E-02	0.00E+00	2.76E-02
				Be-7	<1.84E-01	0.00E+00	1.84E-01
				K-40	1.10E+00	4.73E-01	4.75E-01
Sample ID:	393830	Sample Dates:	10/20/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.93E-02	0.00E+00	3.93E-02
				Cs-134	<2.79E-02	0.00E+00	2.79E-02
				Cs-137	<2.76E-02	0.00E+00	2.76E-02
				Be-7	<1.83E-01	0.00E+00	1.83E-01
				K-40	6.53E-01	4.29E-01	5.79E-01
Sample ID:	394830	Sample Dates:	10/27/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.78E-02	0.00E+00	3.78E-02
				Cs-134	<2.92E-02	0.00E+00	2.92E-02
				Cs-137	<3.21E-02	0.00E+00	3.21E-02
				Be-7	<2.63E-01	0.00E+00	2.63E-01
				K-40	9.97E-01	4.40E-01	4.32E-01





# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 204 [ CONTROL - NNE @ 22.4 miles ]

Sample ID: 395298	Sample Dates: 11/3/2015 - 11/10/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.19E-02	0.00E+00	2.19E-02
		Cs-134	<1.46E-02	0.00E+00	1.46E-02
		Cs-137	<1.28E-02	0.00E+00	1.28E-02
		Be-7	<1.08E-01	0.00E+00	1.08E-01
		K-40	7.95E-01	3.29E-01	3.47E-01
Sample ID: 395623	Sample Dates: 11/10/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.89E-02	0.00E+00	3.89E-02
		Cs-134	<2.64E-02	0.00E+00	2.64E-02
		Cs-137	<3.86E-02	0.00E+00	3.86E-02
		Be-7	<1.99E-01	0.00E+00	1.99E-01
		K-40	<9.18E-01	0.00E+00	9.18E-01
Sample ID: 396124	Sample Dates: 11/17/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.87E-02	0.00E+00	4.87E-02
		Cs-134	<2.02E-02	0.00E+00	2.02E-02
		Cs-137	<4.02E-02	0.00E+00	4.02E-02
		Be-7	<1.19E-01	0.00E+00	1.19E-01
		K-40	9.55E-01	4.45E-01	4.68E-01
Sample ID: 396632	Sample Dates: 11/24/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.57E-02	0.00E+00	3.57E-02
		Cs-134	<2.81E-02	0.00E+00	2.81E-02
		Cs-137	<2.49E-02	0.00E+00	2.49E-02
		Be-7	<1.99E-01	0.00E+00	1.99E-01
		K-40	1.19E+00	4.75E-01	4.23E-01
Sample ID: 397169	Sample Dates: 12/1/2015 - 12/8/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.12E-02	0.00E+00	3.12E-02
		Cs-134	<2.98E-02	0.00E+00	2.98E-02
		Cs-137	<3.28E-02	0.00E+00	3.28E-02
		Be-7	<2.56E-01	0.00E+00	2.56E-01
		K-40	1.35E+00	4.63E-01	1.02E-01
Sample ID: 397888	Sample Dates: 12/8/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<5.14E-02	0.00E+00	5.14E-02
		Cs-134	<2.24E-02	0.00E+00	2.24E-02
		Cs-137	<2.77E-02	0.00E+00	2.77E-02
		Be-7	<1.63E-01	0.00E+00	1.63E-01
		K-40	<9.51E-01	0.00E+00	9.51E-01
Sample ID: 398285	Sample Dates: 12/15/2015 - 12/22/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.64E-02	0.00E+00	2.64E-02
		Cs-134	<1.24E-02	0.00E+00	1.24E-02
		Cs-137	<2.03E-02	0.00E+00	2.03E-02
		Be-7	<1.25E-01	0.00E+00	1.25E-01
		K-40	1.03E+00	3.42E-01	2.79E-01
Sample ID: 398663	Sample Dates: 12/22/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.92E-02	0.00E+00	3.92E-02
		Cs-134	<2.61E-02	0.00E+00	2.61E-02
		Cs-137	<4.15E-02	0.00E+00	4.15E-02
		Be-7	<2.27E-01	0.00E+00	2.27E-01
		K-40	1.81E+00	5.38E-01	9.99E-02

Sample Point 205 [ INDICATOR - SSE @ 0.6 miles ]

Sample ID: 365064	Sample Dates: 12/30/2014 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.60E-02	0.00E+00	3.60E-02
		Cs-134	<2.18E-02	0.00E+00	2.18E-02
		Cs-137	<3.90E-02	0.00E+00	3.90E-02
		Be-7	<2.34E-01	0.00E+00	2.34E-01
		K-40	1.26E+00	5.23E-01	5.69E-01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 205 [ INDICATOR - SSE @ 0.6 miles ]

Sample ID: 365296	Sample Dates: 1/6/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.39E-02	0.00E+00	3.39E-02
		Cs-134	<2.72E-02	0.00E+00	2.72E-02
		Cs-137	<3.36E-02	0.00E+00	3.36E-02
		Be-7	<1.94E-01	0.00E+00	1.94E-01
		K-40	<1.12E+00	0.00E+00	1.12E+00
Sample ID: 366652	Sample Dates: 1/13/2015 - 1/20/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.87E-02	0.00E+00	1.87E-02
		Cs-134	<1.11E-02	0.00E+00	1.11E-02
		Cs-137	<1.81E-02	0.00E+00	1.81E-02
		Be-7	<9.88E-02	0.00E+00	9.88E-02
		K-40	7.29E-01	2.82E-01	2.44E-01
Sample ID: 367058	Sample Dates: 1/20/2015 - 1/27/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.48E-02	0.00E+00	4.48E-02
		Cs-134	<3.05E-02	0.00E+00	3.05E-02
		Cs-137	<8.61E-03	0.00E+00	8.61E-03
		Be-7	<3.13E-01	0.00E+00	3.13E-01
		K-40	1.54E+00	5.97E-01	1.49E-01
Sample ID: 367543	Sample Dates: 1/27/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.09E-02	0.00E+00	4.09E-02
		Cs-134	<3.27E-02	0.00E+00	3.27E-02
		Cs-137	<3.34E-02	0.00E+00	3.34E-02
		Be-7	<2.31E-01	0.00E+00	2.31E-01
		K-40	1.12E+00	4.43E-01	3.67E-01
Sample ID: 368970	Sample Dates: 2/3/2015 - 2/10/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.06E-02	0.00E+00	3.06E-02
		Cs-134	<2.04E-02	0.00E+00	2.04E-02
		Cs-137	<3.00E-02	0.00E+00	3.00E-02
		Be-7	<2.03E-01	0.00E+00	2.03E-01
		K-40	8.31E-01	3.62E-01	3.48E-01
Sample ID: 369693	Sample Dates: 2/10/2015 - 2/17/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.80E-02	0.00E+00	3.80E-02
		Cs-134	<3.26E-02	0.00E+00	3.26E-02
		Cs-137	<3.82E-02	0.00E+00	3.82E-02
		Be-7	<2.63E-01	0.00E+00	2.63E-01
		K-40	<1.05E+00	0.00E+00	1.05E+00
Sample ID: 370599	Sample Dates: 2/17/2015 - 2/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<5.37E-02	0.00E+00	5.37E-02
		Cs-134	<3.44E-02	0.00E+00	3.44E-02
		Cs-137	<3.05E-02	0.00E+00	3.05E-02
		Be-7	<1.92E-01	0.00E+00	1.92E-01
		K-40	1.39E+00	6.16E-01	5.17E-01
Sample ID: 371538	Sample Dates: 2/24/2015 - 3/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.30E-02	0.00E+00	2.30E-02
		Cs-134	<1.19E-02	0.00E+00	1.19E-02
		Cs-137	<1.81E-02	0.00E+00	1.81E-02
		Be-7	<1.27E-01	0.00E+00	1.27E-01
		K-40	8.40E-01	3.47E-01	3.80E-01
Sample ID: 371910	Sample Dates: 3/3/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.52E-02	0.00E+00	3.52E-02
		Cs-134	<2.38E-02	0.00E+00	2.38E-02
		Cs-137	<2.08E-02	0.00E+00	2.08E-02
		Be-7	<1.76E-01	0.00E+00	1.76E-01
		K-40	1.28E+00	4.66E-01	3.34E-01
Sample ID: 372404	Sample Dates: 3/10/2015 - 3/17/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.31E-02	0.00E+00	3.31E-02
		Cs-134	<2.34E-02	0.00E+00	2.34E-02



## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 205 [ INDICATOR - SSE @ 0.6 miles ]

Sample ID: 372404	Sample Dates: 3/10/2015 - 3/17/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-137	<3.11E-02	0.00E+00	3.11E-02
		Be-7	<2.05E-01	0.00E+00	2.05E-01
		K-40	1.23E+00	4.54E-01	3.38E-01
Sample ID: 373826	Sample Dates: 3/17/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.45E-02	0.00E+00	1.45E-02
		Cs-134	<1.05E-02	0.00E+00	1.05E-02
		Cs-137	<1.30E-02	0.00E+00	1.30E-02
		Be-7	<1.04E-01	0.00E+00	1.04E-01
Sample ID: 374555	Sample Dates: 3/24/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.67E-02	0.00E+00	3.67E-02
		Cs-134	<1.67E-02	0.00E+00	1.67E-02
		Cs-137	<4.18E-02	0.00E+00	4.18E-02
		Be-7	<2.18E-01	0.00E+00	2.18E-01
Sample ID: 374932	Sample Dates: 3/31/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.30E-02	0.00E+00	2.30E-02
		Cs-134	<1.51E-02	0.00E+00	1.51E-02
		Cs-137	<2.11E-02	0.00E+00	2.11E-02
		Be-7	<1.14E-01	0.00E+00	1.14E-01
Sample ID: 375623	Sample Dates: 4/7/2015 - 4/14/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.98E-02	0.00E+00	3.98E-02
		Cs-134	<2.49E-02	0.00E+00	2.49E-02
		Cs-137	<3.27E-02	0.00E+00	3.27E-02
		Be-7	<1.73E-01	0.00E+00	1.73E-01
Sample ID: 376827	Sample Dates: 4/14/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.47E-02	0.00E+00	3.47E-02
		Cs-134	<2.33E-02	0.00E+00	2.33E-02
		Cs-137	<2.64E-02	0.00E+00	2.64E-02
		Be-7	<3.14E-01	0.00E+00	3.14E-01
Sample ID: 377489	Sample Dates: 4/21/2015 - 4/28/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.48E-02	0.00E+00	1.48E-02
		Cs-134	<1.42E-02	0.00E+00	1.41E-02
		Cs-137	<1.50E-02	0.00E+00	1.50E-02
		Be-7	<9.73E-02	0.00E+00	9.73E-02
Sample ID: 378053	Sample Dates: 4/28/2015 - 5/5/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.21E-02	0.00E+00	4.21E-02
		Cs-134	<2.32E-02	0.00E+00	2.32E-02
		Cs-137	<2.87E-02	0.00E+00	2.87E-02
		Be-7	<2.04E-01	0.00E+00	2.04E-01
Sample ID: 378453	Sample Dates: 5/5/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.48E-02	0.00E+00	3.48E-02
		Cs-134	<2.66E-02	0.00E+00	2.66E-02
		Cs-137	<2.63E-02	0.00E+00	2.63E-02
		Be-7	<1.89E-01	0.00E+00	1.89E-01
Sample ID: 378949	Sample Dates: 5/12/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.51E-02	0.00E+00	2.51E-02
		Cs-134	<2.97E-02	0.00E+00	2.97E-02
		Cs-137	<2.37E-02	0.00E+00	2.37E-02
		Be-7	<2.40E-01	0.00E+00	2.40E-01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 205 [ INDICATOR - SSE @ 0.6 miles ]

Sample ID: 378949	Sample Dates: 5/12/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
		K-40	9.20E-01	4.23E-01	4.34E-01
Sample ID: 379455	Sample Dates: 5/19/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.66E-02	0.00E+00	2.66E-02
		Cs-134	<2.52E-02	0.00E+00	2.52E-02
		Cs-137	<2.89E-02	0.00E+00	2.89E-02
		Be-7	<2.05E-01	0.00E+00	2.05E-01
		K-40	8.54E-01	4.51E-01	5.53E-01
Sample ID: 380179	Sample Dates: 5/26/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.00E-02	0.00E+00	4.00E-02
		Cs-134	<1.92E-02	0.00E+00	1.92E-02
		Cs-137	<3.11E-02	0.00E+00	3.11E-02
		Be-7	<2.04E-01	0.00E+00	2.04E-01
		K-40	1.51E+00	5.05E-01	3.52E-01
Sample ID: 380467	Sample Dates: 6/2/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.50E-02	0.00E+00	3.50E-02
		Cs-134	<2.51E-02	0.00E+00	2.51E-02
		Cs-137	<3.10E-02	0.00E+00	3.10E-02
		Be-7	<2.04E-01	0.00E+00	2.04E-01
		K-40	1.49E+00	4.76E-01	9.61E-02
Sample ID: 380799	Sample Dates: 6/9/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.70E-02	0.00E+00	2.70E-02
		Cs-134	<2.93E-02	0.00E+00	2.93E-02
		Cs-137	<3.06E-02	0.00E+00	3.06E-02
		Be-7	<2.13E-01	0.00E+00	2.13E-01
		K-40	9.11E-01	3.65E-01	9.50E-02
Sample ID: 381241	Sample Dates: 6/16/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.27E-02	0.00E+00	3.27E-02
		Cs-134	<2.23E-02	0.00E+00	2.23E-02
		Cs-137	<3.24E-02	0.00E+00	3.24E-02
		Be-7	<2.40E-01	0.00E+00	2.40E-01
		K-40	1.38E+00	4.94E-01	3.66E-01
Sample ID: 381593	Sample Dates: 6/23/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.14E-02	0.00E+00	3.14E-02
		Cs-134	<2.51E-02	0.00E+00	2.51E-02
		Cs-137	<3.10E-02	0.00E+00	3.10E-02
		Be-7	<1.73E-01	0.00E+00	1.73E-01
		K-40	<7.98E-01	0.00E+00	7.98E-01
Sample ID: 382159	Sample Dates: 6/30/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.06E-02	0.00E+00	4.06E-02
		Cs-134	<3.08E-02	0.00E+00	3.08E-02
		Cs-137	<3.08E-02	0.00E+00	3.08E-02
		Be-7	<1.55E-01	0.00E+00	1.55E-01
		K-40	1.49E+00	4.97E-01	3.36E-01
Sample ID: 382585	Sample Dates: 7/7/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.48E-02	0.00E+00	2.48E-02
		Cs-134	<2.12E-02	0.00E+00	2.12E-02
		Cs-137	<3.46E-02	0.00E+00	3.46E-02
		Be-7	<2.26E-01	0.00E+00	2.26E-01
		K-40	<1.06E+00	0.00E+00	1.06E+00
Sample ID: 383515	Sample Dates: 7/14/2015 - 7/21/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.88E-02	0.00E+00	2.88E-02
		Cs-134	<2.65E-02	0.00E+00	2.65E-02
		Cs-137	<3.28E-02	0.00E+00	3.28E-02
		Be-7	<2.03E-01	0.00E+00	2.03E-01
		K-40	1.41E+00	4.61E-01	9.55E-02

# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 205 [ INDICATOR - SSE @ 0.6 miles ]

Sample ID: 384087	Sample Dates: 7/21/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.35E-02	0.00E+00	1.35E-02
		Cs-134	<8.92E-03	0.00E+00	8.92E-03
		Cs-137	<1.56E-02	0.00E+00	1.56E-02
		Be-7	<1.23E-01	0.00E+00	1.23E-01
		K-40	5.54E-01	2.48E-01	2.47E-01
Sample ID: 384637	Sample Dates: 7/28/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.73E-02	0.00E+00	2.73E-02
		Cs-134	<1.58E-02	0.00E+00	1.58E-02
		Cs-137	<1.48E-02	0.00E+00	1.48E-02
		Be-7	3.10E-02	6.25E-02	1.11E-01
		K-40	6.96E-01	3.02E-01	3.38E-01
Sample ID: 385405	Sample Dates: 8/4/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.68E-02	0.00E+00	3.68E-02
		Cs-134	<2.13E-02	0.00E+00	2.13E-02
		Cs-137	<3.10E-02	0.00E+00	3.10E-02
		Be-7	<2.17E-01	0.00E+00	2.17E-01
		K-40	1.13E+00	4.12E-01	9.60E-02
Sample ID: 385924	Sample Dates: 8/11/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.43E-02	0.00E+00	1.43E-02
		Cs-134	<1.44E-02	0.00E+00	1.44E-02
		Cs-137	<1.11E-02	0.00E+00	1.11E-02
		Be-7	<1.17E-01	0.00E+00	1.17E-01
		K-40	6.95E-01	2.47E-01	5.54E-02
Sample ID: 386819	Sample Dates: 8/18/2015 - 8/25/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.27E-02	0.00E+00	3.27E-02
		Cs-134	<2.65E-02	0.00E+00	2.65E-02
		Cs-137	<2.03E-02	0.00E+00	2.03E-02
		Be-7	<2.01E-01	0.00E+00	2.01E-01
		K-40	1.05E+00	4.40E-01	4.16E-01
Sample ID: 387411	Sample Dates: 8/25/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.63E-02	0.00E+00	1.63E-02
		Cs-134	<1.29E-02	0.00E+00	1.29E-02
		Cs-137	<1.47E-02	0.00E+00	1.47E-02
		Be-7	<7.37E-02	0.00E+00	7.37E-02
		K-40	8.44E-01	2.77E-01	5.72E-02
Sample ID: 388739	Sample Dates: 9/1/2015 - 9/8/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.65E-02	0.00E+00	3.65E-02
		Cs-134	<2.91E-02	0.00E+00	2.91E-02
		Cs-137	<3.59E-02	0.00E+00	3.59E-02
		Be-7	<1.53E-01	0.00E+00	1.53E-01
		K-40	1.18E+00	4.51E-01	3.73E-01
Sample ID: 389404	Sample Dates: 9/8/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.95E-02	0.00E+00	1.95E-02
		Cs-134	<1.03E-02	0.00E+00	1.03E-02
		Cs-137	<1.55E-02	0.00E+00	1.55E-02
		Be-7	<7.15E-02	0.00E+00	7.15E-02
		K-40	7.84E-01	3.05E-01	3.12E-01
Sample ID: 390005	Sample Dates: 9/15/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.50E-02	0.00E+00	2.50E-02
		Cs-134	<2.96E-02	0.00E+00	2.96E-02
		Cs-137	<2.88E-02	0.00E+00	2.88E-02
		Be-7	<2.39E-01	0.00E+00	2.39E-01
		K-40	1.03E+00	3.92E-01	9.61E-02
Sample ID: 390617	Sample Dates: 9/22/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.32E-02	0.00E+00	3.32E-02
		Cs-134	<2.35E-02	0.00E+00	2.35E-02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 205 [ INDICATOR - SSE @ 0.6 miles ]

Sample ID: 390617	Sample Dates: 9/22/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-137	<2.66E-02	0.00E+00	2.66E-02
		Be-7	<1.34E-01	0.00E+00	1.34E-01
		K-40	1.57E+00	5.25E-01	4.00E-01
Sample ID: 391926	Sample Dates: 9/29/2015 - 10/6/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.34E-02	0.00E+00	3.34E-02
		Cs-134	<3.49E-02	0.00E+00	3.49E-02
		Cs-137	<3.32E-02	0.00E+00	3.32E-02
		Be-7	<2.19E-01	0.00E+00	2.19E-01
		K-40	1.11E+00	4.42E-01	3.72E-01
Sample ID: 392226	Sample Dates: 10/6/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.46E-02	0.00E+00	3.46E-02
		Cs-134	<3.32E-02	0.00E+00	3.32E-02
		Cs-137	<3.77E-02	0.00E+00	3.77E-02
		Be-7	<1.80E-01	0.00E+00	1.80E-01
		K-40	1.44E+00	4.99E-01	3.61E-01
Sample ID: 393425	Sample Dates: 10/13/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.70E-02	0.00E+00	1.70E-02
		Cs-134	<1.32E-02	0.00E+00	1.32E-02
		Cs-137	<3.13E-02	0.00E+00	3.13E-02
		Be-7	<1.77E-01	0.00E+00	1.77E-01
		K-40	<1.01E+00	0.00E+00	1.01E+00
Sample ID: 393831	Sample Dates: 10/20/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.85E-02	0.00E+00	1.85E-02
		Cs-134	<1.22E-02	0.00E+00	1.22E-02
		Cs-137	<1.35E-02	0.00E+00	1.35E-02
		Be-7	<1.29E-01	0.00E+00	1.29E-01
		K-40	9.35E-01	2.94E-01	5.76E-02
Sample ID: 394831	Sample Dates: 10/27/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.60E-02	0.00E+00	3.60E-02
		Cs-134	<2.85E-02	0.00E+00	2.85E-02
		Cs-137	<3.34E-02	0.00E+00	3.34E-02
		Be-7	<2.07E-01	0.00E+00	2.07E-01
		K-40	1.02E+00	4.54E-01	4.79E-01
Sample ID: 395299	Sample Dates: 11/3/2015 - 11/10/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.16E-02	0.00E+00	1.16E-02
		Cs-134	<1.63E-02	0.00E+00	1.63E-02
		Cs-137	<1.53E-02	0.00E+00	1.53E-02
		Be-7	<1.17E-01	0.00E+00	1.17E-01
		K-40	<6.17E-01	0.00E+00	6.17E-01
Sample ID: 395624	Sample Dates: 11/10/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.99E-02	0.00E+00	2.99E-02
		Cs-134	<3.02E-02	0.00E+00	3.02E-02
		Cs-137	<3.73E-02	0.00E+00	3.73E-02
		Be-7	<2.55E-01	0.00E+00	2.55E-01
		K-40	1.23E+00	4.33E-01	9.79E-02
Sample ID: 396125	Sample Dates: 11/17/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<5.57E-02	0.00E+00	5.57E-02
		Cs-134	<2.75E-02	0.00E+00	2.75E-02
		Cs-137	<2.92E-02	0.00E+00	2.92E-02
		Be-7	<2.16E-01	0.00E+00	2.16E-01
		K-40	1.29E+00	4.16E-01	8.51E-02
Sample ID: 396633	Sample Dates: 11/24/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.20E-02	0.00E+00	3.20E-02
		Cs-134	<2.87E-02	0.00E+00	2.87E-02
		Cs-137	<2.94E-02	0.00E+00	2.94E-02
		Be-7	<1.92E-01	0.00E+00	1.92E-01



**BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)**

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

Sample Point 205 [ INDICATOR - SSE @ 0.6 miles ]

Sample ID:	396633	Sample Dates:	11/24/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				K-40	1.24E+00	4.63E-01	3.54E-01
Sample ID:	397170	Sample Dates:	12/1/2015 - 12/8/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<4.66E-02	0.00E+00	4.66E-02
				Cs-134	<2.80E-02	0.00E+00	2.80E-02
				Cs-137	<3.65E-02	0.00E+00	3.65E-02
				Be-7	<2.65E-01	0.00E+00	2.65E-01
				K-40	1.02E+00	4.68E-01	5.09E-01
Sample ID:	397889	Sample Dates:	12/8/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.20E-02	0.00E+00	3.20E-02
				Cs-134	<2.55E-02	0.00E+00	2.55E-02
				Cs-137	<2.93E-02	0.00E+00	2.93E-02
				Be-7	<2.06E-01	0.00E+00	2.06E-01
				K-40	<1.02E+00	0.00E+00	1.02E+00
Sample ID:	398286	Sample Dates:	12/15/2015 - 12/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.32E-02	0.00E+00	3.32E-02
				Cs-134	<2.13E-02	0.00E+00	2.13E-02
				Cs-137	<1.84E-02	0.00E+00	1.84E-02
				Be-7	<1.16E-01	0.00E+00	1.16E-01
				K-40	1.01E+00	3.63E-01	3.45E-01
Sample ID:	398664	Sample Dates:	12/22/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<4.33E-02	0.00E+00	4.33E-02
				Cs-134	<2.13E-02	0.00E+00	2.13E-02
				Cs-137	<3.48E-02	0.00E+00	3.48E-02
				Be-7	<2.30E-01	0.00E+00	2.30E-01
				K-40	1.07E+00	4.38E-01	3.89E-01

**Sample Point 206 [ CONTROL - NW @ 11.3 miles ]**

Sample ID:	365055	Sample Dates:	12/30/2014 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.92E-02	0.00E+00	3.92E-02
				Cs-134	<2.60E-02	0.00E+00	2.60E-02
				Cs-137	<3.42E-02	0.00E+00	3.42E-02
				Be-7	<2.26E-01	0.00E+00	2.26E-01
				K-40	1.21E+00	4.81E-01	4.40E-01
Sample ID:	365297	Sample Dates:	1/6/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.34E-02	0.00E+00	3.34E-02
				Cs-134	<2.95E-02	0.00E+00	2.95E-02
				Cs-137	<3.01E-02	0.00E+00	3.01E-02
				Be-7	<2.15E-01	0.00E+00	2.15E-01
				K-40	1.48E+00	4.85E-01	1.01E-01
Sample ID:	366653	Sample Dates:	1/13/2015 - 1/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.97E-02	0.00E+00	3.97E-02
				Cs-134	<1.91E-02	0.00E+00	1.91E-02
				Cs-137	<4.57E-02	0.00E+00	4.57E-02
				Be-7	<3.20E-01	0.00E+00	3.20E-01
				K-40	1.63E+00	6.20E-01	1.52E-01
Sample ID:	367059	Sample Dates:	1/20/2015 - 1/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.05E-02	0.00E+00	2.05E-02
				Cs-134	<8.71E-03	0.00E+00	8.71E-03
				Cs-137	<2.22E-02	0.00E+00	2.22E-02
				Be-7	<1.33E-01	0.00E+00	1.33E-01
				K-40	1.10E+00	3.73E-01	2.86E-01
Sample ID:	367544	Sample Dates:	1/27/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.56E-02	0.00E+00	3.56E-02
				Cs-134	<2.44E-02	0.00E+00	2.44E-02
				Cs-137	<4.01E-02	0.00E+00	4.01E-02
				Be-7	<2.85E-01	0.00E+00	2.85E-01





# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 206 [ CONTROL - NW @ 11.3 miles ]

Sample ID:	367544	Sample Dates:	1/27/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				K-40	1.23E+00	4.39E-01	1.01E-01
Sample ID:	368971	Sample Dates:	2/3/2015 - 2/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.01E-02	0.00E+00	2.01E-02
				Cs-134	<1.47E-02	0.00E+00	1.47E-02
				Cs-137	<1.82E-02	0.00E+00	1.82E-02
				Be-7	<1.37E-01	0.00E+00	1.37E-01
				K-40	<6.41E-01	0.00E+00	6.41E-01
Sample ID:	369694	Sample Dates:	2/10/2015 - 2/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.06E-02	0.00E+00	2.06E-02
				Cs-134	<1.28E-02	0.00E+00	1.28E-02
				Cs-137	<1.23E-02	0.00E+00	1.23E-02
				Be-7	<1.02E-01	0.00E+00	1.02E-01
				K-40	9.04E-01	3.38E-01	3.39E-01
Sample ID:	370600	Sample Dates:	2/17/2015 - 2/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<1.77E-02	0.00E+00	1.77E-02
				Cs-134	<1.28E-02	0.00E+00	1.28E-02
				Cs-137	<1.73E-02	0.00E+00	1.73E-02
				Be-7	<2.33E-02	0.00E+00	2.33E-02
				K-40	<6.26E-01	0.00E+00	6.26E-01
Sample ID:	371539	Sample Dates:	2/24/2015 - 3/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.19E-02	0.00E+00	2.19E-02
				Cs-134	<1.50E-02	0.00E+00	1.50E-02
				Cs-137	<1.42E-02	0.00E+00	1.42E-02
				Be-7	<7.96E-02	0.00E+00	7.96E-02
				K-40	7.31E-01	2.62E-01	6.00E-02
Sample ID:	371911	Sample Dates:	3/3/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.51E-02	0.00E+00	3.51E-02
				Cs-134	<3.10E-02	0.00E+00	3.10E-02
				Cs-137	<3.45E-02	0.00E+00	3.45E-02
				Be-7	<1.81E-01	0.00E+00	1.81E-01
				K-40	1.33E+00	5.38E-01	5.67E-01
Sample ID:	372405	Sample Dates:	3/10/2015 - 3/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.45E-02	0.00E+00	3.45E-02
				Cs-134	<2.57E-02	0.00E+00	2.57E-02
				Cs-137	<2.70E-02	0.00E+00	2.70E-02
				Be-7	<1.95E-01	0.00E+00	1.95E-01
				K-40	7.68E-01	3.79E-01	3.76E-01
Sample ID:	373827	Sample Dates:	3/17/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<1.81E-02	0.00E+00	1.81E-02
				Cs-134	<1.37E-02	0.00E+00	1.37E-02
				Cs-137	<1.39E-02	0.00E+00	1.39E-02
				Be-7	<1.18E-01	0.00E+00	1.18E-01
				K-40	7.82E-01	3.26E-01	3.63E-01
Sample ID:	374556	Sample Dates:	3/24/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.66E-02	0.00E+00	3.66E-02
				Cs-134	<1.70E-02	0.00E+00	1.70E-02
				Cs-137	<2.97E-02	0.00E+00	2.97E-02
				Be-7	<2.48E-01	0.00E+00	2.48E-01
				K-40	1.25E+00	4.70E-01	3.70E-01
Sample ID:	374933	Sample Dates:	3/31/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<1.53E-02	0.00E+00	1.53E-02
				Cs-134	<1.32E-02	0.00E+00	1.32E-02
				Cs-137	<1.50E-02	0.00E+00	1.50E-02
				Be-7	<1.15E-01	0.00E+00	1.15E-01
				K-40	5.52E-01	3.02E-01	3.93E-01

# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 206 [ CONTROL - NW @ 11.3 miles ]

Sample ID: 375624	Sample Dates: 4/7/2015 - 4/14/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.65E-02	0.00E+00	3.65E-02
		Cs-134	<3.15E-02	0.00E+00	3.15E-02
		Cs-137	<2.93E-02	0.00E+00	2.93E-02
		Be-7	<2.35E-01	0.00E+00	2.35E-01
Sample ID: 376828	Sample Dates: 4/14/2015 - 4/21/2015	K-40	7.93E-01	4.35E-01	5.34E-01
		Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.25E-02	0.00E+00	3.25E-02
		Cs-134	<2.37E-02	0.00E+00	2.37E-02
		Cs-137	<2.41E-02	0.00E+00	2.41E-02
Sample ID: 377490	Sample Dates: 4/21/2015 - 4/28/2015	Be-7	<1.92E-01	0.00E+00	1.92E-01
		K-40	<1.05E+00	0.00E+00	1.05E+00
		Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.54E-02	0.00E+00	1.54E-02
		Cs-134	<1.71E-02	0.00E+00	1.71E-02
Sample ID: 378054	Sample Dates: 4/28/2015 - 5/5/2015	Cs-137	<1.53E-02	0.00E+00	1.53E-02
		Be-7	<1.38E-01	0.00E+00	1.38E-01
		K-40	5.50E-01	2.85E-01	3.51E-01
		Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.32E-02	0.00E+00	3.32E-02
Sample ID: 378454	Sample Dates: 5/5/2015 - 5/12/2015	Cs-134	<3.05E-02	0.00E+00	3.05E-02
		Cs-137	<2.97E-02	0.00E+00	2.97E-02
		Be-7	<1.80E-01	0.00E+00	1.80E-01
		K-40	9.46E-01	5.12E-01	6.64E-01
		Nuclide	Activity	2 Sigma Error	LLD
Sample ID: 378950	Sample Dates: 5/12/2015 - 5/19/2015	I-131	<3.97E-02	0.00E+00	3.97E-02
		Cs-134	<2.37E-02	0.00E+00	2.37E-02
		Cs-137	<3.35E-02	0.00E+00	3.35E-02
		Be-7	<1.59E-01	0.00E+00	1.59E-01
		K-40	1.29E+00	4.82E-01	4.04E-01
Sample ID: 379456	Sample Dates: 5/19/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<4.07E-02	0.00E+00	4.07E-02
		Cs-134	<3.14E-02	0.00E+00	3.14E-02
		Cs-137	<1.64E-02	0.00E+00	1.64E-02
		Be-7	<1.57E-01	0.00E+00	1.57E-01
Sample ID: 380180	Sample Dates: 5/26/2015 - 6/2/2015	K-40	<8.47E-01	0.00E+00	8.47E-01
		Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.24E-02	0.00E+00	3.24E-02
		Cs-134	<3.27E-02	0.00E+00	3.27E-02
		Cs-137	<2.92E-02	0.00E+00	2.92E-02
Sample ID: 380468	Sample Dates: 6/2/2015 - 6/9/2015	Be-7	<2.46E-01	0.00E+00	2.46E-01
		K-40	1.25E+00	5.10E-01	5.34E-01
		Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.47E-02	0.00E+00	3.47E-02
		Cs-134	<2.53E-02	0.00E+00	2.53E-02
Sample ID: 380800	Sample Dates: 6/9/2015 - 6/16/2015	Cs-137	<2.66E-02	0.00E+00	2.66E-02
		Be-7	<2.06E-01	0.00E+00	2.06E-01
		K-40	1.44E+00	4.96E-01	3.63E-01
		Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.21E-02	0.00E+00	3.21E-02
		Cs-134	<2.35E-02	0.00E+00	2.35E-02
		Cs-137	<2.06E-02	0.00E+00	2.06E-02
		Be-7	<1.58E-01	0.00E+00	1.58E-01
		K-40	1.25E+00	4.36E-01	9.71E-02
		Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.81E-02	0.00E+00	2.81E-02
		Cs-134	<2.15E-02	0.00E+00	2.15E-02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 206 [ CONTROL - NW @ 11.3 miles ]

Sample ID: 380800	Sample Dates: 6/9/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-137	<3.51E-02	0.00E+00	3.51E-02
		Be-7	<2.30E-01	0.00E+00	2.30E-01
		K-40	1.06E+00	5.15E-01	6.33E-01
Sample ID: 381242	Sample Dates: 6/16/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.99E-02	0.00E+00	2.99E-02
		Cs-134	<2.34E-02	0.00E+00	2.34E-02
		Cs-137	<3.50E-02	0.00E+00	3.50E-02
		Be-7	<2.06E-01	0.00E+00	2.06E-01
Sample ID: 381594	Sample Dates: 6/23/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.23E-02	0.00E+00	3.23E-02
		Cs-134	<2.84E-02	0.00E+00	2.84E-02
		Cs-137	<4.16E-02	0.00E+00	4.16E-02
		Be-7	<2.30E-01	0.00E+00	2.30E-01
Sample ID: 382160	Sample Dates: 6/30/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.48E-02	0.00E+00	3.48E-02
		Cs-134	<2.52E-02	0.00E+00	2.52E-02
		Cs-137	<4.30E-02	0.00E+00	4.30E-02
		Be-7	<2.20E-01	0.00E+00	2.20E-01
Sample ID: 382586	Sample Dates: 7/7/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.81E-02	0.00E+00	2.81E-02
		Cs-134	<2.35E-02	0.00E+00	2.35E-02
		Cs-137	<2.66E-02	0.00E+00	2.66E-02
		Be-7	<2.30E-01	0.00E+00	2.30E-01
Sample ID: 383516	Sample Dates: 7/14/2015 - 7/21/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.45E-02	0.00E+00	2.45E-02
		Cs-134	<2.52E-02	0.00E+00	2.52E-02
		Cs-137	<2.38E-02	0.00E+00	2.38E-02
		Be-7	<2.19E-01	0.00E+00	2.19E-01
Sample ID: 384088	Sample Dates: 7/21/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<1.85E-02	0.00E+00	1.85E-02
		Cs-134	<1.36E-02	0.00E+00	1.36E-02
		Cs-137	<1.29E-02	0.00E+00	1.29E-02
		Be-7	<1.42E-01	0.00E+00	1.42E-01
Sample ID: 384638	Sample Dates: 7/28/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	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	<1.12E-02	0.00E+00	1.12E-02
		Be-7	<1.09E-01	0.00E+00	1.09E-01
Sample ID: 385406	Sample Dates: 8/4/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.98E-02	0.00E+00	3.98E-02
		Cs-134	<3.13E-02	0.00E+00	3.13E-02
		Cs-137	<1.63E-02	0.00E+00	1.63E-02
		Be-7	<1.58E-01	0.00E+00	1.58E-01
Sample ID: 385925	Sample Dates: 8/11/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.59E-02	0.00E+00	3.59E-02
		Cs-134	<2.99E-02	0.00E+00	2.99E-02
		Cs-137	<3.13E-02	0.00E+00	3.13E-02
		Be-7	<2.07E-01	0.00E+00	2.07E-01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 206 [ CONTROL - NW @ 11.3 miles ]

Sample ID:	385925	Sample Dates:	8/11/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				K-40	<8.62E-01	0.00E+00	8.62E-01
Sample ID:	386820	Sample Dates:	8/18/2015 - 8/25/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.75E-02	0.00E+00	3.75E-02
				Cs-134	<2.36E-02	0.00E+00	2.36E-02
				Cs-137	<3.34E-02	0.00E+00	3.34E-02
				Be-7	<2.19E-01	0.00E+00	2.19E-01
				K-40	1.37E+00	4.90E-01	3.88E-01
Sample ID:	387412	Sample Dates:	8/25/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.30E-02	0.00E+00	2.30E-02
				Cs-134	<3.00E-02	0.00E+00	3.00E-02
				Cs-137	<3.14E-02	0.00E+00	3.14E-02
				Be-7	<2.64E-01	0.00E+00	2.64E-01
				K-40	8.74E-01	4.30E-01	4.80E-01
Sample ID:	388740	Sample Dates:	9/1/2015 - 9/8/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.66E-02	0.00E+00	3.66E-02
				Cs-134	<2.54E-02	0.00E+00	2.54E-02
				Cs-137	<3.34E-02	0.00E+00	3.34E-02
				Be-7	<2.57E-01	0.00E+00	2.57E-01
				K-40	1.26E+00	5.07E-01	5.17E-01
Sample ID:	389405	Sample Dates:	9/8/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<1.91E-02	0.00E+00	1.91E-02
				Cs-134	<1.53E-02	0.00E+00	1.53E-02
				Cs-137	<2.02E-02	0.00E+00	2.02E-02
				Be-7	<9.37E-02	0.00E+00	9.37E-02
				K-40	7.49E-01	2.69E-01	6.15E-02
Sample ID:	390006	Sample Dates:	9/15/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<2.85E-02	0.00E+00	2.85E-02
				Cs-134	<2.87E-02	0.00E+00	2.87E-02
				Cs-137	<2.69E-02	0.00E+00	2.69E-02
				Be-7	<2.33E-01	0.00E+00	2.33E-01
				K-40	<9.39E-01	0.00E+00	9.39E-01
Sample ID:	390618	Sample Dates:	9/22/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.93E-02	0.00E+00	3.93E-02
				Cs-134	<2.87E-02	0.00E+00	2.87E-02
				Cs-137	<2.41E-02	0.00E+00	2.41E-02
				Be-7	<1.92E-01	0.00E+00	1.92E-01
				K-40	1.20E+00	4.88E-01	4.84E-01
Sample ID:	391927	Sample Dates:	9/29/2015 - 10/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<3.25E-02	0.00E+00	3.25E-02
				Cs-134	<2.17E-02	0.00E+00	2.17E-02
				Cs-137	<3.72E-02	0.00E+00	3.72E-02
				Be-7	<4.00E-02	0.00E+00	4.00E-02
				K-40	1.23E+00	4.33E-01	9.77E-02
Sample ID:	392227	Sample Dates:	10/6/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<4.25E-02	0.00E+00	4.25E-02
				Cs-134	<2.74E-02	0.00E+00	2.74E-02
				Cs-137	<3.18E-02	0.00E+00	3.18E-02
				Be-7	<1.61E-01	0.00E+00	1.61E-01
				K-40	8.64E-01	4.39E-01	5.08E-01
Sample ID:	393426	Sample Dates:	10/13/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				I-131	<4.33E-02	0.00E+00	4.33E-02
				Cs-134	<2.90E-02	0.00E+00	2.90E-02
				Cs-137	<2.43E-02	0.00E+00	2.43E-02
				Be-7	<1.80E-01	0.00E+00	1.80E-01
				K-40	1.29E+00	4.70E-01	3.41E-01

# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 206 [ CONTROL - NW @ 11.3 miles ]

Sample ID: 393832	Sample Dates: 10/20/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.02E-02	0.00E+00	2.02E-02
		Cs-134	<1.66E-02	0.00E+00	1.66E-02
		Cs-137	<1.62E-02	0.00E+00	1.62E-02
		Be-7	<1.07E-01	0.00E+00	1.07E-01
		K-40	5.69E-01	2.57E-01	2.61E-01
Sample ID: 394832	Sample Dates: 10/27/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.52E-02	0.00E+00	3.52E-02
		Cs-134	<2.55E-02	0.00E+00	2.55E-02
		Cs-137	<3.15E-02	0.00E+00	3.15E-02
		Be-7	<2.47E-01	0.00E+00	2.47E-01
		K-40	1.08E+00	4.45E-01	4.04E-01
Sample ID: 395300	Sample Dates: 11/3/2015 - 11/10/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.05E-02	0.00E+00	2.05E-02
		Cs-134	<1.44E-02	0.00E+00	1.44E-02
		Cs-137	<2.05E-02	0.00E+00	2.05E-02
		Be-7	<1.33E-01	0.00E+00	1.33E-01
		K-40	6.74E-01	2.73E-01	2.19E-01
Sample ID: 395625	Sample Dates: 11/10/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.89E-02	0.00E+00	2.89E-02
		Cs-134	<2.77E-02	0.00E+00	2.77E-02
		Cs-137	<2.45E-02	0.00E+00	2.45E-02
		Be-7	<2.60E-01	0.00E+00	2.60E-01
		K-40	1.31E+00	5.03E-01	4.59E-01
Sample ID: 396126	Sample Dates: 11/17/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<5.48E-02	0.00E+00	5.48E-02
		Cs-134	<3.36E-02	0.00E+00	3.36E-02
		Cs-137	<3.24E-02	0.00E+00	3.24E-02
		Be-7	<2.16E-01	0.00E+00	2.16E-01
		K-40	1.38E+00	4.31E-01	8.49E-02
Sample ID: 396634	Sample Dates: 11/24/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.66E-02	0.00E+00	2.66E-02
		Cs-134	<2.77E-02	0.00E+00	2.77E-02
		Cs-137	<3.62E-02	0.00E+00	3.62E-02
		Be-7	<2.25E-01	0.00E+00	2.25E-01
		K-40	1.10E+00	4.86E-01	5.21E-01
Sample ID: 397171	Sample Dates: 12/1/2015 - 12/8/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.91E-02	0.00E+00	3.91E-02
		Cs-134	<2.42E-02	0.00E+00	2.42E-02
		Cs-137	<3.00E-02	0.00E+00	3.00E-02
		Be-7	<2.40E-01	0.00E+00	2.40E-01
		K-40	1.50E+00	5.25E-01	4.21E-01
Sample ID: 397890	Sample Dates: 12/8/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.49E-02	0.00E+00	3.49E-02
		Cs-134	<1.70E-02	0.00E+00	1.70E-02
		Cs-137	<2.72E-02	0.00E+00	2.72E-02
		Be-7	<2.10E-01	0.00E+00	2.10E-01
		K-40	1.35E+00	4.59E-01	9.90E-02
Sample ID: 398287	Sample Dates: 12/15/2015 - 12/22/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<2.45E-02	0.00E+00	2.45E-02
		Cs-134	<1.49E-02	0.00E+00	1.49E-02
		Cs-137	<1.31E-02	0.00E+00	1.31E-02
		Be-7	<1.17E-01	0.00E+00	1.17E-01
		K-40	9.59E-01	3.27E-01	2.26E-01
Sample ID: 398665	Sample Dates: 12/22/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		I-131	<3.26E-02	0.00E+00	3.26E-02
		Cs-134	<2.55E-02	0.00E+00	2.55E-02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 206 [ CONTROL - NW @ 11.3 miles ]

Sample ID:	398665	Sample Dates:	12/22/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-137	<2.93E-02	0.00E+00	2.93E-02
				Be-7	<1.78E-01	0.00E+00	1.78E-01
				K-40	1.11E+00	4.77E-01	4.94E-01

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

Sample Point 700 [ INDICATOR - SSW @ 5.5 miles ]

Sample ID:	380762	Sample Dates:	5/30/2015 - 5/30/2015	FREESWIM	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<1.09E+01	0.00E+00	1.09E+01
					Co-58	<8.90E+00	0.00E+00	8.90E+00
					Fe-59	<3.14E+01	0.00E+00	3.14E+01
					Co-60	<1.42E+01	0.00E+00	1.42E+01
					Zn-65	<2.33E+01	0.00E+00	2.33E+01
					Nb-95	<1.48E+01	0.00E+00	1.48E+01
					I-131	<2.06E+01	0.00E+00	2.06E+01
					Cs-134	<1.35E+01	0.00E+00	1.35E+01
					Cs-137	<8.83E+00	0.00E+00	8.83E+00
					Be-7	<9.50E+01	0.00E+00	9.50E+01
					K-40	2.29E+03	3.67E+02	2.93E+01
					Ag-110M	<9.48E+00	0.00E+00	9.48E+00
					Sb-122	<2.10E+02	0.00E+00	2.10E+02
					Sb-125	<2.78E+01	0.00E+00	2.78E+01

Sample ID:	396001	Sample Dates:	10/30/2015 - 10/30/2015	FREESWIM	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<1.34E+01	0.00E+00	1.34E+01
					Co-58	<1.97E+01	0.00E+00	1.97E+01
					Fe-59	<4.52E+01	0.00E+00	4.52E+01
					Co-60	<1.26E+01	0.00E+00	1.26E+01
					Zn-65	<3.37E+01	0.00E+00	3.37E+01
					Nb-95	<2.09E+01	0.00E+00	2.09E+01
					I-131	<6.80E+01	0.00E+00	6.80E+01
					Cs-134	<1.93E+01	0.00E+00	1.93E+01
					Cs-137	<1.96E+01	0.00E+00	1.96E+01
					Be-7	<1.14E+02	0.00E+00	1.14E+02
					K-40	3.23E+03	5.37E+02	4.60E+01
					Ag-110M	<1.43E+01	0.00E+00	1.43E+01
					Sb-122	<1.94E+03	0.00E+00	1.94E+03
					Sb-125	<4.48E+01	0.00E+00	4.48E+01

Sample Point 701 [ INDICATOR - SSW @ 5.5 miles ]

Sample ID:	380763	Sample Dates:	5/30/2015 - 5/30/2015	BOTMFEEDER	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<2.07E+01	0.00E+00	2.07E+01
					Co-58	<2.22E+01	0.00E+00	2.22E+01
					Fe-59	<4.94E+01	0.00E+00	4.94E+01
					Co-60	<1.52E+01	0.00E+00	1.52E+01
					Zn-65	<5.22E+01	0.00E+00	5.22E+01
					Nb-95	<2.95E+01	0.00E+00	2.95E+01
					I-131	<4.22E+01	0.00E+00	4.22E+01
					Cs-134	<1.51E+01	0.00E+00	1.51E+01
					Cs-137	<1.51E+01	0.00E+00	1.51E+01
					Be-7	<1.58E+02	0.00E+00	1.58E+02
					K-40	3.49E+03	6.05E+02	5.57E+01
					Ag-110M	<1.81E+01	0.00E+00	1.81E+01
					Sb-122	<5.11E+02	0.00E+00	5.11E+02
					Sb-125	<4.93E+01	0.00E+00	4.93E+01

Sample ID:	396002	Sample Dates:	10/30/2015 - 10/30/2015	BOTMFEEDER	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<2.56E+01	0.00E+00	2.56E+01
					Co-58	<2.18E+01	0.00E+00	2.18E+01
					Fe-59	<4.82E+01	0.00E+00	4.82E+01
					Co-60	<2.39E+01	0.00E+00	2.39E+01
					Zn-65	<5.73E+01	0.00E+00	5.73E+01

# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 701 [ INDICATOR - SSW @ 5.5 miles ]

Sample ID:	396002	Sample Dates:	10/30/2015 - 10/30/2015	BOTMFEEDER	Nuclide	Activity	2 Sigma Error	LLD
					Nb-95	<2.72E+01	0.00E+00	2.72E+01
					I-131	<7.35E+01	0.00E+00	7.35E+01
					Cs-134	<2.67E+01	0.00E+00	2.67E+01
					Cs-137	<2.55E+01	0.00E+00	2.55E+01
					Be-7	<1.74E+02	0.00E+00	1.74E+02
					K-40	4.21E+03	7.16E+02	3.48E+02
					Ag-110M	<1.32E+01	0.00E+00	1.32E+01
					Sb-122	<2.25E+03	0.00E+00	2.25E+03
					Sb-125	<3.87E+01	0.00E+00	3.87E+01

Sample Point 702 [ INDICATOR - SSW @ 5.5 miles ]

Sample ID:	380764	Sample Dates:	5/30/2015 - 5/30/2015	INVERTEBRA	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<1.95E+01	0.00E+00	1.95E+01
					Co-58	<1.58E+01	0.00E+00	1.58E+01
					Fe-59	<4.17E+01	0.00E+00	4.17E+01
					Co-60	<2.10E+01	0.00E+00	2.10E+01
					Zn-65	<2.30E+01	0.00E+00	2.30E+01
					Nb-95	<2.46E+01	0.00E+00	2.46E+01
					I-131	<3.56E+01	0.00E+00	3.56E+01
					Cs-134	<1.46E+01	0.00E+00	1.46E+01
					Cs-137	<1.85E+01	0.00E+00	1.85E+01
					Be-7	<1.43E+02	0.00E+00	1.43E+02
					K-40	1.65E+03	3.90E+02	2.61E+02
					Ag-110M	<1.50E+01	0.00E+00	1.50E+01
					Sb-122	<2.34E+02	0.00E+00	2.34E+02
					Sb-125	<3.60E+01	0.00E+00	3.60E+01

Sample ID:	396003	Sample Dates:	10/30/2015 - 10/30/2015	INVERTEBRA	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<1.71E+01	0.00E+00	1.71E+01
					Co-58	<1.47E+01	0.00E+00	1.47E+01
					Fe-59	<3.63E+01	0.00E+00	3.63E+01
					Co-60	<1.80E+01	0.00E+00	1.80E+01
					Zn-65	<3.30E+01	0.00E+00	3.30E+01
					Nb-95	<1.88E+01	0.00E+00	1.88E+01
					I-131	<4.85E+01	0.00E+00	4.85E+01
					Cs-134	<2.52E+01	0.00E+00	2.52E+01
					Cs-137	<1.07E+01	0.00E+00	1.07E+01
					Be-7	<1.22E+02	0.00E+00	1.22E+02
					K-40	3.52E+03	5.66E+02	2.01E+02
					Ag-110M	<1.51E+01	0.00E+00	1.51E+01
					Sb-122	<1.71E+03	0.00E+00	1.71E+03
					Sb-125	<3.18E+01	0.00E+00	3.18E+01

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

Sample ID:	380765	Sample Dates:	5/30/2015 - 5/30/2015	FREESWIM	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<1.82E+01	0.00E+00	1.82E+01
					Co-58	<1.74E+01	0.00E+00	1.74E+01
					Fe-59	<4.65E+01	0.00E+00	4.65E+01
					Co-60	<1.72E+01	0.00E+00	1.72E+01
					Zn-65	<4.06E+01	0.00E+00	4.06E+01
					Nb-95	<1.59E+01	0.00E+00	1.59E+01
					I-131	<3.62E+01	0.00E+00	3.62E+01
					Cs-134	<2.12E+01	0.00E+00	2.12E+01
					Cs-137	<1.44E+01	0.00E+00	1.44E+01
					Be-7	<1.43E+02	0.00E+00	1.43E+02
					K-40	2.89E+03	4.94E+02	1.76E+02
					Ag-110M	<1.08E+01	0.00E+00	1.08E+01
					Sb-122	<4.36E+02	0.00E+00	4.36E+02
					Sb-125	<4.35E+01	0.00E+00	4.35E+01





# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

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

Sample ID: 394643	Sample Dates: 10/17/2015 - 10/17/2015	FREESWIM	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.88E+01	0.00E+00	1.88E+01
			Co-58	<1.61E+01	0.00E+00	1.61E+01
			Fe-59	<3.55E+01	0.00E+00	3.55E+01
			Co-60	<2.00E+01	0.00E+00	2.00E+01
			Zn-65	<3.84E+01	0.00E+00	3.84E+01
			Nb-95	<1.81E+01	0.00E+00	1.81E+01
			I-131	<2.32E+01	0.00E+00	2.32E+01
			Cs-134	<1.58E+01	0.00E+00	1.58E+01
			Cs-137	<1.56E+01	0.00E+00	1.56E+01
			Be-7	<9.07E+01	0.00E+00	9.07E+01
			K-40	2.42E+03	4.52E+02	2.51E+02
			Ag-110M	<1.02E+01	0.00E+00	1.02E+01
			Sb-122	<2.26E+02	0.00E+00	2.26E+02
			Sb-125	<3.46E+01	0.00E+00	3.46E+01

Sample ID: 396004	Sample Dates: 10/31/2015 - 10/31/2015	FREESWIM	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.29E+01	0.00E+00	1.29E+01
			Co-58	<1.44E+01	0.00E+00	1.44E+01
			Fe-59	<3.18E+01	0.00E+00	3.18E+01
			Co-60	<2.11E+01	0.00E+00	2.11E+01
			Zn-65	<3.83E+01	0.00E+00	3.83E+01
			Nb-95	<1.78E+01	0.00E+00	1.78E+01
			I-131	<6.40E+01	0.00E+00	6.40E+01
			Cs-134	<1.42E+01	0.00E+00	1.42E+01
			Cs-137	<1.77E+01	0.00E+00	1.77E+01
			Be-7	<1.22E+02	0.00E+00	1.22E+02
			K-40	3.54E+03	5.40E+02	4.03E+01
			Ag-110M	<1.42E+01	0.00E+00	1.42E+01
			Sb-122	<1.08E+03	0.00E+00	1.08E+03
			Sb-125	<3.41E+01	0.00E+00	3.41E+01

Sample Point 704 [ CONTROL - -- @ 0 miles ]

Sample ID: 380766	Sample Dates: 5/30/2015 - 5/30/2015	BOTMFEEDER	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.40E+01	0.00E+00	1.40E+01
			Co-58	<1.51E+01	0.00E+00	1.51E+01
			Fe-59	<2.78E+01	0.00E+00	2.78E+01
			Co-60	<2.13E+01	0.00E+00	2.13E+01
			Zn-65	<3.16E+01	0.00E+00	3.16E+01
			Nb-95	<9.93E+00	0.00E+00	9.93E+00
			I-131	<2.76E+01	0.00E+00	2.76E+01
			Cs-134	<9.54E+00	0.00E+00	9.54E+00
			Cs-137	<1.47E+01	0.00E+00	1.47E+01
			Be-7	<1.25E+02	0.00E+00	1.25E+02
			K-40	2.62E+03	4.84E+02	2.68E+02
			Ag-110M	<1.23E+01	0.00E+00	1.23E+01
			Sb-122	<3.20E+02	0.00E+00	3.20E+02
			Sb-125	<3.72E+01	0.00E+00	3.72E+01

Sample ID: 394644	Sample Dates: 10/17/2015 - 10/17/2015	BOTMFEEDER	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<2.17E+01	0.00E+00	2.17E+01
			Co-58	<2.16E+01	0.00E+00	2.16E+01
			Fe-59	<3.34E+01	0.00E+00	3.34E+01
			Co-60	<2.43E+01	0.00E+00	2.43E+01
			Zn-65	<3.90E+01	0.00E+00	3.90E+01
			Nb-95	<1.18E+01	0.00E+00	1.18E+01
			I-131	<3.65E+01	0.00E+00	3.65E+01
			Cs-134	<2.27E+01	0.00E+00	2.27E+01
			Cs-137	<1.96E+01	0.00E+00	1.96E+01
			Be-7	<1.32E+02	0.00E+00	1.32E+02
			K-40	3.02E+03	5.74E+02	3.16E+02
			Ag-110M	<9.30E+00	0.00E+00	9.30E+00
			Sb-122	<2.55E+02	0.00E+00	2.55E+02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 704 [ CONTROL - -- @ 0 miles ]

Sample ID: 394644	Sample Dates: 10/17/2015 - 10/17/2015	BOTMFEEDER	Nuclide	Activity	2 Sigma Error	LLD
			Sb-125	<3.81E+01	0.00E+00	3.81E+01
Sample ID: 396005	Sample Dates: 10/31/2015 - 10/31/2015	BOTMFEEDER	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.80E+01	0.00E+00	1.80E+01
			Co-58	<1.54E+01	0.00E+00	1.54E+01
			Fe-59	<3.78E+01	0.00E+00	3.78E+01
			Co-60	<2.13E+01	0.00E+00	2.13E+01
			Zn-65	<4.56E+01	0.00E+00	4.56E+01
			Nb-95	<2.11E+01	0.00E+00	2.11E+01
			I-131	<6.91E+01	0.00E+00	6.91E+01
			Cs-134	<1.52E+01	0.00E+00	1.52E+01
			Cs-137	<1.45E+01	0.00E+00	1.45E+01
			Be-7	<1.36E+02	0.00E+00	1.36E+02
			K-40	3.25E+03	5.66E+02	2.65E+02
			Ag-110M	<2.19E+01	0.00E+00	2.19E+01
			Sb-122	<1.47E+03	0.00E+00	1.47E+03
			Sb-125	<4.04E+01	0.00E+00	4.04E+01

Sample Point 705 [ CONTROL - -- @ 0 miles ]

Sample ID: 380767	Sample Dates: 5/30/2015 - 5/30/2015	INVERTEBRA	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.92E+01	0.00E+00	1.92E+01
			Co-58	<1.33E+01	0.00E+00	1.33E+01
			Fe-59	<5.01E+01	0.00E+00	5.01E+01
			Co-60	<1.54E+01	0.00E+00	1.54E+01
			Zn-65	<3.18E+01	0.00E+00	3.18E+01
			Nb-95	<2.59E+01	0.00E+00	2.59E+01
			I-131	<4.21E+01	0.00E+00	4.21E+01
			Cs-134	<1.92E+01	0.00E+00	1.92E+01
			Cs-137	<1.98E+01	0.00E+00	1.98E+01
			Be-7	<1.52E+02	0.00E+00	1.52E+02
			K-40	2.42E+03	5.40E+02	5.44E+02
			Ag-110M	<1.95E+01	0.00E+00	1.95E+01
			Sb-122	<3.60E+02	0.00E+00	3.60E+02
			Sb-125	<4.83E+01	0.00E+00	4.83E+01
Sample ID: 394645	Sample Dates: 10/17/2015 - 10/17/2015	INVERTEBRA	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<2.08E+01	0.00E+00	2.08E+01
			Co-58	<1.78E+01	0.00E+00	1.78E+01
			Fe-59	<2.77E+01	0.00E+00	2.77E+01
			Co-60	<2.02E+01	0.00E+00	2.02E+01
			Zn-65	<4.77E+01	0.00E+00	4.77E+01
			Nb-95	<1.74E+01	0.00E+00	1.74E+01
			I-131	<3.01E+01	0.00E+00	3.01E+01
			Cs-134	<1.43E+01	0.00E+00	1.43E+01
			Cs-137	<1.72E+01	0.00E+00	1.72E+01
			Be-7	<9.93E+01	0.00E+00	9.93E+01
			K-40	<5.77E+02	0.00E+00	5.77E+02
			Ag-110M	<1.65E+01	0.00E+00	1.65E+01
			Sb-122	<2.14E+02	0.00E+00	2.14E+02
			Sb-125	<3.58E+01	0.00E+00	3.58E+01
Sample ID: 396011	Sample Dates: 10/31/2015 - 10/31/2015	INVERTEBRA	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.39E+01	0.00E+00	1.39E+01
			Co-58	<1.66E+01	0.00E+00	1.66E+01
			Fe-59	<4.53E+01	0.00E+00	4.53E+01
			Co-60	<1.65E+01	0.00E+00	1.65E+01
			Zn-65	<3.28E+01	0.00E+00	3.28E+01
			Nb-95	<1.87E+01	0.00E+00	1.87E+01
			I-131	<4.30E+01	0.00E+00	4.30E+01
			Cs-134	<1.43E+01	0.00E+00	1.43E+01
			Cs-137	<1.22E+01	0.00E+00	1.22E+01
			Be-7	<1.23E+02	0.00E+00	1.23E+02
			K-40	3.03E+03	4.78E+02	3.72E+01



## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 705 [ CONTROL - -- @ 0 miles ]

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Sample ID:	396011	Sample Dates:	10/31/2015 - 10/31/2015	INVERTEBRA	Nuclide	Activity	2 Sigma Error	LLD
					Ag-110M	<1.44E+01	0.00E+00	1.44E+01
					Sb-122	<9.84E+02	0.00E+00	9.84E+02
					Sb-125	<3.40E+01	0.00E+00	3.40E+01

Sample Point 706 [ INDICATOR - -- @ 0 miles ]

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Sample ID:	394646	Sample Dates:	9/15/2015 - 10/13/2015	FREESWIM	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<1.86E+01	0.00E+00	1.86E+01
					Co-58	<2.02E+01	0.00E+00	2.02E+01
					Fe-59	<4.63E+01	0.00E+00	4.63E+01
					Co-60	<2.82E+01	0.00E+00	2.82E+01
					Zn-65	<5.24E+01	0.00E+00	5.24E+01
					Nb-95	<2.83E+01	0.00E+00	2.83E+01
					I-131	<1.66E+02	0.00E+00	1.66E+02
					Cs-134	<2.20E+01	0.00E+00	2.20E+01
					Cs-137	<2.00E+01	0.00E+00	2.00E+01
					Be-7	<1.81E+02	0.00E+00	1.81E+02
					K-40	2.65E+03	5.57E+02	3.73E+02
					Ag-110M	<2.03E+01	0.00E+00	2.03E+01
					Sb-122	<3.37E+04	0.00E+00	3.37E+04
					Sb-125	<3.89E+01	0.00E+00	3.89E+01

Sample Point 707 [ INDICATOR - -- @ 0 miles ]

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Sample ID:	394647	Sample Dates:	9/15/2015 - 10/13/2015	BOTMFEEDER	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<1.80E+01	0.00E+00	1.80E+01
					Co-58	<2.19E+01	0.00E+00	2.19E+01
					Fe-59	<6.78E+01	0.00E+00	6.78E+01
					Co-60	<2.62E+01	0.00E+00	2.62E+01
					Zn-65	<4.59E+01	0.00E+00	4.59E+01
					Nb-95	<2.93E+01	0.00E+00	2.93E+01
					I-131	<1.56E+02	0.00E+00	1.56E+02
					Cs-134	<1.29E+01	0.00E+00	1.29E+01
					Cs-137	<1.55E+01	0.00E+00	1.55E+01
					Be-7	<1.97E+02	0.00E+00	1.97E+02
					K-40	2.71E+03	5.15E+02	3.34E+02
					Ag-110M	<1.48E+01	0.00E+00	1.48E+01
					Sb-122	<2.43E+04	0.00E+00	2.43E+04
					Sb-125	<3.55E+01	0.00E+00	3.55E+01

Sample Point 708 [ INDICATOR - -- @ 0 miles ]

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Sample ID:	394648	Sample Dates:	9/15/2015 - 10/13/2015	INVERTEBRA	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<2.77E+01	0.00E+00	2.77E+01
					Co-58	<5.10E+01	0.00E+00	5.10E+01
					Fe-59	<1.16E+02	0.00E+00	1.16E+02
					Co-60	<3.06E+01	0.00E+00	3.06E+01
					Zn-65	<1.09E+02	0.00E+00	1.09E+02
					Nb-95	<7.21E+01	0.00E+00	7.21E+01
					I-131	<1.85E+02	0.00E+00	1.85E+02
					Cs-134	<3.89E+01	0.00E+00	3.89E+01
					Cs-137	<2.53E+01	0.00E+00	2.53E+01
					Be-7	<3.71E+02	0.00E+00	3.71E+02
					K-40	<8.61E+02	0.00E+00	8.61E+02
					Ag-110M	<3.13E+01	0.00E+00	3.13E+01
					Sb-122	<4.86E+04	0.00E+00	4.86E+04
					Sb-125	<9.90E+01	0.00E+00	9.90E+01

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# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 404 [ INDICATOR - SW @ 0.16 miles ]

Sample ID: 366914	Sample Dates: 1/13/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<7.74E+00	0.00E+00	7.74E+00
		Co-58	<9.88E+00	0.00E+00	9.88E+00
		Fe-59	<1.60E+01	0.00E+00	1.60E+01
		Co-60	<9.22E+00	0.00E+00	9.23E+00
		Zn-65	<2.02E+01	0.00E+00	2.02E+01
		Zr-95	<1.53E+01	0.00E+00	1.53E+01
		Nb-95	<1.01E+01	0.00E+00	1.01E+01
		I-131	<1.27E+01	0.00E+00	1.27E+01
		Cs-134	<9.44E+00	0.00E+00	9.44E+00
		Cs-137	<8.74E+00	0.00E+00	8.74E+00
		La-140	<2.18E+01	0.00E+00	2.18E+01
		Ba-140	<3.16E+01	0.00E+00	3.16E+01
		Total-Gam	0.00E+00		
		H3GW	<-1.0E+02	0.00E+00	2.61E+02

Sample ID: 379204	Sample Dates: 5/12/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3GW	<5.12E+01	0.00E+00	2.53E+02

Sample ID: 381026	Sample Dates: 6/9/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<8.05E+00	0.00E+00	8.05E+00
		Co-58	<8.23E+00	0.00E+00	8.23E+00
		Fe-59	<1.71E+01	0.00E+00	1.71E+01
		Co-60	<9.01E+00	0.00E+00	9.01E+00
		Zn-65	<2.17E+01	0.00E+00	2.17E+01
		Zr-95	<1.06E+01	0.00E+00	1.06E+01
		Nb-95	<1.09E+01	0.00E+00	1.09E+01
		I-131	<9.24E+00	0.00E+00	9.24E+00
		Cs-134	<7.96E+00	0.00E+00	7.96E+00
		Cs-137	<9.02E+00	0.00E+00	9.03E+00
		La-140	<1.51E+01	0.00E+00	1.51E+01
		Ba-140	<3.51E+01	0.00E+00	3.51E+01
		Total-Gam	0.00E+00		
		H3GW	<1.06E+02	0.00E+00	2.47E+02

Sample ID: 390861	Sample Dates: 9/11/2015 - 9/11/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3GW	<4.17E+01	0.00E+00	2.48E+02

Sample ID: 398100	Sample Dates: 12/7/2015 - 12/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<4.68E+00	0.00E+00	4.68E+00
		Co-58	<9.98E+00	0.00E+00	9.98E+00
		Fe-59	<1.80E+01	0.00E+00	1.80E+01
		Co-60	<1.02E+01	0.00E+00	1.02E+01
		Zn-65	<1.31E+01	0.00E+00	1.31E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<6.92E+00	0.00E+00	6.92E+00
		I-131	<1.02E+01	0.00E+00	1.02E+01
		Cs-134	<7.98E+00	0.00E+00	7.98E+00
		Cs-137	<8.44E+00	0.00E+00	8.44E+00
		La-140	<3.72E+01	0.00E+00	3.72E+01
		Ba-140	<3.52E+01	0.00E+00	3.52E+01
		Total-Gam	0.00E+00		
		H3GW	<-4.2E+01	0.00E+00	2.66E+02

## Sample Point 407 [ INDICATOR - ENE @ 0.06 miles ]

Sample ID: 367424	Sample Dates: 1/14/2015 - 1/14/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<8.19E+00	0.00E+00	8.19E+00
		Co-58	<8.90E+00	0.00E+00	8.90E+00
		Fe-59	<1.31E+01	0.00E+00	1.31E+01
		Co-60	<4.83E+00	0.00E+00	4.83E+00
		Zn-65	<2.06E+01	0.00E+00	2.06E+01
		Zr-95	<1.34E+01	0.00E+00	1.34E+01
		Nb-95	<7.64E+00	0.00E+00	7.64E+00
		I-131	<1.72E+01	0.00E+00	1.72E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 407 [ INDICATOR - ENE @ 0.06 miles ]

Sample ID: 367424	Sample Dates: 1/14/2015 - 1/14/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-134	<8.22E+00	0.00E+00	8.23E+00
		Cs-137	<9.58E+00	0.00E+00	9.58E+00
		La-140	<3.15E+02	0.00E+00	3.15E+02
		Ba-140	<4.27E+01	0.00E+00	4.27E+01
		Total-Gam	0.00E+00		
		H3GW	2.89E+02	1.52E+02	2.49E+02

Sample ID: 377271	Sample Dates: 4/15/2015 - 4/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<9.60E+00	0.00E+00	9.60E+00
		Co-58	<6.90E+00	0.00E+00	6.90E+00
		Fe-59	<1.73E+01	0.00E+00	1.73E+01
		Co-60	<7.53E+00	0.00E+00	7.53E+00
		Zn-65	<1.30E+01	0.00E+00	1.30E+01
		Zr-95	<1.30E+01	0.00E+00	1.30E+01
		Nb-95	<9.09E+00	0.00E+00	9.09E+00
		I-131	<7.88E+00	0.00E+00	7.89E+00
		Cs-134	<6.92E+00	0.00E+00	6.92E+00
		Cs-137	<7.82E+00	0.00E+00	7.82E+00
		La-140	<1.78E+01	0.00E+00	1.78E+01
		Ba-140	<2.72E+01	0.00E+00	2.72E+01
		Total-Gam	0.00E+00		
		H3GW	3.81E+02	1.54E+02	2.50E+02

Sample ID: 381726	Sample Dates: 6/11/2015 - 6/11/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<9.52E+00	0.00E+00	9.52E+00
		Co-58	<8.81E+00	0.00E+00	8.81E+00
		Fe-59	<1.50E+01	0.00E+00	1.50E+01
		Co-60	<7.56E+00	0.00E+00	7.56E+00
		Zn-65	<1.70E+01	0.00E+00	1.70E+01
		Zr-95	<1.31E+01	0.00E+00	1.31E+01
		Nb-95	<1.18E+01	0.00E+00	1.18E+01
		I-131	<2.06E+01	0.00E+00	2.06E+01
		Cs-134	<7.14E+00	0.00E+00	7.14E+00
		Cs-137	<9.84E+00	0.00E+00	9.84E+00
		La-140	<8.32E+02	0.00E+00	8.32E+02
		Ba-140	<5.17E+01	0.00E+00	5.17E+01
		Total-Gam	0.00E+00		
		H3GW	<-3.0E+01	0.00E+00	2.43E+02
		H3GW	<-3.0E+01	0.00E+00	2.43E+02

Sample ID: 391058	Sample Dates: 9/16/2015 - 9/16/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3GW	4.29E+02	1.65E+02	2.67E+02

Sample ID: 399019	Sample Dates: 12/14/2015 - 12/14/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<7.95E+00	0.00E+00	7.95E+00
		Co-58	<8.28E+00	0.00E+00	8.28E+00
		Fe-59	<1.82E+01	0.00E+00	1.82E+01
		Co-60	<6.84E+00	0.00E+00	6.84E+00
		Zn-65	<1.60E+01	0.00E+00	1.60E+01
		Zr-95	<1.35E+01	0.00E+00	1.35E+01
		Nb-95	<1.15E+01	0.00E+00	1.15E+01
		I-131	<2.65E+01	0.00E+00	2.65E+01
		Cs-134	<7.85E+00	0.00E+00	7.85E+00
		Cs-137	<9.03E+00	0.00E+00	9.03E+00
		La-140	<3.12E+03	0.00E+00	3.12E+03
		Ba-140	<5.73E+01	0.00E+00	5.73E+01
		Total-Gam	0.00E+00		
		H3GW	<2.28E+02	0.00E+00	2.55E+02

Sample Point 409 [ INDICATOR - NE @ 0.65 miles ]

Sample ID: 373964	Sample Dates: 3/9/2015 - 3/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3GW	<1.45E+02	0.00E+00	2.41E+02



## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 409 [ INDICATOR - NE @ 0.65 miles ]

Sample ID:	381027	Sample Dates:	6/9/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<9.60E+00	0.00E+00	9.60E+00
				Co-58	<5.65E+00	0.00E+00	5.65E+00
				Fe-59	<1.89E+01	0.00E+00	1.89E+01
				Co-60	<6.87E+00	0.00E+00	6.87E+00
				Zn-65	<1.65E+01	0.00E+00	1.65E+01
				Zr-95	<1.41E+01	0.00E+00	1.41E+01
				Nb-95	<7.34E+00	0.00E+00	7.34E+00
				I-131	<1.05E+01	0.00E+00	1.05E+01
				Cs-134	<7.31E+00	0.00E+00	7.31E+00
				Cs-137	<7.48E+00	0.00E+00	7.48E+00
				La-140	<2.04E+01	0.00E+00	2.04E+01
				Ba-140	<2.66E+01	0.00E+00	2.66E+01
				Total-Gam	0.00E+00		
				H3GW	<-3.2E+01	0.00E+00	2.49E+02

Sample ID:	389733	Sample Dates:	9/8/2015 - 9/8/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3GW	<-1.1E+02	0.00E+00	2.56E+02

Sample ID:	398093	Sample Dates:	12/7/2015 - 12/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<9.02E+00	0.00E+00	9.02E+00
				Co-58	<6.92E+00	0.00E+00	6.92E+00
				Fe-59	<1.74E+01	0.00E+00	1.74E+01
				Co-60	<9.01E+00	0.00E+00	9.01E+00
				Zn-65	<1.84E+01	0.00E+00	1.84E+01
				Zr-95	<1.18E+01	0.00E+00	1.18E+01
				Nb-95	<9.13E+00	0.00E+00	9.13E+00
				I-131	<9.91E+00	0.00E+00	9.91E+00
				Cs-134	<8.76E+00	0.00E+00	8.76E+00
				Cs-137	<9.84E+00	0.00E+00	9.84E+00
				La-140	<1.84E+01	0.00E+00	1.84E+01
				Ba-140	<3.37E+01	0.00E+00	3.37E+01
				Total-Gam	0.00E+00		
				H3GW	<-1.3E+02	0.00E+00	2.65E+02

Sample Point 410 [ INDICATOR - NE @ 0.65 miles ]

Sample ID:	373965	Sample Dates:	3/9/2015 - 3/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3GW	<-4.6E+01	0.00E+00	2.50E+02

Sample ID:	381028	Sample Dates:	6/9/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<9.60E+00	0.00E+00	9.60E+00
				Co-58	<6.92E+00	0.00E+00	6.92E+00
				Fe-59	<1.36E+01	0.00E+00	1.36E+01
				Co-60	<8.70E+00	0.00E+00	8.69E+00
				Zn-65	<2.10E+01	0.00E+00	2.10E+01
				Zr-95	<1.30E+01	0.00E+00	1.30E+01
				Nb-95	<1.06E+01	0.00E+00	1.06E+01
				I-131	<9.72E+00	0.00E+00	9.72E+00
				Cs-134	<6.92E+00	0.00E+00	6.92E+00
				Cs-137	<8.44E+00	0.00E+00	8.44E+00
				La-140	<1.79E+01	0.00E+00	1.79E+01
				Ba-140	<2.93E+01	0.00E+00	2.93E+01
				Total-Gam	0.00E+00		
				H3GW	<-1.4E+02	0.00E+00	2.48E+02

Sample ID:	389734	Sample Dates:	9/8/2015 - 9/8/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3GW	<-8.8E+01	0.00E+00	2.54E+02

Sample ID:	398094	Sample Dates:	12/7/2015 - 12/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<6.99E+00	0.00E+00	6.99E+00
				Co-58	<8.63E+00	0.00E+00	8.63E+00
				Fe-59	<1.66E+01	0.00E+00	1.66E+01
				Co-60	<5.90E+00	0.00E+00	5.90E+00
				Zn-65	<2.02E+01	0.00E+00	2.02E+01



## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 410 [ INDICATOR - NE @ 0.65 miles ]

Sample ID: 398094	Sample Dates: 12/7/2015 - 12/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		Zr-95	<1.30E+01	0.00E+00	1.30E+01
		Nb-95	<8.87E+00	0.00E+00	8.87E+00
		I-131	<1.02E+01	0.00E+00	1.02E+01
		Cs-134	<7.75E+00	0.00E+00	7.75E+00
		Cs-137	<9.03E+00	0.00E+00	9.03E+00
		La-140	<2.11E+01	0.00E+00	2.11E+01
		Ba-140	<3.84E+01	0.00E+00	3.84E+01
		Total-Gam	0.00E+00		
		H3GW	<-3.8E+00	0.00E+00	2.66E+02

### Sample Point 418 [ INDICATOR - -- @ 0 miles ]

Sample ID: 373966	Sample Dates: 3/9/2015 - 3/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3GW	2.57E+02	1.46E+02	2.40E+02
Sample ID: 381030	Sample Dates: 6/9/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.08E+01	0.00E+00	1.08E+01
		Co-58	<9.46E+00	0.00E+00	9.46E+00
		Fe-59	<1.63E+01	0.00E+00	1.63E+01
		Co-60	<8.36E+00	0.00E+00	8.36E+00
		Zn-65	<1.78E+01	0.00E+00	1.78E+01
		Zr-95	<1.45E+01	0.00E+00	1.45E+01
		Nb-95	<9.96E+00	0.00E+00	9.96E+00
		I-131	<1.54E+01	0.00E+00	1.54E+01
		Cs-134	<6.09E+00	0.00E+00	6.09E+00
		Cs-137	<8.45E+00	0.00E+00	8.45E+00
		La-140	<1.06E+02	0.00E+00	1.06E+02
		Ba-140	<4.34E+01	0.00E+00	4.34E+01
		Total-Gam	0.00E+00		
		H3GW	<1.60E+02	0.00E+00	2.53E+02
Sample ID: 389736	Sample Dates: 9/8/2015 - 9/8/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3GW	<1.39E+02	0.00E+00	2.55E+02
Sample ID: 398396	Sample Dates: 12/3/2015 - 12/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<7.14E+00	0.00E+00	7.14E+00
		Co-58	<7.61E+00	0.00E+00	7.61E+00
		Fe-59	<1.73E+01	0.00E+00	1.73E+01
		Co-60	<8.37E+00	0.00E+00	8.37E+00
		Zn-65	<2.24E+01	0.00E+00	2.24E+01
		Zr-95	<1.38E+01	0.00E+00	1.38E+01
		Nb-95	<1.04E+01	0.00E+00	1.04E+01
		I-131	<2.16E+01	0.00E+00	2.16E+01
		Cs-134	<9.40E+00	0.00E+00	9.40E+00
		Cs-137	<8.45E+00	0.00E+00	8.45E+00
		La-140	<8.84E+02	0.00E+00	8.84E+02
		Ba-140	<5.33E+01	0.00E+00	5.33E+01
		Total-Gam	0.00E+00		
		H3GW	<1.20E+02	0.00E+00	2.63E+02

### Sample Point 423 [ INDICATOR - -- @ 0 miles ]

Sample ID: 366915	Sample Dates: 1/13/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<8.08E+00	0.00E+00	8.08E+00
		Co-58	<8.40E+00	0.00E+00	8.40E+00
		Fe-59	<1.99E+01	0.00E+00	1.99E+01
		Co-60	<7.62E+00	0.00E+00	7.62E+00
		Zn-65	<1.85E+01	0.00E+00	1.85E+01
		Zr-95	<1.37E+01	0.00E+00	1.37E+01
		Nb-95	<9.04E+00	0.00E+00	9.04E+00
		I-131	<9.61E+00	0.00E+00	9.61E+00
		Cs-134	<7.54E+00	0.00E+00	7.54E+00
		Cs-137	<8.74E+00	0.00E+00	8.74E+00
		La-140	<1.98E+01	0.00E+00	1.98E+01





# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 423 [ INDICATOR - -- @ 0 miles ]

Sample ID: 366915	Sample Dates: 1/13/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
		Ba-140	<3.08E+01	0.00E+00	3.08E+01
		Total-Gam	0.00E+00		
		H3GW	<-1.5E+02	0.00E+00	2.60E+02
Sample ID: 379205	Sample Dates: 5/12/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3GW	<9.45E+01	0.00E+00	2.53E+02
Sample ID: 381728	Sample Dates: 6/10/2015 - 6/10/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<7.56E+00	0.00E+00	7.56E+00
		Co-58	<9.34E+00	0.00E+00	9.34E+00
		Fe-59	<2.36E+01	0.00E+00	2.36E+01
		Co-60	<1.13E+01	0.00E+00	1.13E+01
		Zn-65	<1.48E+01	0.00E+00	1.48E+01
		Zr-95	<1.34E+01	0.00E+00	1.34E+01
		Nb-95	<1.19E+01	0.00E+00	1.19E+01
		I-131	<2.87E+01	0.00E+00	2.87E+01
		Cs-134	<7.62E+00	0.00E+00	7.62E+00
		Cs-137	<7.14E+00	0.00E+00	7.14E+00
		La-140	<1.25E+03	0.00E+00	1.25E+03
		Ba-140	<6.00E+01	0.00E+00	6.00E+01
		Total-Gam	0.00E+00		
		H3GW	<6.73E+01	0.00E+00	2.44E+02
		H3GW	4.02E+02	1.51E+02	2.43E+02
Sample ID: 390862	Sample Dates: 9/11/2015 - 9/11/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3GW	<9.10E+00	0.00E+00	2.49E+02
Sample ID: 398096	Sample Dates: 12/7/2015 - 12/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<5.71E+00	0.00E+00	5.71E+00
		Co-58	<9.57E+00	0.00E+00	9.57E+00
		Fe-59	<1.76E+01	0.00E+00	1.76E+01
		Co-60	<7.62E+00	0.00E+00	7.62E+00
		Zn-65	<1.65E+01	0.00E+00	1.65E+01
		Zr-95	<1.42E+01	0.00E+00	1.42E+01
		Nb-95	<9.52E+00	0.00E+00	9.52E+00
		I-131	<1.02E+01	0.00E+00	1.02E+01
		Cs-134	<8.18E+00	0.00E+00	8.18E+00
		Cs-137	<8.74E+00	0.00E+00	8.74E+00
		La-140	<2.24E+01	0.00E+00	2.24E+01
		Ba-140	<3.63E+01	0.00E+00	3.63E+01
		Total-Gam	0.00E+00		
		H3GW	<7.32E+00	0.00E+00	2.58E+02

Sample Point 424 [ INDICATOR - -- @ 0 miles ]

Sample ID: 366916	Sample Dates: 1/13/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<7.10E+00	0.00E+00	7.09E+00
		Co-58	<1.05E+01	0.00E+00	1.05E+01
		Fe-59	<1.23E+01	0.00E+00	1.23E+01
		Co-60	<8.72E+00	0.00E+00	8.72E+00
		Zn-65	<2.14E+01	0.00E+00	2.14E+01
		Zr-95	<1.52E+01	0.00E+00	1.52E+01
		Nb-95	<1.17E+01	0.00E+00	1.17E+01
		I-131	<1.69E+01	0.00E+00	1.69E+01
		Cs-134	<6.10E+00	0.00E+00	6.10E+00
		Cs-137	<8.74E+00	0.00E+00	8.74E+00
		La-140	<3.34E+02	0.00E+00	3.34E+02
		Ba-140	<4.93E+01	0.00E+00	4.93E+01
		Total-Gam	0.00E+00		
		H3GW	<-1.0E+02	0.00E+00	2.60E+02
Sample ID: 379206	Sample Dates: 5/12/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3GW	<2.07E+01	0.00E+00	2.52E+02



**BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)**

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

Sample Point 424 [ INDICATOR - -- @ 0 miles ]

Sample ID: 381729	Sample Dates: 6/10/2015 - 6/10/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<9.56E+00	0.00E+00	9.56E+00
		Co-58	<8.20E+00	0.00E+00	8.20E+00
		Fe-59	<2.31E+01	0.00E+00	2.31E+01
		Co-60	<9.68E+00	0.00E+00	9.68E+00
		Zn-65	<1.60E+01	0.00E+00	1.60E+01
		Zr-95	<1.48E+01	0.00E+00	1.48E+01
		Nb-95	<1.01E+01	0.00E+00	1.01E+01
		I-131	<2.79E+01	0.00E+00	2.79E+01
		Cs-134	<7.48E+00	0.00E+00	7.48E+00
		Cs-137	<9.31E+00	0.00E+00	9.31E+00
		La-140	<1.86E+03	0.00E+00	1.86E+03
		Ba-140	<6.59E+01	0.00E+00	6.59E+01
		Total-Gam	0.00E+00		
		H3GW	<2.84E+01	0.00E+00	2.43E+02

Sample ID: 390863	Sample Dates: 9/11/2015 - 9/11/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3GW	<3.07E+01	0.00E+00	2.48E+02

Sample ID: 398097	Sample Dates: 12/7/2015 - 12/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<8.10E+00	0.00E+00	8.10E+00
		Co-58	<7.78E+00	0.00E+00	7.78E+00
		Fe-59	<1.21E+01	0.00E+00	1.21E+01
		Co-60	<8.14E+00	0.00E+00	8.14E+00
		Zn-65	<1.55E+01	0.00E+00	1.55E+01
		Zr-95	<1.44E+01	0.00E+00	1.44E+01
		Nb-95	<9.18E+00	0.00E+00	9.18E+00
		I-131	<9.59E+00	0.00E+00	9.59E+00
		Cs-134	<8.97E+00	0.00E+00	8.97E+00
		Cs-137	<7.48E+00	0.00E+00	7.48E+00
		La-140	<3.09E+01	0.00E+00	3.09E+01
		Ba-140	<3.64E+01	0.00E+00	3.64E+01
		Total-Gam	0.00E+00		
		H3GW	<-3.7E+01	0.00E+00	2.59E+02

Sample Point 426 [ INDICATOR - -- @ 0 miles ]

Sample ID: 373970	Sample Dates: 3/10/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3GW	<6.34E+01	0.00E+00	2.43E+02

Sample ID: 381038	Sample Dates: 6/9/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<8.51E+00	0.00E+00	8.51E+00
		Co-58	<7.74E+00	0.00E+00	7.74E+00
		Fe-59	<1.53E+01	0.00E+00	1.53E+01
		Co-60	<9.24E+00	0.00E+00	9.24E+00
		Zn-65	<2.14E+01	0.00E+00	2.14E+01
		Zr-95	<1.45E+01	0.00E+00	1.45E+01
		Nb-95	<1.00E+01	0.00E+00	1.00E+01
		I-131	<1.66E+01	0.00E+00	1.66E+01
		Cs-134	<8.32E+00	0.00E+00	8.32E+00
		Cs-137	<9.31E+00	0.00E+00	9.31E+00
		La-140	<2.01E+02	0.00E+00	2.01E+02
		Ba-140	<4.07E+01	0.00E+00	4.07E+01
		Total-Gam	0.00E+00		
		H3GW	<-2.1E+02	0.00E+00	2.72E+02

Sample ID: 392503	Sample Dates: 9/24/2015 - 9/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3GW	<1.84E+00	0.00E+00	2.54E+02

Sample ID: 398614	Sample Dates: 12/9/2015 - 12/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<8.85E+00	0.00E+00	8.85E+00
		Co-58	<8.55E+00	0.00E+00	8.55E+00
		Fe-59	<1.51E+01	0.00E+00	1.51E+01
		Co-60	<4.83E+00	0.00E+00	4.83E+00
		Zn-65	<1.88E+01	0.00E+00	1.88E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 426 [ INDICATOR - -- @ 0 miles ]

Sample ID:	398614	Sample Dates:	12/9/2015 - 12/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				Zr-95	<1.52E+01	0.00E+00	1.52E+01
				Nb-95	<7.62E+00	0.00E+00	7.62E+00
				I-131	<1.60E+01	0.00E+00	1.60E+01
				Cs-134	<7.36E+00	0.00E+00	7.36E+00
				Cs-137	<8.14E+00	0.00E+00	8.14E+00
				La-140	<2.57E+02	0.00E+00	2.57E+02
				Ba-140	<4.01E+01	0.00E+00	4.01E+01
				Total-Gam	0.00E+00		
				H3GW	<5.53E+01	0.00E+00	2.77E+02

Sample Point 429 [ INDICATOR - -- @ 0 miles ]

Sample ID:	373967	Sample Dates:	3/9/2015 - 3/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3GW	<1.59E+02	0.00E+00	2.30E+02

Sample ID:	381039	Sample Dates:	6/9/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<8.85E+00	0.00E+00	8.85E+00
				Co-58	<9.88E+00	0.00E+00	9.88E+00
				Fe-59	<2.03E+01	0.00E+00	2.03E+01
				Co-60	<4.83E+00	0.00E+00	4.83E+00
				Zn-65	<1.33E+01	0.00E+00	1.33E+01
				Zr-95	<1.64E+01	0.00E+00	1.64E+01
				Nb-95	<1.25E+01	0.00E+00	1.25E+01
				I-131	<1.82E+01	0.00E+00	1.82E+01
				Cs-134	<1.02E+01	0.00E+00	1.02E+01
				Cs-137	<8.45E+00	0.00E+00	8.45E+00
				La-140	<2.67E+02	0.00E+00	2.67E+02
				Ba-140	<4.15E+01	0.00E+00	4.15E+01
				Total-Gam	0.00E+00		
				H3GW	<-8.5E+01	0.00E+00	2.50E+02

Sample ID:	389738	Sample Dates:	9/8/2015 - 9/8/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3GW	<-6.5E+01	0.00E+00	2.55E+02

Sample ID:	398615	Sample Dates:	12/8/2015 - 12/8/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<8.43E+00	0.00E+00	8.43E+00
				Co-58	<9.70E+00	0.00E+00	9.70E+00
				Fe-59	<2.14E+01	0.00E+00	2.14E+01
				Co-60	<8.19E+00	0.00E+00	8.19E+00
				Zn-65	<1.85E+01	0.00E+00	1.85E+01
				Zr-95	<1.61E+01	0.00E+00	1.61E+01
				Nb-95	<1.14E+01	0.00E+00	1.14E+01
				I-131	<4.80E+01	0.00E+00	4.80E+01
				Cs-134	<6.71E+00	0.00E+00	6.71E+00
				Cs-137	<7.14E+00	0.00E+00	7.14E+00
				La-140	<3.42E+04	0.00E+00	3.42E+04
				Ba-140	<9.25E+01	0.00E+00	9.25E+01
				Total-Gam	0.00E+00		
				H3GW	<-1.3E+01	0.00E+00	2.71E+02

Sample Point 612 [ INDICATOR - -- @ 0 miles ]

Sample ID:	373968	Sample Dates:	3/9/2015 - 3/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<7.48E+00	0.00E+00	7.48E+00
				Co-58	<8.20E+00	0.00E+00	8.21E+00
				Fe-59	<2.03E+01	0.00E+00	2.03E+01
				Co-60	<1.02E+01	0.00E+00	1.02E+01
				Zn-65	<1.57E+01	0.00E+00	1.57E+01
				Zr-95	<1.34E+01	0.00E+00	1.34E+01
				Nb-95	<8.85E+00	0.00E+00	8.85E+00
				I-131	<1.69E+01	0.00E+00	1.69E+01
				Cs-134	<7.80E+00	0.00E+00	7.80E+00
				Cs-137	<1.11E+01	0.00E+00	1.11E+01
				La-140	<3.62E+02	0.00E+00	3.62E+02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 612 [ INDICATOR - -- @ 0 miles ]

Sample ID: 373968	Sample Dates: 3/9/2015 - 3/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		Ba-140	<3.94E+01	0.00E+00	3.94E+01
		Total-Gam	0.00E+00		
		H3GW	<-9.1E+01	0.00E+00	2.51E+02
Sample ID: 381727	Sample Dates: 6/11/2015 - 6/11/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<7.15E+00	0.00E+00	7.15E+00
		Co-58	<8.87E+00	0.00E+00	8.87E+00
		Fe-59	<2.15E+01	0.00E+00	2.15E+01
		Co-60	<8.16E+00	0.00E+00	8.16E+00
		Zn-65	<1.99E+01	0.00E+00	1.99E+01
		Zr-95	<1.25E+01	0.00E+00	1.25E+01
		Nb-95	<8.66E+00	0.00E+00	8.66E+00
		I-131	<2.50E+01	0.00E+00	2.50E+01
		Cs-134	<8.46E+00	0.00E+00	8.46E+00
		Cs-137	<9.03E+00	0.00E+00	9.03E+00
		La-140	<1.24E+03	0.00E+00	1.24E+03
		Ba-140	<5.07E+01	0.00E+00	5.07E+01
		Total-Gam	0.00E+00		
Sample ID: 391060	Sample Dates: 9/16/2015 - 9/16/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3GW	<1.61E+01	0.00E+00	2.67E+02
Sample ID: 399020	Sample Dates: 12/14/2015 - 12/14/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<5.88E+00	0.00E+00	5.88E+00
		Co-58	<5.28E+00	0.00E+00	5.28E+00
		Fe-59	<1.95E+01	0.00E+00	1.95E+01
		Co-60	<5.35E+00	0.00E+00	5.35E+00
		Zn-65	<1.71E+01	0.00E+00	1.71E+01
		Zr-95	<1.36E+01	0.00E+00	1.36E+01
		Nb-95	<1.13E+01	0.00E+00	1.13E+01
		I-131	<3.24E+01	0.00E+00	3.24E+01
		Cs-134	<9.18E+00	0.00E+00	9.18E+00
		Cs-137	<8.14E+00	0.00E+00	8.14E+00
		La-140	<4.69E+03	0.00E+00	4.69E+03
		Ba-140	<6.48E+01	0.00E+00	6.48E+01
		Total-Gam	0.00E+00		
		Nuclide	Activity	2 Sigma Error	LLD
		H3GW	<6.05E+01	0.00E+00	2.54E+02

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

Sample Point 500 [ INDICATOR - SSW @ 5 miles ]

Sample ID: 378801	Sample Dates: 5/4/2015 - 5/4/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.13E+01	0.00E+00	1.13E+01
		Co-58	<9.47E+00	0.00E+00	9.47E+00
		Fe-59	<1.70E+01	0.00E+00	1.70E+01
		Co-60	<6.87E+00	0.00E+00	6.87E+00
		Zn-65	<2.48E+01	0.00E+00	2.48E+01
		Zr-95	<1.65E+01	0.00E+00	1.65E+01
		Nb-95	<7.38E+00	0.00E+00	7.38E+00
		I-131	<1.20E+01	0.00E+00	1.20E+01
		Cs-134	<8.69E+00	0.00E+00	8.69E+00
		Cs-137	<8.16E+00	0.00E+00	8.16E+00
		Be-7	<7.18E+01	0.00E+00	7.18E+01
		K-40	1.13E+03	2.37E+02	1.47E+02
		Co-57	<7.75E+00	0.00E+00	7.75E+00
		Mo-99	<3.32E+02	0.00E+00	3.32E+02
		Ag-110M	<7.37E+00	0.00E+00	7.37E+00
Sample ID: 395501	Sample Dates: 11/2/2015 - 11/2/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.26E+01	0.00E+00	1.26E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 500 [ INDICATOR - SSW @ 5 miles ]

Sample ID:	395501	Sample Dates:	11/2/2015 - 11/2/2015	Nuclide	Activity	2 Sigma Error	LLD
				Co-58	<1.18E+01	0.00E+00	1.18E+01
				Fe-59	<2.42E+01	0.00E+00	2.42E+01
				Co-60	<1.65E+01	0.00E+00	1.65E+01
				Zn-65	<2.91E+01	0.00E+00	2.91E+01
				Zr-95	<2.47E+01	0.00E+00	2.47E+01
				Nb-95	<1.39E+01	0.00E+00	1.39E+01
				I-131	<1.91E+01	0.00E+00	1.91E+01
				Cs-134	<1.90E+01	0.00E+00	1.90E+01
				Cs-137	<1.59E+01	0.00E+00	1.59E+01
				Be-7	<9.12E+01	0.00E+00	9.12E+01
				K-40	4.84E+02	1.87E+02	2.11E+02
				Co-57	<1.13E+01	0.00E+00	1.13E+01
				Mo-99	<5.53E+02	0.00E+00	5.53E+02
				Ag-110M	<9.85E+00	0.00E+00	9.85E+00
				Sb-122	<8.44E+01	0.00E+00	8.44E+01
				Sb-125	<3.54E+01	0.00E+00	3.54E+01

Sample Point 501 [ INDICATOR - -- @ 0 miles ]

Sample ID:	379751	Sample Dates:	5/12/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<5.04E+01	0.00E+00	5.04E+01
				Co-58	<5.65E+01	0.00E+00	5.65E+01
				Fe-59	<1.12E+02	0.00E+00	1.12E+02
				Co-60	<5.41E+01	0.00E+00	5.41E+01
				Zn-65	<9.68E+01	0.00E+00	9.68E+01
				Zr-95	<8.99E+01	0.00E+00	8.99E+01
				Nb-95	<6.34E+01	0.00E+00	6.34E+01
				I-131	<1.22E+02	0.00E+00	1.22E+02
				Cs-134	<6.21E+01	0.00E+00	6.21E+01
				Cs-137	1.37E+02	5.28E+01	6.63E+01
				Be-7	<4.81E+02	0.00E+00	4.81E+02
				K-40	1.03E+04	1.51E+03	4.55E+02
				Co-57	<3.47E+01	0.00E+00	3.47E+01
				Mo-99	<6.89E+03	0.00E+00	6.89E+03
				Ag-110M	<4.08E+01	0.00E+00	4.08E+01
				Sb-122	<2.15E+03	0.00E+00	2.15E+03
				Sb-125	<1.05E+02	0.00E+00	1.05E+02
				Fe-55	<1.38E+04	0.00E+00	1.38E+04
				Sr-89	<1.14E+03	0.00E+00	1.14E+03
				Sr-90	<1.81E+03	0.00E+00	1.81E+03

Sample ID:	395793	Sample Dates:	11/3/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<3.04E+01	0.00E+00	3.04E+01
				Co-58	<2.84E+01	0.00E+00	2.84E+01
				Fe-59	<5.22E+01	0.00E+00	5.22E+01
				Co-60	<3.64E+01	0.00E+00	3.64E+01
				Zn-65	<7.57E+01	0.00E+00	7.57E+01
				Zr-95	<4.79E+01	0.00E+00	4.79E+01
				Nb-95	<4.08E+01	0.00E+00	4.08E+01
				I-131	<5.68E+01	0.00E+00	5.67E+01
				Cs-134	<3.75E+01	0.00E+00	3.75E+01
				Cs-137	1.27E+02	4.17E+01	5.33E+01
				Be-7	6.11E+02	2.62E+02	3.66E+02
				K-40	8.99E+03	1.14E+03	4.02E+02
				Co-57	<1.99E+01	0.00E+00	1.99E+01
				Mo-99	<2.05E+03	0.00E+00	2.05E+03
				Ag-110M	<2.49E+01	0.00E+00	2.49E+01
				Sb-122	<3.21E+02	0.00E+00	3.21E+02
				Sb-125	<6.17E+01	0.00E+00	6.17E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 400 [ CONTROL - NE @ 0.6 miles ]

Sample ID: 369322	Sample Dates: 1/5/2015 - 2/2/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<2.64E+00	0.00E+00	2.64E+00
		Co-58	<2.96E+00	0.00E+00	2.96E+00
		Fe-59	<7.46E+00	0.00E+00	7.46E+00
		Co-60	<2.69E+00	0.00E+00	2.69E+00
		Zn-65	<5.18E+00	0.00E+00	5.18E+00
		Zr-95	<4.51E+00	0.00E+00	4.51E+00
		Nb-95	<3.92E+00	0.00E+00	3.92E+00
		I-131	<1.03E+01	0.00E+00	1.03E+01
		Cs-134	<2.60E+00	0.00E+00	2.60E+00
		Cs-137	<2.73E+00	0.00E+00	2.73E+00
		BaLa-140	<4.47E+00	0.00E+00	4.47E+00
		H3SW	<5.55E+01	0.00E+00	2.02E+02

Sample ID: 372310	Sample Dates: 2/2/2015 - 3/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<3.29E+00	0.00E+00	3.29E+00
		Co-58	<4.18E+00	0.00E+00	4.18E+00
		Fe-59	<6.42E+00	0.00E+00	6.42E+00
		Co-60	<3.46E+00	0.00E+00	3.46E+00
		Zn-65	<8.13E+00	0.00E+00	8.13E+00
		Zr-95	<4.73E+00	0.00E+00	4.73E+00
		Nb-95	<4.59E+00	0.00E+00	4.59E+00
		I-131	<1.18E+01	0.00E+00	1.18E+01
		Cs-134	<3.46E+00	0.00E+00	3.46E+00
		Cs-137	<4.67E+00	0.00E+00	4.67E+00
		BaLa-140	<9.64E+00	0.00E+00	9.64E+00
		H3SW	<4.8E+01	0.00E+00	1.90E+02

Sample ID: 375788	Sample Dates: 3/1/2015 - 4/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.18E+00	0.00E+00	1.18E+00
		Co-58	<1.20E+00	0.00E+00	1.20E+00
		Fe-59	<2.59E+00	0.00E+00	2.59E+00
		Co-60	<1.03E+00	0.00E+00	1.03E+00
		Zn-65	<2.18E+00	0.00E+00	2.18E+00
		Zr-95	<2.71E+00	0.00E+00	2.71E+00
		Nb-95	<1.62E+00	0.00E+00	1.62E+00
		I-131	<1.08E+01	0.00E+00	1.08E+01
		Cs-134	<1.16E+00	0.00E+00	1.16E+00
		Cs-137	<1.14E+00	0.00E+00	1.14E+00
		BaLa-140	<3.96E+00	0.00E+00	3.96E+00
		H3SW	<8.08E+00	0.00E+00	1.99E+02

Sample ID: 378798	Sample Dates: 4/1/2015 - 5/4/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.32E+00	0.00E+00	1.32E+00
		Co-58	<1.41E+00	0.00E+00	1.41E+00
		Fe-59	<3.06E+00	0.00E+00	3.06E+00
		Co-60	<1.33E+00	0.00E+00	1.33E+00
		Zn-65	<2.36E+00	0.00E+00	2.36E+00
		Zr-95	<2.33E+00	0.00E+00	2.33E+00
		Nb-95	<2.04E+00	0.00E+00	2.04E+00
		I-131	<1.04E+01	0.00E+00	1.04E+01
		Cs-134	<1.41E+00	0.00E+00	1.41E+00
		Cs-137	<1.42E+00	0.00E+00	1.42E+00
		BaLa-140	<3.98E+00	0.00E+00	3.98E+00
		H3SW	<4.27E+01	0.00E+00	1.85E+02

Sample ID: 380668	Sample Dates: 5/4/2015 - 6/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<2.20E+00	0.00E+00	2.20E+00
		Co-58	<2.80E+00	0.00E+00	2.80E+00
		Fe-59	<5.35E+00	0.00E+00	5.35E+00
		Co-60	<3.77E+00	0.00E+00	3.77E+00
		Zn-65	<6.58E+00	0.00E+00	6.58E+00
		Zr-95	<6.87E+00	0.00E+00	6.87E+00
		Nb-95	<3.33E+00	0.00E+00	3.33E+00
		I-131	<1.19E+01	0.00E+00	1.19E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 400 [ CONTROL - NE @ 0.6 miles ]

Sample ID:	380668	Sample Dates:	5/4/2015 - 6/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<2.63E+00	0.00E+00	2.63E+00
				Cs-137	<3.47E+00	0.00E+00	3.47E+00
				BaLa-140	<8.98E+00	0.00E+00	8.98E+00
				H3SW	<9.53E+00	0.00E+00	1.91E+02

Sample ID:	381595	Sample Dates:	6/1/2015 - 7/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.85E+00	0.00E+00	1.85E+00
				Co-58	<1.92E+00	0.00E+00	1.92E+00
				Fe-59	<4.94E+00	0.00E+00	4.94E+00
				Co-60	<1.45E+00	0.00E+00	1.45E+00
				Zn-65	<3.26E+00	0.00E+00	3.26E+00
				Zr-95	<3.94E+00	0.00E+00	3.94E+00
				Nb-95	<2.52E+00	0.00E+00	2.52E+00
				I-131	<1.02E+01	0.00E+00	1.02E+01
				Cs-134	<2.25E+00	0.00E+00	2.25E+00
				Cs-137	<1.76E+00	0.00E+00	1.76E+00
				BaLa-140	<4.98E+00	0.00E+00	4.98E+00
				H3SW	<-1.9E+01	0.00E+00	1.97E+02

Sample ID:	384089	Sample Dates:	7/1/2015 - 8/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.61E+00	0.00E+00	1.61E+00
				Co-58	<1.78E+00	0.00E+00	1.78E+00
				Fe-59	<3.62E+00	0.00E+00	3.62E+00
				Co-60	<1.26E+00	0.00E+00	1.26E+00
				Zn-65	<3.23E+00	0.00E+00	3.23E+00
				Zr-95	<3.41E+00	0.00E+00	3.41E+00
				Nb-95	<2.40E+00	0.00E+00	2.40E+00
				I-131	<1.14E+01	0.00E+00	1.14E+01
				Cs-134	<1.64E+00	0.00E+00	1.64E+00
				Cs-137	<1.60E+00	0.00E+00	1.60E+00
				BaLa-140	<4.75E+00	0.00E+00	4.75E+00
				H3SW	<-3.1E+01	0.00E+00	1.92E+02

Sample ID:	386821	Sample Dates:	8/3/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<2.64E+00	0.00E+00	2.64E+00
				Co-58	<3.02E+00	0.00E+00	3.02E+00
				Fe-59	<7.41E+00	0.00E+00	7.41E+00
				Co-60	<2.63E+00	0.00E+00	2.63E+00
				Zn-65	<6.51E+00	0.00E+00	6.51E+00
				Zr-95	<5.76E+00	0.00E+00	5.76E+00
				Nb-95	<3.32E+00	0.00E+00	3.32E+00
				I-131	<1.08E+01	0.00E+00	1.08E+01
				Cs-134	<2.92E+00	0.00E+00	2.92E+00
				Cs-137	<2.99E+00	0.00E+00	2.99E+00
				BaLa-140	<7.94E+00	0.00E+00	7.94E+00
				H3SW	<1.92E+00	0.00E+00	1.88E+02

Sample ID:	390007	Sample Dates:	9/1/2015 - 10/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.82E+00	0.00E+00	1.82E+00
				Co-58	<2.23E+00	0.00E+00	2.23E+00
				Fe-59	<5.08E+00	0.00E+00	5.08E+00
				Co-60	<2.28E+00	0.00E+00	2.28E+00
				Zn-65	<4.52E+00	0.00E+00	4.52E+00
				Zr-95	<4.18E+00	0.00E+00	4.18E+00
				Nb-95	<2.82E+00	0.00E+00	2.82E+00
				I-131	<1.09E+01	0.00E+00	1.09E+01
				Cs-134	<2.20E+00	0.00E+00	2.20E+00
				Cs-137	<2.06E+00	0.00E+00	2.06E+00
				BaLa-140	<6.37E+00	0.00E+00	6.37E+00
				H3SW	<-1.1E+02	0.00E+00	2.02E+02

Sample ID:	393427	Sample Dates:	10/1/2015 - 11/2/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<2.14E+00	0.00E+00	2.14E+00
				Co-58	<1.87E+00	0.00E+00	1.87E+00





# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 400 [ CONTROL - NE @ 0.6 miles ]

Sample ID: 393427	Sample Dates: 10/1/2015 - 11/2/2015	Nuclide	Activity	2 Sigma Error	LLD
		Fe-59	<5.53E+00	0.00E+00	5.53E+00
		Co-60	<2.48E+00	0.00E+00	2.48E+00
		Zn-65	<4.10E+00	0.00E+00	4.10E+00
		Zr-95	<4.07E+00	0.00E+00	4.07E+00
		Nb-95	<3.09E+00	0.00E+00	3.09E+00
		I-131	<9.73E+00	0.00E+00	9.73E+00
		Cs-134	<2.20E+00	0.00E+00	2.20E+00
		Cs-137	<2.25E+00	0.00E+00	2.25E+00
		BaLa-140	<5.98E+00	0.00E+00	5.98E+00
		H3SW	<-1.5E+02	0.00E+00	1.93E+02

Sample ID: 395626	Sample Dates: 11/2/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.88E+00	0.00E+00	1.88E+00
		Co-58	<2.18E+00	0.00E+00	2.18E+00
		Fe-59	<4.57E+00	0.00E+00	4.57E+00
		Co-60	<2.24E+00	0.00E+00	2.24E+00
		Zn-65	<3.38E+00	0.00E+00	3.38E+00
		Zr-95	<3.66E+00	0.00E+00	3.66E+00
		Nb-95	<2.88E+00	0.00E+00	2.88E+00
		I-131	<1.13E+01	0.00E+00	1.13E+01
		Cs-134	<2.03E+00	0.00E+00	2.03E+00
		Cs-137	<2.18E+00	0.00E+00	2.18E+00
		BaLa-140	<6.51E+00	0.00E+00	6.51E+00
		H3SW	<-3.1E+01	0.00E+00	1.85E+02

Sample ID: 397891	Sample Dates: 12/1/2015 - 1/5/2016	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.79E+00	0.00E+00	1.79E+00
		Co-58	<2.05E+00	0.00E+00	2.05E+00
		Fe-59	<5.01E+00	0.00E+00	5.01E+00
		Co-60	<2.61E+00	0.00E+00	2.61E+00
		Zn-65	<3.15E+00	0.00E+00	3.15E+00
		Zr-95	<3.73E+00	0.00E+00	3.73E+00
		Nb-95	<2.70E+00	0.00E+00	2.70E+00
		I-131	<9.80E+00	0.00E+00	9.80E+00
		Cs-134	<1.79E+00	0.00E+00	1.79E+00
		Cs-137	<2.15E+00	0.00E+00	2.15E+00
		BaLa-140	<6.15E+00	0.00E+00	6.15E+00
		H3SW	<2.57E+01	0.00E+00	1.77E+02

Sample Point 401 [ INDICATOR - SSW @ 4.9 miles ]

Sample ID: 369323	Sample Dates: 1/5/2015 - 2/2/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<2.85E+00	0.00E+00	2.85E+00
		Co-58	<2.86E+00	0.00E+00	2.86E+00
		Fe-59	<5.53E+00	0.00E+00	5.53E+00
		Co-60	<2.52E+00	0.00E+00	2.52E+00
		Zn-65	<5.55E+00	0.00E+00	5.55E+00
		Zr-95	<5.28E+00	0.00E+00	5.28E+00
		Nb-95	<3.60E+00	0.00E+00	3.60E+00
		I-131	<1.05E+01	0.00E+00	1.05E+01
		Cs-134	<3.00E+00	0.00E+00	3.00E+00
		Cs-137	<2.48E+00	0.00E+00	2.48E+00
		BaLa-140	<6.16E+00	0.00E+00	6.16E+00
		H3SW	<-4.0E+01	0.00E+00	2.02E+02

Sample ID: 372311	Sample Dates: 2/2/2015 - 3/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<2.69E+00	0.00E+00	2.69E+00
		Co-58	<3.66E+00	0.00E+00	3.66E+00
		Fe-59	<7.84E+00	0.00E+00	7.84E+00
		Co-60	<3.60E+00	0.00E+00	3.60E+00
		Zn-65	<7.16E+00	0.00E+00	7.16E+00
		Zr-95	<7.71E+00	0.00E+00	7.71E+00
		Nb-95	<5.29E+00	0.00E+00	5.29E+00
		I-131	<1.14E+01	0.00E+00	1.14E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 401 [ INDICATOR - SSW @ 4.9 miles ]

Sample ID: 372311	Sample Dates: 2/2/2015 - 3/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-134	<4.12E+00	0.00E+00	4.12E+00
		Cs-137	<3.58E+00	0.00E+00	3.58E+00
		BaLa-140	<1.00E+01	0.00E+00	1.00E+01
		H3SW	2.62E+02	1.18E+02	1.91E+02
Sample ID: 375789	Sample Dates: 3/1/2015 - 4/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.55E+00	0.00E+00	1.55E+00
		Co-58	<2.03E+00	0.00E+00	2.03E+00
		Fe-59	<4.19E+00	0.00E+00	4.19E+00
		Co-60	<1.80E+00	0.00E+00	1.80E+00
		Zn-65	<3.51E+00	0.00E+00	3.51E+00
		Zr-95	<2.69E+00	0.00E+00	2.69E+00
		Nb-95	<2.19E+00	0.00E+00	2.19E+00
		I-131	<1.20E+01	0.00E+00	1.20E+01
		Cs-134	<1.91E+00	0.00E+00	1.91E+00
		Cs-137	<1.56E+00	0.00E+00	1.56E+00
		BaLa-140	<5.35E+00	0.00E+00	5.35E+00
		H3SW	3.29E+02	1.25E+02	1.99E+02
Sample ID: 378799	Sample Dates: 4/1/2015 - 5/4/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.27E+00	0.00E+00	1.27E+00
		Co-58	<1.39E+00	0.00E+00	1.39E+00
		Fe-59	<3.37E+00	0.00E+00	3.37E+00
		Co-60	<1.17E+00	0.00E+00	1.17E+00
		Zn-65	<2.99E+00	0.00E+00	2.99E+00
		Zr-95	<2.28E+00	0.00E+00	2.28E+00
		Nb-95	<1.71E+00	0.00E+00	1.71E+00
		I-131	<1.09E+01	0.00E+00	1.09E+01
		Cs-134	<1.29E+00	0.00E+00	1.29E+00
		Cs-137	<1.09E+00	0.00E+00	1.09E+00
		BaLa-140	<3.12E+00	0.00E+00	3.12E+00
		H3SW	<1.41E+01	0.00E+00	1.83E+02
Sample ID: 380669	Sample Dates: 5/4/2015 - 6/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<3.29E+00	0.00E+00	3.29E+00
		Co-58	<3.87E+00	0.00E+00	3.87E+00
		Fe-59	<9.16E+00	0.00E+00	9.16E+00
		Co-60	<3.82E+00	0.00E+00	3.82E+00
		Zn-65	<5.78E+00	0.00E+00	5.78E+00
		Zr-95	<6.50E+00	0.00E+00	6.50E+00
		Nb-95	<4.35E+00	0.00E+00	4.35E+00
		I-131	<1.13E+01	0.00E+00	1.13E+01
		Cs-134	<4.57E+00	0.00E+00	4.57E+00
		Cs-137	<2.79E+00	0.00E+00	2.79E+00
		BaLa-140	<8.77E+00	0.00E+00	8.77E+00
		H3SW	<7.09E+00	0.00E+00	1.89E+02
Sample ID: 381596	Sample Dates: 6/1/2015 - 7/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.70E+00	0.00E+00	1.70E+00
		Co-58	<1.74E+00	0.00E+00	1.74E+00
		Fe-59	<3.73E+00	0.00E+00	3.73E+00
		Co-60	<1.79E+00	0.00E+00	1.79E+00
		Zn-65	<3.33E+00	0.00E+00	3.33E+00
		Zr-95	<3.22E+00	0.00E+00	3.22E+00
		Nb-95	<2.36E+00	0.00E+00	2.36E+00
		I-131	<9.94E+00	0.00E+00	9.94E+00
		Cs-134	<1.75E+00	0.00E+00	1.75E+00
		Cs-137	<2.02E+00	0.00E+00	2.02E+00
		BaLa-140	<6.27E+00	0.00E+00	6.27E+00
		H3SW	<9.17E+01	0.00E+00	1.96E+02
Sample ID: 384090	Sample Dates: 7/1/2015 - 8/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.35E+00	0.00E+00	1.35E+00
		Co-58	<1.75E+00	0.00E+00	1.75E+00



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 401 [ INDICATOR - SSW @ 4.9 miles ]

Sample ID: 384090	Sample Dates: 7/1/2015 - 8/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		Fe-59	<3.70E+00	0.00E+00	3.70E+00
		Co-60	<1.52E+00	0.00E+00	1.52E+00
		Zn-65	<4.31E+00	0.00E+00	4.31E+00
		Zr-95	<3.60E+00	0.00E+00	3.60E+00
		Nb-95	<2.29E+00	0.00E+00	2.29E+00
		I-131	<1.18E+01	0.00E+00	1.18E+01
		Cs-134	<1.51E+00	0.00E+00	1.51E+00
		Cs-137	<1.63E+00	0.00E+00	1.63E+00
		BaLa-140	<7.36E+00	0.00E+00	7.36E+00
		H3SW	<4.98E+01	0.00E+00	1.92E+02

Sample ID: 386822	Sample Dates: 8/3/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<3.37E+00	0.00E+00	3.37E+00
		Co-58	<3.92E+00	0.00E+00	3.92E+00
		Fe-59	<7.29E+00	0.00E+00	7.29E+00
		Co-60	<3.91E+00	0.00E+00	3.91E+00
		Zn-65	<5.15E+00	0.00E+00	5.15E+00
		Zr-95	<8.40E+00	0.00E+00	8.40E+00
		Nb-95	<4.91E+00	0.00E+00	4.91E+00
		I-131	<1.14E+01	0.00E+00	1.14E+01
		Cs-134	<3.58E+00	0.00E+00	3.58E+00
		Cs-137	<2.81E+00	0.00E+00	2.81E+00
		BaLa-140	<1.20E+01	0.00E+00	1.20E+01
		H3SW	<6.32E+01	0.00E+00	1.94E+02

Sample ID: 390008	Sample Dates: 9/1/2015 - 10/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.71E+00	0.00E+00	1.71E+00
		Co-58	<2.25E+00	0.00E+00	2.25E+00
		Fe-59	<4.59E+00	0.00E+00	4.59E+00
		Co-60	<1.73E+00	0.00E+00	1.73E+00
		Zn-65	<4.54E+00	0.00E+00	4.54E+00
		Zr-95	<4.32E+00	0.00E+00	4.32E+00
		Nb-95	<2.82E+00	0.00E+00	2.82E+00
		I-131	<1.14E+01	0.00E+00	1.14E+01
		Cs-134	<2.52E+00	0.00E+00	2.52E+00
		Cs-137	<2.19E+00	0.00E+00	2.19E+00
		BaLa-140	<5.39E+00	0.00E+00	5.39E+00
		H3SW	<6.1E+01	0.00E+00	2.00E+02

Sample ID: 393428	Sample Dates: 10/1/2015 - 11/2/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<2.12E+00	0.00E+00	2.12E+00
		Co-58	<2.39E+00	0.00E+00	2.39E+00
		Fe-59	<6.61E+00	0.00E+00	6.61E+00
		Co-60	<2.84E+00	0.00E+00	2.84E+00
		Zn-65	<4.96E+00	0.00E+00	4.96E+00
		Zr-95	<4.86E+00	0.00E+00	4.86E+00
		Nb-95	<3.48E+00	0.00E+00	3.48E+00
		I-131	<1.09E+01	0.00E+00	1.09E+01
		Cs-134	<2.88E+00	0.00E+00	2.88E+00
		Cs-137	<2.24E+00	0.00E+00	2.24E+00
		BaLa-140	<7.31E+00	0.00E+00	7.31E+00
		H3SW	2.37E+02	1.20E+02	1.94E+02

Sample ID: 395627	Sample Dates: 11/2/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.80E+00	0.00E+00	1.80E+00
		Co-58	<2.14E+00	0.00E+00	2.14E+00
		Fe-59	<5.01E+00	0.00E+00	5.01E+00
		Co-60	<1.74E+00	0.00E+00	1.74E+00
		Zn-65	<3.24E+00	0.00E+00	3.24E+00
		Zr-95	<3.62E+00	0.00E+00	3.62E+00
		Nb-95	<2.77E+00	0.00E+00	2.77E+00
		I-131	<1.20E+01	0.00E+00	1.20E+01
		Cs-134	<2.09E+00	0.00E+00	2.09E+00
		Cs-137	<2.35E+00	0.00E+00	2.35E+00



**BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)**

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

Sample Point 401 [ INDICATOR - SSW @ 4.9 miles ]

Sample ID:	395627	Sample Dates:	11/2/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				BaLa-140	<7.13E+00	0.00E+00	7.13E+00
				H3SW	<1.44E+02	0.00E+00	1.83E+02
Sample ID:	397892	Sample Dates:	12/1/2015 - 1/5/2016	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<2.09E+00	0.00E+00	2.09E+00
				Co-58	<1.99E+00	0.00E+00	1.99E+00
				Fe-59	<4.52E+00	0.00E+00	4.52E+00
				Co-60	<2.21E+00	0.00E+00	2.21E+00
				Zn-65	<3.91E+00	0.00E+00	3.91E+00
				Zr-95	<4.25E+00	0.00E+00	4.25E+00
				Nb-95	<3.10E+00	0.00E+00	3.10E+00
				I-131	<9.70E+00	0.00E+00	9.70E+00
				Cs-134	<2.16E+00	0.00E+00	2.16E+00
				Cs-137	<2.41E+00	0.00E+00	2.41E+00
				BaLa-140	<6.77E+00	0.00E+00	6.77E+00
				H3SW	2.03E+02	1.08E+02	1.75E+02

**Sample Point 494 [ INDICATOR - -- @ 0 miles ]**

Sample ID:	366961	Sample Dates:	1/6/2015 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<9.31E+01	0.00E+00	2.46E+02
Sample ID:	367412	Sample Dates:	1/13/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<4.39E+01	0.00E+00	2.49E+02
Sample ID:	369104	Sample Dates:	1/19/2015 - 1/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-9.9E+01	0.00E+00	2.49E+02
Sample ID:	369347	Sample Dates:	1/26/2015 - 1/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<5.41E+01	0.00E+00	2.48E+02
Sample ID:	369914	Sample Dates:	2/3/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.75E+02	0.00E+00	2.38E+02
Sample ID:	370707	Sample Dates:	2/11/2015 - 2/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<9.60E+01	0.00E+00	2.51E+02
Sample ID:	371706	Sample Dates:	2/18/2015 - 2/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.8E+02	0.00E+00	2.62E+02
Sample ID:	372253	Sample Dates:	2/25/2015 - 2/25/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.33E+02	0.00E+00	2.41E+02
Sample ID:	372975	Sample Dates:	3/4/2015 - 3/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.02E+02	0.00E+00	2.46E+02
Sample ID:	373999	Sample Dates:	3/10/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<7.86E+01	0.00E+00	2.41E+02
Sample ID:	374734	Sample Dates:	3/18/2015 - 3/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-9.1E+01	0.00E+00	2.50E+02
Sample ID:	374885	Sample Dates:	3/24/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-3.5E+00	0.00E+00	2.47E+02
Sample ID:	375208	Sample Dates:	3/31/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.65E+01	0.00E+00	2.56E+02
Sample ID:	376938	Sample Dates:	4/7/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.29E+02	0.00E+00	2.44E+02
Sample ID:	377583	Sample Dates:	4/15/2015 - 4/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.1E+01	0.00E+00	2.53E+02
Sample ID:	378786	Sample Dates:	4/21/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.09E+02	0.00E+00	2.42E+02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 494 [ INDICATOR - -- @ 0 miles ]

Sample ID:	379095	Sample Dates:	4/29/2015 - 4/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.20E+02	0.00E+00	2.53E+02
Sample ID:	379352	Sample Dates:	5/6/2015 - 5/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.93E+02	0.00E+00	2.49E+02
Sample ID:	379713	Sample Dates:	5/12/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.17E+01	0.00E+00	2.52E+02
Sample ID:	380635	Sample Dates:	5/19/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.02E+02	0.00E+00	2.42E+02
Sample ID:	380754	Sample Dates:	5/26/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.14E+02	0.00E+00	2.46E+02
Sample ID:	381082	Sample Dates:	6/2/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.18E+01	0.00E+00	2.47E+02
Sample ID:	381512	Sample Dates:	6/9/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<5.32E+00	0.00E+00	2.47E+02
Sample ID:	381968	Sample Dates:	6/16/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<9.85E+01	0.00E+00	2.49E+02
Sample ID:	382070	Sample Dates:	6/23/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.36E+02	0.00E+00	2.40E+02
Sample ID:	382830	Sample Dates:	6/30/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.11E+02	0.00E+00	2.53E+02
Sample ID:	383475	Sample Dates:	7/7/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<8.23E+01	0.00E+00	2.48E+02
Sample ID:	383958	Sample Dates:	7/14/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.5E+01	0.00E+00	2.64E+02
Sample ID:	384787	Sample Dates:	7/22/2015 - 7/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-4.1E+01	0.00E+00	2.71E+02
Sample ID:	384898	Sample Dates:	7/28/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<5.60E+01	0.00E+00	2.56E+02
Sample ID:	386048	Sample Dates:	8/4/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.58E+01	0.00E+00	2.64E+02
Sample ID:	386314	Sample Dates:	8/11/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.28E+02	0.00E+00	2.47E+02
Sample ID:	387331	Sample Dates:	8/18/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.03E+02	0.00E+00	2.48E+02
Sample ID:	388458	Sample Dates:	8/26/2015 - 8/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<8.34E+01	0.00E+00	2.54E+02
Sample ID:	389717	Sample Dates:	9/1/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.6E+02	0.00E+00	2.62E+02
Sample ID:	390740	Sample Dates:	9/9/2015 - 9/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<4.39E+01	0.00E+00	2.75E+02
Sample ID:	390881	Sample Dates:	9/15/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.42E+01	0.00E+00	2.54E+02
Sample ID:	392729	Sample Dates:	9/22/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<4.58E+01	0.00E+00	2.55E+02
Sample ID:	393189	Sample Dates:	9/29/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.0E+02	0.00E+00	2.55E+02



## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 494 [ INDICATOR - -- @ 0 miles ]

Sample ID:	394958	Sample Dates:	10/7/2015 - 10/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-2.4E+01	0.00E+00	2.53E+02
Sample ID:	395070	Sample Dates:	10/13/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.47E+02	0.00E+00	2.62E+02
Sample ID:	395249	Sample Dates:	10/20/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.66E+01	0.00E+00	2.55E+02
Sample ID:	395452	Sample Dates:	10/27/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-7.3E+00	0.00E+00	2.51E+02
Sample ID:	395848	Sample Dates:	11/3/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.07E+02	0.00E+00	2.51E+02
Sample ID:	396242	Sample Dates:	11/11/2015 - 11/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-3.1E+01	0.00E+00	2.55E+02
Sample ID:	397567	Sample Dates:	11/17/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-2.7E+01	0.00E+00	2.56E+02
Sample ID:	397744	Sample Dates:	11/24/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.56E+02	0.00E+00	2.42E+02
Sample ID:	398117	Sample Dates:	12/1/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<6.77E+01	0.00E+00	2.53E+02
Sample ID:	398606	Sample Dates:	12/9/2015 - 12/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<8.50E+01	0.00E+00	2.53E+02
Sample ID:	399034	Sample Dates:	12/15/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<9.58E+01	0.00E+00	2.67E+02
Sample ID:	399100	Sample Dates:	12/23/2015 - 12/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.83E+02	0.00E+00	2.52E+02
Sample ID:	399406	Sample Dates:	12/29/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.94E+01	0.00E+00	2.55E+02

Sample Point 495 [ INDICATOR - -- @ 0 miles ]

Sample ID:	366908	Sample Dates:	1/6/2015 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.4E+01	0.00E+00	2.47E+02
Sample ID:	367335	Sample Dates:	1/13/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.8E+02	0.00E+00	2.57E+02
Sample ID:	368900	Sample Dates:	1/19/2015 - 1/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-8.1E+01	0.00E+00	2.60E+02
Sample ID:	369105	Sample Dates:	1/6/2015 - 1/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<9.39E+00	0.00E+00	9.39E+00
				Co-58	<7.28E+00	0.00E+00	7.28E+00
				Fe-59	<2.20E+01	0.00E+00	2.20E+01
				Co-60	<8.19E+00	0.00E+00	8.19E+00
				Zn-65	<1.94E+01	0.00E+00	1.94E+01
				Zr-95	<1.58E+01	0.00E+00	1.58E+01
				Nb-95	<1.19E+01	0.00E+00	1.19E+01
				I-131	<3.84E+01	0.00E+00	3.84E+01
				Cs-134	<8.10E+00	0.00E+00	8.10E+00
				Cs-137	<9.04E+00	0.00E+00	9.04E+00
				La-140	<2.62E+04	0.00E+00	2.62E+04
				Ba-140	<8.61E+01	0.00E+00	8.61E+01
				Total-Gam	0.00E+00		
Sample ID:	369333	Sample Dates:	1/26/2015 - 1/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.70E+02	0.00E+00	2.45E+02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 495 [ INDICATOR - -- @ 0 miles ]

Sample ID:	369643	Sample Dates:	2/3/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.29E+01	0.00E+00	2.36E+02
Sample ID:	370545	Sample Dates:	2/11/2015 - 2/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<7.32E+01	0.00E+00	2.54E+02
Sample ID:	371516	Sample Dates:	2/18/2015 - 2/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-2.3E+02	0.00E+00	2.67E+02
Sample ID:	372699	Sample Dates:	2/3/2015 - 2/25/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<8.83E+00	0.00E+00	8.83E+00
				Co-58	<1.08E+01	0.00E+00	1.08E+01
				Fe-59	<2.25E+01	0.00E+00	2.25E+01
				Co-60	<8.20E+00	0.00E+00	8.20E+00
				Zn-65	<1.39E+01	0.00E+00	1.39E+01
				Zr-95	<1.59E+01	0.00E+00	1.59E+01
				Nb-95	<1.26E+01	0.00E+00	1.26E+01
				I-131	<6.03E+01	0.00E+00	6.03E+01
				Cs-134	<8.35E+00	0.00E+00	8.35E+00
				Cs-137	<9.59E+00	0.00E+00	9.59E+00
				La-140	<1.70E+05	0.00E+00	1.70E+05
				Ba-140	<1.01E+02	0.00E+00	1.01E+02
				Total-Gam	0.00E+00		
Sample ID:	372241	Sample Dates:	2/25/2015 - 2/25/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.09E+02	0.00E+00	2.42E+02
Sample ID:	372963	Sample Dates:	3/4/2015 - 3/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.44E+01	0.00E+00	2.45E+02
Sample ID:	373986	Sample Dates:	3/10/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<7.65E+01	0.00E+00	2.56E+02
Sample ID:	374722	Sample Dates:	3/18/2015 - 3/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.5E+02	0.00E+00	2.58E+02
Sample ID:	374873	Sample Dates:	3/24/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.6E+02	0.00E+00	2.58E+02
Sample ID:	375209	Sample Dates:	3/4/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<8.30E+00	0.00E+00	8.30E+00
				Co-58	<7.84E+00	0.00E+00	7.84E+00
				Fe-59	<1.57E+01	0.00E+00	1.57E+01
				Co-60	<6.84E+00	0.00E+00	6.84E+00
				Zn-65	<1.35E+01	0.00E+00	1.35E+01
				Zr-95	<1.68E+01	0.00E+00	1.68E+01
				Nb-95	<1.07E+01	0.00E+00	1.07E+01
				I-131	<2.73E+01	0.00E+00	2.73E+01
				Cs-134	<7.84E+00	0.00E+00	7.84E+00
				Cs-137	<1.08E+01	0.00E+00	1.08E+01
				La-140	<2.82E+03	0.00E+00	2.82E+03
				Ba-140	<6.43E+01	0.00E+00	6.43E+01
				Total-Gam	0.00E+00		
Sample ID:	375196	Sample Dates:	3/31/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<5.42E+00	0.00E+00	2.54E+02
Sample ID:	376607	Sample Dates:	4/7/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<8.71E+01	0.00E+00	2.51E+02
Sample ID:	377303	Sample Dates:	4/15/2015 - 4/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.9E+01	0.00E+00	2.47E+02
Sample ID:	378186	Sample Dates:	4/21/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<8.28E+01	0.00E+00	2.46E+02

# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 495 [ INDICATOR - -- @ 0 miles ]

Sample ID:	378788	Sample Dates:	4/7/2015 - 4/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<8.36E+00	0.00E+00	8.36E+00
				Co-58	<1.05E+01	0.00E+00	1.05E+01
				Fe-59	<2.43E+01	0.00E+00	2.43E+01
				Co-60	<9.78E+00	0.00E+00	9.78E+00
				Zn-65	<1.36E+01	0.00E+00	1.36E+01
				Zr-95	<1.55E+01	0.00E+00	1.55E+01
				Nb-95	<1.18E+01	0.00E+00	1.18E+01
				I-131	<3.42E+01	0.00E+00	3.42E+01
				Cs-134	<9.27E+00	0.00E+00	9.27E+00
				Cs-137	<9.85E+00	0.00E+00	9.85E+00
				La-140	<1.26E+04	0.00E+00	1.26E+04
				Ba-140	<7.91E+01	0.00E+00	7.91E+01
				Total-Gam	0.00E+00		
Sample ID:	378927	Sample Dates:	4/29/2015 - 4/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.6E+01	0.00E+00	2.55E+02
Sample ID:	379340	Sample Dates:	5/6/2015 - 5/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<7.78E+01	0.00E+00	2.53E+02
Sample ID:	379684	Sample Dates:	5/12/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.90E+01	0.00E+00	2.53E+02
Sample ID:	380586	Sample Dates:	5/19/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<6.74E+01	0.00E+00	2.48E+02
Sample ID:	380673	Sample Dates:	5/6/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<9.95E+00	0.00E+00	9.95E+00
				Co-58	<1.01E+01	0.00E+00	1.01E+01
				Fe-59	<2.13E+01	0.00E+00	2.13E+01
				Co-60	<8.39E+00	0.00E+00	8.39E+00
				Zn-65	<1.61E+01	0.00E+00	1.61E+01
				Zr-95	<1.32E+01	0.00E+00	1.32E+01
				Nb-95	<1.22E+01	0.00E+00	1.22E+01
				I-131	<4.24E+01	0.00E+00	4.24E+01
				Cs-134	<7.42E+00	0.00E+00	7.42E+00
				Cs-137	<8.45E+00	0.00E+00	8.45E+00
				La-140	<8.49E+03	0.00E+00	8.49E+03
				Ba-140	<7.86E+01	0.00E+00	7.86E+01
				Total-Gam	0.00E+00		
Sample ID:	380734	Sample Dates:	5/26/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<6.21E+01	0.00E+00	2.44E+02
Sample ID:	381070	Sample Dates:	6/2/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.36E+02	0.00E+00	2.46E+02
Sample ID:	381445	Sample Dates:	6/9/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.36E+02	0.00E+00	2.47E+02
Sample ID:	381761	Sample Dates:	6/16/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.49E+01	0.00E+00	2.45E+02
Sample ID:	381972	Sample Dates:	6/23/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.0E+02	0.00E+00	2.47E+02
Sample ID:	382353	Sample Dates:	6/2/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<7.19E+00	0.00E+00	7.19E+00
				Co-58	<1.02E+01	0.00E+00	1.02E+01
				Fe-59	<2.14E+01	0.00E+00	2.14E+01
				Co-60	<7.56E+00	0.00E+00	7.57E+00
				Zn-65	<1.35E+01	0.00E+00	1.35E+01
				Zr-95	<1.56E+01	0.00E+00	1.56E+01
				Nb-95	<9.54E+00	0.00E+00	9.54E+00
				I-131	<2.88E+01	0.00E+00	2.88E+01





# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 495 [ INDICATOR - -- @ 0 miles ]

Sample ID:	382353	Sample Dates:	6/2/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				Cs-134	<8.27E+00	0.00E+00	8.27E+00
				Cs-137	<1.03E+01	0.00E+00	1.03E+01
				La-140	<2.64E+03	0.00E+00	2.64E+03
				Ba-140	<7.31E+01	0.00E+00	7.31E+01
				Total-Gam	0.00E+00		
Sample ID:	382527	Sample Dates:	6/30/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.01E+02	0.00E+00	2.42E+02
Sample ID:	383463	Sample Dates:	7/7/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<7.49E+01	0.00E+00	2.50E+02
Sample ID:	383947	Sample Dates:	7/14/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<5.50E+01	0.00E+00	2.56E+02
Sample ID:	384775	Sample Dates:	7/22/2015 - 7/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-6.7E+01	0.00E+00	2.68E+02
Sample ID:	384901	Sample Dates:	7/7/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<6.73E+00	0.00E+00	6.73E+00
				Co-58	<1.04E+01	0.00E+00	1.04E+01
				Fe-59	<1.81E+01	0.00E+00	1.81E+01
				Co-60	<1.02E+01	0.00E+00	1.02E+01
				Zn-65	<1.58E+01	0.00E+00	1.58E+01
				Zr-95	<1.06E+01	0.00E+00	1.06E+01
				Nb-95	<1.00E+01	0.00E+00	1.00E+01
				I-131	<2.00E+01	0.00E+00	2.00E+01
				Cs-134	<7.82E+00	0.00E+00	7.82E+00
				Cs-137	<9.84E+00	0.00E+00	9.84E+00
				La-140	<4.77E+02	0.00E+00	4.77E+02
				Ba-140	<5.41E+01	0.00E+00	5.41E+01
				Total-Gam	0.00E+00		
Sample ID:	384886	Sample Dates:	7/28/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.11E+02	0.00E+00	2.45E+02
Sample ID:	386036	Sample Dates:	8/4/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.33E+01	0.00E+00	2.59E+02
Sample ID:	386302	Sample Dates:	8/11/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-7.6E+01	0.00E+00	2.57E+02
Sample ID:	387257	Sample Dates:	8/18/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-4.3E+01	0.00E+00	2.54E+02
Sample ID:	388464	Sample Dates:	8/4/2015 - 8/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<7.24E+00	0.00E+00	7.24E+00
				Co-58	<8.94E+00	0.00E+00	8.94E+00
				Fe-59	<2.33E+01	0.00E+00	2.33E+01
				Co-60	<8.18E+00	0.00E+00	8.18E+00
				Zn-65	<1.49E+01	0.00E+00	1.49E+01
				Zr-95	<1.39E+01	0.00E+00	1.39E+01
				Nb-95	<1.05E+01	0.00E+00	1.05E+01
				I-131	<3.86E+01	0.00E+00	3.86E+01
				Cs-134	<7.87E+00	0.00E+00	7.87E+00
				Cs-137	<1.04E+01	0.00E+00	1.04E+01
				La-140	<1.34E+04	0.00E+00	1.34E+04
				Ba-140	<6.92E+01	0.00E+00	6.92E+01
				Total-Gam	0.00E+00		
Sample ID:	388445	Sample Dates:	8/26/2015 - 8/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<8.47E+01	0.00E+00	2.51E+02
Sample ID:	389511	Sample Dates:	9/1/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.19E+02	0.00E+00	2.54E+02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 495 [ INDICATOR - -- @ 0 miles ]

Sample ID:	390137	Sample Dates:	9/9/2015 - 9/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.62E+01	0.00E+00	2.56E+02
Sample ID:	390869	Sample Dates:	9/15/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<9.43E+01	0.00E+00	2.58E+02
Sample ID:	392091	Sample Dates:	9/22/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.08E+02	0.00E+00	2.70E+02
Sample ID:	392603	Sample Dates:	9/1/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<9.41E+00	0.00E+00	9.41E+00
				Co-58	<1.04E+01	0.00E+00	1.04E+01
				Fe-59	<2.55E+01	0.00E+00	2.55E+01
				Co-60	<9.79E+00	0.00E+00	9.79E+00
				Zn-65	<1.85E+01	0.00E+00	1.85E+01
				Zr-95	<1.60E+01	0.00E+00	1.60E+01
				Nb-95	<1.07E+01	0.00E+00	1.07E+01
				I-131	<5.01E+01	0.00E+00	5.01E+01
				Cs-134	<9.11E+00	0.00E+00	9.11E+00
				Cs-137	<9.04E+00	0.00E+00	9.04E+00
				La-140	<4.32E+04	0.00E+00	4.32E+04
				Ba-140	<9.88E+01	0.00E+00	9.88E+01
				Total-Gam	0.00E+00		
Sample ID:	392577	Sample Dates:	9/29/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<4.20E+01	0.00E+00	2.49E+02
Sample ID:	394946	Sample Dates:	10/7/2015 - 10/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.3E+02	0.00E+00	2.57E+02
Sample ID:	395058	Sample Dates:	10/13/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.0E+02	0.00E+00	2.71E+02
Sample ID:	395212	Sample Dates:	10/20/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.00E+01	0.00E+00	2.69E+02
Sample ID:	395250	Sample Dates:	10/7/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<6.81E+00	0.00E+00	6.81E+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	<6.91E+00	0.00E+00	6.91E+00
				Zn-65	<1.61E+01	0.00E+00	1.61E+01
				Zr-95	<1.73E+01	0.00E+00	1.73E+01
				Nb-95	<1.27E+01	0.00E+00	1.27E+01
				I-131	<3.66E+01	0.00E+00	3.66E+01
				Cs-134	<7.86E+00	0.00E+00	7.86E+00
				Cs-137	<1.03E+01	0.00E+00	1.04E+01
				La-140	<9.04E+03	0.00E+00	9.04E+03
				Ba-140	<7.33E+01	0.00E+00	7.33E+01
				Total-Gam	0.00E+00		
Sample ID:	395440	Sample Dates:	10/27/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.10E+01	0.00E+00	2.54E+02
Sample ID:	395807	Sample Dates:	11/3/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-7.1E+01	0.00E+00	2.51E+02
Sample ID:	396083	Sample Dates:	11/11/2015 - 11/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-3.3E+01	0.00E+00	2.54E+02
Sample ID:	397553	Sample Dates:	11/17/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<7.83E+01	0.00E+00	2.51E+02
Sample ID:	397751	Sample Dates:	11/3/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<7.34E+00	0.00E+00	7.34E+00
				Co-58	<7.59E+00	0.00E+00	7.59E+00
				Fe-59	<2.57E+01	0.00E+00	2.57E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 495 [ INDICATOR --- @ 0 miles ]

Sample ID: 397751	Sample Dates: 11/3/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		Co-60	<7.68E+00	0.00E+00	7.68E+00
		Zn-65	<1.86E+01	0.00E+00	1.86E+01
		Zr-95	<1.80E+01	0.00E+00	1.80E+01
		Nb-95	<1.46E+01	0.00E+00	1.46E+01
		I-131	<6.33E+01	0.00E+00	6.33E+01
		Cs-134	<8.55E+00	0.00E+00	8.55E+00
		Cs-137	<9.32E+00	0.00E+00	9.32E+00
		La-140	<1.49E+05	0.00E+00	1.49E+05
		Ba-140	<1.01E+02	0.00E+00	1.01E+02
Sample ID: 397732	Sample Dates: 11/24/2015 - 11/24/2015	Total-Gam	0.00E+00		
		Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-2.6E+01	0.00E+00	2.59E+02
Sample ID: 398105	Sample Dates: 12/1/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<1.30E+02	0.00E+00	2.62E+02
Sample ID: 398520	Sample Dates: 12/9/2015 - 12/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<6.96E+01	0.00E+00	2.51E+02
Sample ID: 399022	Sample Dates: 12/15/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<3.94E+01	0.00E+00	2.62E+02
Sample ID: 399088	Sample Dates: 12/23/2015 - 12/23/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<4.77E+01	0.00E+00	2.52E+02
Sample ID: 399072	Sample Dates: 12/1/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<7.61E+00	0.00E+00	7.61E+00
		Co-58	<7.98E+00	0.00E+00	7.98E+00
		Fe-59	<1.61E+01	0.00E+00	1.61E+01
		Co-60	<8.39E+00	0.00E+00	8.39E+00
		Zn-65	<2.02E+01	0.00E+00	2.02E+01
		Zr-95	<1.52E+01	0.00E+00	1.52E+01
		Nb-95	<8.88E+00	0.00E+00	8.88E+00
		I-131	<2.90E+01	0.00E+00	2.90E+01
		Cs-134	<7.41E+00	0.00E+00	7.41E+00
		Cs-137	<1.06E+01	0.00E+00	1.06E+01
		La-140	<3.95E+03	0.00E+00	3.95E+03
		Ba-140	<6.63E+01	0.00E+00	6.63E+01
Sample ID: 399146	Sample Dates: 12/29/2015 - 12/29/2015	Total-Gam	0.00E+00		
		Nuclide	Activity	2 Sigma Error	LLD
Sample Point 496 [ INDICATOR --- @ 0 miles ]		H3SW	<-1.7E+01	0.00E+00	2.58E+02

Sample ID: 366909	Sample Dates: 1/6/2015 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<7.48E+01	0.00E+00	2.48E+02
Sample ID: 367336	Sample Dates: 1/13/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-1.1E+02	0.00E+00	2.56E+02
Sample ID: 368901	Sample Dates: 1/19/2015 - 1/19/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-6.1E+01	0.00E+00	2.60E+02
Sample ID: 369106	Sample Dates: 1/6/2015 - 1/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<8.41E+00	0.00E+00	8.41E+00
		Co-58	<9.62E+00	0.00E+00	9.62E+00
		Fe-59	<2.44E+01	0.00E+00	2.44E+01
		Co-60	<9.79E+00	0.00E+00	9.79E+00
		Zn-65	<1.23E+01	0.00E+00	1.23E+01
		Zr-95	<1.74E+01	0.00E+00	1.74E+01
		Nb-95	<1.44E+01	0.00E+00	1.44E+01
		I-131	<4.98E+01	0.00E+00	4.98E+01
		Cs-134	<8.11E+00	0.00E+00	8.11E+00



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 496 [ INDICATOR - -- @ 0 miles ]

Sample ID: 369106	Sample Dates: 1/6/2015 - 1/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-137	<1.04E+01	0.00E+00	1.04E+01
		La-140	<4.83E+04	0.00E+00	4.83E+04
		Ba-140	<7.22E+01	0.00E+00	7.22E+01
		Total-Gam	0.00E+00		
Sample ID: 369334	Sample Dates: 1/26/2015 - 1/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-3.7E+00	0.00E+00	2.44E+02
Sample ID: 369644	Sample Dates: 2/3/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<8.52E+01	0.00E+00	2.36E+02
Sample ID: 370546	Sample Dates: 2/11/2015 - 2/11/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<1.74E+01	0.00E+00	2.54E+02
Sample ID: 371517	Sample Dates: 2/18/2015 - 2/18/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-1.9E+02	0.00E+00	2.66E+02
Sample ID: 372700	Sample Dates: 2/3/2015 - 2/25/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<9.80E+00	0.00E+00	9.80E+00
		Co-58	<9.59E+00	0.00E+00	9.59E+00
		Fe-59	<1.99E+01	0.00E+00	1.99E+01
		Co-60	<7.68E+00	0.00E+00	7.68E+00
		Zn-65	<2.16E+01	0.00E+00	2.16E+01
		Zr-95	<1.82E+01	0.00E+00	1.82E+01
		Nb-95	<1.57E+01	0.00E+00	1.57E+01
		I-131	<6.49E+01	0.00E+00	6.49E+01
		Cs-134	<8.14E+00	0.00E+00	8.14E+00
		Cs-137	<7.83E+00	0.00E+00	7.83E+00
		La-140	<1.63E+05	0.00E+00	1.63E+05
		Ba-140	<1.34E+02	0.00E+00	1.34E+02
		Total-Gam	0.00E+00		
Sample ID: 372242	Sample Dates: 2/25/2015 - 2/25/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<1.76E+00	0.00E+00	2.42E+02
Sample ID: 372964	Sample Dates: 3/4/2015 - 3/4/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<5.25E+00	0.00E+00	2.45E+02
Sample ID: 373987	Sample Dates: 3/10/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<5.23E+01	0.00E+00	2.56E+02
Sample ID: 374723	Sample Dates: 3/18/2015 - 3/18/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-1.3E+02	0.00E+00	2.57E+02
Sample ID: 374874	Sample Dates: 3/24/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-1.2E+02	0.00E+00	2.62E+02
Sample ID: 375210	Sample Dates: 3/4/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<8.31E+00	0.00E+00	8.31E+00
		Co-58	<1.02E+01	0.00E+00	1.02E+01
		Fe-59	<1.83E+01	0.00E+00	1.83E+01
		Co-60	<3.42E+00	0.00E+00	3.42E+00
		Zn-65	<1.82E+01	0.00E+00	1.82E+01
		Zr-95	<1.57E+01	0.00E+00	1.57E+01
		Nb-95	<1.16E+01	0.00E+00	1.16E+01
		I-131	<2.54E+01	0.00E+00	2.54E+01
		Cs-134	<7.85E+00	0.00E+00	7.85E+00
		Cs-137	<8.45E+00	0.00E+00	8.45E+00
		La-140	<3.59E+03	0.00E+00	3.59E+03
		Ba-140	<6.89E+01	0.00E+00	6.89E+01
		Total-Gam	0.00E+00		
Sample ID: 375197	Sample Dates: 3/31/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<2.52E+01	0.00E+00	2.53E+02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 496 [ INDICATOR - -- @ 0 miles ]

Sample ID:	376608	Sample Dates:	4/7/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<7.43E+00	0.00E+00	2.52E+02
Sample ID:	377304	Sample Dates:	4/15/2015 - 4/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.46E+01	0.00E+00	2.47E+02
Sample ID:	378187	Sample Dates:	4/21/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.43E+02	0.00E+00	2.46E+02
Sample ID:	378789	Sample Dates:	4/7/2015 - 4/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<8.02E+00	0.00E+00	8.02E+00
				Co-58	<7.70E+00	0.00E+00	7.70E+00
				Fe-59	<1.76E+01	0.00E+00	1.76E+01
				Co-60	<6.85E+00	0.00E+00	6.85E+00
				Zn-65	<2.20E+01	0.00E+00	2.20E+01
				Zr-95	<2.11E+01	0.00E+00	2.11E+01
				Nb-95	<1.16E+01	0.00E+00	1.16E+01
				I-131	<4.38E+01	0.00E+00	4.38E+01
				Cs-134	<8.09E+00	0.00E+00	8.09E+00
				Cs-137	<8.45E+00	0.00E+00	8.45E+00
				La-140	<1.44E+04	0.00E+00	1.44E+04
				Ba-140	<7.70E+01	0.00E+00	7.70E+01
				Total-Gam	0.00E+00		
Sample ID:	378928	Sample Dates:	4/29/2015 - 4/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-3.2E+01	0.00E+00	2.57E+02
Sample ID:	379341	Sample Dates:	5/6/2015 - 5/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<9.90E+01	0.00E+00	2.53E+02
Sample ID:	379685	Sample Dates:	5/12/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<6.87E+01	0.00E+00	2.52E+02
Sample ID:	380587	Sample Dates:	5/19/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.30E+02	0.00E+00	2.48E+02
Sample ID:	380674	Sample Dates:	5/6/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<6.84E+00	0.00E+00	6.84E+00
				Co-58	<9.02E+00	0.00E+00	9.02E+00
				Fe-59	<2.36E+01	0.00E+00	2.36E+01
				Co-60	<7.66E+00	0.00E+00	7.66E+00
				Zn-65	<2.12E+01	0.00E+00	2.12E+01
				Zr-95	<1.56E+01	0.00E+00	1.56E+01
				Nb-95	<1.20E+01	0.00E+00	1.20E+01
				I-131	<3.65E+01	0.00E+00	3.65E+01
				Cs-134	<9.09E+00	0.00E+00	9.09E+00
				Cs-137	<1.06E+01	0.00E+00	1.06E+01
				La-140	<7.03E+03	0.00E+00	7.03E+03
				Ba-140	<6.87E+01	0.00E+00	6.87E+01
				Total-Gam	0.00E+00		
Sample ID:	380735	Sample Dates:	5/26/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.20E+02	0.00E+00	2.43E+02
Sample ID:	381071	Sample Dates:	6/2/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<5.17E+01	0.00E+00	2.46E+02
Sample ID:	381446	Sample Dates:	6/9/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.63E+00	0.00E+00	2.47E+02
Sample ID:	381762	Sample Dates:	6/16/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<4.45E+01	0.00E+00	2.45E+02
Sample ID:	381973	Sample Dates:	6/23/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-2.1E+01	0.00E+00	2.47E+02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 496 [ INDICATOR - -- @ 0 miles ]

Sample ID: 382354	Sample Dates: 6/2/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<7.95E+00	0.00E+00	7.95E+00
		Co-58	<8.70E+00	0.00E+00	8.70E+00
		Fe-59	<1.58E+01	0.00E+00	1.58E+01
		Co-60	<4.84E+00	0.00E+00	4.84E+00
		Zn-65	<1.60E+01	0.00E+00	1.60E+01
		Zr-95	<1.57E+01	0.00E+00	1.57E+01
		Nb-95	<1.35E+01	0.00E+00	1.35E+01
		I-131	<3.03E+01	0.00E+00	3.03E+01
		Cs-134	<8.48E+00	0.00E+00	8.48E+00
		Cs-137	<7.14E+00	0.00E+00	7.14E+00
		La-140	<3.32E+03	0.00E+00	3.32E+03
		Ba-140	<6.72E+01	0.00E+00	6.72E+01
		Total-Gam	0.00E+00		
Sample ID: 382528	Sample Dates: 6/30/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<1.63E+02	0.00E+00	2.42E+02
Sample ID: 383464	Sample Dates: 7/7/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<1.70E+01	0.00E+00	2.52E+02
Sample ID: 383948	Sample Dates: 7/14/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-2.3E+01	0.00E+00	2.56E+02
Sample ID: 384776	Sample Dates: 7/22/2015 - 7/22/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-1.9E+02	0.00E+00	2.68E+02
Sample ID: 384902	Sample Dates: 7/7/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<8.26E+00	0.00E+00	8.26E+00
		Co-58	<9.56E+00	0.00E+00	9.56E+00
		Fe-59	<1.63E+01	0.00E+00	1.63E+01
		Co-60	<6.84E+00	0.00E+00	6.84E+00
		Zn-65	<2.16E+01	0.00E+00	2.16E+01
		Zr-95	<1.58E+01	0.00E+00	1.58E+01
		Nb-95	<8.18E+00	0.00E+00	8.18E+00
		I-131	<2.54E+01	0.00E+00	2.54E+01
		Cs-134	<8.36E+00	0.00E+00	8.35E+00
		Cs-137	<1.06E+01	0.00E+00	1.06E+01
		La-140	<1.41E+03	0.00E+00	1.41E+03
		Ba-140	<6.65E+01	0.00E+00	6.65E+01
		Total-Gam	0.00E+00		
Sample ID: 384887	Sample Dates: 7/28/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<9.57E+01	0.00E+00	2.45E+02
Sample ID: 386037	Sample Dates: 8/4/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<5.25E+01	0.00E+00	2.59E+02
Sample ID: 386303	Sample Dates: 8/11/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<1.44E+01	0.00E+00	2.56E+02
Sample ID: 387258	Sample Dates: 8/18/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<7.92E+01	0.00E+00	2.53E+02
Sample ID: 388465	Sample Dates: 8/4/2015 - 8/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<6.38E+00	0.00E+00	6.38E+00
		Co-58	<8.53E+00	0.00E+00	8.53E+00
		Fe-59	<2.24E+01	0.00E+00	2.24E+01
		Co-60	<7.57E+00	0.00E+00	7.57E+00
		Zn-65	<1.83E+01	0.00E+00	1.83E+01
		Zr-95	<1.86E+01	0.00E+00	1.86E+01
		Nb-95	<1.10E+01	0.00E+00	1.10E+01
		I-131	<4.15E+01	0.00E+00	4.15E+01
		Cs-134	<6.94E+00	0.00E+00	6.94E+00
		Cs-137	<9.04E+00	0.00E+00	9.04E+00
		La-140	<1.10E+04	0.00E+00	1.10E+04



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 496 [ INDICATOR - -- @ 0 miles ]

Sample ID:	388465	Sample Dates:	8/4/2015 - 8/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				Ba-140	<6.35E+01	0.00E+00	6.35E+01
				Total-Gam	0.00E+00		
Sample ID:	388446	Sample Dates:	8/26/2015 - 8/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.03E+01	0.00E+00	2.52E+02
Sample ID:	389512	Sample Dates:	9/1/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<7.46E+01	0.00E+00	2.51E+02
Sample ID:	390138	Sample Dates:	9/9/2015 - 9/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<7.1E+01	0.00E+00	2.57E+02
Sample ID:	390870	Sample Dates:	9/15/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<5.53E+00	0.00E+00	2.57E+02
Sample ID:	392092	Sample Dates:	9/22/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.50E+02	0.00E+00	2.69E+02
Sample ID:	392607	Sample Dates:	9/1/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<7.30E+00	0.00E+00	7.30E+00
				Co-58	<1.12E+01	0.00E+00	1.12E+01
				Fe-59	<1.24E+01	0.00E+00	1.24E+01
				Co-60	<6.92E+00	0.00E+00	6.92E+00
				Zn-65	<2.22E+01	0.00E+00	2.22E+01
				Zr-95	<1.75E+01	0.00E+00	1.75E+01
				Nb-95	<1.23E+01	0.00E+00	1.23E+01
				I-131	<4.81E+01	0.00E+00	4.81E+01
				Cs-134	<6.96E+00	0.00E+00	6.96E+00
				Cs-137	<9.31E+00	0.00E+00	9.32E+00
				La-140	<5.47E+04	0.00E+00	5.47E+04
				Ba-140	<9.27E+01	0.00E+00	9.27E+01
				Total-Gam	0.00E+00		
Sample ID:	392581	Sample Dates:	9/29/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.03E+02	0.00E+00	2.49E+02
Sample ID:	394947	Sample Dates:	10/7/2015 - 10/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<5.5E+01	0.00E+00	2.55E+02
Sample ID:	395059	Sample Dates:	10/13/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<9.4E+01	0.00E+00	2.72E+02
Sample ID:	395213	Sample Dates:	10/20/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.41E+01	0.00E+00	2.70E+02
Sample ID:	395251	Sample Dates:	10/7/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<9.33E+00	0.00E+00	9.33E+00
				Co-58	<8.03E+00	0.00E+00	8.03E+00
				Fe-59	<1.49E+01	0.00E+00	1.49E+01
				Co-60	<8.39E+00	0.00E+00	8.39E+00
				Zn-65	<1.92E+01	0.00E+00	1.92E+01
				Zr-95	<1.85E+01	0.00E+00	1.85E+01
				Nb-95	<1.40E+01	0.00E+00	1.40E+01
				I-131	<3.53E+01	0.00E+00	3.53E+01
				Cs-134	<9.08E+00	0.00E+00	9.08E+00
				Cs-137	<9.04E+00	0.00E+00	9.03E+00
				La-140	<7.05E+03	0.00E+00	7.05E+03
				Ba-140	<6.47E+01	0.00E+00	6.47E+01
				Total-Gam	0.00E+00		
Sample ID:	395441	Sample Dates:	10/27/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.1E+02	0.00E+00	2.54E+02
Sample ID:	395811	Sample Dates:	11/3/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.84E+00	0.00E+00	2.52E+02



**BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)**

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

Sample Point 496 [ INDICATOR - -- @ 0 miles ]

Sample ID: 396084	Sample Dates: 11/11/2015 - 11/11/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<3.45E+01	0.00E+00	2.53E+02
Sample ID: 397554	Sample Dates: 11/17/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-4.8E+01	0.00E+00	2.53E+02
Sample ID: 397752	Sample Dates: 11/3/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<8.82E+00	0.00E+00	8.82E+00
		Co-58	<8.11E+00	0.00E+00	8.11E+00
		Fe-59	<2.34E+01	0.00E+00	2.34E+01
		Co-60	<5.95E+00	0.00E+00	5.95E+00
		Zn-65	<1.96E+01	0.00E+00	1.96E+01
		Zr-95	<1.65E+01	0.00E+00	1.65E+01
		Nb-95	<1.24E+01	0.00E+00	1.24E+01
		I-131	<6.74E+01	0.00E+00	6.74E+01
		Cs-134	<7.55E+00	0.00E+00	7.55E+00
		Cs-137	<8.15E+00	0.00E+00	8.15E+00
		La-140	<9.07E+04	0.00E+00	9.07E+04
		Ba-140	<1.05E+02	0.00E+00	1.05E+02
		Total-Gam	0.00E+00		
Sample ID: 397733	Sample Dates: 11/24/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-1.2E+02	0.00E+00	2.60E+02
Sample ID: 398106	Sample Dates: 12/1/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-1.2E+02	0.00E+00	2.63E+02
Sample ID: 398521	Sample Dates: 12/9/2015 - 12/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<1.44E+02	0.00E+00	2.53E+02
Sample ID: 399023	Sample Dates: 12/15/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-8.6E+01	0.00E+00	2.61E+02
Sample ID: 399089	Sample Dates: 12/23/2015 - 12/23/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<1.54E+02	0.00E+00	2.49E+02
Sample ID: 399073	Sample Dates: 12/1/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<5.89E+00	0.00E+00	5.89E+00
		Co-58	<9.60E+00	0.00E+00	9.60E+00
		Fe-59	<2.38E+01	0.00E+00	2.38E+01
		Co-60	<8.39E+00	0.00E+00	8.39E+00
		Zn-65	<2.11E+01	0.00E+00	2.11E+01
		Zr-95	<1.66E+01	0.00E+00	1.66E+01
		Nb-95	<1.39E+01	0.00E+00	1.39E+01
		I-131	<3.35E+01	0.00E+00	3.35E+01
		Cs-134	<7.86E+00	0.00E+00	7.86E+00
		Cs-137	<7.14E+00	0.00E+00	7.14E+00
		La-140	<2.91E+03	0.00E+00	2.91E+03
		Ba-140	<6.49E+01	0.00E+00	6.49E+01
		Total-Gam	0.00E+00		
Sample ID: 399147	Sample Dates: 12/29/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<9.62E+01	0.00E+00	2.58E+02

**Sample Point 497 [ INDICATOR - -- @ 0 miles ]**

Sample ID: 366910	Sample Dates: 1/6/2015 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-5.2E+01	0.00E+00	2.46E+02
Sample ID: 367337	Sample Dates: 1/13/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-5.2E+01	0.00E+00	2.56E+02
Sample ID: 368903	Sample Dates: 1/19/2015 - 1/19/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-1.1E+02	0.00E+00	2.60E+02





**BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)**

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

Sample Point 497 [ INDICATOR - -- @ 0 miles ]

Sample ID: 369107	Sample Dates: 1/6/2015 - 1/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<6.48E+00	0.00E+00	6.48E+00
		Co-58	<7.64E+00	0.00E+00	7.64E+00
		Fe-59	<1.68E+01	0.00E+00	1.67E+01
		Co-60	<5.37E+00	0.00E+00	5.37E+00
		Zn-65	<2.06E+01	0.00E+00	2.06E+01
		Zr-95	<1.84E+01	0.00E+00	1.84E+01
		Nb-95	<1.44E+01	0.00E+00	1.44E+01
		I-131	<6.57E+01	0.00E+00	6.57E+01
		Cs-134	<6.55E+00	0.00E+00	6.55E+00
		Cs-137	<8.46E+00	0.00E+00	8.46E+00
		La-140	<2.27E+05	0.00E+00	2.27E+05
		Ba-140	<1.31E+02	0.00E+00	1.31E+02
		Total-Gam	0.00E+00		
Sample ID: 369335	Sample Dates: 1/26/2015 - 1/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<1.31E+02	0.00E+00	2.43E+02
Sample ID: 369645	Sample Dates: 2/3/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<6.61E+01	0.00E+00	2.36E+02
Sample ID: 370547	Sample Dates: 2/11/2015 - 2/11/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<7.87E+01	0.00E+00	2.54E+02
Sample ID: 371518	Sample Dates: 2/18/2015 - 2/18/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-1.6E+02	0.00E+00	2.67E+02
Sample ID: 372701	Sample Dates: 2/3/2015 - 2/25/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<8.52E+00	0.00E+00	8.52E+00
		Co-58	<8.82E+00	0.00E+00	8.82E+00
		Fe-59	<2.04E+01	0.00E+00	2.04E+01
		Co-60	<9.09E+00	0.00E+00	9.09E+00
		Zn-65	<1.40E+01	0.00E+00	1.40E+01
		Zr-95	<1.54E+01	0.00E+00	1.54E+01
		Nb-95	<1.66E+01	0.00E+00	1.66E+01
		I-131	<8.08E+01	0.00E+00	8.08E+01
		Cs-134	<7.24E+00	0.00E+00	7.24E+00
		Cs-137	<9.04E+00	0.00E+00	9.04E+00
		La-140	<3.74E+05	0.00E+00	3.74E+05
		Ba-140	<1.37E+02	0.00E+00	1.37E+02
		Total-Gam	0.00E+00		
Sample ID: 372243	Sample Dates: 2/25/2015 - 2/25/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<9.45E+01	0.00E+00	2.41E+02
Sample ID: 372965	Sample Dates: 3/4/2015 - 3/4/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<5.08E+01	0.00E+00	2.45E+02
Sample ID: 373988	Sample Dates: 3/10/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<3.91E+01	0.00E+00	2.55E+02
Sample ID: 374724	Sample Dates: 3/18/2015 - 3/18/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-2.2E+02	0.00E+00	2.57E+02
Sample ID: 374875	Sample Dates: 3/24/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-9.8E+01	0.00E+00	2.62E+02
Sample ID: 375212	Sample Dates: 3/4/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<6.79E+00	0.00E+00	6.79E+00
		Co-58	<9.86E+00	0.00E+00	9.86E+00
		Fe-59	<2.43E+01	0.00E+00	2.43E+01
		Co-60	<9.27E+00	0.00E+00	9.27E+00
		Zn-65	<1.21E+01	0.00E+00	1.21E+01
		Zr-95	<1.75E+01	0.00E+00	1.75E+01
		Nb-95	<1.20E+01	0.00E+00	1.20E+01
		I-131	<2.66E+01	0.00E+00	2.66E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 497 [ INDICATOR - -- @ 0 miles ]

Sample ID: 375212	Sample Dates: 3/4/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-134	<6.49E+00	0.00E+00	6.49E+00
		Cs-137	<9.84E+00	0.00E+00	9.84E+00
		La-140	<3.21E+03	0.00E+00	3.21E+03
		Ba-140	<6.45E+01	0.00E+00	6.45E+01
		Total-Gam	0.00E+00		
Sample ID: 375198	Sample Dates: 3/31/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<8.38E+01	0.00E+00	2.50E+02
Sample ID: 376609	Sample Dates: 4/7/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<0.00E+00	0.00E+00	2.51E+02
Sample ID: 377305	Sample Dates: 4/15/2015 - 4/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<7.02E+00	0.00E+00	2.47E+02
Sample ID: 378188	Sample Dates: 4/21/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<2.03E+02	0.00E+00	2.46E+02
Sample ID: 378790	Sample Dates: 4/7/2015 - 4/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<8.38E+00	0.00E+00	8.38E+00
		Co-58	<9.04E+00	0.00E+00	9.04E+00
		Fe-59	<2.50E+01	0.00E+00	2.50E+01
		Co-60	<3.43E+00	0.00E+00	3.43E+00
		Zn-65	<1.73E+01	0.00E+00	1.73E+01
		Zr-95	<1.63E+01	0.00E+00	1.63E+01
		Nb-95	<1.35E+01	0.00E+00	1.35E+01
		I-131	<3.57E+01	0.00E+00	3.57E+01
		Cs-134	<8.90E+00	0.00E+00	8.90E+00
		Cs-137	<7.82E+00	0.00E+00	7.83E+00
		La-140	<1.69E+04	0.00E+00	1.69E+04
		Ba-140	<7.15E+01	0.00E+00	7.15E+01
		Total-Gam	0.00E+00		
Sample ID: 379084	Sample Dates: 4/29/2015 - 4/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<2.13E+02	0.00E+00	2.55E+02
Sample ID: 379342	Sample Dates: 5/6/2015 - 5/6/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-7.9E+01	0.00E+00	2.53E+02
Sample ID: 379686	Sample Dates: 5/12/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<8.69E+01	0.00E+00	2.53E+02
Sample ID: 380588	Sample Dates: 5/19/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<1.03E+02	0.00E+00	2.49E+02
Sample ID: 380675	Sample Dates: 5/6/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<7.64E+00	0.00E+00	7.65E+00
		Co-58	<9.81E+00	0.00E+00	9.82E+00
		Fe-59	<2.49E+01	0.00E+00	2.49E+01
		Co-60	<6.92E+00	0.00E+00	6.92E+00
		Zn-65	<1.93E+01	0.00E+00	1.93E+01
		Zr-95	<1.76E+01	0.00E+00	1.76E+01
		Nb-95	<1.24E+01	0.00E+00	1.24E+01
		I-131	<4.28E+01	0.00E+00	4.28E+01
		Cs-134	<7.42E+00	0.00E+00	7.42E+00
		Cs-137	<9.04E+00	0.00E+00	9.04E+00
		La-140	<1.78E+04	0.00E+00	1.78E+04
		Ba-140	<7.71E+01	0.00E+00	7.71E+01
		Total-Gam	0.00E+00		
Sample ID: 380736	Sample Dates: 5/26/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<4.40E+01	0.00E+00	2.42E+02
Sample ID: 381072	Sample Dates: 6/2/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<1.27E+02	0.00E+00	2.47E+02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 497 [ INDICATOR - -- @ 0 miles ]

Sample ID:	381447	Sample Dates:	6/9/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<4.12E+01	0.00E+00	2.44E+02
Sample ID:	381763	Sample Dates:	6/16/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-3.6E+01	0.00E+00	2.45E+02
Sample ID:	381974	Sample Dates:	6/23/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<5.69E+01	0.00E+00	2.47E+02
Sample ID:	382355	Sample Dates:	6/2/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<8.98E+00	0.00E+00	8.98E+00
				Co-58	<9.88E+00	0.00E+00	9.88E+00
				Fe-59	<1.84E+01	0.00E+00	1.84E+01
				Co-60	<1.08E+01	0.00E+00	1.08E+01
				Zn-65	<1.71E+01	0.00E+00	1.71E+01
				Zr-95	<1.70E+01	0.00E+00	1.70E+01
				Nb-95	<1.01E+01	0.00E+00	1.01E+01
				I-131	<3.35E+01	0.00E+00	3.35E+01
				Cs-134	<8.68E+00	0.00E+00	8.68E+00
				Cs-137	<6.39E+00	0.00E+00	6.39E+00
				La-140	<4.41E+03	0.00E+00	4.41E+03
				Ba-140	<6.17E+01	0.00E+00	6.17E+01
				Total-Gam	0.00E+00		
Sample ID:	382529	Sample Dates:	6/30/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<9.18E+01	0.00E+00	2.42E+02
Sample ID:	383465	Sample Dates:	7/7/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.11E+02	0.00E+00	2.52E+02
Sample ID:	383949	Sample Dates:	7/14/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.1E+01	0.00E+00	2.55E+02
Sample ID:	384777	Sample Dates:	7/22/2015 - 7/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.0E+02	0.00E+00	2.69E+02
Sample ID:	384903	Sample Dates:	7/7/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<7.90E+00	0.00E+00	7.91E+00
				Co-58	<7.23E+00	0.00E+00	7.23E+00
				Fe-59	<2.05E+01	0.00E+00	2.05E+01
				Co-60	<8.16E+00	0.00E+00	8.16E+00
				Zn-65	<2.17E+01	0.00E+00	2.17E+01
				Zr-95	<1.46E+01	0.00E+00	1.46E+01
				Nb-95	<1.02E+01	0.00E+00	1.02E+01
				I-131	<2.40E+01	0.00E+00	2.40E+01
				Cs-134	<6.47E+00	0.00E+00	6.47E+00
				Cs-137	<8.14E+00	0.00E+00	8.14E+00
				La-140	<1.03E+03	0.00E+00	1.03E+03
				Ba-140	<5.31E+01	0.00E+00	5.31E+01
				Total-Gam	0.00E+00		
Sample ID:	384888	Sample Dates:	7/28/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.09E+02	0.00E+00	2.46E+02
Sample ID:	386038	Sample Dates:	8/4/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.75E+01	0.00E+00	2.59E+02
Sample ID:	386304	Sample Dates:	8/11/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.0E+02	0.00E+00	2.57E+02
Sample ID:	387259	Sample Dates:	8/18/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.62E+01	0.00E+00	2.55E+02
Sample ID:	388466	Sample Dates:	8/4/2015 - 8/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.16E+01	0.00E+00	1.16E+01
				Co-58	<7.64E+00	0.00E+00	7.64E+00
				Fe-59	<2.43E+01	0.00E+00	2.43E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 497 [ INDICATOR - -- @ 0 miles ]

Sample ID: 388466	Sample Dates: 8/4/2015 - 8/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		Co-60	<8.18E+00	0.00E+00	8.18E+00
		Zn-65	<2.36E+01	0.00E+00	2.36E+01
		Zr-95	<1.40E+01	0.00E+00	1.40E+01
		Nb-95	<1.06E+01	0.00E+00	1.06E+01
		I-131	<4.04E+01	0.00E+00	4.04E+01
		Cs-134	<7.87E+00	0.00E+00	7.87E+00
		Cs-137	<7.49E+00	0.00E+00	7.49E+00
		La-140	<1.03E+04	0.00E+00	1.03E+04
		Ba-140	<7.56E+01	0.00E+00	7.56E+01
Sample ID: 388447	Sample Dates: 8/26/2015 - 8/26/2015	Total-Gam	0.00E+00		
		Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-3.3E+01	0.00E+00	2.52E+02
Sample ID: 389513	Sample Dates: 9/1/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<2.92E+01	0.00E+00	2.52E+02
Sample ID: 390139	Sample Dates: 9/9/2015 - 9/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-1.9E+02	0.00E+00	2.58E+02
Sample ID: 390871	Sample Dates: 9/15/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-7.5E+01	0.00E+00	2.56E+02
Sample ID: 392093	Sample Dates: 9/22/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<1.39E+02	0.00E+00	2.71E+02
Sample ID: 392609	Sample Dates: 9/1/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<7.30E+00	0.00E+00	7.30E+00
		Co-58	<8.87E+00	0.00E+00	8.87E+00
		Fe-59	<1.89E+01	0.00E+00	1.89E+01
		Co-60	<9.08E+00	0.00E+00	9.08E+00
		Zn-65	<2.54E+01	0.00E+00	2.54E+01
		Zr-95	<1.46E+01	0.00E+00	1.46E+01
		Nb-95	<1.19E+01	0.00E+00	1.19E+01
		I-131	<5.33E+01	0.00E+00	5.33E+01
Sample ID: 392584	Sample Dates: 9/29/2015 - 9/29/2015	Cs-134	<7.44E+00	0.00E+00	7.45E+00
		Cs-137	<8.75E+00	0.00E+00	8.75E+00
		La-140	<7.61E+04	0.00E+00	7.61E+04
		Ba-140	<6.43E+01	0.00E+00	6.43E+01
		Total-Gam	0.00E+00		
Sample ID: 394948	Sample Dates: 10/7/2015 - 10/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-7.9E+01	0.00E+00	2.50E+02
Sample ID: 395060	Sample Dates: 10/13/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<4.80E+01	0.00E+00	2.56E+02
Sample ID: 395214	Sample Dates: 10/20/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<2.02E+00	0.00E+00	2.73E+02
Sample ID: 395252	Sample Dates: 10/7/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-8.5E+01	0.00E+00	2.72E+02
		Mn-54	<8.38E+00	0.00E+00	8.38E+00
		Co-58	<9.83E+00	0.00E+00	9.83E+00
		Fe-59	<2.27E+01	0.00E+00	2.27E+01
		Co-60	<9.07E+00	0.00E+00	9.07E+00
		Zn-65	<2.03E+01	0.00E+00	2.03E+01
		Zr-95	<1.57E+01	0.00E+00	1.57E+01
		Nb-95	<8.23E+00	0.00E+00	8.23E+00
		I-131	<3.67E+01	0.00E+00	3.67E+01
		Cs-134	<6.69E+00	0.00E+00	6.69E+00
		Cs-137	<1.04E+01	0.00E+00	1.04E+01
		La-140	<1.76E+04	0.00E+00	1.76E+04



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 497 [ INDICATOR - -- @ 0 miles ]

Sample ID: 395252	Sample Dates: 10/7/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
		Ba-140	<7.98E+01	0.00E+00	7.98E+01
		Total-Gam	0.00E+00		
Sample ID: 395442	Sample Dates: 10/27/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-1.5E+01	0.00E+00	2.54E+02
Sample ID: 395812	Sample Dates: 11/3/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-1.8E+01	0.00E+00	2.52E+02
Sample ID: 396085	Sample Dates: 11/11/2015 - 11/11/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<5.47E+00	0.00E+00	2.54E+02
Sample ID: 397555	Sample Dates: 11/17/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<6.39E+01	0.00E+00	2.52E+02
Sample ID: 397753	Sample Dates: 11/3/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<6.47E+00	0.00E+00	6.47E+00
		Co-58	<9.08E+00	0.00E+00	9.08E+00
		Fe-59	<1.97E+01	0.00E+00	1.97E+01
		Co-60	<6.20E+00	0.00E+00	6.20E+00
		Zn-65	<1.96E+01	0.00E+00	1.96E+01
		Zr-95	<1.06E+01	0.00E+00	1.06E+01
		Nb-95	<1.38E+01	0.00E+00	1.38E+01
		I-131	<6.66E+01	0.00E+00	6.66E+01
		Cs-134	<7.07E+00	0.00E+00	7.07E+00
		Cs-137	<9.04E+00	0.00E+00	9.04E+00
		La-140	<1.55E+05	0.00E+00	1.55E+05
		Ba-140	<1.14E+02	0.00E+00	1.14E+02
		Total-Gam	0.00E+00		
Sample ID: 397734	Sample Dates: 11/24/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-1.3E+02	0.00E+00	2.59E+02
Sample ID: 398107	Sample Dates: 12/1/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<6.16E+01	0.00E+00	2.63E+02
Sample ID: 398522	Sample Dates: 12/9/2015 - 12/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<5.16E+01	0.00E+00	2.53E+02
Sample ID: 399024	Sample Dates: 12/15/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-1.3E+02	0.00E+00	2.62E+02
Sample ID: 399090	Sample Dates: 12/23/2015 - 12/23/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<8.24E+01	0.00E+00	2.51E+02
Sample ID: 399074	Sample Dates: 12/1/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<9.00E+00	0.00E+00	9.00E+00
		Co-58	<7.54E+00	0.00E+00	7.54E+00
		Fe-59	<2.19E+01	0.00E+00	2.19E+01
		Co-60	<4.84E+00	0.00E+00	4.84E+00
		Zn-65	<1.72E+01	0.00E+00	1.72E+01
		Zr-95	<1.72E+01	0.00E+00	1.72E+01
		Nb-95	<1.07E+01	0.00E+00	1.07E+01
		I-131	<3.22E+01	0.00E+00	3.22E+01
		Cs-134	<8.28E+00	0.00E+00	8.28E+00
		Cs-137	<9.58E+00	0.00E+00	9.58E+00
		La-140	<6.80E+03	0.00E+00	6.80E+03
		Ba-140	<5.96E+01	0.00E+00	5.96E+01
		Total-Gam	0.00E+00		
Sample ID: 399148	Sample Dates: 12/29/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<7.92E+01	0.00E+00	2.58E+02



**BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)**

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

Sample Point 498 [ INDICATOR -- @ 0 miles ]

Sample ID:	366911	Sample Dates:	1/6/2015 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.2E+02	0.00E+00	2.47E+02
Sample ID:	367338	Sample Dates:	1/13/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.76E+01	0.00E+00	2.55E+02
Sample ID:	368904	Sample Dates:	1/19/2015 - 1/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<6.7E+01	0.00E+00	2.61E+02
Sample ID:	369108	Sample Dates:	1/6/2015 - 1/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<8.84E+00	0.00E+00	8.84E+00
				Co-58	<8.67E+00	0.00E+00	8.67E+00
				Fe-59	<2.71E+01	0.00E+00	2.71E+01
				Co-60	<8.41E+00	0.00E+00	8.41E+00
				Zn-65	<2.33E+01	0.00E+00	2.33E+01
				Zr-95	<2.07E+01	0.00E+00	2.07E+01
				Nb-95	<1.35E+01	0.00E+00	1.35E+01
				I-131	<6.73E+01	0.00E+00	6.73E+01
				Cs-134	<7.70E+00	0.00E+00	7.70E+00
				Cs-137	<5.05E+00	0.00E+00	5.05E+00
				La-140	<1.79E+05	0.00E+00	1.79E+05
				Ba-140	<9.28E+01	0.00E+00	9.28E+01
				Total-Gam	0.00E+00		
Sample ID:	369337	Sample Dates:	1/26/2015 - 1/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.12E+02	0.00E+00	2.42E+02
Sample ID:	369646	Sample Dates:	2/3/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.06E+02	0.00E+00	2.37E+02
Sample ID:	370548	Sample Dates:	2/11/2015 - 2/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.05E+01	0.00E+00	2.54E+02
Sample ID:	371519	Sample Dates:	2/18/2015 - 2/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.2E+02	0.00E+00	2.65E+02
Sample ID:	372702	Sample Dates:	2/3/2015 - 2/25/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.04E+01	0.00E+00	1.04E+01
				Co-58	<9.33E+00	0.00E+00	9.33E+00
				Fe-59	<2.19E+01	0.00E+00	2.19E+01
				Co-60	<5.95E+00	0.00E+00	5.95E+00
				Zn-65	<2.26E+01	0.00E+00	2.26E+01
				Zr-95	<2.06E+01	0.00E+00	2.06E+01
				Nb-95	<1.46E+01	0.00E+00	1.46E+01
				I-131	<7.46E+01	0.00E+00	7.46E+01
				Cs-134	<8.15E+00	0.00E+00	8.15E+00
				Cs-137	<7.83E+00	0.00E+00	7.83E+00
				La-140	<4.86E+05	0.00E+00	4.86E+05
				Ba-140	<1.17E+02	0.00E+00	1.17E+02
				Total-Gam	0.00E+00		
Sample ID:	372244	Sample Dates:	2/25/2015 - 2/25/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.26E+02	0.00E+00	2.41E+02
Sample ID:	372966	Sample Dates:	3/4/2015 - 3/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.2E+01	0.00E+00	2.45E+02
Sample ID:	373990	Sample Dates:	3/10/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<7.3E+01	0.00E+00	2.56E+02
Sample ID:	374725	Sample Dates:	3/18/2015 - 3/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.9E+02	0.00E+00	2.57E+02
Sample ID:	374876	Sample Dates:	3/24/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.9E+01	0.00E+00	2.60E+02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 498 [ INDICATOR - - - @ 0 miles ]

Sample ID:	375213	Sample Dates:	3/4/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<9.90E+00	0.00E+00	9.90E+00
				Co-58	<6.98E+00	0.00E+00	6.98E+00
				Fe-59	<1.84E+01	0.00E+00	1.84E+01
				Co-60	<5.93E+00	0.00E+00	5.93E+00
				Zn-65	<1.71E+01	0.00E+00	1.71E+01
				Zr-95	<1.58E+01	0.00E+00	1.58E+01
				Nb-95	<1.09E+01	0.00E+00	1.09E+01
				I-131	<2.98E+01	0.00E+00	2.98E+01
				Cs-134	<8.88E+00	0.00E+00	8.88E+00
				Cs-137	<9.84E+00	0.00E+00	9.84E+00
				La-140	<4.29E+03	0.00E+00	4.29E+03
				Ba-140	<7.24E+01	0.00E+00	7.24E+01
				Total-Gam	0.00E+00		
Sample ID:	375199	Sample Dates:	3/31/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.91E+01	0.00E+00	2.50E+02
Sample ID:	376610	Sample Dates:	4/7/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-3.0E+01	0.00E+00	2.51E+02
Sample ID:	377306	Sample Dates:	4/15/2015 - 4/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<4.39E+01	0.00E+00	2.47E+02
Sample ID:	378775	Sample Dates:	4/21/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.47E+02	0.00E+00	2.47E+02
Sample ID:	378791	Sample Dates:	4/7/2015 - 4/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<8.47E+00	0.00E+00	8.47E+00
				Co-58	<7.00E+00	0.00E+00	7.00E+00
				Fe-59	<2.20E+01	0.00E+00	2.20E+01
				Co-60	<8.20E+00	0.00E+00	8.20E+00
				Zn-65	<2.40E+01	0.00E+00	2.40E+01
				Zr-95	<1.72E+01	0.00E+00	1.72E+01
				Nb-95	<1.37E+01	0.00E+00	1.37E+01
				I-131	<7.20E+01	0.00E+00	7.20E+01
				Cs-134	<7.55E+00	0.00E+00	7.55E+00
				Cs-137	<9.04E+00	0.00E+00	9.04E+00
				La-140	<9.66E+04	0.00E+00	9.66E+04
				Ba-140	<9.56E+01	0.00E+00	9.56E+01
				Total-Gam	0.00E+00		
Sample ID:	379085	Sample Dates:	4/29/2015 - 4/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.31E+02	0.00E+00	2.57E+02
Sample ID:	379343	Sample Dates:	5/6/2015 - 5/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<5.32E+01	0.00E+00	2.54E+02
Sample ID:	379687	Sample Dates:	5/12/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<4.43E+01	0.00E+00	2.53E+02
Sample ID:	380589	Sample Dates:	5/19/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<7.68E+01	0.00E+00	2.50E+02
Sample ID:	380676	Sample Dates:	5/6/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.05E+01	0.00E+00	1.05E+01
				Co-58	<9.04E+00	0.00E+00	9.04E+00
				Fe-59	<2.16E+01	0.00E+00	2.16E+01
				Co-60	<8.39E+00	0.00E+00	8.39E+00
				Zn-65	<1.73E+01	0.00E+00	1.73E+01
				Zr-95	<1.41E+01	0.00E+00	1.41E+01
				Nb-95	<1.39E+01	0.00E+00	1.39E+01
				I-131	<4.20E+01	0.00E+00	4.20E+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	<2.00E+04	0.00E+00	2.00E+04



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 498 [ INDICATOR - -- @ 0 miles ]

Sample ID: 380676	Sample Dates: 5/6/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		Ba-140	<6.71E+01	0.00E+00	6.71E+01
		Total-Gam	0.00E+00		
Sample ID: 380737	Sample Dates: 5/26/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<1.57E+02	0.00E+00	2.43E+02
Sample ID: 381073	Sample Dates: 6/2/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<1.43E+01	0.00E+00	2.46E+02
Sample ID: 381448	Sample Dates: 6/9/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<1.68E+02	0.00E+00	2.47E+02
Sample ID: 381764	Sample Dates: 6/16/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<2.50E+01	0.00E+00	2.46E+02
Sample ID: 381975	Sample Dates: 6/23/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-5.3E+00	0.00E+00	2.47E+02
Sample ID: 382356	Sample Dates: 6/2/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.00E+01	0.00E+00	1.00E+01
		Co-58	<1.04E+01	0.00E+00	1.04E+01
		Fe-59	<1.41E+01	0.00E+00	1.41E+01
		Co-60	<8.75E+00	0.00E+00	8.75E+00
		Zn-65	<2.13E+01	0.00E+00	2.13E+01
		Zr-95	<1.36E+01	0.00E+00	1.36E+01
		Nb-95	<1.02E+01	0.00E+00	1.02E+01
		I-131	<5.02E+01	0.00E+00	5.02E+01
		Cs-134	<6.52E+00	0.00E+00	6.52E+00
		Cs-137	<9.59E+00	0.00E+00	9.59E+00
		La-140	<5.02E+04	0.00E+00	5.02E+04
		Ba-140	<7.70E+01	0.00E+00	7.70E+01
Sample ID: 382530	Sample Dates: 6/30/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<1.09E+02	0.00E+00	2.41E+02
Sample ID: 383466	Sample Dates: 7/7/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-1.1E+01	0.00E+00	2.53E+02
Sample ID: 383950	Sample Dates: 7/14/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<2.65E+01	0.00E+00	2.55E+02
Sample ID: 384778	Sample Dates: 7/22/2015 - 7/22/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-7.1E+01	0.00E+00	2.69E+02
Sample ID: 384904	Sample Dates: 7/7/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<7.62E+00	0.00E+00	7.62E+00
		Co-58	<8.89E+00	0.00E+00	8.89E+00
		Fe-59	<1.88E+01	0.00E+00	1.88E+01
		Co-60	<7.66E+00	0.00E+00	7.66E+00
		Zn-65	<2.02E+01	0.00E+00	2.02E+01
		Zr-95	<1.91E+01	0.00E+00	1.91E+01
		Nb-95	<1.20E+01	0.00E+00	1.20E+01
		I-131	<3.42E+01	0.00E+00	3.42E+01
		Cs-134	<7.41E+00	0.00E+00	7.41E+00
		Cs-137	<8.75E+00	0.00E+00	8.75E+00
		La-140	<7.49E+03	0.00E+00	7.49E+03
		Ba-140	<6.89E+01	0.00E+00	6.89E+01
Sample ID: 384889	Sample Dates: 7/28/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<7.56E+01	0.00E+00	2.45E+02
Sample ID: 386039	Sample Dates: 8/4/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<1.63E+02	0.00E+00	2.59E+02





# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 498 [ INDICATOR - -- @ 0 miles ]

Sample ID: 386305	Sample Dates: 8/11/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-8.7E+01	0.00E+00	2.57E+02
Sample ID: 387260	Sample Dates: 8/18/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<1.12E+02	0.00E+00	2.54E+02
Sample ID: 388467	Sample Dates: 8/4/2015 - 8/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<7.35E+00	0.00E+00	7.35E+00
		Co-58	<5.77E+00	0.00E+00	5.77E+00
		Fe-59	<1.68E+01	0.00E+00	1.68E+01
		Co-60	<8.77E+00	0.00E+00	8.77E+00
		Zn-65	<1.65E+01	0.00E+00	1.65E+01
		Zr-95	<1.33E+01	0.00E+00	1.33E+01
		Nb-95	<9.23E+00	0.00E+00	9.23E+00
		I-131	<6.27E+01	0.00E+00	6.27E+01
		Cs-134	<8.14E+00	0.00E+00	8.14E+00
		Cs-137	<8.46E+00	0.00E+00	8.46E+00
		La-140	<1.73E+05	0.00E+00	1.73E+05
		Ba-140	<1.04E+02	0.00E+00	1.04E+02
		Total-Gam	0.00E+00		
Sample ID: 388448	Sample Dates: 8/26/2015 - 8/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<1.84E+00	0.00E+00	2.51E+02
Sample ID: 389514	Sample Dates: 9/1/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<1.07E+02	0.00E+00	2.51E+02
Sample ID: 390142	Sample Dates: 9/9/2015 - 9/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-1.3E+01	0.00E+00	2.58E+02
Sample ID: 390872	Sample Dates: 9/15/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<6.61E+01	0.00E+00	2.56E+02
Sample ID: 392094	Sample Dates: 9/22/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<5.28E+01	0.00E+00	2.69E+02
Sample ID: 392611	Sample Dates: 9/1/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<8.07E+00	0.00E+00	8.07E+00
		Co-58	<1.05E+01	0.00E+00	1.05E+01
		Fe-59	<1.76E+01	0.00E+00	1.76E+01
		Co-60	<9.29E+00	0.00E+00	9.29E+00
		Zn-65	<1.63E+01	0.00E+00	1.63E+01
		Zr-95	<1.82E+01	0.00E+00	1.82E+01
		Nb-95	<1.32E+01	0.00E+00	1.32E+01
		I-131	<5.75E+01	0.00E+00	5.75E+01
		Cs-134	<6.96E+00	0.00E+00	6.97E+00
		Cs-137	<8.45E+00	0.00E+00	8.45E+00
		La-140	<7.51E+04	0.00E+00	7.51E+04
		Ba-140	<8.91E+01	0.00E+00	8.91E+01
		Total-Gam	0.00E+00		
Sample ID: 392586	Sample Dates: 9/29/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<4.21E+01	0.00E+00	2.49E+02
Sample ID: 394949	Sample Dates: 10/7/2015 - 10/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-1.0E+02	0.00E+00	2.56E+02
Sample ID: 395061	Sample Dates: 10/13/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-7.9E+01	0.00E+00	2.73E+02
Sample ID: 395215	Sample Dates: 10/20/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-2.0E+01	0.00E+00	2.72E+02
Sample ID: 395253	Sample Dates: 10/7/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.03E+01	0.00E+00	1.03E+01
		Co-58	<7.22E+00	0.00E+00	7.22E+00
		Fe-59	<1.94E+01	0.00E+00	1.94E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 498 [ INDICATOR - -- @ 0 miles ]

Sample ID: 395253	Sample Dates: 10/7/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
		Co-60	<6.86E+00	0.00E+00	6.85E+00
		Zn-65	<1.94E+01	0.00E+00	1.94E+01
		Zr-95	<1.25E+01	0.00E+00	1.25E+01
		Nb-95	<1.32E+01	0.00E+00	1.32E+01
		I-131	<4.02E+01	0.00E+00	4.02E+01
		Cs-134	<7.88E+00	0.00E+00	7.88E+00
		Cs-137	<7.82E+00	0.00E+00	7.83E+00
		La-140	<1.41E+04	0.00E+00	1.41E+04
		Ba-140	<6.78E+01	0.00E+00	6.78E+01
Sample ID: 395443	Sample Dates: 10/27/2015 - 10/27/2015	Total-Gam	0.00E+00		
		Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-2.2E+01	0.00E+00	2.54E+02
Sample ID: 395813	Sample Dates: 11/3/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<6.82E+01	0.00E+00	2.53E+02
Sample ID: 396086	Sample Dates: 11/11/2015 - 11/11/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<0.00E+00	0.00E+00	2.55E+02
Sample ID: 397556	Sample Dates: 11/17/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<1.08E+02	0.00E+00	2.52E+02
Sample ID: 397754	Sample Dates: 11/3/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<7.74E+00	0.00E+00	7.74E+00
		Co-58	<1.11E+01	0.00E+00	1.11E+01
		Fe-59	<2.10E+01	0.00E+00	2.10E+01
		Co-60	<6.93E+00	0.00E+00	6.93E+00
		Zn-65	<2.48E+01	0.00E+00	2.48E+01
		Zr-95	<1.73E+01	0.00E+00	1.73E+01
		Nb-95	<1.09E+01	0.00E+00	1.09E+01
		I-131	<6.62E+01	0.00E+00	6.62E+01
Sample ID: 397735	Sample Dates: 11/24/2015 - 11/24/2015	Cs-134	<7.92E+00	0.00E+00	7.92E+00
		Cs-137	<7.50E+00	0.00E+00	7.49E+00
		La-140	<2.04E+05	0.00E+00	2.04E+05
		Ba-140	<9.32E+01	0.00E+00	9.32E+01
		Total-Gam	0.00E+00		
		Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-2.6E+01	0.00E+00	2.59E+02
Sample ID: 398108	Sample Dates: 12/1/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<1.86E+00	0.00E+00	2.62E+02
Sample ID: 398523	Sample Dates: 12/9/2015 - 12/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-1.1E+01	0.00E+00	2.53E+02
Sample ID: 399025	Sample Dates: 12/15/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-1.3E+02	0.00E+00	2.60E+02
Sample ID: 399091	Sample Dates: 12/23/2015 - 12/23/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<9.80E+01	0.00E+00	2.54E+02
Sample ID: 399075	Sample Dates: 12/1/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<8.68E+00	0.00E+00	8.68E+00
		Co-58	<9.99E+00	0.00E+00	9.99E+00
		Fe-59	<2.21E+01	0.00E+00	2.21E+01
		Co-60	<6.91E+00	0.00E+00	6.91E+00
		Zn-65	<1.49E+01	0.00E+00	1.49E+01
		Zr-95	<1.69E+01	0.00E+00	1.69E+01
		Nb-95	<9.88E+00	0.00E+00	9.88E+00
		I-131	<3.47E+01	0.00E+00	3.47E+01
		Cs-134	<9.45E+00	0.00E+00	9.45E+00
		Cs-137	<7.49E+00	0.00E+00	7.49E+00
		La-140	<9.11E+03	0.00E+00	9.11E+03



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 498 [ INDICATOR - -- @ 0 miles ]

Sample ID:	399075	Sample Dates:	12/1/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Ba-140	<7.44E+01	0.00E+00	7.44E+01
				Total-Gam	0.00E+00		

Sample ID:	399149	Sample Dates:	12/29/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<5.66E+00	0.00E+00	2.59E+02

Sample Point 499 [ CONTROL - -- @ 0 miles ]

Sample ID:	366912	Sample Dates:	1/6/2015 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-3.8E+01	0.00E+00	2.48E+02

Sample ID:	367339	Sample Dates:	1/13/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-2.5E+02	0.00E+00	2.55E+02

Sample ID:	368905	Sample Dates:	1/19/2015 - 1/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-2.2E+02	0.00E+00	2.60E+02

Sample ID:	369109	Sample Dates:	1/6/2015 - 1/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<7.35E+00	0.00E+00	7.35E+00
				Co-58	<7.08E+00	0.00E+00	7.08E+00
				Fe-59	<1.58E+01	0.00E+00	1.58E+01
				Co-60	<8.41E+00	0.00E+00	8.41E+00
				Zn-65	<1.87E+01	0.00E+00	1.87E+01
				Zr-95	<1.42E+01	0.00E+00	1.42E+01
				Nb-95	<1.68E+01	0.00E+00	1.68E+01
				I-131	<6.64E+01	0.00E+00	6.64E+01
				Cs-134	<8.95E+00	0.00E+00	8.95E+00
				Cs-137	<1.13E+01	0.00E+00	1.13E+01
				La-140	<2.38E+05	0.00E+00	2.38E+05
				Ba-140	<1.22E+02	0.00E+00	1.22E+02
				Total-Gam	0.00E+00		

Sample ID:	369338	Sample Dates:	1/26/2015 - 1/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.65E+02	0.00E+00	2.41E+02

Sample ID:	369647	Sample Dates:	2/3/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.14E+02	0.00E+00	2.36E+02

Sample ID:	370550	Sample Dates:	2/11/2015 - 2/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-9.8E+01	0.00E+00	2.54E+02

Sample ID:	371520	Sample Dates:	2/18/2015 - 2/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-2.2E+02	0.00E+00	2.65E+02

Sample ID:	372703	Sample Dates:	2/3/2015 - 2/25/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<9.27E+00	0.00E+00	9.27E+00
				Co-58	<8.02E+00	0.00E+00	8.02E+00
				Fe-59	<2.69E+01	0.00E+00	2.69E+01
				Co-60	<9.10E+00	0.00E+00	9.10E+00
				Zn-65	<2.09E+01	0.00E+00	2.09E+01
				Zr-95	<2.25E+01	0.00E+00	2.25E+01
				Nb-95	<1.49E+01	0.00E+00	1.49E+01
				I-131	<1.12E+02	0.00E+00	1.12E+02
				Cs-134	<9.56E+00	0.00E+00	9.56E+00
				Cs-137	<9.32E+00	0.00E+00	9.32E+00
				La-140	<1.55E+06	0.00E+00	1.55E+06
				Ba-140	<1.50E+02	0.00E+00	1.50E+02
				Total-Gam	0.00E+00		

Sample ID:	372245	Sample Dates:	2/25/2015 - 2/25/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.44E+01	0.00E+00	2.39E+02

Sample ID:	372967	Sample Dates:	3/4/2015 - 3/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.88E+01	0.00E+00	2.47E+02

**BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)**

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

Sample Point 499 [ CONTROL - -- @ 0 miles ]

Sample ID:	373991	Sample Dates:	3/10/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-7.3E+01	0.00E+00	2.56E+02
Sample ID:	374726	Sample Dates:	3/18/2015 - 3/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.8E+02	0.00E+00	2.57E+02
Sample ID:	374877	Sample Dates:	3/24/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-6.3E+01	0.00E+00	2.59E+02
Sample ID:	375214	Sample Dates:	3/4/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<8.41E+00	0.00E+00	8.41E+00
				Co-58	<9.98E+00	0.00E+00	9.98E+00
				Fe-59	<2.43E+01	0.00E+00	2.43E+01
				Co-60	<7.67E+00	0.00E+00	7.67E+00
				Zn-65	<2.38E+01	0.00E+00	2.38E+01
				Zr-95	<1.66E+01	0.00E+00	1.66E+01
				Nb-95	<1.40E+01	0.00E+00	1.40E+01
				I-131	<4.95E+01	0.00E+00	4.95E+01
				Cs-134	<8.10E+00	0.00E+00	8.10E+00
				Cs-137	<9.85E+00	0.00E+00	9.85E+00
				La-140	<3.27E+04	0.00E+00	3.27E+04
				Ba-140	<9.26E+01	0.00E+00	9.26E+01
				Total-Gam	0.00E+00		
Sample ID:	375200	Sample Dates:	3/31/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.6E+01	0.00E+00	2.49E+02
Sample ID:	376611	Sample Dates:	4/7/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-9.3E+00	0.00E+00	2.51E+02
Sample ID:	377307	Sample Dates:	4/15/2015 - 4/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.1E+02	0.00E+00	2.47E+02
Sample ID:	378777	Sample Dates:	4/21/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.09E+02	0.00E+00	2.46E+02
Sample ID:	379086	Sample Dates:	4/29/2015 - 4/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.80E+02	0.00E+00	2.57E+02
Sample ID:	378792	Sample Dates:	4/7/2015 - 4/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<9.70E+00	0.00E+00	9.70E+00
				Co-58	<9.13E+00	0.00E+00	9.13E+00
				Fe-59	<1.39E+01	0.00E+00	1.39E+01
				Co-60	<8.19E+00	0.00E+00	8.19E+00
				Zn-65	<2.21E+01	0.00E+00	2.21E+01
				Zr-95	<1.26E+01	0.00E+00	1.26E+01
				Nb-95	<1.19E+01	0.00E+00	1.19E+01
				I-131	<4.13E+01	0.00E+00	4.13E+01
				Cs-134	<7.52E+00	0.00E+00	7.53E+00
				Cs-137	<9.04E+00	0.00E+00	9.04E+00
				La-140	<3.30E+04	0.00E+00	3.30E+04
				Ba-140	<7.11E+01	0.00E+00	7.11E+01
				Total-Gam	0.00E+00		
Sample ID:	379344	Sample Dates:	5/6/2015 - 5/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-9.5E+01	0.00E+00	2.53E+02
Sample ID:	379688	Sample Dates:	5/12/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.4E+02	0.00E+00	2.52E+02
Sample ID:	380590	Sample Dates:	5/19/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.77E+02	0.00E+00	2.48E+02
Sample ID:	380677	Sample Dates:	5/6/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<8.04E+00	0.00E+00	8.04E+00
				Co-58	<9.53E+00	0.00E+00	9.53E+00
				Fe-59	<2.40E+01	0.00E+00	2.40E+01



**BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)**

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

Sample Point 499 [ CONTROL - -- @ 0 miles ]

Sample ID: 380677	Sample Dates: 5/6/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		Co-60	<9.07E+00	0.00E+00	9.07E+00
		Zn-65	<2.03E+01	0.00E+00	2.03E+01
		Zr-95	<1.74E+01	0.00E+00	1.74E+01
		Nb-95	<1.14E+01	0.00E+00	1.14E+01
		I-131	<3.88E+01	0.00E+00	3.88E+01
		Cs-134	<9.29E+00	0.00E+00	9.29E+00
		Cs-137	<9.31E+00	0.00E+00	9.31E+00
		La-140	<2.76E+04	0.00E+00	2.76E+04
		Ba-140	<8.37E+01	0.00E+00	8.37E+01
Sample ID: 380738	Sample Dates: 5/26/2015 - 5/26/2015	Total-Gam	0.00E+00		
		Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-3.7E+01	0.00E+00	2.42E+02
Sample ID: 381074	Sample Dates: 6/2/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<2.31E+01	0.00E+00	2.45E+02
Sample ID: 381449	Sample Dates: 6/9/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-3.6E+01	0.00E+00	2.47E+02
Sample ID: 381765	Sample Dates: 6/16/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<1.96E+01	0.00E+00	2.45E+02
Sample ID: 381976	Sample Dates: 6/23/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-3.9E+01	0.00E+00	2.47E+02
Sample ID: 382357	Sample Dates: 6/2/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<8.66E+00	0.00E+00	8.66E+00
		Co-58	<1.02E+01	0.00E+00	1.02E+01
		Fe-59	<2.26E+01	0.00E+00	2.26E+01
		Co-60	<7.66E+00	0.00E+00	7.65E+00
		Zn-65	<1.92E+01	0.00E+00	1.92E+01
		Zr-95	<1.76E+01	0.00E+00	1.76E+01
		Nb-95	<9.69E+00	0.00E+00	9.69E+00
		I-131	<3.41E+01	0.00E+00	3.41E+01
Sample ID: 382531	Sample Dates: 6/30/2015 - 6/30/2015	Cs-134	<8.38E+00	0.00E+00	8.38E+00
		Cs-137	<9.03E+00	0.00E+00	9.03E+00
		La-140	<5.26E+03	0.00E+00	5.26E+03
		Ba-140	<6.06E+01	0.00E+00	6.06E+01
		Total-Gam	0.00E+00		
Sample ID: 383467	Sample Dates: 7/7/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<2.45E+01	0.00E+00	2.53E+02
Sample ID: 383951	Sample Dates: 7/14/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-4.1E+01	0.00E+00	2.52E+02
Sample ID: 384779	Sample Dates: 7/22/2015 - 7/22/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<5.31E+01	0.00E+00	2.56E+02
Sample ID: 384905	Sample Dates: 7/7/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-1.8E+02	0.00E+00	2.71E+02
		Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<8.61E+00	0.00E+00	8.61E+00
		Co-58	<8.95E+00	0.00E+00	8.95E+00
		Fe-59	<1.99E+01	0.00E+00	1.99E+01
		Co-60	<1.03E+01	0.00E+00	1.03E+01
		Zn-65	<2.17E+01	0.00E+00	2.17E+01
		Zr-95	<1.72E+01	0.00E+00	1.72E+01
		Nb-95	<1.04E+01	0.00E+00	1.04E+01
		I-131	<2.62E+01	0.00E+00	2.62E+01
		Cs-134	<8.26E+00	0.00E+00	8.26E+00
		Cs-137	<9.31E+00	0.00E+00	9.31E+00
		La-140	<1.92E+03	0.00E+00	1.92E+03



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 499 [ CONTROL - -- @ 0 miles ]

Sample ID:	384905	Sample Dates:	7/7/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				Ba-140	<4.46E+01	0.00E+00	4.46E+01
				Total-Gam	0.00E+00		
Sample ID:	384890	Sample Dates:	7/28/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<5.58E+01	0.00E+00	2.45E+02
Sample ID:	386040	Sample Dates:	8/4/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<6.97E+01	0.00E+00	2.58E+02
Sample ID:	386306	Sample Dates:	8/11/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-8.5E+01	0.00E+00	2.57E+02
Sample ID:	387261	Sample Dates:	8/18/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-4.5E+01	0.00E+00	2.55E+02
Sample ID:	388468	Sample Dates:	8/4/2015 - 8/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<9.80E+00	0.00E+00	9.80E+00
				Co-58	<4.09E+00	0.00E+00	4.09E+00
				Fe-59	<1.84E+01	0.00E+00	1.84E+01
				Co-60	<7.68E+00	0.00E+00	7.68E+00
				Zn-65	<1.97E+01	0.00E+00	1.97E+01
				Zr-95	<2.13E+01	0.00E+00	2.13E+01
				Nb-95	<1.85E+01	0.00E+00	1.85E+01
				I-131	<6.42E+01	0.00E+00	6.42E+01
				Cs-134	<1.02E+01	0.00E+00	1.02E+01
				Cs-137	<9.32E+00	0.00E+00	9.32E+00
				La-140	<2.69E+05	0.00E+00	2.69E+05
				Ba-140	<9.59E+01	0.00E+00	9.59E+01
				Total-Gam	0.00E+00		
Sample ID:	388449	Sample Dates:	8/26/2015 - 8/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.66E+01	0.00E+00	2.50E+02
Sample ID:	389515	Sample Dates:	9/1/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.55E+01	0.00E+00	2.51E+02
Sample ID:	390143	Sample Dates:	9/9/2015 - 9/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.2E+02	0.00E+00	2.54E+02
Sample ID:	390873	Sample Dates:	9/15/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-6.4E+01	0.00E+00	2.54E+02
Sample ID:	392095	Sample Dates:	9/22/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-4.9E+01	0.00E+00	2.69E+02
Sample ID:	392615	Sample Dates:	9/1/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<8.09E+00	0.00E+00	8.09E+00
				Co-58	<9.37E+00	0.00E+00	9.37E+00
				Fe-59	<2.64E+01	0.00E+00	2.64E+01
				Co-60	<8.19E+00	0.00E+00	8.19E+00
				Zn-65	<2.31E+01	0.00E+00	2.31E+01
				Zr-95	<1.63E+01	0.00E+00	1.63E+01
				Nb-95	<1.29E+01	0.00E+00	1.29E+01
				I-131	<5.67E+01	0.00E+00	5.67E+01
				Cs-134	<7.54E+00	0.00E+00	7.54E+00
				Cs-137	<8.15E+00	0.00E+00	8.15E+00
				La-140	<1.03E+05	0.00E+00	1.03E+05
				Ba-140	<9.91E+01	0.00E+00	9.91E+01
				Total-Gam	0.00E+00		
Sample ID:	392590	Sample Dates:	9/29/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.64E+01	0.00E+00	2.48E+02
Sample ID:	394950	Sample Dates:	10/7/2015 - 10/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.5E+01	0.00E+00	2.56E+02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 499 [ CONTROL - -- @ 0 miles ]

Sample ID:	395062	Sample Dates:	10/13/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.0E+02	0.00E+00	2.74E+02
Sample ID:	395216	Sample Dates:	10/20/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.8E+02	0.00E+00	2.72E+02
Sample ID:	395254	Sample Dates:	10/7/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<7.66E+00	0.00E+00	7.66E+00
				Co-58	<1.06E+01	0.00E+00	1.06E+01
				Fe-59	<2.07E+01	0.00E+00	2.07E+01
				Co-60	<9.70E+00	0.00E+00	9.70E+00
				Zn-65	<2.21E+01	0.00E+00	2.21E+01
				Zr-95	<1.84E+01	0.00E+00	1.84E+01
				Nb-95	<1.48E+01	0.00E+00	1.48E+01
				I-131	<4.15E+01	0.00E+00	4.15E+01
				Cs-134	<8.10E+00	0.00E+00	8.10E+00
				Cs-137	<9.04E+00	0.00E+00	9.04E+00
				La-140	<1.45E+04	0.00E+00	1.45E+04
				Ba-140	<7.44E+01	0.00E+00	7.44E+01
				Total-Gam	0.00E+00		
Sample ID:	395444	Sample Dates:	10/27/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.2E+02	0.00E+00	2.54E+02
Sample ID:	395814	Sample Dates:	11/3/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.59E+01	0.00E+00	2.54E+02
Sample ID:	396087	Sample Dates:	11/11/2015 - 11/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.5E+02	0.00E+00	2.55E+02
Sample ID:	397557	Sample Dates:	11/17/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<7.28E+01	0.00E+00	2.51E+02
Sample ID:	397755	Sample Dates:	11/3/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<7.74E+00	0.00E+00	7.74E+00
				Co-58	<9.96E+00	0.00E+00	9.96E+00
				Fe-59	<2.35E+01	0.00E+00	2.35E+01
				Co-60	<9.30E+00	0.00E+00	9.30E+00
				Zn-65	<2.06E+01	0.00E+00	2.06E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.43E+01	0.00E+00	1.43E+01
				I-131	<6.45E+01	0.00E+00	6.45E+01
				Cs-134	<8.34E+00	0.00E+00	8.34E+00
				Cs-137	<8.75E+00	0.00E+00	8.75E+00
				La-140	<1.46E+05	0.00E+00	1.46E+05
				Ba-140	<9.62E+01	0.00E+00	9.62E+01
				Total-Gam	0.00E+00		
Sample ID:	397736	Sample Dates:	11/24/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-3.3E+01	0.00E+00	2.58E+02
Sample ID:	398109	Sample Dates:	12/1/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.1E+02	0.00E+00	2.61E+02
Sample ID:	398524	Sample Dates:	12/9/2015 - 12/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.48E+01	0.00E+00	2.53E+02
Sample ID:	399026	Sample Dates:	12/15/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.4E+02	0.00E+00	2.60E+02
Sample ID:	399092	Sample Dates:	12/23/2015 - 12/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<5.34E+01	0.00E+00	2.53E+02
Sample ID:	399076	Sample Dates:	12/1/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<6.88E+00	0.00E+00	6.88E+00
				Co-58	<9.68E+00	0.00E+00	9.68E+00
				Fe-59	<2.57E+01	0.00E+00	2.57E+01



**BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)**

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

Sample Point 499 [ CONTROL - -- @ 0 miles ]

Sample ID: 399076	Sample Dates: 12/1/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		Co-60	<6.19E+00	0.00E+00	6.19E+00
		Zn-65	<1.74E+01	0.00E+00	1.74E+01
		Zr-95	<1.75E+01	0.00E+00	1.75E+01
		Nb-95	<1.57E+01	0.00E+00	1.57E+01
		I-131	<5.02E+01	0.00E+00	5.02E+01
		Cs-134	<6.53E+00	0.00E+00	6.53E+00
		Cs-137	<9.85E+00	0.00E+00	9.85E+00
		La-140	<6.20E+04	0.00E+00	6.20E+04
		Ba-140	<9.97E+01	0.00E+00	9.97E+01
		Total-Gam	0.00E+00		

Sample ID: 399150	Sample Dates: 12/29/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<-2.1E+01	0.00E+00	2.59E+02

Sample Point 604 [ INDICATOR - -- @ 0 miles ]

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Sample ID: 366960	Sample Dates: 1/6/2015 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	7.09E+02	1.57E+02	2.46E+02
Sample ID: 367411	Sample Dates: 1/13/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	2.02E+03	1.83E+02	2.51E+02
Sample ID: 369103	Sample Dates: 1/19/2015 - 1/19/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	4.48E+02	1.56E+02	2.51E+02
Sample ID: 369346	Sample Dates: 1/26/2015 - 1/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	1.70E+03	1.75E+02	2.48E+02
Sample ID: 369913	Sample Dates: 2/3/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	5.29E+02	1.50E+02	2.38E+02
Sample ID: 370706	Sample Dates: 2/11/2015 - 2/11/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	7.48E+02	1.61E+02	2.50E+02
Sample ID: 371705	Sample Dates: 2/18/2015 - 2/18/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	3.25E+03	2.04E+02	2.61E+02
Sample ID: 372252	Sample Dates: 2/25/2015 - 2/25/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	1.62E+03	1.71E+02	2.41E+02
Sample ID: 372974	Sample Dates: 3/4/2015 - 3/4/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	5.44E+03	2.31E+02	2.47E+02
Sample ID: 373998	Sample Dates: 3/10/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	8.53E+02	1.58E+02	2.42E+02
Sample ID: 374733	Sample Dates: 3/18/2015 - 3/18/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<8.05E+01	0.00E+00	2.50E+02
Sample ID: 374884	Sample Dates: 3/24/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	3.51E+02	1.51E+02	2.47E+02
Sample ID: 375207	Sample Dates: 3/31/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	1.11E+03	1.71E+02	2.56E+02
Sample ID: 376937	Sample Dates: 4/7/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	3.50E+02	1.50E+02	2.45E+02
Sample ID: 377582	Sample Dates: 4/15/2015 - 4/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	1.10E+03	1.68E+02	2.53E+02
Sample ID: 378785	Sample Dates: 4/21/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	3.19E+02	1.49E+02	2.43E+02
Sample ID: 379094	Sample Dates: 4/29/2015 - 4/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		H3SW	<1.79E+02	0.00E+00	2.54E+02

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**BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)**

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

Sample Point 604 [ INDICATOR - -- @ 0 miles ]

Sample ID:	379351	Sample Dates:	5/6/2015 - 5/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	4.37E+02	1.54E+02	2.48E+02
Sample ID:	379712	Sample Dates:	5/12/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	1.13E+03	1.68E+02	2.52E+02
Sample ID:	380634	Sample Dates:	5/19/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	4.60E+02	1.52E+02	2.44E+02
Sample ID:	380753	Sample Dates:	5/26/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	2.30E+03	1.84E+02	2.46E+02
Sample ID:	381081	Sample Dates:	6/2/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	1.28E+03	1.68E+02	2.48E+02
Sample ID:	381511	Sample Dates:	6/9/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	1.00E+03	1.64E+02	2.48E+02
Sample ID:	381967	Sample Dates:	6/16/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.98E+02	0.00E+00	2.54E+02
Sample ID:	382069	Sample Dates:	6/23/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	2.53E+02	1.46E+02	2.40E+02
Sample ID:	382829	Sample Dates:	6/30/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	2.63E+02	1.53E+02	2.52E+02
Sample ID:	383474	Sample Dates:	7/7/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.57E+02	0.00E+00	2.48E+02
Sample ID:	383957	Sample Dates:	7/14/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-5.1E+01	0.00E+00	2.63E+02
Sample ID:	384786	Sample Dates:	7/22/2015 - 7/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-5.8E+01	0.00E+00	2.70E+02
Sample ID:	384897	Sample Dates:	7/28/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.00E+02	0.00E+00	2.55E+02
Sample ID:	386047	Sample Dates:	8/4/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<8.90E+01	0.00E+00	2.65E+02
Sample ID:	386313	Sample Dates:	8/11/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	6.96E+02	1.59E+02	2.48E+02
Sample ID:	387330	Sample Dates:	8/18/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.70E+02	0.00E+00	2.47E+02
Sample ID:	388457	Sample Dates:	8/26/2015 - 8/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<8.91E+01	0.00E+00	2.55E+02
Sample ID:	389716	Sample Dates:	9/1/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-6.5E+01	0.00E+00	2.60E+02
Sample ID:	390739	Sample Dates:	9/9/2015 - 9/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-7.2E+01	0.00E+00	2.77E+02
Sample ID:	390880	Sample Dates:	9/15/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<8.55E+01	0.00E+00	2.57E+02
Sample ID:	392728	Sample Dates:	9/22/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.59E+02	0.00E+00	2.55E+02
Sample ID:	393188	Sample Dates:	9/29/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.20E+02	0.00E+00	2.54E+02
Sample ID:	394957	Sample Dates:	10/7/2015 - 10/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	1.26E+03	1.72E+02	2.54E+02



## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 604 [ INDICATOR - -- @ 0 miles ]

Sample ID:	395069	Sample Dates:	10/13/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.54E+02	0.00E+00	2.61E+02
Sample ID:	395248	Sample Dates:	10/20/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.95E+02	0.00E+00	2.53E+02
Sample ID:	395451	Sample Dates:	10/27/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	3.57E+02	1.55E+02	2.53E+02
Sample ID:	395847	Sample Dates:	11/3/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	4.99E+02	1.57E+02	2.52E+02
Sample ID:	396241	Sample Dates:	11/11/2015 - 11/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	6.35E+02	1.63E+02	2.57E+02
Sample ID:	397566	Sample Dates:	11/17/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.47E+02	0.00E+00	2.57E+02
Sample ID:	397743	Sample Dates:	11/24/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	4.00E+02	1.51E+02	2.43E+02
Sample ID:	398116	Sample Dates:	12/1/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	4.63E+02	1.58E+02	2.55E+02
Sample ID:	398605	Sample Dates:	12/9/2015 - 12/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	5.22E+02	1.58E+02	2.52E+02
Sample ID:	399033	Sample Dates:	12/15/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	4.01E+02	1.65E+02	2.67E+02
Sample ID:	399099	Sample Dates:	12/23/2015 - 12/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	5.24E+02	1.59E+02	2.53E+02
Sample ID:	399405	Sample Dates:	12/29/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	1.39E+03	1.76E+02	2.57E+02

Sample Point 605 [ INDICATOR - -- @ 0 miles ]

Sample ID:	366954	Sample Dates:	1/6/2015 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-8.5E+01	0.00E+00	2.46E+02
Sample ID:	367340	Sample Dates:	1/13/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.5E+02	0.00E+00	2.54E+02
Sample ID:	369097	Sample Dates:	1/19/2015 - 1/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.7E+02	0.00E+00	2.52E+02
Sample ID:	369339	Sample Dates:	1/26/2015 - 1/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.35E+02	0.00E+00	2.41E+02
Sample ID:	369907	Sample Dates:	2/3/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	2.50E+02	1.44E+02	2.38E+02
Sample ID:	370698	Sample Dates:	2/11/2015 - 2/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.01E+02	0.00E+00	2.50E+02
Sample ID:	371693	Sample Dates:	2/18/2015 - 2/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.4E+02	0.00E+00	2.62E+02
Sample ID:	372246	Sample Dates:	2/25/2015 - 2/25/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.75E+02	0.00E+00	2.41E+02
Sample ID:	372968	Sample Dates:	3/4/2015 - 3/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-2.5E+01	0.00E+00	2.45E+02
Sample ID:	373992	Sample Dates:	3/10/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.9E+01	0.00E+00	2.56E+02

## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 605 [ INDICATOR - -- @ 0 miles ]

Sample ID:	374727	Sample Dates:	3/18/2015 - 3/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.3E+02	0.00E+00	2.57E+02
Sample ID:	374878	Sample Dates:	3/24/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.62E+01	0.00E+00	2.47E+02
Sample ID:	375201	Sample Dates:	3/31/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<6.16E+01	0.00E+00	2.47E+02
Sample ID:	376931	Sample Dates:	4/7/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<6.15E+01	0.00E+00	2.44E+02
Sample ID:	377314	Sample Dates:	4/15/2015 - 4/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.1E+02	0.00E+00	2.54E+02
Sample ID:	378778	Sample Dates:	4/21/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<4.81E+01	0.00E+00	2.45E+02
Sample ID:	379087	Sample Dates:	4/29/2015 - 4/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.12E+02	0.00E+00	2.58E+02
Sample ID:	379345	Sample Dates:	5/6/2015 - 5/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.31E+01	0.00E+00	2.49E+02
Sample ID:	379689	Sample Dates:	5/12/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.72E+01	0.00E+00	2.53E+02
Sample ID:	380591	Sample Dates:	5/19/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.31E+01	0.00E+00	2.49E+02
Sample ID:	380739	Sample Dates:	5/26/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.61E+02	0.00E+00	2.43E+02
Sample ID:	381075	Sample Dates:	6/2/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.84E+01	0.00E+00	2.48E+02
Sample ID:	381505	Sample Dates:	6/9/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<9.96E+01	0.00E+00	2.48E+02
Sample ID:	381960	Sample Dates:	6/16/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.8E+02	0.00E+00	2.46E+02
Sample ID:	382063	Sample Dates:	6/23/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.03E+02	0.00E+00	2.41E+02
Sample ID:	382823	Sample Dates:	6/30/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<8.64E+01	0.00E+00	2.52E+02
Sample ID:	383468	Sample Dates:	7/7/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<8.32E+01	0.00E+00	2.53E+02
Sample ID:	383952	Sample Dates:	7/14/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-2.3E+01	0.00E+00	2.63E+02
Sample ID:	384780	Sample Dates:	7/22/2015 - 7/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.4E+02	0.00E+00	2.72E+02
Sample ID:	384891	Sample Dates:	7/28/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.55E+02	0.00E+00	2.45E+02
Sample ID:	386041	Sample Dates:	8/4/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.05E+02	0.00E+00	2.57E+02
Sample ID:	386307	Sample Dates:	8/11/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.25E+01	0.00E+00	2.56E+02
Sample ID:	387324	Sample Dates:	8/18/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.82E+02	0.00E+00	2.47E+02



**BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)**

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

Sample Point 605 [ INDICATOR - -- @ 0 miles ]

Sample ID:	388450	Sample Dates:	8/26/2015 - 8/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<4.18E+01	0.00E+00	2.55E+02
Sample ID:	389516	Sample Dates:	9/1/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-2.8E+01	0.00E+00	2.54E+02
Sample ID:	390521	Sample Dates:	9/9/2015 - 9/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-6.2E+01	0.00E+00	2.71E+02
Sample ID:	390874	Sample Dates:	9/15/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.23E+01	0.00E+00	2.54E+02
Sample ID:	392103	Sample Dates:	9/22/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<4.51E+01	0.00E+00	2.72E+02
Sample ID:	393182	Sample Dates:	9/29/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.56E+01	0.00E+00	2.54E+02
Sample ID:	394951	Sample Dates:	10/7/2015 - 10/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<9.04E+01	0.00E+00	2.56E+02
Sample ID:	395063	Sample Dates:	10/13/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.22E+02	0.00E+00	2.60E+02
Sample ID:	395242	Sample Dates:	10/20/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.95E+02	0.00E+00	2.61E+02
Sample ID:	395445	Sample Dates:	10/27/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.15E+01	0.00E+00	2.56E+02
Sample ID:	395815	Sample Dates:	11/3/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-3.3E+01	0.00E+00	2.55E+02
Sample ID:	396235	Sample Dates:	11/11/2015 - 11/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.5E+01	0.00E+00	2.56E+02
Sample ID:	397558	Sample Dates:	11/17/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.66E+02	0.00E+00	2.51E+02
Sample ID:	397737	Sample Dates:	11/24/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-8.8E+01	0.00E+00	2.59E+02
Sample ID:	398110	Sample Dates:	12/1/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.42E+02	0.00E+00	2.55E+02
Sample ID:	398599	Sample Dates:	12/9/2015 - 12/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.51E+02	0.00E+00	2.53E+02
Sample ID:	399027	Sample Dates:	12/15/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-5.4E+01	0.00E+00	2.60E+02
Sample ID:	399093	Sample Dates:	12/23/2015 - 12/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.61E+02	0.00E+00	2.38E+02
Sample ID:	399393	Sample Dates:	12/29/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-5.6E+00	0.00E+00	2.57E+02

Sample Point 606 [ INDICATOR - -- @ 0 miles ]

Sample ID:	366955	Sample Dates:	1/6/2015 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.1E+02	0.00E+00	2.48E+02
Sample ID:	367341	Sample Dates:	1/13/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<0.00E+00	0.00E+00	2.55E+02
Sample ID:	369098	Sample Dates:	1/19/2015 - 1/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.2E+02	0.00E+00	2.50E+02



## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 606 [ INDICATOR - -- @ 0 miles ]

Sample ID:	369340	Sample Dates:	1/26/2015 - 1/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<6.61E+01	0.00E+00	2.47E+02
Sample ID:	369908	Sample Dates:	2/3/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.81E+02	0.00E+00	2.38E+02
Sample ID:	370700	Sample Dates:	2/11/2015 - 2/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.80E+02	0.00E+00	2.51E+02
Sample ID:	371694	Sample Dates:	2/18/2015 - 2/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-5.7E+01	0.00E+00	2.62E+02
Sample ID:	372247	Sample Dates:	2/25/2015 - 2/25/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.15E+02	0.00E+00	2.40E+02
Sample ID:	372969	Sample Dates:	3/4/2015 - 3/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.58E+01	0.00E+00	2.45E+02
Sample ID:	373993	Sample Dates:	3/10/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.41E+01	0.00E+00	2.54E+02
Sample ID:	374728	Sample Dates:	3/18/2015 - 3/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-9.3E+01	0.00E+00	2.57E+02
Sample ID:	374879	Sample Dates:	3/24/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.66E+01	0.00E+00	2.47E+02
Sample ID:	375202	Sample Dates:	3/31/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.13E+02	0.00E+00	2.52E+02
Sample ID:	376932	Sample Dates:	4/7/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.29E+02	0.00E+00	2.45E+02
Sample ID:	377315	Sample Dates:	4/15/2015 - 4/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.6E+02	0.00E+00	2.56E+02
Sample ID:	378779	Sample Dates:	4/21/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.64E+02	0.00E+00	2.43E+02
Sample ID:	379088	Sample Dates:	4/29/2015 - 4/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.58E+02	0.00E+00	2.56E+02
Sample ID:	379346	Sample Dates:	5/6/2015 - 5/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.36E+01	0.00E+00	2.48E+02
Sample ID:	379690	Sample Dates:	5/12/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.65E+01	0.00E+00	2.52E+02
Sample ID:	380592	Sample Dates:	5/19/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<9.58E+01	0.00E+00	2.48E+02
Sample ID:	380740	Sample Dates:	5/26/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<6.54E+01	0.00E+00	2.43E+02
Sample ID:	381076	Sample Dates:	6/2/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-6.4E+01	0.00E+00	2.48E+02
Sample ID:	381506	Sample Dates:	6/9/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<6.42E+01	0.00E+00	2.49E+02
Sample ID:	381961	Sample Dates:	6/16/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<5.32E+01	0.00E+00	2.46E+02
Sample ID:	382064	Sample Dates:	6/23/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<7.27E+01	0.00E+00	2.40E+02
Sample ID:	382824	Sample Dates:	6/30/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.7E+01	0.00E+00	2.53E+02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 606 [ INDICATOR - -- @ 0 miles ]

Sample ID:	383469	Sample Dates:	7/7/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.7E+01	0.00E+00	2.53E+02
Sample ID:	383953	Sample Dates:	7/14/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-9.3E+01	0.00E+00	2.62E+02
Sample ID:	384781	Sample Dates:	7/22/2015 - 7/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-2.3E+01	0.00E+00	2.70E+02
Sample ID:	384892	Sample Dates:	7/28/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.91E+02	0.00E+00	2.45E+02
Sample ID:	386042	Sample Dates:	8/4/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.71E+01	0.00E+00	2.58E+02
Sample ID:	386308	Sample Dates:	8/11/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-7.1E+01	0.00E+00	2.57E+02
Sample ID:	387325	Sample Dates:	8/18/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.79E+01	0.00E+00	2.47E+02
Sample ID:	388452	Sample Dates:	8/26/2015 - 8/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-4.0E+01	0.00E+00	2.53E+02
Sample ID:	389517	Sample Dates:	9/1/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.1E+01	0.00E+00	2.53E+02
Sample ID:	390522	Sample Dates:	9/9/2015 - 9/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<4.01E+00	0.00E+00	2.73E+02
Sample ID:	390875	Sample Dates:	9/15/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.64E+01	0.00E+00	2.57E+02
Sample ID:	392104	Sample Dates:	9/22/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-2.4E+01	0.00E+00	2.70E+02
Sample ID:	393183	Sample Dates:	9/29/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-4.4E+01	0.00E+00	2.54E+02
Sample ID:	394952	Sample Dates:	10/7/2015 - 10/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-2.8E+01	0.00E+00	2.56E+02
Sample ID:	395064	Sample Dates:	10/13/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<7.81E+01	0.00E+00	2.61E+02
Sample ID:	395243	Sample Dates:	10/20/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<8.49E+01	0.00E+00	2.60E+02
Sample ID:	395446	Sample Dates:	10/27/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.47E+01	0.00E+00	2.54E+02
Sample ID:	395816	Sample Dates:	11/3/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-5.5E+00	0.00E+00	2.52E+02
Sample ID:	396236	Sample Dates:	11/11/2015 - 11/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.28E+01	0.00E+00	2.56E+02
Sample ID:	397559	Sample Dates:	11/17/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-2.0E+01	0.00E+00	2.51E+02
Sample ID:	397738	Sample Dates:	11/24/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.2E+02	0.00E+00	2.59E+02
Sample ID:	398111	Sample Dates:	12/1/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<7.19E+01	0.00E+00	2.55E+02
Sample ID:	398600	Sample Dates:	12/9/2015 - 12/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<8.45E+01	0.00E+00	2.52E+02

## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 606 [ INDICATOR - -- @ 0 miles ]

Sample ID:	399028	Sample Dates:	12/15/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.2E+01	0.00E+00	2.59E+02
Sample ID:	399094	Sample Dates:	12/23/2015 - 12/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<5.33E+01	0.00E+00	2.52E+02
Sample ID:	399394	Sample Dates:	12/29/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.33E+02	0.00E+00	2.57E+02

Sample Point 607 [ INDICATOR - -- @ 0 miles ]

Sample ID:	366956	Sample Dates:	1/6/2015 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<7.1E+01	0.00E+00	2.47E+02
Sample ID:	367407	Sample Dates:	1/13/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<7.37E+01	0.00E+00	2.51E+02
Sample ID:	369099	Sample Dates:	1/19/2015 - 1/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.2E+01	0.00E+00	2.50E+02
Sample ID:	369342	Sample Dates:	1/26/2015 - 1/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<5.60E+01	0.00E+00	2.49E+02
Sample ID:	369909	Sample Dates:	2/3/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.00E+02	0.00E+00	2.37E+02
Sample ID:	370701	Sample Dates:	2/11/2015 - 2/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.70E+02	0.00E+00	2.50E+02
Sample ID:	371695	Sample Dates:	2/18/2015 - 2/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<6.1E+01	0.00E+00	2.64E+02
Sample ID:	372248	Sample Dates:	2/25/2015 - 2/25/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.33E+02	0.00E+00	2.41E+02
Sample ID:	372970	Sample Dates:	3/4/2015 - 3/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.41E+01	0.00E+00	2.46E+02
Sample ID:	373994	Sample Dates:	3/10/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.54E+02	0.00E+00	2.57E+02
Sample ID:	374729	Sample Dates:	3/18/2015 - 3/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.6E+02	0.00E+00	2.57E+02
Sample ID:	374880	Sample Dates:	3/24/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.46E+01	0.00E+00	2.48E+02
Sample ID:	375203	Sample Dates:	3/31/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.62E+02	0.00E+00	2.52E+02
Sample ID:	376933	Sample Dates:	4/7/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.11E+02	0.00E+00	2.44E+02
Sample ID:	377578	Sample Dates:	4/15/2015 - 4/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.4E+01	0.00E+00	2.55E+02
Sample ID:	378781	Sample Dates:	4/21/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.24E+02	0.00E+00	2.44E+02
Sample ID:	379089	Sample Dates:	4/29/2015 - 4/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.64E+02	0.00E+00	2.56E+02
Sample ID:	379347	Sample Dates:	5/6/2015 - 5/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.64E+02	0.00E+00	2.48E+02
Sample ID:	379691	Sample Dates:	5/12/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.7E+01	0.00E+00	2.51E+02

## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 607 [ INDICATOR - -- @ 0 miles ]

Sample ID:	380593	Sample Dates:	5/19/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<9.05E+01	0.00E+00	2.48E+02
Sample ID:	380741	Sample Dates:	5/26/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<4.42E+01	0.00E+00	2.43E+02
Sample ID:	381077	Sample Dates:	6/2/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<8.85E+00	0.00E+00	2.47E+02
Sample ID:	381507	Sample Dates:	6/9/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-4.4E+01	0.00E+00	2.46E+02
Sample ID:	381962	Sample Dates:	6/16/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-5.7E+01	0.00E+00	2.46E+02
Sample ID:	382065	Sample Dates:	6/23/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.65E+02	0.00E+00	2.40E+02
Sample ID:	382825	Sample Dates:	6/30/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<9.94E+01	0.00E+00	2.56E+02
Sample ID:	383470	Sample Dates:	7/7/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<9.45E+00	0.00E+00	2.53E+02
Sample ID:	383954	Sample Dates:	7/14/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.09E+01	0.00E+00	2.63E+02
Sample ID:	384782	Sample Dates:	7/22/2015 - 7/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.5E+02	0.00E+00	2.70E+02
Sample ID:	384893	Sample Dates:	7/28/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.56E+02	0.00E+00	2.44E+02
Sample ID:	386043	Sample Dates:	8/4/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.55E+01	0.00E+00	2.58E+02
Sample ID:	386309	Sample Dates:	8/11/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-4.0E+01	0.00E+00	2.57E+02
Sample ID:	387326	Sample Dates:	8/18/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<7.97E+01	0.00E+00	2.48E+02
Sample ID:	388453	Sample Dates:	8/26/2015 - 8/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-8.2E+01	0.00E+00	2.54E+02
Sample ID:	389518	Sample Dates:	9/1/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-3.3E+01	0.00E+00	2.52E+02
Sample ID:	390523	Sample Dates:	9/9/2015 - 9/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-3.8E+01	0.00E+00	2.69E+02
Sample ID:	390876	Sample Dates:	9/15/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-4.0E+01	0.00E+00	2.54E+02
Sample ID:	392105	Sample Dates:	9/22/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.45E+01	0.00E+00	2.71E+02
Sample ID:	393184	Sample Dates:	9/29/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<6.39E+01	0.00E+00	2.53E+02
Sample ID:	394953	Sample Dates:	10/7/2015 - 10/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-6.3E+01	0.00E+00	2.56E+02
Sample ID:	395065	Sample Dates:	10/13/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.20E+02	0.00E+00	2.61E+02
Sample ID:	395244	Sample Dates:	10/20/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<4.34E+01	0.00E+00	2.60E+02



## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 607 [ INDICATOR - -- @ 0 miles ]

Sample ID:	395447	Sample Dates:	10/27/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.1E+02	0.00E+00	2.54E+02
Sample ID:	395817	Sample Dates:	11/3/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.40E+01	0.00E+00	2.54E+02
Sample ID:	396237	Sample Dates:	11/11/2015 - 11/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.65E+00	0.00E+00	2.56E+02
Sample ID:	397560	Sample Dates:	11/17/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.44E+02	0.00E+00	2.52E+02
Sample ID:	397739	Sample Dates:	11/24/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.8E+02	0.00E+00	2.59E+02
Sample ID:	398112	Sample Dates:	12/1/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<5.34E+01	0.00E+00	2.55E+02
Sample ID:	398601	Sample Dates:	12/9/2015 - 12/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<9.21E+01	0.00E+00	2.53E+02
Sample ID:	399029	Sample Dates:	12/15/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.70E+00	0.00E+00	2.59E+02
Sample ID:	399095	Sample Dates:	12/23/2015 - 12/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.32E+02	0.00E+00	2.58E+02
Sample ID:	399395	Sample Dates:	12/29/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<5.36E+01	0.00E+00	2.57E+02

Sample Point 608 [ INDICATOR - -- @ 0 miles ]

Sample ID:	366957	Sample Dates:	1/6/2015 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.45E+00	0.00E+00	2.46E+02
Sample ID:	367408	Sample Dates:	1/13/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	6.52E+02	1.59E+02	2.50E+02
Sample ID:	369100	Sample Dates:	1/19/2015 - 1/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.4E+02	0.00E+00	2.51E+02
Sample ID:	369343	Sample Dates:	1/26/2015 - 1/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<8.08E+01	0.00E+00	2.49E+02
Sample ID:	369910	Sample Dates:	2/3/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.02E+02	0.00E+00	2.38E+02
Sample ID:	370702	Sample Dates:	2/11/2015 - 2/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<6.63E+01	0.00E+00	2.51E+02
Sample ID:	371696	Sample Dates:	2/18/2015 - 2/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.4E+02	0.00E+00	2.62E+02
Sample ID:	372249	Sample Dates:	2/25/2015 - 2/25/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	2.90E+02	1.47E+02	2.41E+02
Sample ID:	372971	Sample Dates:	3/4/2015 - 3/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.13E+02	0.00E+00	2.46E+02
Sample ID:	373995	Sample Dates:	3/10/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	3.20E+02	1.49E+02	2.43E+02
Sample ID:	374730	Sample Dates:	3/18/2015 - 3/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-3.0E+01	0.00E+00	2.50E+02
Sample ID:	374881	Sample Dates:	3/24/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<4.91E+01	0.00E+00	2.48E+02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 608 [ INDICATOR - -- @ 0 miles ]

Sample ID:	375204	Sample Dates:	3/31/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.00E+02	0.00E+00	2.56E+02
Sample ID:	376934	Sample Dates:	4/7/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<6.15E+01	0.00E+00	2.44E+02
Sample ID:	377579	Sample Dates:	4/15/2015 - 4/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-4.6E+01	0.00E+00	2.53E+02
Sample ID:	378782	Sample Dates:	4/21/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.03E+02	0.00E+00	2.44E+02
Sample ID:	379090	Sample Dates:	4/29/2015 - 4/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<6.03E+01	0.00E+00	2.54E+02
Sample ID:	379348	Sample Dates:	5/6/2015 - 5/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.30E+02	0.00E+00	2.47E+02
Sample ID:	379709	Sample Dates:	5/12/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<9.19E+01	0.00E+00	2.52E+02
Sample ID:	380631	Sample Dates:	5/19/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.12E+02	0.00E+00	2.43E+02
Sample ID:	380750	Sample Dates:	5/26/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.14E+02	0.00E+00	2.48E+02
Sample ID:	381078	Sample Dates:	6/2/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.74E+01	0.00E+00	2.51E+02
Sample ID:	381508	Sample Dates:	6/9/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.36E+01	0.00E+00	2.46E+02
Sample ID:	381964	Sample Dates:	6/16/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.77E+00	0.00E+00	2.46E+02
Sample ID:	382066	Sample Dates:	6/23/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.99E+02	0.00E+00	2.40E+02
Sample ID:	382826	Sample Dates:	6/30/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-5.7E+00	0.00E+00	2.54E+02
Sample ID:	383471	Sample Dates:	7/7/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.16E+02	0.00E+00	2.53E+02
Sample ID:	383955	Sample Dates:	7/14/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-8.0E+01	0.00E+00	2.65E+02
Sample ID:	384783	Sample Dates:	7/22/2015 - 7/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.3E+02	0.00E+00	2.72E+02
Sample ID:	384894	Sample Dates:	7/28/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<6.93E+01	0.00E+00	2.55E+02
Sample ID:	386044	Sample Dates:	8/4/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<5.16E+01	0.00E+00	2.66E+02
Sample ID:	386310	Sample Dates:	8/11/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.54E+01	0.00E+00	2.48E+02
Sample ID:	387327	Sample Dates:	8/18/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.21E+02	0.00E+00	2.48E+02
Sample ID:	388454	Sample Dates:	8/26/2015 - 8/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-5.6E+01	0.00E+00	2.54E+02
Sample ID:	389713	Sample Dates:	9/1/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-6.0E+01	0.00E+00	2.59E+02

# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 608 [ INDICATOR - -- @ 0 miles ]

Sample ID:	390575	Sample Dates:	9/9/2015 - 9/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.9E+02	0.00E+00	2.77E+02
Sample ID:	390877	Sample Dates:	9/15/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-4.4E+01	0.00E+00	2.57E+02
Sample ID:	392725	Sample Dates:	9/22/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.69E+02	0.00E+00	2.37E+02
Sample ID:	393185	Sample Dates:	9/29/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.19E+02	0.00E+00	2.53E+02
Sample ID:	394954	Sample Dates:	10/7/2015 - 10/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.55E+02	0.00E+00	2.53E+02
Sample ID:	395066	Sample Dates:	10/13/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.15E+02	0.00E+00	2.64E+02
Sample ID:	395245	Sample Dates:	10/20/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<7.01E+01	0.00E+00	2.54E+02
Sample ID:	395448	Sample Dates:	10/27/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.7E+01	0.00E+00	2.51E+02
Sample ID:	395844	Sample Dates:	11/3/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.35E+02	0.00E+00	2.54E+02
Sample ID:	396238	Sample Dates:	11/11/2015 - 11/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-6.5E+01	0.00E+00	2.59E+02
Sample ID:	397563	Sample Dates:	11/17/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-7.5E+01	0.00E+00	2.59E+02
Sample ID:	397740	Sample Dates:	11/24/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.19E+02	0.00E+00	2.42E+02
Sample ID:	398113	Sample Dates:	12/1/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<5.69E+01	0.00E+00	2.54E+02
Sample ID:	398602	Sample Dates:	12/9/2015 - 12/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<9.98E+01	0.00E+00	2.53E+02
Sample ID:	399030	Sample Dates:	12/15/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<9.51E+01	0.00E+00	2.65E+02
Sample ID:	399096	Sample Dates:	12/23/2015 - 12/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<8.48E+01	0.00E+00	2.53E+02
Sample ID:	399396	Sample Dates:	12/29/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.64E+02	0.00E+00	2.56E+02

Sample Point 609 [ INDICATOR - -- @ 0 miles ]

Sample ID:	366958	Sample Dates:	1/6/2015 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.6E+01	0.00E+00	2.46E+02
Sample ID:	367409	Sample Dates:	1/13/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.8E+00	0.00E+00	2.51E+02
Sample ID:	369101	Sample Dates:	1/19/2015 - 1/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.38E+01	0.00E+00	2.51E+02
Sample ID:	369344	Sample Dates:	1/26/2015 - 1/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<8.01E+01	0.00E+00	2.47E+02
Sample ID:	369911	Sample Dates:	2/3/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.12E+02	0.00E+00	2.38E+02

# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 609 [ INDICATOR - -- @ 0 miles ]

Sample ID:	370703	Sample Dates:	2/11/2015 - 2/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.66E+02	0.00E+00	2.51E+02
Sample ID:	371697	Sample Dates:	2/18/2015 - 2/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-2.2E+02	0.00E+00	2.62E+02
Sample ID:	372250	Sample Dates:	2/25/2015 - 2/25/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.40E+02	0.00E+00	2.41E+02
Sample ID:	372972	Sample Dates:	3/4/2015 - 3/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.86E+02	0.00E+00	2.46E+02
Sample ID:	373996	Sample Dates:	3/10/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<7.88E+01	0.00E+00	2.42E+02
Sample ID:	374731	Sample Dates:	3/18/2015 - 3/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.38E+02	0.00E+00	2.50E+02
Sample ID:	374882	Sample Dates:	3/24/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<9.45E+01	0.00E+00	2.47E+02
Sample ID:	375205	Sample Dates:	3/31/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<5.28E+01	0.00E+00	2.55E+02
Sample ID:	376935	Sample Dates:	4/7/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<8.30E+01	0.00E+00	2.45E+02
Sample ID:	377580	Sample Dates:	4/15/2015 - 4/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-2.3E+01	0.00E+00	2.54E+02
Sample ID:	378783	Sample Dates:	4/21/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.13E+02	0.00E+00	2.44E+02
Sample ID:	379091	Sample Dates:	4/29/2015 - 4/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-3.0E+01	0.00E+00	2.54E+02
Sample ID:	379349	Sample Dates:	5/6/2015 - 5/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<7.96E+01	0.00E+00	2.48E+02
Sample ID:	379710	Sample Dates:	5/12/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<9.22E+01	0.00E+00	2.53E+02
Sample ID:	380632	Sample Dates:	5/19/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	2.48E+02	1.48E+02	2.43E+02
Sample ID:	380751	Sample Dates:	5/26/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.09E+02	0.00E+00	2.49E+02
Sample ID:	381079	Sample Dates:	6/2/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.1E+02	0.00E+00	2.51E+02
Sample ID:	381509	Sample Dates:	6/9/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-4.6E+01	0.00E+00	2.48E+02
Sample ID:	381965	Sample Dates:	6/16/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<8.62E+01	0.00E+00	2.49E+02
Sample ID:	382067	Sample Dates:	6/23/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.16E+02	0.00E+00	2.41E+02
Sample ID:	382827	Sample Dates:	6/30/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<6.03E+01	0.00E+00	2.53E+02
Sample ID:	383472	Sample Dates:	7/7/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.19E+02	0.00E+00	2.53E+02
Sample ID:	383956	Sample Dates:	7/14/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-3.4E+01	0.00E+00	2.63E+02

## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 609 [ INDICATOR - -- @ 0 miles ]

Sample ID:	384784	Sample Dates:	7/22/2015 - 7/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-5.8E+01	0.00E+00	2.68E+02
Sample ID:	384895	Sample Dates:	7/28/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.51E+02	0.00E+00	2.57E+02
Sample ID:	386045	Sample Dates:	8/4/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-4.0E+00	0.00E+00	2.66E+02
Sample ID:	386311	Sample Dates:	8/11/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.39E+02	0.00E+00	2.47E+02
Sample ID:	387328	Sample Dates:	8/18/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.40E+02	0.00E+00	2.46E+02
Sample ID:	388455	Sample Dates:	8/26/2015 - 8/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.5E+01	0.00E+00	2.54E+02
Sample ID:	389714	Sample Dates:	9/1/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.9E+02	0.00E+00	2.61E+02
Sample ID:	390737	Sample Dates:	9/9/2015 - 9/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-2.4E+01	0.00E+00	2.79E+02
Sample ID:	390878	Sample Dates:	9/15/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.3E+02	0.00E+00	2.57E+02
Sample ID:	392726	Sample Dates:	9/22/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.7E+01	0.00E+00	2.55E+02
Sample ID:	393186	Sample Dates:	9/29/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.20E+01	0.00E+00	2.54E+02
Sample ID:	394955	Sample Dates:	10/7/2015 - 10/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<9.26E+00	0.00E+00	2.54E+02
Sample ID:	395067	Sample Dates:	10/13/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<9.24E+01	0.00E+00	2.62E+02
Sample ID:	395246	Sample Dates:	10/20/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.7E+01	0.00E+00	2.52E+02
Sample ID:	395449	Sample Dates:	10/27/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<4.38E+01	0.00E+00	2.51E+02
Sample ID:	395845	Sample Dates:	11/3/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.21E+02	0.00E+00	2.50E+02
Sample ID:	396239	Sample Dates:	11/11/2015 - 11/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.8E+01	0.00E+00	2.56E+02
Sample ID:	397564	Sample Dates:	11/17/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<8.27E+01	0.00E+00	2.57E+02
Sample ID:	397741	Sample Dates:	11/24/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.23E+02	0.00E+00	2.42E+02
Sample ID:	398114	Sample Dates:	12/1/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-3.7E+01	0.00E+00	2.55E+02
Sample ID:	398603	Sample Dates:	12/9/2015 - 12/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.42E+02	0.00E+00	2.53E+02
Sample ID:	399031	Sample Dates:	12/15/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<7.54E+01	0.00E+00	2.67E+02
Sample ID:	399097	Sample Dates:	12/23/2015 - 12/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.93E+01	0.00E+00	2.52E+02

## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 609 [ INDICATOR - -- @ 0 miles ]

Sample ID:	Sample Dates:	Nuclide	Activity	2 Sigma Error	LLD
399397	12/29/2015 - 12/29/2015	H3SW	<1.29E+01	0.00E+00	2.57E+02

Sample Point 610 [ INDICATOR - -- @ 0 miles ]

Sample ID:	Sample Dates:	Nuclide	Activity	2 Sigma Error	LLD
366959	1/6/2015 - 1/6/2015	H3SW	<-1.0E+02	0.00E+00	2.46E+02
367410	1/13/2015 - 1/13/2015	H3SW	<1.04E+02	0.00E+00	2.49E+02
369102	1/19/2015 - 1/19/2015	H3SW	<-6.3E+01	0.00E+00	2.52E+02
369345	1/26/2015 - 1/26/2015	H3SW	<-7.0E+00	0.00E+00	2.47E+02
369912	2/3/2015 - 2/3/2015	H3SW	<1.75E+02	0.00E+00	2.38E+02
370705	2/11/2015 - 2/11/2015	H3SW	<1.12E+02	0.00E+00	2.51E+02
371698	2/18/2015 - 2/18/2015	H3SW	<-1.8E+02	0.00E+00	2.62E+02
372251	2/25/2015 - 2/25/2015	H3SW	<5.43E+01	0.00E+00	2.41E+02
372973	3/4/2015 - 3/4/2015	H3SW	2.48E+02	1.50E+02	2.47E+02
373997	3/10/2015 - 3/10/2015	H3SW	<1.54E+02	0.00E+00	2.42E+02
374732	3/18/2015 - 3/18/2015	H3SW	<-3.5E+00	0.00E+00	2.50E+02
374883	3/24/2015 - 3/24/2015	H3SW	<1.14E+02	0.00E+00	2.48E+02
375206	3/31/2015 - 3/31/2015	H3SW	<4.54E+01	0.00E+00	2.56E+02
376936	4/7/2015 - 4/7/2015	H3SW	<1.18E+02	0.00E+00	2.44E+02
377581	4/15/2015 - 4/15/2015	H3SW	<-4.2E+01	0.00E+00	2.54E+02
378784	4/21/2015 - 4/21/2015	H3SW	<1.36E+02	0.00E+00	2.43E+02
379092	4/29/2015 - 4/29/2015	H3SW	<7.10E+01	0.00E+00	2.54E+02
379350	5/6/2015 - 5/6/2015	H3SW	<8.69E+01	0.00E+00	2.49E+02
379711	5/12/2015 - 5/12/2015	H3SW	<2.47E+01	0.00E+00	2.53E+02
380633	5/19/2015 - 5/19/2015	H3SW	2.74E+02	1.48E+02	2.43E+02
380752	5/26/2015 - 5/26/2015	H3SW	<3.54E+01	0.00E+00	2.45E+02



**BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)**

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

Sample Point 610 [ INDICATOR -- @ 0 miles ]

Sample ID:	381080	Sample Dates:	6/2/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.8E+01	0.00E+00	2.50E+02
Sample ID:	381510	Sample Dates:	6/9/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-2.3E+01	0.00E+00	2.47E+02
Sample ID:	381966	Sample Dates:	6/16/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.1E+02	0.00E+00	2.51E+02
Sample ID:	382068	Sample Dates:	6/23/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.52E+02	0.00E+00	2.40E+02
Sample ID:	382828	Sample Dates:	6/30/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-3.8E+01	0.00E+00	2.54E+02
Sample ID:	383473	Sample Dates:	7/7/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.00E+02	0.00E+00	2.48E+02
Sample ID:	383960	Sample Dates:	7/14/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-3.0E+01	0.00E+00	2.63E+02
Sample ID:	384785	Sample Dates:	7/22/2015 - 7/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-7.3E+01	0.00E+00	2.69E+02
Sample ID:	384896	Sample Dates:	7/28/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.15E+01	0.00E+00	2.55E+02
Sample ID:	386046	Sample Dates:	8/4/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-6.8E+01	0.00E+00	2.67E+02
Sample ID:	386312	Sample Dates:	8/11/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.99E+02	0.00E+00	2.47E+02
Sample ID:	387329	Sample Dates:	8/18/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.61E+02	0.00E+00	2.47E+02
Sample ID:	388456	Sample Dates:	8/26/2015 - 8/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.1E+02	0.00E+00	2.53E+02
Sample ID:	389715	Sample Dates:	9/1/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-9.9E+01	0.00E+00	2.62E+02
Sample ID:	390738	Sample Dates:	9/9/2015 - 9/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.41E+01	0.00E+00	2.78E+02
Sample ID:	390879	Sample Dates:	9/15/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-2.5E+01	0.00E+00	2.56E+02
Sample ID:	392727	Sample Dates:	9/22/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-4.4E+01	0.00E+00	2.67E+02
Sample ID:	393187	Sample Dates:	9/29/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<5.84E+01	0.00E+00	2.53E+02
Sample ID:	394956	Sample Dates:	10/7/2015 - 10/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-9.2E+00	0.00E+00	2.53E+02
Sample ID:	395068	Sample Dates:	10/13/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.49E+02	0.00E+00	2.63E+02
Sample ID:	395247	Sample Dates:	10/20/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.32E+01	0.00E+00	2.54E+02
Sample ID:	395450	Sample Dates:	10/27/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-5.9E+01	0.00E+00	2.51E+02
Sample ID:	395846	Sample Dates:	11/3/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<8.66E+01	0.00E+00	2.50E+02



## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 610 [ INDICATOR - -- @ 0 miles ]

Sample ID:	396240	Sample Dates:	11/11/2015 - 11/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-1.3E+01	0.00E+00	2.58E+02
Sample ID:	397565	Sample Dates:	11/17/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-2.2E+01	0.00E+00	2.57E+02
Sample ID:	397742	Sample Dates:	11/24/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.66E+02	0.00E+00	2.44E+02
Sample ID:	398115	Sample Dates:	12/1/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<-7.4E+00	0.00E+00	2.55E+02
Sample ID:	398604	Sample Dates:	12/9/2015 - 12/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<3.67E+01	0.00E+00	2.52E+02
Sample ID:	399032	Sample Dates:	12/15/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.30E+02	0.00E+00	2.67E+02
Sample ID:	399098	Sample Dates:	12/23/2015 - 12/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<2.21E+01	0.00E+00	2.53E+02
Sample ID:	399398	Sample Dates:	12/29/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				H3SW	<1.22E+02	0.00E+00	2.57E+02

Sample Point 1065 [ INDICATOR - @ 0 miles ]

Sample ID:	378827	Sample Dates:	1/6/2015 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	378828	Sample Dates:	1/13/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	378829	Sample Dates:	1/19/2015 - 1/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	378830	Sample Dates:	1/26/2015 - 1/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	378831	Sample Dates:	2/3/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	378832	Sample Dates:	2/11/2015 - 2/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	378833	Sample Dates:	2/18/2015 - 2/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	378834	Sample Dates:	2/25/2015 - 2/25/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	378835	Sample Dates:	3/4/2015 - 3/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	378836	Sample Dates:	3/10/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	378837	Sample Dates:	3/18/2015 - 3/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	378838	Sample Dates:	3/24/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	378839	Sample Dates:	3/31/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	378840	Sample Dates:	4/7/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		





# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 1065 [ INDICATOR - @ 0 miles ]

Sample ID:	378841	Sample Dates:	4/15/2015 - 4/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	378633	Sample Dates:	4/21/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.76E+01	0.00E+00	1.76E+01
				Co-58	<7.77E+00	0.00E+00	7.77E+00
				Fe-59	<2.68E+01	0.00E+00	2.68E+01
				Co-60	<9.26E+00	0.00E+00	9.26E+00
				Zn-65	<2.56E+01	0.00E+00	2.56E+01
				Zr-95	<3.28E+01	0.00E+00	3.28E+01
				Nb-95	<1.88E+01	0.00E+00	1.88E+01
				I-131	<3.80E+01	0.00E+00	3.80E+01
				Cs-134	<1.11E+01	0.00E+00	1.11E+01
				Cs-137	<1.51E+01	0.00E+00	1.51E+01
				La-140	<3.76E+03	0.00E+00	3.76E+03
				Ba-140	<8.78E+01	0.00E+00	8.78E+01
				Total-Gam	0.00E+00		
Sample ID:	379096	Sample Dates:	4/29/2015 - 4/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.43E+01	0.00E+00	1.43E+01
				Co-58	<1.35E+01	0.00E+00	1.35E+01
				Fe-59	<3.79E+01	0.00E+00	3.79E+01
				Co-60	<1.03E+01	0.00E+00	1.03E+01
				Zn-65	<3.13E+01	0.00E+00	3.13E+01
				Zr-95	<1.89E+01	0.00E+00	1.89E+01
				Nb-95	<1.89E+01	0.00E+00	1.89E+01
				I-131	<5.61E+01	0.00E+00	5.61E+01
				Cs-134	<7.84E+00	0.00E+00	7.84E+00
				Cs-137	<1.51E+01	0.00E+00	1.51E+01
				La-140	<2.84E+03	0.00E+00	2.84E+03
				Ba-140	<8.86E+01	0.00E+00	8.86E+01
				Total-Gam	0.00E+00		
Sample ID:	379544	Sample Dates:	5/6/2015 - 5/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.24E+01	0.00E+00	1.24E+01
				Co-58	<2.18E+01	0.00E+00	2.18E+01
				Fe-59	<3.93E+01	0.00E+00	3.93E+01
				Co-60	<1.31E+01	0.00E+00	1.31E+01
				Zn-65	<3.61E+01	0.00E+00	3.61E+01
				Zr-95	<2.64E+01	0.00E+00	2.64E+01
				Nb-95	<2.02E+01	0.00E+00	2.02E+01
				I-131	<3.68E+01	0.00E+00	3.68E+01
				Cs-134	<1.37E+01	0.00E+00	1.37E+01
				Cs-137	<1.66E+01	0.00E+00	1.66E+01
				La-140	<1.73E+03	0.00E+00	1.73E+03
				Ba-140	<1.05E+02	0.00E+00	1.05E+02
				Total-Gam	0.00E+00		
Sample ID:	379693	Sample Dates:	5/12/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.42E+01	0.00E+00	1.42E+01
				Co-58	<1.05E+01	0.00E+00	1.05E+01
				Fe-59	<2.64E+01	0.00E+00	2.64E+01
				Co-60	<9.25E+00	0.00E+00	9.25E+00
				Zn-65	<4.00E+01	0.00E+00	4.00E+01
				Zr-95	<2.56E+01	0.00E+00	2.56E+01
				Nb-95	<1.90E+01	0.00E+00	1.90E+01
				I-131	<3.24E+01	0.00E+00	3.24E+01
				Cs-134	<7.91E+00	0.00E+00	7.91E+00
				Cs-137	<1.35E+01	0.00E+00	1.35E+01
				La-140	<1.07E+03	0.00E+00	1.07E+03
				Ba-140	<7.67E+01	0.00E+00	7.67E+01
				Total-Gam	0.00E+00		
Sample ID:	380594	Sample Dates:	5/19/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.02E+01	0.00E+00	1.02E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 1065 [ INDICATOR - @ 0 miles ]

Sample ID: 380594	Sample Dates: 5/19/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
		Co-58	<1.36E+01	0.00E+00	1.36E+01
		Fe-59	<2.86E+01	0.00E+00	2.86E+01
		Co-60	<1.03E+01	0.00E+00	1.03E+01
		Zn-65	<3.14E+01	0.00E+00	3.14E+01
		Zr-95	<2.70E+01	0.00E+00	2.70E+01
		Nb-95	<2.27E+01	0.00E+00	2.27E+01
		I-131	<5.26E+01	0.00E+00	5.26E+01
		Cs-134	<1.75E+01	0.00E+00	1.75E+01
		Cs-137	<1.51E+01	0.00E+00	1.51E+01
		La-140	<5.58E+03	0.00E+00	5.58E+03
		Ba-140	<8.27E+01	0.00E+00	8.27E+01
		Total-Gam	0.00E+00		

Sample ID: 380742	Sample Dates: 5/26/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.42E+01	0.00E+00	1.42E+01
		Co-58	<1.48E+01	0.00E+00	1.48E+01
		Fe-59	<3.51E+01	0.00E+00	3.51E+01
		Co-60	<1.02E+01	0.00E+00	1.02E+01
		Zn-65	<3.09E+01	0.00E+00	3.09E+01
		Zr-95	<1.27E+01	0.00E+00	1.27E+01
		Nb-95	<1.32E+01	0.00E+00	1.32E+01
		I-131	<3.29E+01	0.00E+00	3.29E+01
		Cs-134	<1.23E+01	0.00E+00	1.23E+01
		Cs-137	<1.35E+01	0.00E+00	1.35E+01
		La-140	<3.47E+02	0.00E+00	3.47E+02
		Ba-140	<1.08E+02	0.00E+00	1.08E+02
		Total-Gam	0.00E+00		

Sample ID: 380942	Sample Dates: 6/2/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.73E+01	0.00E+00	1.73E+01
		Co-58	<1.63E+01	0.00E+00	1.63E+01
		Fe-59	<3.41E+01	0.00E+00	3.41E+01
		Co-60	<9.24E+00	0.00E+00	9.24E+00
		Zn-65	<3.55E+01	0.00E+00	3.55E+01
		Zr-95	<2.49E+01	0.00E+00	2.49E+01
		Nb-95	<2.08E+01	0.00E+00	2.08E+01
		I-131	<2.37E+01	0.00E+00	2.37E+01
		Cs-134	<1.65E+01	0.00E+00	1.65E+01
		Cs-137	<1.79E+01	0.00E+00	1.79E+01
		La-140	<2.80E+02	0.00E+00	2.80E+02
		Ba-140	<6.09E+01	0.00E+00	6.09E+01
		Total-Gam	0.00E+00		

Sample ID: 381450	Sample Dates: 6/9/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<2.01E+01	0.00E+00	2.01E+01
		Co-58	<1.82E+01	0.00E+00	1.82E+01
		Fe-59	<3.07E+01	0.00E+00	3.07E+01
		Co-60	<1.85E+01	0.00E+00	1.85E+01
		Zn-65	<0.00E+00	0.00E+00	0.00E+00
		Zr-95	<3.13E+01	0.00E+00	3.13E+01
		Nb-95	<2.44E+01	0.00E+00	2.44E+01
		I-131	<2.94E+01	0.00E+00	2.94E+01
		Cs-134	<1.10E+01	0.00E+00	1.10E+01
		Cs-137	<1.35E+01	0.00E+00	1.35E+01
		La-140	<1.14E+03	0.00E+00	1.14E+03
		Ba-140	<7.63E+01	0.00E+00	7.63E+01
		Total-Gam	0.00E+00		

Sample ID: 381766	Sample Dates: 6/16/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.59E+01	0.00E+00	1.59E+01
		Co-58	<1.66E+01	0.00E+00	1.66E+01
		Fe-59	<2.61E+01	0.00E+00	2.61E+01
		Co-60	<1.31E+01	0.00E+00	1.31E+01
		Zn-65	<3.57E+01	0.00E+00	3.57E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 1065 [ INDICATOR - @ 0 miles ]

Sample ID: 381766	Sample Dates: 6/16/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
		Zr-95	<2.68E+01	0.00E+00	2.68E+01
		Nb-95	<1.87E+01	0.00E+00	1.87E+01
		I-131	<2.91E+01	0.00E+00	2.91E+01
		Cs-134	<7.90E+00	0.00E+00	7.90E+00
		Cs-137	<1.79E+01	0.00E+00	1.79E+01
		La-140	<5.93E+02	0.00E+00	5.93E+02
		Ba-140	<7.94E+01	0.00E+00	7.94E+01
		Total-Gam	0.00E+00		
Sample ID: 381969	Sample Dates: 6/23/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<9.88E+00	0.00E+00	9.88E+00
		Co-58	<9.77E+00	0.00E+00	9.77E+00
		Fe-59	<3.14E+01	0.00E+00	3.14E+01
		Co-60	<9.22E+00	0.00E+00	9.22E+00
		Zn-65	<2.47E+01	0.00E+00	2.47E+01
		Zr-95	<2.88E+01	0.00E+00	2.88E+01
		Nb-95	<1.33E+01	0.00E+00	1.33E+01
		I-131	<1.59E+01	0.00E+00	1.59E+01
		Cs-134	<1.64E+01	0.00E+00	1.64E+01
		Cs-137	<9.57E+00	0.00E+00	9.57E+00
		La-140	<5.20E+01	0.00E+00	5.20E+01
		Ba-140	<5.43E+01	0.00E+00	5.43E+01
		Total-Gam	0.00E+00		
Sample ID: 382350	Sample Dates: 6/30/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<9.86E+00	0.00E+00	9.86E+00
		Co-58	<1.37E+01	0.00E+00	1.37E+01
		Fe-59	<3.80E+01	0.00E+00	3.80E+01
		Co-60	<2.26E+01	0.00E+00	2.26E+01
		Zn-65	<4.27E+01	0.00E+00	4.27E+01
		Zr-95	<2.33E+01	0.00E+00	2.33E+01
		Nb-95	<1.73E+01	0.00E+00	1.73E+01
		I-131	<1.48E+01	0.00E+00	1.48E+01
		Cs-134	<1.82E+01	0.00E+00	1.82E+01
		Cs-137	<1.35E+01	0.00E+00	1.35E+01
		La-140	<1.36E+01	0.00E+00	1.36E+01
		Ba-140	<4.82E+01	0.00E+00	4.82E+01
		Total-Gam	0.00E+00		
Sample ID: 383476	Sample Dates: 7/7/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.76E+01	0.00E+00	1.76E+01
		Co-58	<1.57E+01	0.00E+00	1.57E+01
		Fe-59	<2.86E+01	0.00E+00	2.86E+01
		Co-60	<1.60E+01	0.00E+00	1.60E+01
		Zn-65	<3.62E+01	0.00E+00	3.62E+01
		Zr-95	<1.91E+01	0.00E+00	1.91E+01
		Nb-95	<1.71E+01	0.00E+00	1.71E+01
		I-131	<4.76E+01	0.00E+00	4.76E+01
		Cs-134	<1.24E+01	0.00E+00	1.24E+01
		Cs-137	<2.03E+01	0.00E+00	2.03E+01
		La-140	<9.74E+03	0.00E+00	9.74E+03
		Ba-140	<9.16E+01	0.00E+00	9.16E+01
		Total-Gam	0.00E+00		
Sample ID: 383959	Sample Dates: 7/14/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.59E+01	0.00E+00	1.59E+01
		Co-58	<1.81E+01	0.00E+00	1.81E+01
		Fe-59	<3.50E+01	0.00E+00	3.50E+01
		Co-60	<1.77E+01	0.00E+00	1.77E+01
		Zn-65	<2.52E+01	0.00E+00	2.52E+01
		Zr-95	<2.19E+01	0.00E+00	2.19E+01
		Nb-95	<1.86E+01	0.00E+00	1.86E+01
		I-131	<3.24E+01	0.00E+00	3.24E+01
		Cs-134	<1.37E+01	0.00E+00	1.37E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 1065 [ INDICATOR - @ 0 miles ]

Sample ID: 383959	Sample Dates: 7/14/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-137	<1.17E+01	0.00E+00	1.17E+01
		La-140	<7.35E+02	0.00E+00	7.35E+02
		Ba-140	<7.89E+01	0.00E+00	7.89E+01
		Total-Gam	0.00E+00		
Sample ID: 384788	Sample Dates: 7/22/2015 - 7/22/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.58E+01	0.00E+00	1.58E+01
		Co-58	<1.64E+01	0.00E+00	1.64E+01
		Fe-59	<3.44E+01	0.00E+00	3.44E+01
		Co-60	<1.02E+01	0.00E+00	1.02E+01
		Zn-65	<4.70E+01	0.00E+00	4.70E+01
		Zr-95	<2.16E+01	0.00E+00	2.16E+01
		Nb-95	<1.49E+01	0.00E+00	1.49E+01
		I-131	<2.37E+01	0.00E+00	2.37E+01
		Cs-134	<1.46E+01	0.00E+00	1.46E+01
		Cs-137	<1.17E+01	0.00E+00	1.17E+01
		La-140	<2.95E+02	0.00E+00	2.95E+02
		Ba-140	<9.33E+01	0.00E+00	9.33E+01
		Total-Gam	0.00E+00		
Sample ID: 384883	Sample Dates: 7/28/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.21E+01	0.00E+00	1.21E+01
		Co-58	<1.81E+01	0.00E+00	1.81E+01
		Fe-59	<3.47E+01	0.00E+00	3.47E+01
		Co-60	<1.30E+01	0.00E+00	1.30E+01
		Zn-65	<2.47E+01	0.00E+00	2.47E+01
		Zr-95	<2.84E+01	0.00E+00	2.84E+01
		Nb-95	<1.46E+01	0.00E+00	1.46E+01
		I-131	<1.34E+01	0.00E+00	1.34E+01
		Cs-134	<1.10E+01	0.00E+00	1.10E+01
		Cs-137	<1.66E+01	0.00E+00	1.66E+01
		La-140	<2.43E+01	0.00E+00	2.43E+01
		Ba-140	<5.20E+01	0.00E+00	5.20E+01
		Total-Gam	0.00E+00		
Sample ID: 386033	Sample Dates: 8/4/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.41E+01	0.00E+00	1.41E+01
		Co-58	<1.78E+01	0.00E+00	1.78E+01
		Fe-59	<2.94E+01	0.00E+00	2.94E+01
		Co-60	<1.60E+01	0.00E+00	1.60E+01
		Zn-65	<3.96E+01	0.00E+00	3.96E+01
		Zr-95	<2.48E+01	0.00E+00	2.48E+01
		Nb-95	<1.27E+01	0.00E+00	1.27E+01
		I-131	<1.95E+01	0.00E+00	1.95E+01
		Cs-134	<1.12E+01	0.00E+00	1.12E+01
		Cs-137	<1.17E+01	0.00E+00	1.17E+01
		La-140	<2.09E+02	0.00E+00	2.09E+02
		Ba-140	<6.59E+01	0.00E+00	6.59E+01
		Total-Gam	0.00E+00		
Sample ID: 386299	Sample Dates: 8/11/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.40E+01	0.00E+00	1.40E+01
		Co-58	<1.20E+01	0.00E+00	1.20E+01
		Fe-59	<2.73E+01	0.00E+00	2.73E+01
		Co-60	<1.02E+01	0.00E+00	1.02E+01
		Zn-65	<2.47E+01	0.00E+00	2.47E+01
		Zr-95	<2.04E+01	0.00E+00	2.04E+01
		Nb-95	<1.49E+01	0.00E+00	1.49E+01
		I-131	<1.68E+01	0.00E+00	1.68E+01
		Cs-134	<1.11E+01	0.00E+00	1.11E+01
		Cs-137	<1.79E+01	0.00E+00	1.79E+01
		La-140	<4.30E+01	0.00E+00	4.30E+01
		Ba-140	<5.86E+01	0.00E+00	5.86E+01
		Total-Gam	0.00E+00		



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 1065 [ INDICATOR - @ 0 miles ]

Sample ID: 387254	Sample Dates: 8/18/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<7.00E+00	0.00E+00	7.00E+00
		Co-58	<1.39E+01	0.00E+00	1.39E+01
		Fe-59	<2.25E+01	0.00E+00	2.25E+01
		Co-60	<2.06E+01	0.00E+00	2.06E+01
		Zn-65	<3.03E+01	0.00E+00	3.03E+01
		Zr-95	<2.05E+01	0.00E+00	2.05E+01
		Nb-95	<1.35E+01	0.00E+00	1.35E+01
		I-131	<2.24E+01	0.00E+00	2.24E+01
		Cs-134	<1.55E+01	0.00E+00	1.55E+01
		Cs-137	<1.35E+01	0.00E+00	1.35E+01
		La-140	<2.67E+01	0.00E+00	2.67E+01
		Ba-140	<6.08E+01	0.00E+00	6.08E+01
		Total-Gam	0.00E+00		
Sample ID: 388442	Sample Dates: 8/26/2015 - 8/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.22E+01	0.00E+00	1.22E+01
		Co-58	<1.02E+01	0.00E+00	1.02E+01
		Fe-59	<2.38E+01	0.00E+00	2.38E+01
		Co-60	<9.24E+00	0.00E+00	9.24E+00
		Zn-65	<3.96E+01	0.00E+00	3.96E+01
		Zr-95	<2.12E+01	0.00E+00	2.12E+01
		Nb-95	<7.22E+00	0.00E+00	7.22E+00
		I-131	<1.96E+01	0.00E+00	1.96E+01
		Cs-134	<1.23E+01	0.00E+00	1.23E+01
		Cs-137	<2.03E+01	0.00E+00	2.03E+01
		La-140	<2.34E+02	0.00E+00	2.34E+02
		Ba-140	<4.48E+01	0.00E+00	4.48E+01
		Total-Gam	0.00E+00		
Sample ID: 389508	Sample Dates: 9/1/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.58E+01	0.00E+00	1.58E+01
		Co-58	<1.27E+01	0.00E+00	1.27E+01
		Fe-59	<1.73E+01	0.00E+00	1.73E+01
		Co-60	<1.77E+01	0.00E+00	1.77E+01
		Zn-65	<3.98E+01	0.00E+00	3.98E+01
		Zr-95	<2.66E+01	0.00E+00	2.66E+01
		Nb-95	<1.98E+01	0.00E+00	1.98E+01
		I-131	<2.45E+01	0.00E+00	2.45E+01
		Cs-134	<1.10E+01	0.00E+00	1.10E+01
		Cs-137	<1.66E+01	0.00E+00	1.66E+01
		La-140	<2.44E+02	0.00E+00	2.44E+02
		Ba-140	<7.03E+01	0.00E+00	7.03E+01
		Total-Gam	0.00E+00		
Sample ID: 390134	Sample Dates: 9/9/2015 - 9/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.22E+01	0.00E+00	1.22E+01
		Co-58	<1.03E+02	0.00E+00	1.03E+02
		Fe-59	<3.40E+01	0.00E+00	3.40E+01
		Co-60	<1.02E+01	0.00E+00	1.02E+01
		Zn-65	<3.55E+01	0.00E+00	3.55E+01
		Zr-95	<3.04E+01	0.00E+00	3.04E+01
		Nb-95	<1.47E+01	0.00E+00	1.47E+01
		I-131	<2.46E+01	0.00E+00	2.46E+01
		Cs-134	<1.23E+01	0.00E+00	1.23E+01
		Cs-137	<1.51E+01	0.00E+00	1.51E+01
		La-140	<3.24E+02	0.00E+00	3.24E+02
		Ba-140	<8.54E+01	0.00E+00	8.54E+01
		Total-Gam	0.00E+00		
Sample ID: 390866	Sample Dates: 9/15/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.87E+01	0.00E+00	1.87E+01
		Co-58	<7.27E+00	0.00E+00	7.27E+00
		Fe-59	<3.41E+01	0.00E+00	3.41E+01
		Co-60	<1.02E+01	0.00E+00	1.02E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 1065 [ INDICATOR - @ 0 miles ]

Sample ID: 390866	Sample Dates: 9/15/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		Zn-65	<2.51E+01	0.00E+00	2.51E+01
		Zr-95	<1.76E+01	0.00E+00	1.76E+01
		Nb-95	<1.47E+01	0.00E+00	1.47E+01
		I-131	<1.98E+01	0.00E+00	1.98E+01
		Cs-134	<1.37E+01	0.00E+00	1.37E+01
		Cs-137	<1.92E+01	0.00E+00	1.92E+01
		La-140	<2.25E+02	0.00E+00	2.25E+02
		Ba-140	<5.43E+01	0.00E+00	5.43E+01
		Total-Gam	0.00E+00		

Sample ID: 392088	Sample Dates: 9/22/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.73E+01	0.00E+00	1.73E+01
		Co-58	<1.03E+01	0.00E+00	1.03E+01
		Fe-59	<2.40E+01	0.00E+00	2.40E+01
		Co-60	<9.24E+00	0.00E+00	9.24E+00
		Zn-65	<1.77E+01	0.00E+00	1.77E+01
		Zr-95	<2.48E+01	0.00E+00	2.48E+01
		Nb-95	<2.31E+01	0.00E+00	2.31E+01
		I-131	<2.08E+01	0.00E+00	2.08E+01
		Cs-134	<9.54E+00	0.00E+00	9.54E+00
		Cs-137	<2.03E+01	0.00E+00	2.03E+01
		La-140	<2.54E+02	0.00E+00	2.54E+02
		Ba-140	<9.69E+01	0.00E+00	9.69E+01
		Total-Gam	0.00E+00		

Sample ID: 392569	Sample Dates: 9/29/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.73E+01	0.00E+00	1.73E+01
		Co-58	<1.45E+01	0.00E+00	1.45E+01
		Fe-59	<3.40E+01	0.00E+00	3.40E+01
		Co-60	<1.45E+01	0.00E+00	1.45E+01
		Zn-65	<3.97E+01	0.00E+00	3.97E+01
		Zr-95	<3.39E+01	0.00E+00	3.39E+01
		Nb-95	<1.94E+01	0.00E+00	1.94E+01
		I-131	<2.46E+01	0.00E+00	2.46E+01
		Cs-134	<1.46E+01	0.00E+00	1.46E+01
		Cs-137	<1.35E+01	0.00E+00	1.35E+01
		La-140	<1.53E+02	0.00E+00	1.53E+02
		Ba-140	<8.55E+01	0.00E+00	8.55E+01
		Total-Gam	0.00E+00		

Sample ID: 394942	Sample Dates: 10/7/2015 - 10/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.45E+01	0.00E+00	1.45E+01
		Co-58	<1.43E+01	0.00E+00	1.43E+01
		Fe-59	<4.18E+01	0.00E+00	4.18E+01
		Co-60	<1.61E+01	0.00E+00	1.61E+01
		Zn-65	<4.12E+01	0.00E+00	4.12E+01
		Zr-95	<2.48E+01	0.00E+00	2.48E+01
		Nb-95	<2.13E+01	0.00E+00	2.13E+01
		I-131	<8.04E+01	0.00E+00	8.04E+01
		Cs-134	<1.78E+01	0.00E+00	1.79E+01
		Cs-137	<1.52E+01	0.00E+00	1.52E+01
		La-140	<5.19E+04	0.00E+00	5.19E+04
		Ba-140	<1.57E+02	0.00E+00	1.57E+02
		Total-Gam	0.00E+00		

Sample ID: 395055	Sample Dates: 10/13/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.25E+01	0.00E+00	1.25E+01
		Co-58	<1.11E+01	0.00E+00	1.11E+01
		Fe-59	<3.86E+01	0.00E+00	3.86E+01
		Co-60	<9.27E+00	0.00E+00	9.27E+00
		Zn-65	<3.63E+01	0.00E+00	3.63E+01
		Zr-95	<3.31E+01	0.00E+00	3.31E+01
		Nb-95	<2.99E+01	0.00E+00	2.99E+01
		I-131	<5.20E+01	0.00E+00	5.20E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 1065 [ INDICATOR - @ 0 miles ]

Sample ID: 395055	Sample Dates: 10/13/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-134	<1.36E+01	0.00E+00	1.36E+01
		Cs-137	<9.58E+00	0.00E+00	9.58E+00
		La-140	<6.39E+03	0.00E+00	6.39E+03
		Ba-140	<1.03E+02	0.00E+00	1.03E+02
		Total-Gam	0.00E+00		
Sample ID: 395209	Sample Dates: 10/20/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.74E+01	0.00E+00	1.74E+01
		Co-58	<1.98E+01	0.00E+00	1.98E+01
		Fe-59	<2.65E+01	0.00E+00	2.65E+01
		Co-60	<2.29E+01	0.00E+00	2.29E+01
		Zn-65	<2.53E+01	0.00E+00	2.53E+01
		Zr-95	<2.71E+01	0.00E+00	2.71E+01
		Nb-95	<2.05E+01	0.00E+00	2.05E+01
		I-131	<3.54E+01	0.00E+00	3.54E+01
		Cs-134	<9.56E+00	0.00E+00	9.56E+00
		Cs-137	<1.79E+01	0.00E+00	1.79E+01
		La-140	<7.01E+02	0.00E+00	7.01E+02
		Ba-140	<8.34E+01	0.00E+00	8.34E+01
		Total-Gam	0.00E+00		
Sample ID: 395239	Sample Dates: 10/27/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<0.00E+00	0.00E+00	0.00E+00
		Co-58	<9.89E+00	0.00E+00	9.89E+00
		Fe-59	<3.21E+01	0.00E+00	3.21E+01
		Co-60	<1.30E+01	0.00E+00	1.30E+01
		Zn-65	<3.51E+01	0.00E+00	3.51E+01
		Zr-95	<1.19E+01	0.00E+00	1.19E+01
		Nb-95	<1.92E+01	0.00E+00	1.92E+01
		I-131	<1.60E+01	0.00E+00	1.60E+01
		Cs-134	<1.76E+01	0.00E+00	1.76E+01
		Cs-137	<1.91E+01	0.00E+00	1.91E+01
		La-140	<5.50E+01	0.00E+00	5.50E+01
		Ba-140	<6.22E+01	0.00E+00	6.22E+01
		Total-Gam	0.00E+00		
Sample ID: 395808	Sample Dates: 11/3/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.01E+01	0.00E+00	1.01E+01
		Co-58	<1.49E+01	0.00E+00	1.49E+01
		Fe-59	<2.51E+01	0.00E+00	2.51E+01
		Co-60	<2.45E+01	0.00E+00	2.45E+01
		Zn-65	<2.53E+01	0.00E+00	2.53E+01
		Zr-95	<2.56E+01	0.00E+00	2.56E+01
		Nb-95	<2.19E+01	0.00E+00	2.19E+01
		I-131	<3.53E+01	0.00E+00	3.53E+01
		Cs-134	<1.12E+01	0.00E+00	1.12E+01
		Cs-137	<0.00E+00	0.00E+00	0.00E+00
		La-140	<6.93E+02	0.00E+00	6.93E+02
		Ba-140	<8.33E+01	0.00E+00	8.33E+01
		Total-Gam	0.00E+00		
Sample ID: 396080	Sample Dates: 11/11/2015 - 11/11/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.22E+01	0.00E+00	1.22E+01
		Co-58	<2.06E+01	0.00E+00	2.06E+01
		Fe-59	<1.70E+01	0.00E+00	1.70E+01
		Co-60	<1.31E+01	0.00E+00	1.31E+01
		Zn-65	<3.07E+01	0.00E+00	3.07E+01
		Zr-95	<2.49E+01	0.00E+00	2.49E+01
		Nb-95	<1.80E+01	0.00E+00	1.80E+01
		I-131	<2.59E+01	0.00E+00	2.59E+01
		Cs-134	<9.54E+00	0.00E+00	9.54E+00
		Cs-137	<1.79E+01	0.00E+00	1.79E+01
		La-140	<1.60E+02	0.00E+00	1.60E+02
		Ba-140	<4.71E+01	0.00E+00	4.71E+01
		Total-Gam	0.00E+00		



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 1065 [ INDICATOR - @ 0 miles ]

Sample ID:	396080	Sample Dates:	11/11/2015 - 11/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	397550	Sample Dates:	11/17/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.02E+01	0.00E+00	1.02E+01
				Co-58	<1.12E+01	0.00E+00	1.12E+01
				Fe-59	<2.92E+01	0.00E+00	2.92E+01
				Co-60	<1.61E+01	0.00E+00	1.61E+01
				Zn-65	<3.15E+01	0.00E+00	3.15E+01
				Zr-95	<1.37E+01	0.00E+00	1.37E+01
				Nb-95	<1.96E+01	0.00E+00	1.96E+01
				I-131	<6.10E+01	0.00E+00	6.10E+01
				Cs-134	<1.11E+01	0.00E+00	1.11E+01
				Cs-137	<1.36E+01	0.00E+00	1.36E+01
				La-140	<6.73E+03	0.00E+00	6.73E+03
				Ba-140	<1.09E+02	0.00E+00	1.09E+02
				Total-Gam	0.00E+00		
Sample ID:	397729	Sample Dates:	11/24/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<7.13E+00	0.00E+00	7.13E+00
				Co-58	<1.31E+01	0.00E+00	1.31E+01
				Fe-59	<2.56E+01	0.00E+00	2.56E+01
				Co-60	<1.45E+01	0.00E+00	1.45E+01
				Zn-65	<3.59E+01	0.00E+00	3.59E+01
				Zr-95	<2.59E+01	0.00E+00	2.59E+01
				Nb-95	<1.12E+01	0.00E+00	1.12E+01
				I-131	<2.10E+01	0.00E+00	2.10E+01
				Cs-134	<1.58E+01	0.00E+00	1.58E+01
				Cs-137	<1.92E+01	0.00E+00	1.92E+01
				La-140	<8.08E+02	0.00E+00	8.08E+02
				Ba-140	<6.72E+01	0.00E+00	6.72E+01
				Total-Gam	0.00E+00		
Sample ID:	398102	Sample Dates:	12/1/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<7.09E+00	0.00E+00	7.09E+00
				Co-58	<1.28E+01	0.00E+00	1.28E+01
				Fe-59	<3.03E+01	0.00E+00	3.03E+01
				Co-60	<1.31E+01	0.00E+00	1.31E+01
				Zn-65	<3.09E+01	0.00E+00	3.09E+01
				Zr-95	<2.53E+01	0.00E+00	2.53E+01
				Nb-95	<1.70E+01	0.00E+00	1.70E+01
				I-131	<2.62E+01	0.00E+00	2.62E+01
				Cs-134	<1.37E+01	0.00E+00	1.37E+01
				Cs-137	<1.79E+01	0.00E+00	1.79E+01
				La-140	<3.35E+02	0.00E+00	3.35E+02
				Ba-140	<6.70E+01	0.00E+00	6.70E+01
				Total-Gam	0.00E+00		
Sample ID:	398517	Sample Dates:	12/9/2015 - 12/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.23E+01	0.00E+00	1.23E+01
				Co-58	<1.64E+01	0.00E+00	1.64E+01
				Fe-59	<3.47E+01	0.00E+00	3.47E+01
				Co-60	<1.31E+01	0.00E+00	1.31E+01
				Zn-65	<3.08E+01	0.00E+00	3.08E+01
				Zr-95	<3.33E+01	0.00E+00	3.33E+01
				Nb-95	<1.84E+01	0.00E+00	1.84E+01
				I-131	<2.86E+01	0.00E+00	2.86E+01
				Cs-134	<1.46E+01	0.00E+00	1.46E+01
				Cs-137	<1.35E+01	0.00E+00	1.35E+01
				La-140	<7.43E+02	0.00E+00	7.43E+02
				Ba-140	<5.78E+01	0.00E+00	5.78E+01
				Total-Gam	0.00E+00		
Sample ID:	399035	Sample Dates:	12/15/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.44E+01	0.00E+00	1.44E+01





**BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)**

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

Sample Point 1065 [ INDICATOR - @ 0 miles ]

Sample ID:	399035	Sample Dates:	12/15/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				Co-58	<1.36E+01	0.00E+00	1.36E+01
				Fe-59	<3.33E+01	0.00E+00	3.33E+01
				Co-60	<1.31E+01	0.00E+00	1.31E+01
				Zn-65	<4.44E+01	0.00E+00	4.44E+01
				Zr-95	<1.91E+01	0.00E+00	1.91E+01
				Nb-95	<2.42E+01	0.00E+00	2.42E+01
				I-131	<6.20E+01	0.00E+00	6.20E+01
				Cs-134	<1.75E+01	0.00E+00	1.75E+01
				Cs-137	<1.51E+01	0.00E+00	1.51E+01
				La-140	<3.98E+03	0.00E+00	3.98E+03
				Ba-140	<9.26E+01	0.00E+00	9.26E+01
				Total-Gam	0.00E+00		

Sample ID:	399048	Sample Dates:	12/23/2015 - 12/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.61E+01	0.00E+00	1.61E+01
				Co-58	<1.11E+01	0.00E+00	1.11E+01
				Fe-59	<4.06E+01	0.00E+00	4.06E+01
				Co-60	<9.26E+00	0.00E+00	9.26E+00
				Zn-65	<3.63E+01	0.00E+00	3.63E+01
				Zr-95	<3.31E+01	0.00E+00	3.31E+01
				Nb-95	<1.49E+01	0.00E+00	1.49E+01
				I-131	<5.09E+01	0.00E+00	5.09E+01
				Cs-134	<1.38E+01	0.00E+00	1.38E+01
				Cs-137	<1.79E+01	0.00E+00	1.79E+01
				La-140	<1.04E+04	0.00E+00	1.04E+04
				Ba-140	<1.10E+02	0.00E+00	1.10E+02
				Total-Gam	0.00E+00		

Sample ID:	399143	Sample Dates:	12/29/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.88E+01	0.00E+00	1.88E+01
				Co-58	<1.66E+01	0.00E+00	1.66E+01
				Fe-59	<2.48E+01	0.00E+00	2.48E+01
				Co-60	<1.31E+01	0.00E+00	1.31E+01
				Zn-65	<3.57E+01	0.00E+00	3.57E+01
				Zr-95	<4.01E+01	0.00E+00	4.01E+01
				Nb-95	<1.52E+01	0.00E+00	1.52E+01
				I-131	<2.48E+01	0.00E+00	2.48E+01
				Cs-134	<7.80E+00	0.00E+00	7.80E+00
				Cs-137	<1.51E+01	0.00E+00	1.51E+01
				La-140	<4.83E+02	0.00E+00	4.83E+02
				Ba-140	<7.35E+01	0.00E+00	7.35E+01
				Total-Gam	0.00E+00		

Sample Point 1066 [ INDICATOR - @ 0 miles ]

Sample ID:	379557	Sample Dates:	1/6/2015 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379558	Sample Dates:	1/13/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379559	Sample Dates:	1/19/2015 - 1/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379560	Sample Dates:	1/26/2015 - 1/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379561	Sample Dates:	2/3/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379562	Sample Dates:	2/11/2015 - 2/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		



**BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)**

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

Sample Point 1066 [ INDICATOR - @ 0 miles ]

Sample ID:	379563	Sample Dates:	2/18/2015 - 2/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379564	Sample Dates:	2/25/2015 - 2/25/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379565	Sample Dates:	3/4/2015 - 3/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379566	Sample Dates:	3/10/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379567	Sample Dates:	3/18/2015 - 3/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379568	Sample Dates:	3/24/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379569	Sample Dates:	3/31/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379570	Sample Dates:	4/7/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379571	Sample Dates:	4/15/2015 - 4/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	378634	Sample Dates:	4/21/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.01E+01	0.00E+00	1.01E+01
				Co-58	<7.77E+00	0.00E+00	7.77E+00
				Fe-59	<2.82E+01	0.00E+00	2.82E+01
				Co-60	<9.26E+00	0.00E+00	9.26E+00
				Zn-65	<1.81E+01	0.00E+00	1.81E+01
				Zr-95	<1.89E+01	0.00E+00	1.89E+01
				Nb-95	<2.06E+01	0.00E+00	2.06E+01
				I-131	<4.85E+01	0.00E+00	4.85E+01
				Cs-134	<1.47E+01	0.00E+00	1.47E+01
				Cs-137	<1.92E+01	0.00E+00	1.92E+01
				La-140	<3.79E+03	0.00E+00	3.79E+03
				Ba-140	<6.81E+01	0.00E+00	6.81E+01
				Total-Gam	0.00E+00		
Sample ID:	379098	Sample Dates:	4/29/2015 - 4/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.60E+01	0.00E+00	1.60E+01
				Co-58	<1.35E+01	0.00E+00	1.35E+01
				Fe-59	<2.68E+01	0.00E+00	2.68E+01
				Co-60	<1.31E+01	0.00E+00	1.31E+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	<1.46E+01	0.00E+00	1.46E+01
				I-131	<5.28E+01	0.00E+00	5.28E+01
				Cs-134	<9.60E+00	0.00E+00	9.60E+00
				Cs-137	<1.17E+01	0.00E+00	1.17E+01
				La-140	<4.05E+03	0.00E+00	4.05E+03
				Ba-140	<1.19E+02	0.00E+00	1.19E+02
				Total-Gam	0.00E+00		
Sample ID:	379545	Sample Dates:	5/6/2015 - 5/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.43E+01	0.00E+00	1.43E+01
				Co-58	<1.33E+01	0.00E+00	1.33E+01
				Fe-59	<2.78E+01	0.00E+00	2.78E+01
				Co-60	<1.60E+01	0.00E+00	1.60E+01
				Zn-65	<2.55E+01	0.00E+00	2.55E+01
				Zr-95	<2.29E+01	0.00E+00	2.29E+01
				Nb-95	<1.43E+01	0.00E+00	1.43E+01
				I-131	<3.89E+01	0.00E+00	3.89E+01

# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 1066 [ INDICATOR - @ 0 miles ]

Sample ID: 379545	Sample Dates: 5/6/2015 - 5/6/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-134	<1.36E+01	0.00E+00	1.36E+01
		Cs-137	<9.58E+00	0.00E+00	9.58E+00
		La-140	<2.48E+03	0.00E+00	2.48E+03
		Ba-140	<7.44E+01	0.00E+00	7.44E+01
		Total-Gam	0.00E+00		
Sample ID: 379694	Sample Dates: 5/12/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.59E+01	0.00E+00	1.59E+01
		Co-58	<1.49E+01	0.00E+00	1.49E+01
		Fe-59	<2.51E+01	0.00E+00	2.51E+01
		Co-60	<1.60E+01	0.00E+00	1.60E+01
		Zn-65	<2.53E+01	0.00E+00	2.53E+01
		Zr-95	<3.62E+01	0.00E+00	3.62E+01
		Nb-95	<1.73E+01	0.00E+00	1.73E+01
		I-131	<3.53E+01	0.00E+00	3.53E+01
		Cs-134	<1.35E+01	0.00E+00	1.35E+01
		Cs-137	<9.58E+00	0.00E+00	9.58E+00
		La-140	<1.09E+03	0.00E+00	1.09E+03
		Ba-140	<7.70E+01	0.00E+00	7.70E+01
		Total-Gam	0.00E+00		
Sample ID: 380595	Sample Dates: 5/19/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.90E+01	0.00E+00	1.90E+01
		Co-58	<7.84E+00	0.00E+00	7.84E+00
		Fe-59	<2.72E+01	0.00E+00	2.72E+01
		Co-60	<1.31E+01	0.00E+00	1.31E+01
		Zn-65	<3.63E+01	0.00E+00	3.63E+01
		Zr-95	<2.33E+01	0.00E+00	2.33E+01
		Nb-95	<8.57E+00	0.00E+00	8.57E+00
		I-131	<4.38E+01	0.00E+00	4.38E+01
		Cs-134	<1.57E+01	0.00E+00	1.57E+01
		Cs-137	<9.58E+00	0.00E+00	9.58E+00
		La-140	<7.78E+03	0.00E+00	7.78E+03
		Ba-140	<1.31E+02	0.00E+00	1.31E+02
		Total-Gam	0.00E+00		
Sample ID: 380743	Sample Dates: 5/26/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.01E+01	0.00E+00	1.01E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<4.60E+01	0.00E+00	4.60E+01
		Co-60	<1.45E+01	0.00E+00	1.45E+01
		Zn-65	<1.79E+01	0.00E+00	1.79E+01
		Zr-95	<1.81E+01	0.00E+00	1.81E+01
		Nb-95	<2.33E+01	0.00E+00	2.33E+01
		I-131	<4.06E+01	0.00E+00	4.06E+01
		Cs-134	<1.35E+01	0.00E+00	1.35E+01
		Cs-137	<1.79E+01	0.00E+00	1.79E+01
		La-140	<1.04E+03	0.00E+00	1.04E+03
		Ba-140	<7.77E+01	0.00E+00	7.77E+01
		Total-Gam	0.00E+00		
Sample ID: 380943	Sample Dates: 6/2/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.41E+01	0.00E+00	1.41E+01
		Co-58	<1.63E+01	0.00E+00	1.63E+01
		Fe-59	<2.54E+01	0.00E+00	2.54E+01
		Co-60	<1.31E+01	0.00E+00	1.31E+01
		Zn-65	<3.97E+01	0.00E+00	3.97E+01
		Zr-95	<1.76E+01	0.00E+00	1.76E+01
		Nb-95	<1.27E+01	0.00E+00	1.27E+01
		I-131	<1.99E+01	0.00E+00	1.99E+01
		Cs-134	<1.46E+01	0.00E+00	1.46E+01
		Cs-137	<1.35E+01	0.00E+00	1.35E+01
		La-140	<1.63E+02	0.00E+00	1.63E+02
		Ba-140	<7.21E+01	0.00E+00	7.21E+01
		Total-Gam	0.00E+00		



**BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)**

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

Sample Point 1066 [ INDICATOR - @ 0 miles ]

Sample ID:	380943	Sample Dates:	6/2/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	381451	Sample Dates:	6/9/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.23E+01	0.00E+00	1.23E+01
				Co-58	<1.06E+01	0.00E+00	1.06E+01
				Fe-59	<4.70E+01	0.00E+00	4.70E+01
				Co-60	<1.77E+01	0.00E+00	1.77E+01
				Zn-65	<1.79E+01	0.00E+00	1.79E+01
				Zr-95	<3.13E+01	0.00E+00	3.13E+01
				Nb-95	<7.74E+00	0.00E+00	7.74E+00
				I-131	<3.12E+01	0.00E+00	3.12E+01
				Cs-134	<7.91E+00	0.00E+00	7.91E+00
				Cs-137	<1.35E+01	0.00E+00	1.35E+01
				La-140	<1.09E+03	0.00E+00	1.09E+03
				Ba-140	<8.88E+01	0.00E+00	8.88E+01
				Total-Gam	0.00E+00		
Sample ID:	381767	Sample Dates:	6/16/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.23E+01	0.00E+00	1.23E+01
				Co-58	<1.81E+01	0.00E+00	1.82E+01
				Fe-59	<1.76E+01	0.00E+00	1.76E+01
				Co-60	<1.02E+01	0.00E+00	1.02E+01
				Zn-65	<3.57E+01	0.00E+00	3.57E+01
				Zr-95	<2.54E+01	0.00E+00	2.54E+01
				Nb-95	<1.71E+01	0.00E+00	1.71E+01
				I-131	<3.06E+01	0.00E+00	3.06E+01
				Cs-134	<7.90E+00	0.00E+00	7.90E+00
				Cs-137	<2.03E+01	0.00E+00	2.03E+01
				La-140	<6.21E+02	0.00E+00	6.21E+02
				Ba-140	<8.54E+01	0.00E+00	8.54E+01
				Total-Gam	0.00E+00		
Sample ID:	381970	Sample Dates:	6/23/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<9.89E+00	0.00E+00	9.89E+00
				Co-58	<1.00E+02	0.00E+00	1.00E+02
				Fe-59	<2.25E+01	0.00E+00	2.25E+01
				Co-60	<1.02E+01	0.00E+00	1.02E+01
				Zn-65	<3.92E+01	0.00E+00	3.92E+01
				Zr-95	<1.67E+01	0.00E+00	1.67E+01
				Nb-95	<1.65E+01	0.00E+00	1.65E+01
				I-131	<1.77E+01	0.00E+00	1.77E+01
				Cs-134	<1.36E+01	0.00E+00	1.36E+01
				Cs-137	<9.57E+00	0.00E+00	9.57E+00
				La-140	<2.56E+01	0.00E+00	2.56E+01
				Ba-140	<4.27E+01	0.00E+00	4.27E+01
				Total-Gam	0.00E+00		
Sample ID:	382351	Sample Dates:	6/30/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.21E+01	0.00E+00	1.21E+01
				Co-58	<1.55E+01	0.00E+00	1.55E+01
				Fe-59	<2.23E+01	0.00E+00	2.23E+01
				Co-60	<1.60E+01	0.00E+00	1.60E+01
				Zn-65	<2.47E+01	0.00E+00	2.47E+01
				Zr-95	<2.87E+01	0.00E+00	2.87E+01
				Nb-95	<9.42E+00	0.00E+00	9.42E+00
				I-131	<1.69E+01	0.00E+00	1.69E+01
				Cs-134	<1.57E+01	0.00E+00	1.57E+01
				Cs-137	<1.66E+01	0.00E+00	1.66E+01
				La-140	<3.59E+01	0.00E+00	3.59E+01
				Ba-140	<6.24E+01	0.00E+00	6.24E+01
				Total-Gam	0.00E+00		
Sample ID:	383477	Sample Dates:	7/7/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<2.03E+01	0.00E+00	2.03E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 1066 [ INDICATOR - @ 0 miles ]

Sample ID: 383477	Sample Dates: 7/7/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		Co-58	<2.07E+01	0.00E+00	2.07E+01
		Fe-59	<4.95E+01	0.00E+00	4.95E+01
		Co-60	<1.85E+01	0.00E+00	1.85E+01
		Zn-65	<3.63E+01	0.00E+00	3.63E+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	<4.08E+01	0.00E+00	4.08E+01
		Cs-134	<1.36E+01	0.00E+00	1.36E+01
		Cs-137	<1.36E+01	0.00E+00	1.35E+01
		La-140	<6.48E+03	0.00E+00	6.48E+03
		Ba-140	<7.11E+01	0.00E+00	7.11E+01
		Total-Gam	0.00E+00		

Sample ID: 383961	Sample Dates: 7/14/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.59E+01	0.00E+00	1.59E+01
		Co-58	<1.66E+01	0.00E+00	1.66E+01
		Fe-59	<3.04E+01	0.00E+00	3.04E+01
		Co-60	<1.60E+01	0.00E+00	1.60E+01
		Zn-65	<3.09E+01	0.00E+00	3.09E+01
		Zr-95	<3.09E+01	0.00E+00	3.09E+01
		Nb-95	<1.32E+01	0.00E+00	1.32E+01
		I-131	<3.17E+01	0.00E+00	3.17E+01
		Cs-134	<1.12E+01	0.00E+00	1.12E+01
		Cs-137	<1.51E+01	0.00E+00	1.51E+01
		La-140	<7.83E+02	0.00E+00	7.83E+02
		Ba-140	<6.01E+01	0.00E+00	6.01E+01
		Total-Gam	0.00E+00		

Sample ID: 384789	Sample Dates: 7/22/2015 - 7/22/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.73E+01	0.00E+00	1.73E+01
		Co-58	<1.25E+01	0.00E+00	1.25E+01
		Fe-59	<1.69E+01	0.00E+00	1.69E+01
		Co-60	<2.05E+01	0.00E+00	2.05E+01
		Zn-65	<4.34E+01	0.00E+00	4.34E+01
		Zr-95	<3.50E+01	0.00E+00	3.50E+01
		Nb-95	<2.31E+01	0.00E+00	2.31E+01
		I-131	<3.07E+01	0.00E+00	3.07E+01
		Cs-134	<1.35E+01	0.00E+00	1.35E+01
		Cs-137	<1.92E+01	0.00E+00	1.92E+01
		La-140	<1.36E+02	0.00E+00	1.36E+02
		Ba-140	<5.32E+01	0.00E+00	5.32E+01
		Total-Gam	0.00E+00		

Sample ID: 384884	Sample Dates: 7/28/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<9.86E+00	0.00E+00	9.86E+00
		Co-58	<1.81E+01	0.00E+00	1.81E+01
		Fe-59	<3.11E+01	0.00E+00	3.11E+01
		Co-60	<1.60E+01	0.00E+00	1.60E+01
		Zn-65	<3.02E+01	0.00E+00	3.02E+01
		Zr-95	<2.84E+01	0.00E+00	2.84E+01
		Nb-95	<1.13E+01	0.00E+00	1.13E+01
		I-131	<1.34E+01	0.00E+00	1.34E+01
		Cs-134	<1.45E+01	0.00E+00	1.45E+01
		Cs-137	<1.35E+01	0.00E+00	1.35E+01
		La-140	<2.89E+01	0.00E+00	2.89E+01
		Ba-140	<5.91E+01	0.00E+00	5.91E+01
		Total-Gam	0.00E+00		

Sample ID: 386034	Sample Dates: 8/4/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<2.23E+01	0.00E+00	2.23E+01
		Co-58	<1.78E+01	0.00E+00	1.78E+01
		Fe-59	<1.70E+01	0.00E+00	1.70E+01
		Co-60	<1.31E+01	0.00E+00	1.31E+01
		Zn-65	<3.07E+01	0.00E+00	3.07E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 1066 [ INDICATOR - @ 0 miles ]

Sample ID: 386034	Sample Dates: 8/4/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
		Zr-95	<3.28E+01	0.00E+00	3.28E+01
		Nb-95	<2.07E+01	0.00E+00	2.07E+01
		I-131	<2.09E+01	0.00E+00	2.09E+01
		Cs-134	<7.79E+00	0.00E+00	7.79E+00
		Cs-137	<1.92E+01	0.00E+00	1.92E+01
		La-140	<2.08E+02	0.00E+00	2.08E+02
		Ba-140	<2.69E+01	0.00E+00	2.69E+01
		Total-Gam	0.00E+00		
Sample ID: 386300	Sample Dates: 8/11/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<6.99E+00	0.00E+00	6.99E+00
		Co-58	<1.83E+01	0.00E+00	1.83E+01
		Fe-59	<1.58E+01	0.00E+00	1.58E+01
		Co-60	<1.45E+01	0.00E+00	1.45E+01
		Zn-65	<3.03E+01	0.00E+00	3.03E+01
		Zr-95	<2.49E+01	0.00E+00	2.49E+01
		Nb-95	<9.42E+00	0.00E+00	9.42E+00
		I-131	<1.69E+01	0.00E+00	1.69E+01
		Cs-134	<1.45E+01	0.00E+00	1.45E+01
		Cs-137	<1.66E+01	0.00E+00	1.66E+01
		La-140	<2.93E+01	0.00E+00	2.93E+01
		Ba-140	<3.60E+01	0.00E+00	3.60E+01
		Total-Gam	0.00E+00		
Sample ID: 387255	Sample Dates: 8/18/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.56E+01	0.00E+00	1.56E+01
		Co-58	<1.21E+01	0.00E+00	1.21E+01
		Fe-59	<2.76E+01	0.00E+00	2.76E+01
		Co-60	<1.60E+01	0.00E+00	1.60E+01
		Zn-65	<3.51E+01	0.00E+00	3.51E+01
		Zr-95	<2.37E+01	0.00E+00	2.37E+01
		Nb-95	<1.79E+01	0.00E+00	1.79E+01
		I-131	<1.72E+01	0.00E+00	1.72E+01
		Cs-134	<1.36E+01	0.00E+00	1.36E+01
		Cs-137	<1.51E+01	0.00E+00	1.51E+01
		La-140	<3.92E+01	0.00E+00	3.92E+01
		Ba-140	<7.48E+01	0.00E+00	7.48E+01
		Total-Gam	0.00E+00		
Sample ID: 388443	Sample Dates: 8/26/2015 - 8/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.87E+01	0.00E+00	1.87E+01
		Co-58	<1.02E+01	0.00E+00	1.02E+01
		Fe-59	<3.54E+01	0.00E+00	3.54E+01
		Co-60	<1.02E+01	0.00E+00	1.02E+01
		Zn-65	<3.96E+01	0.00E+00	3.96E+01
		Zr-95	<2.75E+01	0.00E+00	2.75E+01
		Nb-95	<1.44E+01	0.00E+00	1.44E+01
		I-131	<2.08E+01	0.00E+00	2.08E+01
		Cs-134	<7.88E+00	0.00E+00	7.88E+00
		Cs-137	<1.35E+01	0.00E+00	1.35E+01
		La-140	<1.57E+02	0.00E+00	1.57E+02
		Ba-140	<8.59E+01	0.00E+00	8.59E+01
		Total-Gam	0.00E+00		
Sample ID: 389509	Sample Dates: 9/1/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.88E+01	0.00E+00	1.88E+01
		Co-58	<1.05E+01	0.00E+00	1.05E+01
		Fe-59	<4.29E+01	0.00E+00	4.29E+01
		Co-60	<1.31E+01	0.00E+00	1.31E+01
		Zn-65	<1.78E+01	0.00E+00	1.78E+01
		Zr-95	<1.55E+01	0.00E+00	1.55E+01
		Nb-95	<1.86E+01	0.00E+00	1.86E+01
		I-131	<3.26E+01	0.00E+00	3.26E+01
		Cs-134	<1.83E+01	0.00E+00	1.83E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 1066 [ INDICATOR - @ 0 miles ]

Sample ID: 389509	Sample Dates: 9/1/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-137	<1.35E+01	0.00E+00	1.35E+01
		La-140	<5.74E+02	0.00E+00	5.74E+02
		Ba-140	<5.18E+01	0.00E+00	5.18E+01
		Total-Gam	0.00E+00		
Sample ID: 390135	Sample Dates: 9/9/2015 - 9/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.00E+01	0.00E+00	1.00E+01
		Co-58	<1.64E+01	0.00E+00	1.64E+01
		Fe-59	<3.88E+01	0.00E+00	3.88E+01
		Co-60	<1.85E+01	0.00E+00	1.85E+01
		Zn-65	<3.98E+01	0.00E+00	3.98E+01
		Zr-95	<2.52E+01	0.00E+00	2.52E+01
		Nb-95	<1.68E+01	0.00E+00	1.68E+01
		I-131	<2.74E+01	0.00E+00	2.74E+01
		Cs-134	<1.58E+01	0.00E+00	1.58E+01
		Cs-137	<1.17E+01	0.00E+00	1.17E+01
		La-140	<2.59E+02	0.00E+00	2.59E+02
		Ba-140	<5.01E+01	0.00E+00	5.01E+01
		Total-Gam	0.00E+00		
Sample ID: 390867	Sample Dates: 9/15/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<7.08E+00	0.00E+00	7.07E+00
		Co-58	<1.46E+01	0.00E+00	1.46E+01
		Fe-59	<2.43E+01	0.00E+00	2.43E+01
		Co-60	<1.31E+01	0.00E+00	1.31E+01
		Zn-65	<1.78E+01	0.00E+00	1.78E+01
		Zr-95	<1.77E+01	0.00E+00	1.77E+01
		Nb-95	<1.05E+01	0.00E+00	1.05E+01
		I-131	<3.36E+01	0.00E+00	3.36E+01
		Cs-134	<1.74E+01	0.00E+00	1.74E+01
		Cs-137	<1.79E+01	0.00E+00	1.79E+01
		La-140	<4.19E+02	0.00E+00	4.19E+02
		Ba-140	<7.45E+01	0.00E+00	7.45E+01
		Total-Gam	0.00E+00		
Sample ID: 392089	Sample Dates: 9/22/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.22E+01	0.00E+00	1.22E+01
		Co-58	<1.26E+01	0.00E+00	1.26E+01
		Fe-59	<2.94E+01	0.00E+00	2.94E+01
		Co-60	<1.45E+01	0.00E+00	1.45E+01
		Zn-65	<3.96E+01	0.00E+00	3.96E+01
		Zr-95	<3.28E+01	0.00E+00	3.28E+01
		Nb-95	<1.94E+01	0.00E+00	1.94E+01
		I-131	<2.56E+01	0.00E+00	2.56E+01
		Cs-134	<1.35E+01	0.00E+00	1.35E+01
		Cs-137	<1.66E+01	0.00E+00	1.66E+01
		La-140	<2.40E+02	0.00E+00	2.40E+02
		Ba-140	<8.94E+01	0.00E+00	8.94E+01
		Total-Gam	0.00E+00		
Sample ID: 392571	Sample Dates: 9/29/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.41E+01	0.00E+00	1.41E+01
		Co-58	<1.26E+01	0.00E+00	1.26E+01
		Fe-59	<4.17E+01	0.00E+00	4.17E+01
		Co-60	<1.45E+01	0.00E+00	1.45E+01
		Zn-65	<3.55E+01	0.00E+00	3.55E+01
		Zr-95	<3.04E+01	0.00E+00	3.04E+01
		Nb-95	<2.20E+01	0.00E+00	2.20E+01
		I-131	<2.35E+01	0.00E+00	2.35E+01
		Cs-134	<1.23E+01	0.00E+00	1.23E+01
		Cs-137	<1.51E+01	0.00E+00	1.51E+01
		La-140	<1.55E+02	0.00E+00	1.55E+02
		Ba-140	<8.98E+01	0.00E+00	8.98E+01
		Total-Gam	0.00E+00		



**BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)**

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

Sample Point 1066 [ INDICATOR - @ 0 miles ]

Sample ID: 394944	Sample Dates: 10/7/2015 - 10/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.46E+01	0.00E+00	1.46E+01
		Co-58	<1.18E+01	0.00E+00	1.18E+01
		Fe-59	<3.15E+01	0.00E+00	3.15E+01
		Co-60	<2.06E+01	0.00E+00	2.06E+01
		Zn-65	<0.00E+00	0.00E+00	0.00E+00
		Zr-95	<2.89E+01	0.00E+00	2.89E+01
		Nb-95	<1.94E+01	0.00E+00	1.94E+01
		I-131	<9.30E+01	0.00E+00	9.30E+01
		Cs-134	<1.13E+01	0.00E+00	1.13E+01
		Cs-137	<9.59E+00	0.00E+00	9.59E+00
		La-140	<1.15E+05	0.00E+00	1.15E+05
		Ba-140	<1.64E+02	0.00E+00	1.64E+02
		Total-Gam	0.00E+00		
Sample ID: 395056	Sample Dates: 10/13/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.61E+01	0.00E+00	1.61E+01
		Co-58	<1.38E+01	0.00E+00	1.38E+01
		Fe-59	<2.92E+01	0.00E+00	2.92E+01
		Co-60	<1.78E+01	0.00E+00	1.78E+01
		Zn-65	<3.15E+01	0.00E+00	3.15E+01
		Zr-95	<3.36E+01	0.00E+00	3.36E+01
		Nb-95	<2.64E+01	0.00E+00	2.64E+01
		I-131	<6.12E+01	0.00E+00	6.12E+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	<6.83E+03	0.00E+00	6.83E+03
		Ba-140	<8.89E+01	0.00E+00	8.89E+01
		Total-Gam	0.00E+00		
Sample ID: 395210	Sample Dates: 10/20/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.59E+01	0.00E+00	1.59E+01
		Co-58	<1.49E+01	0.00E+00	1.49E+01
		Fe-59	<2.51E+01	0.00E+00	2.51E+01
		Co-60	<1.45E+01	0.00E+00	1.45E+01
		Zn-65	<4.73E+01	0.00E+00	4.73E+01
		Zr-95	<3.49E+01	0.00E+00	3.49E+01
		Nb-95	<1.55E+01	0.00E+00	1.55E+01
		I-131	<3.91E+01	0.00E+00	3.91E+01
		Cs-134	<1.35E+01	0.00E+00	1.35E+01
		Cs-137	<1.79E+01	0.00E+00	1.79E+01
		La-140	<8.65E+02	0.00E+00	8.65E+02
		Ba-140	<8.92E+01	0.00E+00	8.92E+01
		Total-Gam	0.00E+00		
Sample ID: 395240	Sample Dates: 10/27/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.22E+01	0.00E+00	1.22E+01
		Co-58	<7.26E+00	0.00E+00	7.26E+00
		Fe-59	<2.53E+01	0.00E+00	2.53E+01
		Co-60	<2.07E+01	0.00E+00	2.07E+01
		Zn-65	<3.07E+01	0.00E+00	3.07E+01
		Zr-95	<2.15E+01	0.00E+00	2.15E+01
		Nb-95	<2.32E+01	0.00E+00	2.32E+01
		I-131	<1.48E+01	0.00E+00	1.48E+01
		Cs-134	<7.89E+00	0.00E+00	7.89E+00
		Cs-137	<9.58E+00	0.00E+00	9.58E+00
		La-140	<1.52E+02	0.00E+00	1.52E+02
		Ba-140	<7.64E+01	0.00E+00	7.64E+01
		Total-Gam	0.00E+00		
Sample ID: 395809	Sample Dates: 11/3/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<2.01E+01	0.00E+00	2.01E+01
		Co-58	<1.65E+01	0.00E+00	1.65E+01
		Fe-59	<2.61E+01	0.00E+00	2.61E+01
		Co-60	<1.31E+01	0.00E+00	1.31E+01





# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 1066 [ INDICATOR - @ 0 miles ]

Sample ID: 395809	Sample Dates: 11/3/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
		Zn-65	<3.99E+01	0.00E+00	3.99E+01
		Zr-95	<2.53E+01	0.00E+00	2.53E+01
		Nb-95	<1.52E+01	0.00E+00	1.52E+01
		I-131	<2.77E+01	0.00E+00	2.77E+01
		Cs-134	<1.12E+01	0.00E+00	1.12E+01
		Cs-137	<1.35E+01	0.00E+00	1.35E+01
		La-140	<6.07E+02	0.00E+00	6.07E+02
		Ba-140	<7.35E+01	0.00E+00	7.35E+01
		Total-Gam	0.00E+00		
Sample ID: 396081	Sample Dates: 11/11/2015 - 11/11/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.22E+01	0.00E+00	1.22E+01
		Co-58	<1.78E+01	0.00E+00	1.78E+01
		Fe-59	<1.70E+01	0.00E+00	1.70E+01
		Co-60	<1.31E+01	0.00E+00	1.31E+01
		Zn-65	<4.35E+01	0.00E+00	4.35E+01
		Zr-95	<1.52E+01	0.00E+00	1.52E+01
		Nb-95	<1.27E+01	0.00E+00	1.27E+01
		I-131	<2.99E+01	0.00E+00	2.99E+01
		Cs-134	<1.65E+01	0.00E+00	1.65E+01
		Cs-137	<1.35E+01	0.00E+00	1.35E+01
		La-140	<2.78E+02	0.00E+00	2.78E+02
		Ba-140	<6.66E+01	0.00E+00	6.66E+01
Sample ID: 397551	Sample Dates: 11/17/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.62E+01	0.00E+00	1.62E+01
		Co-58	<1.60E+01	0.00E+00	1.60E+01
		Fe-59	<1.99E+01	0.00E+00	1.99E+01
		Co-60	<1.31E+01	0.00E+00	1.31E+01
		Zn-65	<4.08E+01	0.00E+00	4.08E+01
		Zr-95	<2.93E+01	0.00E+00	2.93E+01
		Nb-95	<2.19E+01	0.00E+00	2.19E+01
		I-131	<5.88E+01	0.00E+00	5.88E+01
		Cs-134	<1.11E+01	0.00E+00	1.11E+01
		Cs-137	<1.66E+01	0.00E+00	1.66E+01
		La-140	<1.75E+04	0.00E+00	1.75E+04
		Ba-140	<8.10E+01	0.00E+00	8.10E+01
Sample ID: 397730	Sample Dates: 11/24/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.01E+01	0.00E+00	1.01E+01
		Co-58	<7.56E+00	0.00E+00	7.55E+00
		Fe-59	<3.14E+01	0.00E+00	3.14E+01
		Co-60	<1.45E+01	0.00E+00	1.45E+01
		Zn-65	<4.01E+01	0.00E+00	4.01E+01
		Zr-95	<2.74E+01	0.00E+00	2.74E+01
		Nb-95	<1.95E+01	0.00E+00	1.95E+01
		I-131	<3.48E+01	0.00E+00	3.48E+01
		Cs-134	<1.11E+01	0.00E+00	1.11E+01
		Cs-137	<1.66E+01	0.00E+00	1.66E+01
		La-140	<1.62E+03	0.00E+00	1.62E+03
		Ba-140	<9.51E+01	0.00E+00	9.51E+01
Sample ID: 398103	Sample Dates: 12/1/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.59E+01	0.00E+00	1.59E+01
		Co-58	<1.49E+01	0.00E+00	1.49E+01
		Fe-59	<2.51E+01	0.00E+00	2.51E+01
		Co-60	<1.45E+01	0.00E+00	1.45E+01
		Zn-65	<3.10E+01	0.00E+00	3.10E+01
		Zr-95	<1.28E+01	0.00E+00	1.28E+01
		Nb-95	<2.32E+01	0.00E+00	2.32E+01
		I-131	<3.11E+01	0.00E+00	3.11E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 1066 [ INDICATOR - @ 0 miles ]

Sample ID: 398103	Sample Dates: 12/1/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-134	<1.23E+01	0.00E+00	1.23E+01
		Cs-137	<1.35E+01	0.00E+00	1.35E+01
		La-140	<1.25E+03	0.00E+00	1.25E+03
		Ba-140	<8.29E+01	0.00E+00	8.29E+01
		Total-Gam	0.00E+00		
Sample ID: 398518	Sample Dates: 12/9/2015 - 12/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.23E+01	0.00E+00	1.23E+01
		Co-58	<1.48E+01	0.00E+00	1.48E+01
		Fe-59	<3.51E+01	0.00E+00	3.51E+01
		Co-60	<1.85E+01	0.00E+00	1.85E+01
		Zn-65	<4.72E+01	0.00E+00	4.72E+01
		Zr-95	<2.84E+01	0.00E+00	2.84E+01
		Nb-95	<2.02E+01	0.00E+00	2.02E+01
		I-131	<2.92E+01	0.00E+00	2.92E+01
		Cs-134	<1.35E+01	0.00E+00	1.35E+01
		Cs-137	<2.14E+01	0.00E+00	2.14E+01
		La-140	<6.03E+02	0.00E+00	6.03E+02
		Ba-140	<7.37E+01	0.00E+00	7.37E+01
		Total-Gam	0.00E+00		
Sample ID: 399036	Sample Dates: 12/15/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.61E+01	0.00E+00	1.61E+01
		Co-58	<1.11E+01	0.00E+00	1.11E+01
		Fe-59	<1.93E+01	0.00E+00	1.93E+01
		Co-60	<1.31E+01	0.00E+00	1.31E+01
		Zn-65	<4.06E+01	0.00E+00	4.06E+01
		Zr-95	<2.34E+01	0.00E+00	2.34E+01
		Nb-95	<2.27E+01	0.00E+00	2.27E+01
		I-131	<5.35E+01	0.00E+00	5.35E+01
		Cs-134	<1.36E+01	0.00E+00	1.36E+01
		Cs-137	<9.58E+00	0.00E+00	9.58E+00
		La-140	<6.04E+03	0.00E+00	6.04E+03
		Ba-140	<1.02E+02	0.00E+00	1.02E+02
		Total-Gam	0.00E+00		
Sample ID: 399049	Sample Dates: 12/23/2015 - 12/23/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.44E+01	0.00E+00	1.44E+01
		Co-58	<1.93E+01	0.00E+00	1.93E+01
		Fe-59	<4.31E+01	0.00E+00	4.31E+01
		Co-60	<1.31E+01	0.00E+00	1.31E+01
		Zn-65	<3.14E+01	0.00E+00	3.14E+01
		Zr-95	<1.92E+01	0.00E+00	1.92E+01
		Nb-95	<2.28E+01	0.00E+00	2.28E+01
		I-131	<3.93E+01	0.00E+00	3.93E+01
		Cs-134	<1.75E+01	0.00E+00	1.75E+01
		Cs-137	<1.66E+01	0.00E+00	1.66E+01
		La-140	<1.04E+04	0.00E+00	1.04E+04
		Ba-140	<9.36E+01	0.00E+00	9.36E+01
		Total-Gam	0.00E+00		
Sample ID: 399144	Sample Dates: 12/29/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<2.01E+01	0.00E+00	2.01E+01
		Co-58	<1.48E+01	0.00E+00	1.48E+01
		Fe-59	<2.62E+01	0.00E+00	2.62E+01
		Co-60	<1.02E+01	0.00E+00	1.02E+01
		Zn-65	<2.52E+01	0.00E+00	2.52E+01
		Zr-95	<2.54E+01	0.00E+00	2.54E+01
		Nb-95	<1.08E+01	0.00E+00	1.08E+01
		I-131	<2.80E+01	0.00E+00	2.80E+01
		Cs-134	<1.37E+01	0.00E+00	1.37E+01
		Cs-137	<1.66E+01	0.00E+00	1.66E+01
		La-140	<5.07E+02	0.00E+00	5.07E+02
		Ba-140	<7.40E+01	0.00E+00	7.40E+01
		Total-Gam	0.00E+00		



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 1066 [ INDICATOR - @ 0 miles ]

Sample ID:	399144	Sample Dates:	12/29/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		

Sample Point 1067 [ INDICATOR - @ 0 miles ]

Sample ID:	379580	Sample Dates:	1/6/2015 - 1/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379581	Sample Dates:	1/13/2015 - 1/13/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379582	Sample Dates:	1/19/2015 - 1/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379583	Sample Dates:	1/26/2015 - 1/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379584	Sample Dates:	2/3/2015 - 2/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379585	Sample Dates:	2/11/2015 - 2/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379586	Sample Dates:	2/18/2015 - 2/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379587	Sample Dates:	2/24/2015 - 2/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379588	Sample Dates:	3/4/2015 - 3/4/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379589	Sample Dates:	3/10/2015 - 3/10/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379590	Sample Dates:	3/18/2015 - 3/18/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379592	Sample Dates:	3/24/2015 - 3/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379593	Sample Dates:	3/31/2015 - 3/31/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379594	Sample Dates:	4/7/2015 - 4/7/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	379595	Sample Dates:	4/15/2015 - 4/15/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	378635	Sample Dates:	4/21/2015 - 4/21/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.44E+01	0.00E+00	1.44E+01
				Co-58	<1.57E+01	0.00E+00	1.57E+01
				Fe-59	<2.72E+01	0.00E+00	2.72E+01
				Co-60	<1.78E+01	0.00E+00	1.78E+01
				Zn-65	<3.14E+01	0.00E+00	3.14E+01
				Zr-95	<1.91E+01	0.00E+00	1.91E+01
				Nb-95	<1.92E+01	0.00E+00	1.92E+01
				I-131	<6.07E+01	0.00E+00	6.07E+01
				Cs-134	<9.61E+00	0.00E+00	9.61E+00
				Cs-137	<1.36E+01	0.00E+00	1.36E+01
				La-140	<5.82E+03	0.00E+00	5.82E+03
				Ba-140	<9.30E+01	0.00E+00	9.30E+01
				Total-Gam	0.00E+00		
Sample ID:	379099	Sample Dates:	4/29/2015 - 4/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.44E+01	0.00E+00	1.44E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 1067 [ INDICATOR - @ 0 miles ]

Sample ID:	379099	Sample Dates:	4/29/2015 - 4/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Co-58	<1.35E+01	0.00E+00	1.35E+01
				Fe-59	<3.80E+01	0.00E+00	3.80E+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	<1.90E+01	0.00E+00	1.90E+01
				Nb-95	<8.45E+00	0.00E+00	8.45E+00
				I-131	<4.76E+01	0.00E+00	4.76E+01
				Cs-134	<1.57E+01	0.00E+00	1.57E+01
				Cs-137	<1.51E+01	0.00E+00	1.51E+01
				La-140	<5.95E+03	0.00E+00	5.95E+03
				Ba-140	<9.76E+01	0.00E+00	9.76E+01
				Total-Gam	0.00E+00		

Sample ID:	379546	Sample Dates:	5/6/2015 - 5/6/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.24E+01	0.00E+00	1.24E+01
				Co-58	<1.89E+01	0.00E+00	1.89E+01
				Fe-59	<2.64E+01	0.00E+00	2.64E+01
				Co-60	<1.03E+01	0.00E+00	1.03E+01
				Zn-65	<4.03E+01	0.00E+00	4.03E+01
				Zr-95	<2.29E+01	0.00E+00	2.29E+01
				Nb-95	<2.18E+01	0.00E+00	2.18E+01
				I-131	<4.47E+01	0.00E+00	4.47E+01
				Cs-134	<1.75E+01	0.00E+00	1.75E+01
				Cs-137	<1.79E+01	0.00E+00	1.79E+01
				La-140	<3.14E+03	0.00E+00	3.14E+03
				Ba-140	<1.12E+02	0.00E+00	1.12E+02
				Total-Gam	0.00E+00		

Sample ID:	379695	Sample Dates:	5/12/2015 - 5/12/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.23E+01	0.00E+00	1.23E+01
				Co-58	<1.49E+01	0.00E+00	1.49E+01
				Fe-59	<3.08E+01	0.00E+00	3.08E+01
				Co-60	<1.02E+01	0.00E+00	1.02E+01
				Zn-65	<4.38E+01	0.00E+00	4.38E+01
				Zr-95	<2.56E+01	0.00E+00	2.56E+01
				Nb-95	<1.34E+01	0.00E+00	1.34E+01
				I-131	<2.11E+01	0.00E+00	2.11E+01
				Cs-134	<1.56E+01	0.00E+00	1.56E+01
				Cs-137	<1.51E+01	0.00E+00	1.51E+01
				La-140	<8.50E+02	0.00E+00	8.50E+02
				Ba-140	<5.45E+01	0.00E+00	5.45E+01
				Total-Gam	0.00E+00		

Sample ID:	380597	Sample Dates:	5/19/2015 - 5/19/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.44E+01	0.00E+00	1.44E+01
				Co-58	<2.22E+01	0.00E+00	2.22E+01
				Fe-59	<5.44E+01	0.00E+00	5.44E+01
				Co-60	<1.03E+01	0.00E+00	1.03E+01
				Zn-65	<3.14E+01	0.00E+00	3.14E+01
				Zr-95	<2.70E+01	0.00E+00	2.70E+01
				Nb-95	<1.72E+01	0.00E+00	1.72E+01
				I-131	<5.09E+01	0.00E+00	5.09E+01
				Cs-134	<1.36E+01	0.00E+00	1.36E+01
				Cs-137	<1.79E+01	0.00E+00	1.79E+01
				La-140	<9.22E+03	0.00E+00	9.22E+03
				Ba-140	<8.31E+01	0.00E+00	8.31E+01
				Total-Gam	0.00E+00		

Sample ID:	380744	Sample Dates:	5/26/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.43E+01	0.00E+00	1.43E+01
				Co-58	<1.10E+01	0.00E+00	1.10E+01
				Fe-59	<3.77E+01	0.00E+00	3.77E+01
				Co-60	<1.60E+01	0.00E+00	1.60E+01
				Zn-65	<3.13E+01	0.00E+00	3.13E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 1067 [ INDICATOR - @ 0 miles ]

Sample ID: 380744	Sample Dates: 5/26/2015 - 5/26/2015	Nuclide	Activity	2 Sigma Error	LLD
		Zr-95	<1.89E+01	0.00E+00	1.89E+01
		Nb-95	<1.45E+01	0.00E+00	1.45E+01
		I-131	<4.18E+01	0.00E+00	4.18E+01
		Cs-134	<1.57E+01	0.00E+00	1.57E+01
		Cs-137	<1.35E+01	0.00E+00	1.35E+01
		La-140	<3.46E+03	0.00E+00	3.46E+03
		Ba-140	<1.23E+02	0.00E+00	1.23E+02
		Total-Gam	0.00E+00		

Sample ID: 380944	Sample Dates: 6/2/2015 - 6/2/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.73E+01	0.00E+00	1.73E+01
		Co-58	<1.78E+01	0.00E+00	1.78E+01
		Fe-59	<3.41E+01	0.00E+00	3.41E+01
		Co-60	<9.24E+00	0.00E+00	9.24E+00
		Zn-65	<3.07E+01	0.00E+00	3.07E+01
		Zr-95	<2.15E+01	0.00E+00	2.15E+01
		Nb-95	<2.33E+01	0.00E+00	2.33E+01
		I-131	<2.39E+01	0.00E+00	2.39E+01
		Cs-134	<1.91E+01	0.00E+00	1.91E+01
		Cs-137	<1.66E+01	0.00E+00	1.66E+01
		La-140	<4.01E+02	0.00E+00	4.01E+02
		Ba-140	<6.69E+01	0.00E+00	6.69E+01
		Total-Gam	0.00E+00		

Sample ID: 381452	Sample Dates: 6/9/2015 - 6/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.60E+01	0.00E+00	1.60E+01
		Co-58	<1.34E+01	0.00E+00	1.34E+01
		Fe-59	<2.82E+01	0.00E+00	2.82E+01
		Co-60	<1.60E+01	0.00E+00	1.60E+01
		Zn-65	<3.13E+01	0.00E+00	3.13E+01
		Zr-95	<1.63E+01	0.00E+00	1.63E+01
		Nb-95	<1.68E+01	0.00E+00	1.68E+01
		I-131	<4.40E+01	0.00E+00	4.40E+01
		Cs-134	<1.36E+01	0.00E+00	1.36E+01
		Cs-137	<2.03E+01	0.00E+00	2.03E+01
		La-140	<2.50E+03	0.00E+00	2.50E+03
		Ba-140	<7.79E+01	0.00E+00	7.79E+01
		Total-Gam	0.00E+00		

Sample ID: 381768	Sample Dates: 6/16/2015 - 6/16/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.42E+01	0.00E+00	1.42E+01
		Co-58	<1.48E+01	0.00E+00	1.48E+01
		Fe-59	<2.62E+01	0.00E+00	2.62E+01
		Co-60	<1.02E+01	0.00E+00	1.02E+01
		Zn-65	<4.37E+01	0.00E+00	4.37E+01
		Zr-95	<1.80E+01	0.00E+00	1.80E+01
		Nb-95	<2.42E+01	0.00E+00	2.42E+01
		I-131	<3.08E+01	0.00E+00	3.08E+01
		Cs-134	<1.12E+01	0.00E+00	1.12E+01
		Cs-137	<1.51E+01	0.00E+00	1.51E+01
		La-140	<3.67E+02	0.00E+00	3.67E+02
		Ba-140	<8.02E+01	0.00E+00	8.02E+01
		Total-Gam	0.00E+00		

Sample ID: 381971	Sample Dates: 6/23/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.40E+01	0.00E+00	1.40E+01
		Co-58	<1.21E+01	0.00E+00	1.21E+01
		Fe-59	<1.59E+01	0.00E+00	1.59E+01
		Co-60	<1.30E+01	0.00E+00	1.30E+01
		Zn-65	<3.50E+01	0.00E+00	3.50E+01
		Zr-95	<2.05E+01	0.00E+00	2.05E+01
		Nb-95	<1.51E+01	0.00E+00	1.51E+01
		I-131	<1.71E+01	0.00E+00	1.71E+01
		Cs-134	<1.23E+01	0.00E+00	1.23E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 1067 [ INDICATOR - @ 0 miles ]

Sample ID: 381971	Sample Dates: 6/23/2015 - 6/23/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-137	<9.57E+00	0.00E+00	9.57E+00
		La-140	<6.02E+01	0.00E+00	6.02E+01
		Ba-140	<6.08E+01	0.00E+00	6.08E+01
		Total-Gam	0.00E+00		
Sample ID: 382352	Sample Dates: 6/30/2015 - 6/30/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<9.88E+00	0.00E+00	9.88E+00
		Co-58	<6.93E+00	0.00E+00	6.93E+00
		Fe-59	<2.35E+01	0.00E+00	2.35E+01
		Co-60	<1.45E+01	0.00E+00	1.45E+01
		Zn-65	<3.91E+01	0.00E+00	3.91E+01
		Zr-95	<2.88E+01	0.00E+00	2.88E+01
		Nb-95	<1.63E+01	0.00E+00	1.63E+01
		I-131	<1.70E+01	0.00E+00	1.70E+01
		Cs-134	<9.50E+00	0.00E+00	9.50E+00
		Cs-137	<1.66E+01	0.00E+00	1.66E+01
		La-140	<2.12E+01	0.00E+00	2.12E+01
		Ba-140	<4.66E+01	0.00E+00	4.66E+01
		Total-Gam	0.00E+00		
Sample ID: 383478	Sample Dates: 7/7/2015 - 7/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.61E+01	0.00E+00	1.61E+01
		Co-58	<1.57E+01	0.00E+00	1.57E+01
		Fe-59	<3.84E+01	0.00E+00	3.84E+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	<4.04E+01	0.00E+00	4.04E+01
		Nb-95	<2.42E+01	0.00E+00	2.42E+01
		I-131	<5.41E+01	0.00E+00	5.41E+01
		Cs-134	<1.11E+01	0.00E+00	1.11E+01
		Cs-137	<1.79E+01	0.00E+00	1.79E+01
		La-140	<7.43E+03	0.00E+00	7.43E+03
		Ba-140	<9.20E+01	0.00E+00	9.20E+01
		Total-Gam	0.00E+00		
Sample ID: 383962	Sample Dates: 7/14/2015 - 7/14/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.23E+01	0.00E+00	1.23E+01
		Co-58	<1.05E+01	0.00E+00	1.05E+01
		Fe-59	<1.76E+01	0.00E+00	1.76E+01
		Co-60	<2.26E+01	0.00E+00	2.26E+01
		Zn-65	<0.00E+00	0.00E+00	0.00E+00
		Zr-95	<1.80E+01	0.00E+00	1.80E+01
		Nb-95	<1.08E+01	0.00E+00	1.08E+01
		I-131	<3.20E+01	0.00E+00	3.20E+01
		Cs-134	<1.46E+01	0.00E+00	1.46E+01
		Cs-137	<1.51E+01	0.00E+00	1.51E+01
		La-140	<2.93E+02	0.00E+00	2.93E+02
		Ba-140	<5.25E+01	0.00E+00	5.25E+01
		Total-Gam	0.00E+00		
Sample ID: 384790	Sample Dates: 7/22/2015 - 7/22/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.58E+01	0.00E+00	1.58E+01
		Co-58	<1.03E+01	0.00E+00	1.03E+01
		Fe-59	<3.39E+01	0.00E+00	3.39E+01
		Co-60	<2.26E+01	0.00E+00	2.26E+01
		Zn-65	<3.07E+01	0.00E+00	3.07E+01
		Zr-95	<2.15E+01	0.00E+00	2.15E+01
		Nb-95	<2.53E+01	0.00E+00	2.53E+01
		I-131	<1.93E+01	0.00E+00	1.93E+01
		Cs-134	<1.12E+01	0.00E+00	1.12E+01
		Cs-137	<1.51E+01	0.00E+00	1.51E+01
		La-140	<3.35E+02	0.00E+00	3.35E+02
		Ba-140	<5.35E+01	0.00E+00	5.35E+01
		Total-Gam	0.00E+00		



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 1067 [ INDICATOR - @ 0 miles ]

Sample ID: 384885	Sample Dates: 7/28/2015 - 7/28/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.21E+01	0.00E+00	1.21E+01
		Co-58	<1.37E+01	0.00E+00	1.37E+01
		Fe-59	<2.70E+01	0.00E+00	2.70E+01
		Co-60	<1.02E+01	0.00E+00	1.02E+01
		Zn-65	<3.02E+01	0.00E+00	3.02E+01
		Zr-95	<2.01E+01	0.00E+00	2.01E+01
		Nb-95	<1.73E+01	0.00E+00	1.73E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<7.84E+00	0.00E+00	7.84E+00
		Cs-137	<1.17E+01	0.00E+00	1.17E+01
		La-140	<3.47E+01	0.00E+00	3.47E+01
		Ba-140	<5.95E+01	0.00E+00	5.95E+01
		Total-Gam	0.00E+00		
Sample ID: 386035	Sample Dates: 8/4/2015 - 8/4/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.22E+01	0.00E+00	1.22E+01
		Co-58	<1.62E+01	0.00E+00	1.62E+01
		Fe-59	<2.40E+01	0.00E+00	2.40E+01
		Co-60	<1.60E+01	0.00E+00	1.60E+01
		Zn-65	<1.77E+01	0.00E+00	1.77E+01
		Zr-95	<1.76E+01	0.00E+00	1.76E+01
		Nb-95	<1.94E+01	0.00E+00	1.94E+01
		I-131	<2.34E+01	0.00E+00	2.34E+01
		Cs-134	<1.10E+01	0.00E+00	1.10E+01
		Cs-137	<1.79E+01	0.00E+00	1.79E+01
		La-140	<2.75E+02	0.00E+00	2.75E+02
		Ba-140	<7.64E+01	0.00E+00	7.64E+01
		Total-Gam	0.00E+00		
Sample ID: 386301	Sample Dates: 8/11/2015 - 8/11/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.85E+01	0.00E+00	1.85E+01
		Co-58	<1.21E+01	0.00E+00	1.21E+01
		Fe-59	<2.39E+01	0.00E+00	2.39E+01
		Co-60	<1.02E+01	0.00E+00	1.02E+01
		Zn-65	<3.51E+01	0.00E+00	3.51E+01
		Zr-95	<2.51E+01	0.00E+00	2.51E+01
		Nb-95	<1.18E+01	0.00E+00	1.18E+01
		I-131	<1.75E+01	0.00E+00	1.75E+01
		Cs-134	<1.90E+01	0.00E+00	1.90E+01
		Cs-137	<1.35E+01	0.00E+00	1.35E+01
		La-140	<3.03E+01	0.00E+00	3.03E+01
		Ba-140	<6.55E+01	0.00E+00	6.55E+01
		Total-Gam	0.00E+00		
Sample ID: 387256	Sample Dates: 8/18/2015 - 8/18/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.85E+01	0.00E+00	1.85E+01
		Co-58	<2.09E+01	0.00E+00	2.09E+01
		Fe-59	<2.26E+01	0.00E+00	2.26E+01
		Co-60	<1.30E+01	0.00E+00	1.30E+01
		Zn-65	<3.04E+01	0.00E+00	3.04E+01
		Zr-95	<3.14E+01	0.00E+00	3.14E+01
		Nb-95	<1.17E+01	0.00E+00	1.17E+01
		I-131	<1.81E+01	0.00E+00	1.81E+01
		Cs-134	<1.45E+01	0.00E+00	1.45E+01
		Cs-137	<1.17E+01	0.00E+00	1.17E+01
		La-140	<4.91E+01	0.00E+00	4.91E+01
		Ba-140	<5.31E+01	0.00E+00	5.31E+01
		Total-Gam	0.00E+00		
Sample ID: 388444	Sample Dates: 8/27/2015 - 8/27/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.22E+01	0.00E+00	1.22E+01
		Co-58	<2.14E+01	0.00E+00	2.14E+01
		Fe-59	<3.49E+01	0.00E+00	3.49E+01
		Co-60	<1.85E+01	0.00E+00	1.85E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 1067 [ INDICATOR - @ 0 miles ]

Sample ID: 388444	Sample Dates: 8/27/2015 - 8/27/2015	Nuclide	Activity	2 Sigma Error	LLD
		Zn-65	<3.53E+01	0.00E+00	3.53E+01
		Zr-95	<2.10E+01	0.00E+00	2.10E+01
		Nb-95	<1.74E+01	0.00E+00	1.74E+01
		I-131	<2.63E+01	0.00E+00	2.63E+01
		Cs-134	<1.35E+01	0.00E+00	1.35E+01
		Cs-137	<1.51E+01	0.00E+00	1.51E+01
		La-140	<1.06E+02	0.00E+00	1.06E+02
		Ba-140	<8.52E+01	0.00E+00	8.52E+01
		Total-Gam	0.00E+00		

Sample ID: 389510	Sample Dates: 9/1/2015 - 9/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.00E+01	0.00E+00	1.00E+01
		Co-58	<1.05E+01	0.00E+00	1.05E+01
		Fe-59	<3.51E+01	0.00E+00	3.51E+01
		Co-60	<1.31E+01	0.00E+00	1.31E+01
		Zn-65	<3.09E+01	0.00E+00	3.09E+01
		Zr-95	<2.54E+01	0.00E+00	2.54E+01
		Nb-95	<7.64E+00	0.00E+00	7.64E+00
		I-131	<3.20E+01	0.00E+00	3.20E+01
		Cs-134	<1.10E+01	0.00E+00	1.10E+01
		Cs-137	<1.17E+01	0.00E+00	1.17E+01
		La-140	<6.50E+02	0.00E+00	6.50E+02
		Ba-140	<6.05E+01	0.00E+00	6.05E+01
		Total-Gam	0.00E+00		

Sample ID: 390136	Sample Dates: 9/9/2015 - 9/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<9.99E+00	0.00E+00	9.99E+00
		Co-58	<1.26E+01	0.00E+00	1.26E+01
		Fe-59	<2.41E+01	0.00E+00	2.41E+01
		Co-60	<1.45E+01	0.00E+00	1.45E+01
		Zn-65	<3.07E+01	0.00E+00	3.07E+01
		Zr-95	<1.76E+01	0.00E+00	1.76E+01
		Nb-95	<1.80E+01	0.00E+00	1.80E+01
		I-131	<2.37E+01	0.00E+00	2.37E+01
		Cs-134	<1.12E+01	0.00E+00	1.12E+01
		Cs-137	<9.58E+00	0.00E+00	9.58E+00
		La-140	<2.92E+02	0.00E+00	2.92E+02
		Ba-140	<8.62E+01	0.00E+00	8.62E+01
		Total-Gam	0.00E+00		

Sample ID: 390868	Sample Dates: 9/15/2015 - 9/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.73E+01	0.00E+00	1.73E+01
		Co-58	<1.04E+01	0.00E+00	1.04E+01
		Fe-59	<3.64E+01	0.00E+00	3.64E+01
		Co-60	<1.60E+01	0.00E+00	1.60E+01
		Zn-65	<2.51E+01	0.00E+00	2.51E+01
		Zr-95	<3.06E+01	0.00E+00	3.06E+01
		Nb-95	<2.37E+01	0.00E+00	2.37E+01
		I-131	<2.68E+01	0.00E+00	2.68E+01
		Cs-134	<1.10E+01	0.00E+00	1.10E+01
		Cs-137	<1.66E+01	0.00E+00	1.66E+01
		La-140	<3.27E+02	0.00E+00	3.27E+02
		Ba-140	<5.70E+01	0.00E+00	5.70E+01
		Total-Gam	0.00E+00		

Sample ID: 392090	Sample Dates: 9/22/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<7.06E+00	0.00E+00	7.06E+00
		Co-58	<7.26E+00	0.00E+00	7.26E+00
		Fe-59	<2.94E+01	0.00E+00	2.94E+01
		Co-60	<1.85E+01	0.00E+00	1.85E+01
		Zn-65	<3.55E+01	0.00E+00	3.55E+01
		Zr-95	<1.75E+01	0.00E+00	1.75E+01
		Nb-95	<1.64E+01	0.00E+00	1.64E+01
		I-131	<2.87E+01	0.00E+00	2.87E+01





# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 1067 [ INDICATOR - @ 0 miles ]

Sample ID: 392090	Sample Dates: 9/22/2015 - 9/22/2015	Nuclide	Activity	2 Sigma Error	LLD
		Cs-134	<1.35E+01	0.00E+00	1.35E+01
		Cs-137	<9.58E+00	0.00E+00	9.58E+00
		La-140	<1.53E+02	0.00E+00	1.53E+02
		Ba-140	<7.15E+01	0.00E+00	7.15E+01
		Total-Gam	0.00E+00		
Sample ID: 392575	Sample Dates: 9/29/2015 - 9/29/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<9.99E+00	0.00E+00	9.99E+00
		Co-58	<1.03E+01	0.00E+00	1.03E+01
		Fe-59	<2.95E+01	0.00E+00	2.95E+01
		Co-60	<1.77E+01	0.00E+00	1.77E+01
		Zn-65	<4.35E+01	0.00E+00	4.35E+01
		Zr-95	<3.04E+01	0.00E+00	3.04E+01
		Nb-95	<1.80E+01	0.00E+00	1.80E+01
		I-131	<2.12E+01	0.00E+00	2.12E+01
		Cs-134	<1.23E+01	0.00E+00	1.23E+01
		Cs-137	<1.17E+01	0.00E+00	1.17E+01
		La-140	<1.61E+02	0.00E+00	1.61E+02
		Ba-140	<7.19E+01	0.00E+00	7.19E+01
		Total-Gam	0.00E+00		
Sample ID: 394945	Sample Dates: 10/7/2015 - 10/7/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.63E+01	0.00E+00	1.63E+01
		Co-58	<2.03E+01	0.00E+00	2.03E+01
		Fe-59	<3.62E+01	0.00E+00	3.62E+01
		Co-60	<1.03E+01	0.00E+00	1.03E+01
		Zn-65	<5.82E+01	0.00E+00	5.82E+01
		Zr-95	<2.48E+01	0.00E+00	2.48E+01
		Nb-95	<1.91E+01	0.00E+00	1.91E+01
		I-131	<8.73E+01	0.00E+00	8.73E+01
		Cs-134	<1.12E+01	0.00E+00	1.12E+01
		Cs-137	<1.36E+01	0.00E+00	1.36E+01
		La-140	<5.32E+04	0.00E+00	5.32E+04
		Ba-140	<1.36E+02	0.00E+00	1.36E+02
		Total-Gam	0.00E+00		
Sample ID: 395057	Sample Dates: 10/13/2015 - 10/13/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.76E+01	0.00E+00	1.76E+01
		Co-58	<1.59E+01	0.00E+00	1.59E+01
		Fe-59	<2.91E+01	0.00E+00	2.91E+01
		Co-60	<1.45E+01	0.00E+00	1.45E+01
		Zn-65	<1.82E+01	0.00E+00	1.82E+01
		Zr-95	<1.93E+01	0.00E+00	1.93E+01
		Nb-95	<1.75E+01	0.00E+00	1.75E+01
		I-131	<5.33E+01	0.00E+00	5.33E+01
		Cs-134	<1.38E+01	0.00E+00	1.38E+01
		Cs-137	<1.92E+01	0.00E+00	1.92E+01
		La-140	<1.50E+04	0.00E+00	1.50E+04
		Ba-140	<1.08E+02	0.00E+00	1.08E+02
		Total-Gam	0.00E+00		
Sample ID: 395211	Sample Dates: 10/20/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.60E+01	0.00E+00	1.60E+01
		Co-58	<1.10E+01	0.00E+00	1.10E+01
		Fe-59	<2.67E+01	0.00E+00	2.67E+01
		Co-60	<1.31E+01	0.00E+00	1.31E+01
		Zn-65	<1.81E+01	0.00E+00	1.81E+01
		Zr-95	<2.67E+01	0.00E+00	2.67E+01
		Nb-95	<1.87E+01	0.00E+00	1.87E+01
		I-131	<4.19E+01	0.00E+00	4.19E+01
		Cs-134	<7.94E+00	0.00E+00	7.94E+00
		Cs-137	<1.35E+01	0.00E+00	1.35E+01
		La-140	<3.51E+03	0.00E+00	3.51E+03
		Ba-140	<9.53E+01	0.00E+00	9.53E+01
		Total-Gam	0.00E+00		



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 1067 [ INDICATOR - @ 0 miles ]

Sample ID:	395211	Sample Dates:	10/20/2015 - 10/20/2015	Nuclide	Activity	2 Sigma Error	LLD
				Total-Gam	0.00E+00		
Sample ID:	395241	Sample Dates:	10/27/2015 - 10/27/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.73E+01	0.00E+00	1.73E+01
				Co-58	<2.06E+01	0.00E+00	2.06E+01
				Fe-59	<2.54E+01	0.00E+00	2.54E+01
				Co-60	<2.07E+01	0.00E+00	2.07E+01
				Zn-65	<0.00E+00	0.00E+00	0.00E+00
				Zr-95	<2.78E+01	0.00E+00	2.78E+01
				Nb-95	<2.55E+01	0.00E+00	2.55E+01
				I-131	<3.08E+01	0.00E+00	3.08E+01
				Cs-134	<1.35E+01	0.00E+00	1.35E+01
				Cs-137	<2.03E+01	0.00E+00	2.03E+01
				La-140	<1.59E+02	0.00E+00	1.59E+02
				Ba-140	<7.19E+01	0.00E+00	7.19E+01
				Total-Gam	0.00E+00		
Sample ID:	395810	Sample Dates:	11/3/2015 - 11/3/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.23E+01	0.00E+00	1.23E+01
				Co-58	<1.48E+01	0.00E+00	1.48E+01
				Fe-59	<1.75E+01	0.00E+00	1.75E+01
				Co-60	<1.60E+01	0.00E+00	1.60E+01
				Zn-65	<0.00E+00	0.00E+00	0.00E+00
				Zr-95	<2.54E+01	0.00E+00	2.54E+01
				Nb-95	<1.32E+01	0.00E+00	1.32E+01
				I-131	<2.92E+01	0.00E+00	2.92E+01
				Cs-134	<1.12E+01	0.00E+00	1.12E+01
				Cs-137	<1.51E+01	0.00E+00	1.51E+01
				La-140	<4.93E+02	0.00E+00	4.93E+02
				Ba-140	<9.98E+01	0.00E+00	9.98E+01
				Total-Gam	0.00E+00		
Sample ID:	396082	Sample Dates:	11/11/2015 - 11/11/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.22E+01	0.00E+00	1.22E+01
				Co-58	<1.46E+01	0.00E+00	1.46E+01
				Fe-59	<2.95E+01	0.00E+00	2.95E+01
				Co-60	<1.02E+01	0.00E+00	1.02E+01
				Zn-65	<3.07E+01	0.00E+00	3.07E+01
				Zr-95	<3.05E+01	0.00E+00	3.05E+01
				Nb-95	<2.08E+01	0.00E+00	2.08E+01
				I-131	<2.26E+01	0.00E+00	2.26E+01
				Cs-134	<1.58E+01	0.00E+00	1.58E+01
				Cs-137	<6.77E+00	0.00E+00	6.77E+00
				La-140	<2.88E+02	0.00E+00	2.88E+02
				Ba-140	<7.72E+01	0.00E+00	7.72E+01
				Total-Gam	0.00E+00		
Sample ID:	397552	Sample Dates:	11/17/2015 - 11/17/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<1.25E+01	0.00E+00	1.25E+01
				Co-58	<1.98E+01	0.00E+00	1.98E+01
				Fe-59	<4.49E+01	0.00E+00	4.49E+01
				Co-60	<1.03E+01	0.00E+00	1.03E+01
				Zn-65	<1.83E+01	0.00E+00	1.83E+01
				Zr-95	<3.40E+01	0.00E+00	3.40E+01
				Nb-95	<1.81E+01	0.00E+00	1.81E+01
				I-131	<7.24E+01	0.00E+00	7.24E+01
				Cs-134	<1.67E+01	0.00E+00	1.67E+01
				Cs-137	<1.17E+01	0.00E+00	1.17E+01
				La-140	<1.84E+04	0.00E+00	1.84E+04
				Ba-140	<6.84E+01	0.00E+00	6.84E+01
				Total-Gam	0.00E+00		
Sample ID:	397731	Sample Dates:	11/24/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<7.13E+00	0.00E+00	7.13E+00



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 1067 [ INDICATOR - @ 0 miles ]

Sample ID: 397731	Sample Dates: 11/24/2015 - 11/24/2015	Nuclide	Activity	2 Sigma Error	LLD
		Co-58	<1.69E+01	0.00E+00	1.69E+01
		Fe-59	<3.14E+01	0.00E+00	3.14E+01
		Co-60	<1.45E+01	0.00E+00	1.45E+01
		Zn-65	<0.00E+00	0.00E+00	0.00E+00
		Zr-95	<2.59E+01	0.00E+00	2.59E+01
		Nb-95	<7.95E+00	0.00E+00	7.95E+00
		I-131	<3.16E+01	0.00E+00	3.16E+01
		Cs-134	<1.24E+01	0.00E+00	1.24E+01
		Cs-137	<6.77E+00	0.00E+00	6.77E+00
		La-140	<9.41E+02	0.00E+00	9.41E+02
		Ba-140	<8.92E+01	0.00E+00	8.92E+01
		Total-Gam	0.00E+00		
Sample ID: 398104	Sample Dates: 12/1/2015 - 12/1/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.23E+01	0.00E+00	1.23E+01
		Co-58	<1.67E+01	0.00E+00	1.67E+01
		Fe-59	<2.51E+01	0.00E+00	2.51E+01
		Co-60	<1.02E+01	0.00E+00	1.02E+01
		Zn-65	<2.53E+01	0.00E+00	2.53E+01
		Zr-95	<2.86E+01	0.00E+00	2.86E+01
		Nb-95	<2.19E+01	0.00E+00	2.19E+01
		I-131	<2.83E+01	0.00E+00	2.83E+01
		Cs-134	<1.35E+01	0.00E+00	1.35E+01
		Cs-137	<9.58E+00	0.00E+00	9.58E+00
		La-140	<4.86E+02	0.00E+00	4.86E+02
		Ba-140	<7.03E+01	0.00E+00	7.03E+01
		Total-Gam	0.00E+00		
Sample ID: 398519	Sample Dates: 12/9/2015 - 12/9/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.42E+01	0.00E+00	1.42E+01
		Co-58	<1.05E+01	0.00E+00	1.05E+01
		Fe-59	<3.70E+01	0.00E+00	3.70E+01
		Co-60	<1.85E+01	0.00E+00	1.85E+01
		Zn-65	<5.35E+01	0.00E+00	5.35E+01
		Zr-95	<1.79E+01	0.00E+00	1.79E+01
		Nb-95	<1.53E+01	0.00E+00	1.53E+01
		I-131	<2.80E+01	0.00E+00	2.80E+01
		Cs-134	<1.10E+01	0.00E+00	1.10E+01
		Cs-137	<1.17E+01	0.00E+00	1.17E+01
		La-140	<7.14E+02	0.00E+00	7.14E+02
		Ba-140	<9.55E+01	0.00E+00	9.55E+01
		Total-Gam	0.00E+00		
Sample ID: 399037	Sample Dates: 12/15/2015 - 12/15/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.25E+01	0.00E+00	1.25E+01
		Co-58	<1.93E+01	0.00E+00	1.93E+01
		Fe-59	<3.34E+01	0.00E+00	3.34E+01
		Co-60	<1.31E+01	0.00E+00	1.31E+01
		Zn-65	<1.81E+01	0.00E+00	1.81E+01
		Zr-95	<2.71E+01	0.00E+00	2.71E+01
		Nb-95	<1.49E+01	0.00E+00	1.49E+01
		I-131	<4.47E+01	0.00E+00	4.47E+01
		Cs-134	<7.94E+00	0.00E+00	7.95E+00
		Cs-137	<1.79E+01	0.00E+00	1.79E+01
		La-140	<1.21E+04	0.00E+00	1.21E+04
		Ba-140	<1.03E+02	0.00E+00	1.03E+02
		Total-Gam	0.00E+00		
Sample ID: 399050	Sample Dates: 12/23/2015 - 12/23/2015	Nuclide	Activity	2 Sigma Error	LLD
		Mn-54	<1.44E+01	0.00E+00	1.44E+01
		Co-58	<1.11E+01	0.00E+00	1.11E+01
		Fe-59	<4.30E+01	0.00E+00	4.30E+01
		Co-60	<1.03E+01	0.00E+00	1.03E+01
		Zn-65	<2.57E+01	0.00E+00	2.57E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 1067 [ INDICATOR - @ 0 miles ]

Sample ID:	399050	Sample Dates:	12/23/2015 - 12/23/2015	Nuclide	Activity	2 Sigma Error	LLD
				Zr-95	<3.30E+01	0.00E+00	3.30E+01
				Nb-95	<1.49E+01	0.00E+00	1.49E+01
				I-131	<5.31E+01	0.00E+00	5.31E+01
				Cs-134	<1.38E+01	0.00E+00	1.38E+01
				Cs-137	<6.78E+00	0.00E+00	6.78E+00
				La-140	<5.86E+03	0.00E+00	5.86E+03
				Ba-140	<1.10E+02	0.00E+00	1.10E+02
				Total-Gam	0.00E+00		

Sample ID:	399145	Sample Dates:	12/29/2015 - 12/29/2015	Nuclide	Activity	2 Sigma Error	LLD
				Mn-54	<7.10E+00	0.00E+00	7.10E+00
				Co-58	<1.28E+01	0.00E+00	1.28E+01
				Fe-59	<3.04E+01	0.00E+00	3.04E+01
				Co-60	<1.31E+01	0.00E+00	1.31E+01
				Zn-65	<3.09E+01	0.00E+00	3.09E+01
				Zr-95	<1.80E+01	0.00E+00	1.80E+01
				Nb-95	<1.32E+01	0.00E+00	1.32E+01
				I-131	<2.18E+01	0.00E+00	2.18E+01
				Cs-134	<1.10E+01	0.00E+00	1.10E+01
				Cs-137	<1.35E+01	0.00E+00	1.35E+01
				La-140	<5.18E+02	0.00E+00	5.18E+02
				Ba-140	<7.42E+01	0.00E+00	7.42E+01
				Total-Gam	0.00E+00		

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

Sample Point 1 [ INDICATOR - E @ 1.1 miles ]

TLD RING TLD\_INNER

Sample ID:	379155	Sample Dates:	1/6/2015 - 4/3/2015	Nuclide	Activity
				mR/Std Qtr	12.39
Sample ID:	379833	Sample Dates:	4/3/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	9.99
Sample ID:	387781	Sample Dates:	7/8/2015 - 10/7/2015	Nuclide	Activity
				mR/Std Qtr	9.82
Sample ID:	396756	Sample Dates:	10/7/2015 - 1/5/2016	Nuclide	Activity
				mR/Std Qtr	10.17

Sample Point 2 [ INDICATOR - ESE @ 0.9 miles ]

TLD RING TLD\_INNER

Sample ID:	379165	Sample Dates:	1/6/2015 - 4/3/2015	Nuclide	Activity
				mR/Std Qtr	12.73
Sample ID:	379843	Sample Dates:	4/3/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	9.93
Sample ID:	387791	Sample Dates:	7/8/2015 - 10/7/2015	Nuclide	Activity
				mR/Std Qtr	10.36
Sample ID:	396766	Sample Dates:	10/7/2015 - 1/5/2016	Nuclide	Activity
				mR/Std Qtr	9.82

Sample Point 3 [ INDICATOR - SE @ 0.9 miles ]

TLD RING TLD\_INNER

Sample ID:	379176	Sample Dates:	1/6/2015 - 4/3/2015	Nuclide	Activity
				mR/Std Qtr	11.11
Sample ID:	379854	Sample Dates:	4/3/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	12.03
Sample ID:	387802	Sample Dates:	7/8/2015 - 10/7/2015	Nuclide	Activity
				mR/Std Qtr	8.47

# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 3 [ INDICATOR - SE @ 0.9 miles ]

TLD RING TLD\_INNER

Sample ID:	396777	Sample Dates:	10/7/2015 - 1/5/2016	Nuclide	Activity
				mR/Std Qtr	11.90

Sample Point 4 [ INDICATOR - SSE @ 1.1 miles ]

TLD RING TLD\_INNER

Sample ID:	379187	Sample Dates:	1/6/2015 - 4/3/2015	Nuclide	Activity
				mR/Std Qtr	11.45

Sample ID:	379865	Sample Dates:	4/3/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	9.70

Sample ID:	387813	Sample Dates:	7/8/2015 - 10/7/2015	Nuclide	Activity
				mR/Std Qtr	8.96

Sample ID:	396788	Sample Dates:	10/7/2015 - 1/5/2016	Nuclide	Activity
				mR/Std Qtr	11.38

Sample Point 5 [ INDICATOR - S @ 1.1 miles ]

TLD RING TLD\_INNER

Sample ID:	379189	Sample Dates:	1/6/2015 - 4/3/2015	Nuclide	Activity
				mR/Std Qtr	11.64

Sample ID:	379867	Sample Dates:	4/3/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	9.73

Sample ID:	387815	Sample Dates:	7/8/2015 - 10/7/2015	Nuclide	Activity
				mR/Std Qtr	8.21

Sample ID:	396790	Sample Dates:	10/7/2015 - 1/5/2016	Nuclide	Activity
				mR/Std Qtr	11.34

Sample Point 6 [ INDICATOR - SSW @ 1.6 miles ]

TLD RING TLD\_INNER

Sample ID:	379190	Sample Dates:	1/6/2015 - 4/3/2015	Nuclide	Activity
				mR/Std Qtr	10.24

Sample ID:	379868	Sample Dates:	4/3/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	8.87

Sample ID:	387816	Sample Dates:	7/8/2015 - 10/7/2015	Nuclide	Activity
				mR/Std Qtr	8.23

Sample ID:	396791	Sample Dates:	10/7/2015 - 1/5/2016	Nuclide	Activity
				mR/Std Qtr	9.46

Sample Point 7 [ INDICATOR - SW @ 1.1 miles ]

TLD RING TLD\_INNER

Sample ID:	379191	Sample Dates:	1/6/2015 - 4/3/2015	Nuclide	Activity
				mR/Std Qtr	11.42

Sample ID:	379869	Sample Dates:	4/3/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	10.69

Sample ID:	387817	Sample Dates:	7/8/2015 - 10/7/2015	Nuclide	Activity
				mR/Std Qtr	8.96

Sample ID:	396792	Sample Dates:	10/7/2015 - 1/5/2016	Nuclide	Activity
				mR/Std Qtr	10.34

Sample Point 8 [ INDICATOR - W @ 1.2 miles ]

TLD RING TLD\_INNER

Sample ID:	379197	Sample Dates:	1/6/2015 - 4/3/2015	Nuclide	Activity
				mR/Std Qtr	11.59

## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 8 [ INDICATOR - W @ 1.2 miles ]

TLD RING TLD\_INNER

Sample ID:	379875	Sample Dates:	4/3/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	8.45
Sample ID:	387823	Sample Dates:	7/8/2015 - 10/7/2015	Nuclide	Activity
				mR/Std Qtr	9.33
Sample ID:	396798	Sample Dates:	10/7/2015 - 1/5/2016	Nuclide	Activity
				mR/Std Qtr	9.18

Sample Point 9 [ INDICATOR - WNW @ 1 miles ]

TLD RING TLD\_INNER

Sample ID:	379203	Sample Dates:	1/6/2015 - 4/3/2015	Nuclide	Activity
				mR/Std Qtr	10.42
Sample ID:	379881	Sample Dates:	4/3/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	8.72
Sample ID:	387829	Sample Dates:	7/8/2015 - 10/7/2015	Nuclide	Activity
				mR/Std Qtr	7.70
Sample ID:	396804	Sample Dates:	10/7/2015 - 1/5/2016	Nuclide	Activity
				mR/Std Qtr	9.18

Sample Point 10 [ INDICATOR - NW @ 0.8 miles ]

TLD RING TLD\_INNER

Sample ID:	379156	Sample Dates:	1/6/2015 - 4/3/2015	Nuclide	Activity
				mR/Std Qtr	11.72
Sample ID:	379834	Sample Dates:	4/3/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	8.09
Sample ID:	387782	Sample Dates:	7/8/2015 - 10/7/2015	Nuclide	Activity
				mR/Std Qtr	7.02
Sample ID:	396757	Sample Dates:	10/7/2015 - 1/5/2016	Nuclide	Activity
				mR/Std Qtr	8.94

Sample Point 11 [ INDICATOR - NNW @ 0.9 miles ]

TLD RING TLD\_INNER

Sample ID:	379157	Sample Dates:	1/6/2015 - 4/3/2015	Nuclide	Activity
				mR/Std Qtr	15.05
Sample ID:	379835	Sample Dates:	4/3/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	9.27
Sample ID:	387783	Sample Dates:	7/8/2015 - 10/7/2015	Nuclide	Activity
				mR/Std Qtr	8.78
Sample ID:	396758	Sample Dates:	10/7/2015 - 1/5/2016	Nuclide	Activity
				mR/Std Qtr	11.48

Sample Point 12 [ INDICATOR - N @ 1.1 miles ]

TLD RING TLD\_INNER

Sample ID:	379158	Sample Dates:	1/6/2015 - 4/3/2015	Nuclide	Activity
				mR/Std Qtr	14.23
Sample ID:	379836	Sample Dates:	4/3/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	12.65
Sample ID:	387784	Sample Dates:	7/8/2015 - 10/7/2015	Nuclide	Activity
				mR/Std Qtr	9.14
Sample ID:	396759	Sample Dates:	10/7/2015 - 1/5/2016	Nuclide	Activity
				mR/Std Qtr	11.20

## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 13 [ INDICATOR - NNE @ 1.2 miles ]

TLD RING TLD\_INNER

Sample ID:	379159	Sample Dates:	1/6/2015 - 4/3/2015	Nuclide	Activity
				mR/Std Qtr	10.89
Sample ID:	379837	Sample Dates:	4/3/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	9.00
Sample ID:	387785	Sample Dates:	7/8/2015 - 10/7/2015	Nuclide	Activity
				mR/Std Qtr	7.20
Sample ID:	396760	Sample Dates:	10/7/2015 - 1/5/2016	Nuclide	Activity
				mR/Std Qtr	10.78

Sample Point 14 [ INDICATOR - NE @ 0.5 miles ]

TLD RING TLD\_INNER

Sample ID:	379160	Sample Dates:	1/6/2015 - 4/5/2015	Nuclide	Activity
				mR/Std Qtr	14.67
Sample ID:	379838	Sample Dates:	4/5/2015 - 7/7/2015	Nuclide	Activity
				mR/Std Qtr	11.58
Sample ID:	387786	Sample Dates:	7/7/2015 - 10/7/2015	Nuclide	Activity
				mR/Std Qtr	10.25
Sample ID:	396761	Sample Dates:	10/7/2015 - 1/7/2016	Nuclide	Activity
				mR/Std Qtr	13.26

Sample Point 15 [ INDICATOR - ENE @ 0.9 miles ]

TLD RING TLD\_INNER

Sample ID:	379161	Sample Dates:	1/6/2015 - 4/5/2015	Nuclide	Activity
				mR/Std Qtr	13.02
Sample ID:	379839	Sample Dates:	4/5/2015 - 7/7/2015	Nuclide	Activity
				mR/Std Qtr	10.52
Sample ID:	387787	Sample Dates:	7/7/2015 - 10/7/2015	Nuclide	Activity
				mR/Std Qtr	9.42
Sample ID:	396762	Sample Dates:	10/7/2015 - 1/7/2016	Nuclide	Activity
				mR/Std Qtr	11.78

Sample Point 16 [ INDICATOR - WSW @ 1 miles ]

TLD RING TLD\_INNER

Sample ID:	379162	Sample Dates:	1/6/2015 - 4/3/2015	Nuclide	Activity
				mR/Std Qtr	14.05
Sample ID:	379840	Sample Dates:	4/3/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	8.99
Sample ID:	387788	Sample Dates:	7/8/2015 - 10/7/2015	Nuclide	Activity
				mR/Std Qtr	9.08
Sample ID:	396763	Sample Dates:	10/7/2015 - 1/5/2016	Nuclide	Activity
				mR/Std Qtr	9.30

Sample Point 17 [ INDICATOR - ESE @ 1.4 miles ]

TLD RING TLD\_INNER

Sample ID:	379163	Sample Dates:	1/6/2015 - 4/3/2015	Nuclide	Activity
				mR/Std Qtr	14.86
Sample ID:	379841	Sample Dates:	4/3/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	11.41
Sample ID:	387789	Sample Dates:	7/8/2015 - 10/7/2015	Nuclide	Activity
				mR/Std Qtr	10.14

## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 17 [ INDICATOR - ESE @ 1.4 miles ]

TLD RING TLD\_INNER

Sample ID:	396764	Sample Dates:	10/7/2015 - 1/5/2016	Nuclide	Activity
				mR/Std Qtr	11.62

Sample Point 18 [ INDICATOR - SE @ 1.7 miles ]

TLD RING TLD\_INNER

Sample ID:	379164	Sample Dates:	1/6/2015 - 4/3/2015	Nuclide	Activity
				mR/Std Qtr	11.39

Sample ID:	379842	Sample Dates:	4/3/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	10.14

Sample ID:	387790	Sample Dates:	7/8/2015 - 10/7/2015	Nuclide	Activity
				mR/Std Qtr	8.82

Sample ID:	396765	Sample Dates:	10/7/2015 - 1/5/2016	Nuclide	Activity
				mR/Std Qtr	10.57

Sample Point 20 [ INDICATOR - S @ 2.1 miles ]

TLD RING TLD\_INNER

Sample ID:	379166	Sample Dates:	1/6/2015 - 4/3/2015	Nuclide	Activity
				mR/Std Qtr	11.08

Sample ID:	379844	Sample Dates:	4/3/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	9.66

Sample ID:	387792	Sample Dates:	7/8/2015 - 10/7/2015	Nuclide	Activity
				mR/Std Qtr	8.03

Sample ID:	396767	Sample Dates:	10/7/2015 - 1/5/2016	Nuclide	Activity
				mR/Std Qtr	10.11

Sample Point 21 [ INDICATOR - SSW @ 2.9 miles ]

TLD RING TLD\_INNER

Sample ID:	379167	Sample Dates:	1/6/2015 - 4/3/2015	Nuclide	Activity
				mR/Std Qtr	15.37

Sample ID:	379845	Sample Dates:	4/3/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	13.82

Sample ID:	387793	Sample Dates:	7/8/2015 - 10/3/2015	Nuclide	Activity
				mR/Std Qtr	10.39

Sample ID:	396768	Sample Dates:	10/3/2015 - 1/5/2016	Nuclide	Activity
				mR/Std Qtr	12.46

Sample Point 22 [ INDICATOR - SW @ 5.3 miles ]

TLD RING TLD\_OUTER

Sample ID:	379168	Sample Dates:	1/6/2015 - 4/4/2015	Nuclide	Activity
				mR/Std Qtr	11.52

Sample ID:	379846	Sample Dates:	4/4/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	10.70

Sample ID:	387794	Sample Dates:	7/8/2015 - 10/3/2015	Nuclide	Activity
				mR/Std Qtr	9.11

Sample ID:	396769	Sample Dates:	10/3/2015 - 1/6/2016	Nuclide	Activity
				mR/Std Qtr	10.32

Sample Point 23 [ INDICATOR - WSW @ 4.6 miles ]

TLD RING TLD\_OUTER

Sample ID:	379169	Sample Dates:	1/6/2015 - 4/4/2015	Nuclide	Activity
				mR/Std Qtr	9.42





## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 23 [ INDICATOR - WSW @ 4.6 miles ]

TLD RING TLD\_OUTER

Sample ID:	379847	Sample Dates:	4/4/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	8.45
Sample ID:	387795	Sample Dates:	7/8/2015 - 10/3/2015	Nuclide	Activity
				mR/Std Qtr	6.82
Sample ID:	396770	Sample Dates:	10/3/2015 - 1/6/2016	Nuclide	Activity
				mR/Std Qtr	8.64

Sample Point 24 [ INDICATOR - W @ 3 miles ]

TLD RING TLD\_INNER

Sample ID:	379848	Sample Dates:	4/4/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	8.67
Sample ID:	387796	Sample Dates:	7/8/2015 - 10/3/2015	Nuclide	Activity
				mR/Std Qtr	13.94
Sample ID:	396771	Sample Dates:	10/3/2015 - 1/6/2016	Nuclide	Activity
				mR/Std Qtr	15.75

Sample Point 25 [ INDICATOR - WNW @ 8.6 miles ]

TLD RING TLD\_OUTER

Sample ID:	379171	Sample Dates:	1/6/2015 - 4/4/2015	Nuclide	Activity
				mR/Std Qtr	11.31
Sample ID:	379849	Sample Dates:	4/4/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	10.50
Sample ID:	387797	Sample Dates:	7/8/2015 - 10/3/2015	Nuclide	Activity
				mR/Std Qtr	9.70
Sample ID:	396772	Sample Dates:	10/3/2015 - 1/6/2016	Nuclide	Activity
				mR/Std Qtr	12.06

Sample Point 26 [ INDICATOR - NW @ 5.9 miles ]

TLD RING TLD\_OUTER

Sample ID:	379172	Sample Dates:	1/6/2015 - 4/3/2015	Nuclide	Activity
				mR/Std Qtr	14.51
Sample ID:	379850	Sample Dates:	4/3/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	10.91
Sample ID:	387798	Sample Dates:	7/8/2015 - 10/3/2015	Nuclide	Activity
				mR/Std Qtr	13.24
Sample ID:	396773	Sample Dates:	10/3/2015 - 1/5/2016	Nuclide	Activity
				mR/Std Qtr	12.67

Sample Point 27 [ INDICATOR - NNW @ 5.1 miles ]

TLD RING TLD\_OUTER

Sample ID:	379173	Sample Dates:	1/6/2015 - 4/3/2015	Nuclide	Activity
				mR/Std Qtr	10.82
Sample ID:	379851	Sample Dates:	4/3/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	8.35
Sample ID:	387799	Sample Dates:	7/8/2015 - 10/3/2015	Nuclide	Activity
				mR/Std Qtr	6.55
Sample ID:	396774	Sample Dates:	10/3/2015 - 1/5/2016	Nuclide	Activity
				mR/Std Qtr	9.42

# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 28 [ INDICATOR - NW @ 4.2 miles ]

TLD RING TLD\_OUTER

Sample ID:	379174	Sample Dates:	1/6/2015 - 4/3/2015	Nuclide	Activity
				mR/Std Qtr	10.85
Sample ID:	379852	Sample Dates:	4/3/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	8.97
Sample ID:	387800	Sample Dates:	7/8/2015 - 10/3/2015	Nuclide	Activity
				mR/Std Qtr	7.68
Sample ID:	396775	Sample Dates:	10/3/2015 - 1/5/2016	Nuclide	Activity
				mR/Std Qtr	9.60

Sample Point 29 [ INDICATOR - SSW @ 2.6 miles ]

TLD RING TLD\_INNER

Sample ID:	379175	Sample Dates:	1/6/2015 - 4/3/2015	Nuclide	Activity
				mR/Std Qtr	10.61
Sample ID:	379853	Sample Dates:	4/3/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	8.20
Sample ID:	387801	Sample Dates:	7/8/2015 - 10/7/2015	Nuclide	Activity
				mR/Std Qtr	7.15
Sample ID:	396776	Sample Dates:	10/7/2015 - 1/5/2016	Nuclide	Activity
				mR/Std Qtr	9.12

Sample Point 30 [ INDICATOR - NE @ 2 miles ]

TLD RING TLD\_INNER

Sample ID:	379177	Sample Dates:	1/7/2015 - 4/5/2015	Nuclide	Activity
				mR/Std Qtr	11.38
Sample ID:	379855	Sample Dates:	4/5/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	9.92
Sample ID:	387803	Sample Dates:	7/8/2015 - 10/3/2015	Nuclide	Activity
				mR/Std Qtr	7.95
Sample ID:	396778	Sample Dates:	10/3/2015 - 1/7/2016	Nuclide	Activity
				mR/Std Qtr	11.61

Sample Point 31 [ INDICATOR - ENE @ 2.5 miles ]

TLD RING TLD\_INNER

Sample ID:	379178	Sample Dates:	1/7/2015 - 4/5/2015	Nuclide	Activity
				mR/Std Qtr	12.91
Sample ID:	379856	Sample Dates:	4/5/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	11.91
Sample ID:	387804	Sample Dates:	7/8/2015 - 10/3/2015	Nuclide	Activity
				mR/Std Qtr	9.66
Sample ID:	396779	Sample Dates:	10/3/2015 - 1/7/2016	Nuclide	Activity
				mR/Std Qtr	13.88

Sample Point 32 [ INDICATOR - ENE @ 5.8 miles ]

TLD RING TLD\_OUTER

Sample ID:	379179	Sample Dates:	1/7/2015 - 4/5/2015	Nuclide	Activity
				mR/Std Qtr	13.88
Sample ID:	379857	Sample Dates:	4/5/2015 - 7/6/2015	Nuclide	Activity
				mR/Std Qtr	10.59
Sample ID:	387805	Sample Dates:	7/6/2015 - 10/3/2015	Nuclide	Activity
				mR/Std Qtr	11.02

# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 32 [ INDICATOR - ENE @ 5.8 miles ]

TLD RING TLD\_OUTER

Sample ID:	396780	Sample Dates:	10/3/2015 - 1/9/2016	Nuclide	Activity
				mR/Std Qtr	12.21

Sample Point 33 [ INDICATOR - E @ 4.1 miles ]

TLD RING TLD\_OUTER

Sample ID:	379180	Sample Dates:	1/7/2015 - 4/5/2015	Nuclide	Activity
				mR/Std Qtr	12.14

Sample ID:	379858	Sample Dates:	4/5/2015 - 7/6/2015	Nuclide	Activity
				mR/Std Qtr	8.88

Sample ID:	387806	Sample Dates:	7/6/2015 - 10/3/2015	Nuclide	Activity
				mR/Std Qtr	6.53

Sample ID:	396781	Sample Dates:	10/3/2015 - 1/9/2016	Nuclide	Activity
				mR/Std Qtr	10.05

Sample Point 34 [ INDICATOR - E @ 5.4 miles ]

TLD RING TLD\_OUTER

Sample ID:	379181	Sample Dates:	1/7/2015 - 4/5/2015	Nuclide	Activity
				mR/Std Qtr	11.75

Sample ID:	379859	Sample Dates:	4/5/2015 - 7/6/2015	Nuclide	Activity
				mR/Std Qtr	9.09

Sample ID:	387807	Sample Dates:	7/6/2015 - 10/3/2015	Nuclide	Activity
				mR/Std Qtr	8.25

Sample ID:	396782	Sample Dates:	10/3/2015 - 1/9/2016	Nuclide	Activity
				mR/Std Qtr	10.23

Sample Point 35 [ INDICATOR - SSE @ 7.3 miles ]

TLD RING TLD\_OUTER

Sample ID:	379182	Sample Dates:	1/8/2015 - 4/2/2015	Nuclide	Activity
				mR/Std Qtr	12.06

Sample ID:	379860	Sample Dates:	4/2/2015 - 7/7/2015	Nuclide	Activity
				mR/Std Qtr	7.72

Sample ID:	387808	Sample Dates:	7/7/2015 - 10/8/2015	Nuclide	Activity
				mR/Std Qtr	6.88

Sample ID:	396783	Sample Dates:	10/8/2015 - 1/14/2016	Nuclide	Activity
				mR/Std Qtr	9.01

Sample Point 36 [ INDICATOR - NE @ 8.9 miles ]

TLD RING TLD\_OUTER

Sample ID:	379183	Sample Dates:	1/7/2015 - 4/5/2015	Nuclide	Activity
				mR/Std Qtr	11.40

Sample ID:	379861	Sample Dates:	4/5/2015 - 7/6/2015	Nuclide	Activity
				mR/Std Qtr	9.35

Sample ID:	387809	Sample Dates:	7/6/2015 - 10/3/2015	Nuclide	Activity
				mR/Std Qtr	8.45

Sample ID:	396784	Sample Dates:	10/3/2015 - 1/9/2016	Nuclide	Activity
				mR/Std Qtr	9.96

Sample Point 37 [ INDICATOR - NW @ 5.5 miles ]

TLD RING TLD\_OUTER

Sample ID:	379184	Sample Dates:	1/6/2015 - 4/3/2015	Nuclide	Activity
				mR/Std Qtr	10.36

## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 37 [ INDICATOR - NW @ 5.5 miles ]

TLD RING TLD\_OUTER

Sample ID:	379862	Sample Dates:	4/3/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	9.58
Sample ID:	387810	Sample Dates:	7/8/2015 - 10/3/2015	Nuclide	Activity
				mR/Std Qtr	6.72
Sample ID:	396785	Sample Dates:	10/3/2015 - 1/5/2016	Nuclide	Activity
				mR/Std Qtr	10.97

Sample Point 38 [ INDICATOR - W @ 11 miles ]

TLD RING TLD\_OUTER

Sample ID:	379185	Sample Dates:	1/6/2015 - 4/4/2015	Nuclide	Activity
				mR/Std Qtr	13.03
Sample ID:	379863	Sample Dates:	4/4/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	8.85
Sample ID:	387811	Sample Dates:	7/8/2015 - 10/3/2015	Nuclide	Activity
				mR/Std Qtr	8.42
Sample ID:	396786	Sample Dates:	10/3/2015 - 1/6/2016	Nuclide	Activity
				mR/Std Qtr	9.25

Sample Point 39 [ INDICATOR - SW @ 5.3 miles ]

TLD RING TLD\_OUTER

Sample ID:	379186	Sample Dates:	1/6/2015 - 4/4/2015	Nuclide	Activity
				mR/Std Qtr	19.94
Sample ID:	379864	Sample Dates:	4/4/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	14.01
Sample ID:	387812	Sample Dates:	7/8/2015 - 10/3/2015	Nuclide	Activity
				mR/Std Qtr	13.32
Sample ID:	396787	Sample Dates:	10/3/2015 - 1/6/2016	Nuclide	Activity
				mR/Std Qtr	16.49

Sample Point 40 [ INDICATOR - WSW @ 6.9 miles ]

TLD RING TLD\_OUTER

Sample ID:	379188	Sample Dates:	1/6/2015 - 4/4/2015	Nuclide	Activity
				mR/Std Qtr	15.88
Sample ID:	379866	Sample Dates:	4/4/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	12.34
Sample ID:	387814	Sample Dates:	7/8/2015 - 10/3/2015	Nuclide	Activity
				mR/Std Qtr	10.41
Sample ID:	396789	Sample Dates:	10/3/2015 - 1/6/2016	Nuclide	Activity
				mR/Std Qtr	15.64

Sample Point 75 [ INDICATOR - S @ 4.7 miles ]

TLD RING TLD\_OUTER

Sample ID:	379192	Sample Dates:	1/6/2015 - 4/4/2015	Nuclide	Activity
				mR/Std Qtr	12.91
Sample ID:	379870	Sample Dates:	4/4/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	10.40
Sample ID:	387818	Sample Dates:	7/8/2015 - 10/3/2015	Nuclide	Activity
				mR/Std Qtr	8.25
Sample ID:	396793	Sample Dates:	10/3/2015 - 1/6/2016	Nuclide	Activity
				mR/Std Qtr	12.67



## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 76 [ INDICATOR - SSW @ 4.8 miles ]

TLD RING TLD\_OUTER

Sample ID:	379193	Sample Dates:	1/6/2015 - 4/4/2015	Nuclide	Activity
				mR/Std Qtr	14.07
Sample ID:	379871	Sample Dates:	4/4/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	13.36
Sample ID:	387819	Sample Dates:	7/8/2015 - 10/3/2015	Nuclide	Activity
				mR/Std Qtr	8.65
Sample ID:	396794	Sample Dates:	10/3/2015 - 1/6/2016	Nuclide	Activity
				mR/Std Qtr	12.82

Sample Point 77 [ INDICATOR - S @ 5.4 miles ]

TLD RING TLD\_OUTER

Sample ID:	379194	Sample Dates:	1/8/2015 - 4/2/2015	Nuclide	Activity
				mR/Std Qtr	11.34
Sample ID:	379872	Sample Dates:	4/2/2015 - 7/7/2015	Nuclide	Activity
				mR/Std Qtr	8.34
Sample ID:	387820	Sample Dates:	7/7/2015 - 10/8/2015	Nuclide	Activity
				mR/Std Qtr	7.82
Sample ID:	396795	Sample Dates:	10/8/2015 - 1/14/2016	Nuclide	Activity
				mR/Std Qtr	8.82

Sample Point 78 [ INDICATOR - NNE @ 9.9 miles ]

TLD RING TLD\_OUTER

Sample ID:	379195	Sample Dates:	1/6/2015 - 4/3/2015	Nuclide	Activity
				mR/Std Qtr	10.17
Sample ID:	379873	Sample Dates:	4/3/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	9.86
Sample ID:	387821	Sample Dates:	7/8/2015 - 10/3/2015	Nuclide	Activity
				mR/Std Qtr	8.19
Sample ID:	396796	Sample Dates:	10/3/2015 - 1/5/2016	Nuclide	Activity
				mR/Std Qtr	10.50

Sample Point 79 [ INDICATOR - N @ 9.5 miles ]

TLD RING TLD\_OUTER

Sample ID:	379196	Sample Dates:	1/6/2015 - 4/3/2015	Nuclide	Activity
				mR/Std Qtr	11.12
Sample ID:	379874	Sample Dates:	4/3/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	10.50
Sample ID:	387822	Sample Dates:	7/8/2015 - 10/3/2015	Nuclide	Activity
				mR/Std Qtr	9.33
Sample ID:	396797	Sample Dates:	10/3/2015 - 1/5/2016	Nuclide	Activity
				mR/Std Qtr	10.36

Sample Point 81 [ CONTROL - WNW @ 9.9 miles ]

TLD RING TLD\_CTRL

Sample ID:	379198	Sample Dates:	1/6/2015 - 4/4/2015	Nuclide	Activity
				mR/Std Qtr	11.41
Sample ID:	379876	Sample Dates:	4/4/2015 - 7/8/2015	Nuclide	Activity
				mR/Std Qtr	12.24
Sample ID:	387824	Sample Dates:	7/8/2015 - 10/3/2015	Nuclide	Activity
				mR/Std Qtr	8.80

# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 81 [ CONTROL - WNW @ 9.9 miles ]

TLD RING TLD\_CTRL

Sample ID:	396799	Sample Dates:	10/3/2015 - 1/6/2016	Nuclide	Activity
				mR/Std Qtr	13.09

Sample Point 82 [ INDICATOR - NNE @ 0.17 miles ]

TLD RING NOT\_APPLIC

Sample ID:	379199	Sample Dates:	1/6/2015 - 4/5/2015	Nuclide	Activity
				mR/Std Qtr	29.97

Sample ID:	379877	Sample Dates:	4/5/2015 - 7/7/2015	Nuclide	Activity
				mR/Std Qtr	28.49

Sample ID:	387825	Sample Dates:	7/7/2015 - 10/7/2015	Nuclide	Activity
				mR/Std Qtr	23.09

Sample ID:	396800	Sample Dates:	10/7/2015 - 1/7/2016	Nuclide	Activity
				mR/Std Qtr	25.64

Sample Point 83 [ INDICATOR - NE @ 0.27 miles ]

TLD RING NOT\_APPLIC

Sample ID:	379200	Sample Dates:	1/6/2015 - 4/5/2015	Nuclide	Activity
				mR/Std Qtr	27.86

Sample ID:	379878	Sample Dates:	4/5/2015 - 7/7/2015	Nuclide	Activity
				mR/Std Qtr	24.48

Sample ID:	387826	Sample Dates:	7/7/2015 - 10/7/2015	Nuclide	Activity
				mR/Std Qtr	21.75

Sample ID:	396801	Sample Dates:	10/7/2015 - 1/7/2016	Nuclide	Activity
				mR/Std Qtr	24.15

Sample Point 84 [ INDICATOR - NE @ 0.27 miles ]

TLD RING NOT\_APPLIC

Sample ID:	379201	Sample Dates:	1/6/2015 - 4/5/2015	Nuclide	Activity
				mR/Std Qtr	19.55

Sample ID:	379879	Sample Dates:	4/5/2015 - 7/7/2015	Nuclide	Activity
				mR/Std Qtr	17.66

Sample ID:	387827	Sample Dates:	7/7/2015 - 10/7/2015	Nuclide	Activity
				mR/Std Qtr	15.96

Sample ID:	396802	Sample Dates:	10/7/2015 - 1/7/2016	Nuclide	Activity
				mR/Std Qtr	17.38

Sample Point 85 [ INDICATOR - ENE @ 0.09 miles ]

TLD RING NOT\_APPLIC

Sample ID:	379202	Sample Dates:	1/6/2015 - 4/5/2015	Nuclide	Activity
				mR/Std Qtr	33.37

Sample ID:	379880	Sample Dates:	4/5/2015 - 7/7/2015	Nuclide	Activity
				mR/Std Qtr	31.87

Sample ID:	387828	Sample Dates:	7/7/2015 - 10/7/2015	Nuclide	Activity
				mR/Std Qtr	25.80

Sample ID:	396803	Sample Dates:	10/7/2015 - 1/7/2016	Nuclide	Activity
				mR/Std Qtr	21.20

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

Sample Point 800 [ INDICATOR - NE @ 0.7 miles ]

Sample ID:	365700	Sample Dates:	1/5/2015 - 1/5/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<2.38E+01	0.00E+00	2.38E+01
					Co-58	<1.92E+01	0.00E+00	1.92E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 800 [ INDICATOR - NE @ 0.7 miles ]

Sample ID: 365700	Sample Dates: 1/5/2015 - 1/5/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Fe-59	<4.80E+01	0.00E+00	4.80E+01
			Co-60	<2.91E+01	0.00E+00	2.91E+01
			Zn-65	<6.20E+01	0.00E+00	6.20E+01
			Zr-95	<4.48E+01	0.00E+00	4.48E+01
			Nb-95	<2.83E+01	0.00E+00	2.83E+01
			I-131	<2.29E+01	0.00E+00	2.29E+01
			Cs-134	<2.42E+01	0.00E+00	2.42E+01
			Cs-137	<2.60E+01	0.00E+00	2.60E+01
			BaLa-140	<2.85E+01	0.00E+00	2.85E+01
			Be-7	1.09E+03	2.62E+02	2.94E+02
			K-40	2.55E+03	5.19E+02	4.29E+02
Sample ID: 369317	Sample Dates: 2/2/2015 - 2/2/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<2.11E+01	0.00E+00	2.11E+01
			Co-58	<2.19E+01	0.00E+00	2.19E+01
			Fe-59	<2.97E+01	0.00E+00	2.97E+01
			Co-60	<3.07E+01	0.00E+00	3.07E+01
			Zn-65	<5.12E+01	0.00E+00	5.12E+01
			Zr-95	<3.79E+01	0.00E+00	3.79E+01
			Nb-95	<2.28E+01	0.00E+00	2.28E+01
			I-131	<1.61E+01	0.00E+00	1.61E+01
			Cs-134	<1.91E+01	0.00E+00	1.91E+01
			Cs-137	<2.28E+01	0.00E+00	2.28E+01
			BaLa-140	<2.21E+01	0.00E+00	2.21E+01
			Be-7	2.84E+03	4.05E+02	2.37E+02
			K-40	1.65E+03	4.17E+02	3.71E+02
Sample ID: 372305	Sample Dates: 3/1/2015 - 3/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.79E+01	0.00E+00	1.79E+01
			Co-58	<1.95E+01	0.00E+00	1.95E+01
			Fe-59	<3.83E+01	0.00E+00	3.83E+01
			Co-60	<3.14E+01	0.00E+00	3.14E+01
			Zn-65	<5.51E+01	0.00E+00	5.51E+01
			Zr-95	<4.35E+01	0.00E+00	4.35E+01
			Nb-95	<2.28E+01	0.00E+00	2.28E+01
			I-131	<2.78E+01	0.00E+00	2.78E+01
			Cs-134	<2.55E+01	0.00E+00	2.55E+01
			Cs-137	<2.65E+01	0.00E+00	2.65E+01
			BaLa-140	<3.14E+01	0.00E+00	3.14E+01
			Be-7	2.08E+03	3.63E+02	2.90E+02
			K-40	2.56E+03	5.34E+02	3.62E+02
Sample ID: 375783	Sample Dates: 4/1/2015 - 4/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<2.11E+01	0.00E+00	2.11E+01
			Co-58	<1.98E+01	0.00E+00	1.98E+01
			Fe-59	<3.86E+01	0.00E+00	3.86E+01
			Co-60	<2.12E+01	0.00E+00	2.12E+01
			Zn-65	<4.64E+01	0.00E+00	4.64E+01
			Zr-95	<1.76E+01	0.00E+00	1.76E+01
			Nb-95	<1.78E+01	0.00E+00	1.78E+01
			I-131	<2.54E+01	0.00E+00	2.54E+01
			Cs-134	<1.85E+01	0.00E+00	1.85E+01
			Cs-137	<1.59E+01	0.00E+00	1.59E+01
			BaLa-140	<2.02E+01	0.00E+00	2.02E+01
			Be-7	1.59E+03	2.77E+02	2.01E+02
			K-40	2.01E+03	4.00E+02	2.25E+02
Sample ID: 378793	Sample Dates: 5/4/2015 - 5/4/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.67E+01	0.00E+00	1.67E+01
			Co-58	<1.25E+01	0.00E+00	1.25E+01
			Fe-59	<2.55E+01	0.00E+00	2.55E+01
			Co-60	<1.37E+01	0.00E+00	1.37E+01
			Zn-65	<3.88E+01	0.00E+00	3.88E+01
			Zr-95	<2.27E+01	0.00E+00	2.27E+01



**BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)**

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

Sample Point 800 [ INDICATOR - NE @ 0.7 miles ]

Sample ID: 378793	Sample Dates: 5/4/2015 - 5/4/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Nb-95	<1.22E+01	0.00E+00	1.22E+01
			I-131	<1.34E+01	0.00E+00	1.34E+01
			Cs-134	<1.46E+01	0.00E+00	1.46E+01
			Cs-137	<1.57E+01	0.00E+00	1.57E+01
			BaLa-140	<1.73E+01	0.00E+00	1.73E+01
			Be-7	6.24E+02	1.60E+02	1.79E+02
			K-40	2.79E+03	4.43E+02	2.35E+02
Sample ID: 380663	Sample Dates: 6/1/2015 - 6/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<2.30E+01	0.00E+00	2.30E+01
			Co-58	<1.88E+01	0.00E+00	1.88E+01
			Fe-59	<5.91E+01	0.00E+00	5.91E+01
			Co-60	<3.16E+01	0.00E+00	3.16E+01
			Zn-65	<5.17E+01	0.00E+00	5.17E+01
			Zr-95	<4.14E+01	0.00E+00	4.14E+01
			Nb-95	<1.81E+01	0.00E+00	1.81E+01
			I-131	<1.89E+01	0.00E+00	1.89E+01
			Cs-134	<2.71E+01	0.00E+00	2.71E+01
			Cs-137	<1.84E+01	0.00E+00	1.84E+01
			BaLa-140	<2.50E+01	0.00E+00	2.50E+01
			Be-7	6.06E+02	2.09E+02	2.51E+02
			K-40	3.02E+03	5.61E+02	5.73E+01
Sample ID: 382674	Sample Dates: 7/1/2015 - 7/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.73E+01	0.00E+00	1.73E+01
			Co-58	<1.39E+01	0.00E+00	1.39E+01
			Fe-59	<3.70E+01	0.00E+00	3.70E+01
			Co-60	<1.62E+01	0.00E+00	1.62E+01
			Zn-65	<7.14E+00	0.00E+00	7.14E+00
			Zr-95	<2.59E+01	0.00E+00	2.59E+01
			Nb-95	<1.49E+01	0.00E+00	1.49E+01
			I-131	<2.07E+01	0.00E+00	2.07E+01
			Cs-134	<1.74E+01	0.00E+00	1.74E+01
			Cs-137	<1.59E+01	0.00E+00	1.59E+01
			BaLa-140	<2.84E+01	0.00E+00	2.84E+01
			Be-7	1.10E+03	2.21E+02	1.82E+02
			K-40	2.52E+03	4.46E+02	1.64E+02
Sample ID: 385696	Sample Dates: 8/3/2015 - 8/3/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.27E+01	0.00E+00	1.27E+01
			Co-58	<1.05E+01	0.00E+00	1.05E+01
			Fe-59	<2.83E+01	0.00E+00	2.83E+01
			Co-60	<1.55E+01	0.00E+00	1.55E+01
			Zn-65	<2.34E+01	0.00E+00	2.34E+01
			Zr-95	<2.52E+01	0.00E+00	2.52E+01
			Nb-95	<1.49E+01	0.00E+00	1.49E+01
			I-131	<1.76E+01	0.00E+00	1.76E+01
			Cs-134	<1.60E+01	0.00E+00	1.60E+01
			Cs-137	<1.47E+01	0.00E+00	1.47E+01
			BaLa-140	<2.19E+01	0.00E+00	2.19E+01
			Be-7	1.14E+03	1.98E+02	1.39E+02
			K-40	2.70E+03	4.44E+02	3.16E+02
Sample ID: 389160	Sample Dates: 9/1/2015 - 9/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<2.24E+01	0.00E+00	2.24E+01
			Co-58	<1.87E+01	0.00E+00	1.87E+01
			Fe-59	<3.23E+01	0.00E+00	3.23E+01
			Co-60	<1.62E+01	0.00E+00	1.62E+01
			Zn-65	<4.27E+01	0.00E+00	4.27E+01
			Zr-95	<2.87E+01	0.00E+00	2.87E+01
			Nb-95	<1.70E+01	0.00E+00	1.70E+01
			I-131	<1.92E+01	0.00E+00	1.92E+01
			Cs-134	<1.88E+01	0.00E+00	1.88E+01
			Cs-137	<1.92E+01	0.00E+00	1.92E+01





**BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)**

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

Sample Point 800 [ INDICATOR - NE @ 0.7 miles ]

Sample ID: 389160	Sample Dates: 9/1/2015 - 9/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			BaLa-140	<2.91E+01	0.00E+00	2.91E+01
			Be-7	1.49E+03	2.77E+02	2.27E+02
			K-40	2.33E+03	4.65E+02	2.62E+02

Sample ID: 392760	Sample Dates: 10/1/2015 - 10/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<2.23E+01	0.00E+00	2.23E+01
			Co-58	<2.03E+01	0.00E+00	2.03E+01
			Fe-59	<4.05E+01	0.00E+00	4.05E+01
			Co-60	<2.45E+01	0.00E+00	2.45E+01
			Zn-65	<3.32E+01	0.00E+00	3.32E+01
			Zr-95	<3.28E+01	0.00E+00	3.28E+01
			Nb-95	<2.31E+01	0.00E+00	2.31E+01
			I-131	<2.60E+01	0.00E+00	2.60E+01
			Cs-134	<2.35E+01	0.00E+00	2.35E+01
			Cs-137	<1.77E+01	0.00E+00	1.77E+01
			BaLa-140	<3.13E+01	0.00E+00	3.13E+01
			Be-7	2.37E+03	3.89E+02	2.48E+02
			K-40	2.70E+03	5.20E+02	5.54E+01

Sample ID: 395496	Sample Dates: 11/2/2015 - 11/2/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.56E+01	0.00E+00	1.56E+01
			Co-58	<1.85E+01	0.00E+00	1.85E+01
			Fe-59	<3.60E+01	0.00E+00	3.60E+01
			Co-60	<1.93E+01	0.00E+00	1.93E+01
			Zn-65	<5.29E+01	0.00E+00	5.29E+01
			Zr-95	<3.22E+01	0.00E+00	3.22E+01
			Nb-95	<1.90E+01	0.00E+00	1.90E+01
			I-131	<2.28E+01	0.00E+00	2.28E+01
			Cs-134	<1.75E+01	0.00E+00	1.75E+01
			Cs-137	<1.87E+01	0.00E+00	1.87E+01
			BaLa-140	<1.67E+01	0.00E+00	1.67E+01
			Be-7	2.85E+03	3.76E+02	2.00E+02
			K-40	2.26E+03	4.42E+02	2.53E+02

Sample ID: 397696	Sample Dates: 12/1/2015 - 12/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.66E+01	0.00E+00	1.66E+01
			Co-58	<1.56E+01	0.00E+00	1.56E+01
			Fe-59	<3.04E+01	0.00E+00	3.04E+01
			Co-60	<2.28E+01	0.00E+00	2.28E+01
			Zn-65	<5.10E+01	0.00E+00	5.10E+01
			Zr-95	<3.73E+01	0.00E+00	3.73E+01
			Nb-95	<2.22E+01	0.00E+00	2.22E+01
			I-131	<2.11E+01	0.00E+00	2.11E+01
			Cs-134	<1.97E+01	0.00E+00	1.97E+01
			Cs-137	<2.09E+01	0.00E+00	2.09E+01
			BaLa-140	<3.09E+01	0.00E+00	3.09E+01
			Be-7	2.60E+03	3.81E+02	2.39E+02
			K-40	<5.46E+02	0.00E+00	5.46E+02

Sample Point 801 [ INDICATOR - SW @ 0.8 miles ]

Sample ID: 365701	Sample Dates: 1/5/2015 - 1/5/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.81E+01	0.00E+00	1.81E+01
			Co-58	<1.60E+01	0.00E+00	1.60E+01
			Fe-59	<3.04E+01	0.00E+00	3.04E+01
			Co-60	<1.91E+01	0.00E+00	1.91E+01
			Zn-65	<5.11E+01	0.00E+00	5.11E+01
			Zr-95	<2.59E+01	0.00E+00	2.59E+01
			Nb-95	<1.66E+01	0.00E+00	1.66E+01
			I-131	<2.06E+01	0.00E+00	2.06E+01
			Cs-134	<2.08E+01	0.00E+00	2.08E+01
			Cs-137	<1.80E+01	0.00E+00	1.80E+01
			BaLa-140	<1.96E+01	0.00E+00	1.96E+01
			Be-7	1.77E+03	2.81E+02	2.49E+02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 801 [ INDICATOR - SW @ 0.8 miles ]

Sample ID:	365701	Sample Dates:	1/5/2015 - 1/5/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
					K-40	2.32E+03	4.37E+02	3.88E+02
Sample ID:	369318	Sample Dates:	2/2/2015 - 2/2/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<2.97E+01	0.00E+00	2.97E+01
					Co-58	<1.54E+01	0.00E+00	1.54E+01
					Fe-59	<4.89E+01	0.00E+00	4.89E+01
					Co-60	<3.13E+01	0.00E+00	3.13E+01
					Zn-65	<5.70E+01	0.00E+00	5.70E+01
					Zr-95	<3.35E+01	0.00E+00	3.35E+01
					Nb-95	<2.51E+01	0.00E+00	2.51E+01
					I-131	<2.10E+01	0.00E+00	2.10E+01
					Cs-134	<2.04E+01	0.00E+00	2.04E+01
					Cs-137	<3.13E+01	0.00E+00	3.13E+01
					BaLa-140	<3.28E+01	0.00E+00	3.28E+01
					Be-7	2.03E+03	3.73E+02	3.62E+02
					K-40	1.73E+03	4.72E+02	4.92E+02
Sample ID:	372306	Sample Dates:	3/1/2015 - 3/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<1.72E+01	0.00E+00	1.72E+01
					Co-58	<1.58E+01	0.00E+00	1.58E+01
					Fe-59	<4.54E+01	0.00E+00	4.54E+01
					Co-60	<2.28E+01	0.00E+00	2.28E+01
					Zn-65	<4.69E+01	0.00E+00	4.69E+01
					Zr-95	<4.87E+01	0.00E+00	4.87E+01
					Nb-95	<2.25E+01	0.00E+00	2.25E+01
					I-131	<1.83E+01	0.00E+00	1.83E+01
					Cs-134	<2.66E+01	0.00E+00	2.66E+01
					Cs-137	<2.38E+01	0.00E+00	2.38E+01
					BaLa-140	<3.23E+01	0.00E+00	3.23E+01
					Be-7	3.45E+03	4.78E+02	2.75E+02
					K-40	1.45E+03	3.75E+02	2.51E+02
Sample ID:	375784	Sample Dates:	4/1/2015 - 4/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<1.98E+01	0.00E+00	1.98E+01
					Co-58	<1.95E+01	0.00E+00	1.95E+01
					Fe-59	<5.36E+01	0.00E+00	5.36E+01
					Co-60	<2.16E+01	0.00E+00	2.16E+01
					Zn-65	<4.49E+01	0.00E+00	4.49E+01
					Zr-95	<2.72E+01	0.00E+00	2.72E+01
					Nb-95	<1.60E+01	0.00E+00	1.60E+01
					I-131	<3.24E+01	0.00E+00	3.24E+01
					Cs-134	<1.96E+01	0.00E+00	1.96E+01
					Cs-137	<2.40E+01	0.00E+00	2.40E+01
					BaLa-140	<3.95E+01	0.00E+00	3.95E+01
					Be-7	3.63E+03	4.88E+02	2.48E+02
					K-40	1.83E+03	4.18E+02	2.80E+02
Sample ID:	378794	Sample Dates:	5/4/2015 - 5/4/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<1.52E+01	0.00E+00	1.52E+01
					Co-58	<1.68E+01	0.00E+00	1.68E+01
					Fe-59	<3.12E+01	0.00E+00	3.12E+01
					Co-60	<1.67E+01	0.00E+00	1.67E+01
					Zn-65	<3.19E+01	0.00E+00	3.19E+01
					Zr-95	<2.79E+01	0.00E+00	2.79E+01
					Nb-95	<1.14E+01	0.00E+00	1.14E+01
					I-131	<1.44E+01	0.00E+00	1.44E+01
					Cs-134	<2.17E+01	0.00E+00	2.17E+01
					Cs-137	<1.75E+01	0.00E+00	1.75E+01
					BaLa-140	<5.29E+00	0.00E+00	5.29E+00
					Be-7	2.00E+03	3.04E+02	2.10E+02
					K-40	2.98E+03	5.14E+02	3.45E+02
Sample ID:	380664	Sample Dates:	6/1/2015 - 6/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<2.23E+01	0.00E+00	2.23E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 801 [ INDICATOR - SW @ 0.8 miles ]

Sample ID: 380664	Sample Dates: 6/1/2015 - 6/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Co-58	<2.48E+01	0.00E+00	2.48E+01
			Fe-59	<4.67E+01	0.00E+00	4.67E+01
			Co-60	<2.78E+01	0.00E+00	2.78E+01
			Zn-65	<7.28E+01	0.00E+00	7.28E+01
			Zr-95	<3.81E+01	0.00E+00	3.81E+01
			Nb-95	<2.83E+01	0.00E+00	2.83E+01
			I-131	<2.34E+01	0.00E+00	2.34E+01
			Cs-134	<3.09E+01	0.00E+00	3.09E+01
			Cs-137	<2.98E+01	0.00E+00	2.98E+01
			BaLa-140	<3.17E+01	0.00E+00	3.17E+01
			Be-7	8.09E+02	2.23E+02	2.15E+02
			K-40	2.78E+03	5.84E+02	3.54E+02
Sample ID: 382675	Sample Dates: 7/1/2015 - 7/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.50E+01	0.00E+00	1.50E+01
			Co-58	<1.46E+01	0.00E+00	1.46E+01
			Fe-59	<3.40E+01	0.00E+00	3.40E+01
			Co-60	<1.22E+01	0.00E+00	1.22E+01
			Zn-65	<3.82E+01	0.00E+00	3.82E+01
			Zr-95	<3.00E+01	0.00E+00	3.00E+01
			Nb-95	<1.29E+01	0.00E+00	1.29E+01
			I-131	<2.05E+01	0.00E+00	2.05E+01
			Cs-134	<1.42E+01	0.00E+00	1.42E+01
			Cs-137	<1.90E+01	0.00E+00	1.90E+01
			BaLa-140	<1.91E+01	0.00E+00	1.91E+01
			Be-7	8.18E+02	1.73E+02	1.41E+02
			K-40	3.02E+03	4.89E+02	2.63E+02
Sample ID: 385697	Sample Dates: 8/3/2015 - 8/3/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.62E+01	0.00E+00	1.62E+01
			Co-58	<1.50E+01	0.00E+00	1.50E+01
			Fe-59	<3.20E+01	0.00E+00	3.20E+01
			Co-60	<1.63E+01	0.00E+00	1.63E+01
			Zn-65	<2.89E+01	0.00E+00	2.89E+01
			Zr-95	<2.35E+01	0.00E+00	2.35E+01
			Nb-95	<1.54E+01	0.00E+00	1.54E+01
			I-131	<2.44E+01	0.00E+00	2.44E+01
			Cs-134	<1.81E+01	0.00E+00	1.81E+01
			Cs-137	<1.37E+01	0.00E+00	1.37E+01
			BaLa-140	<2.12E+01	0.00E+00	2.12E+01
			Be-7	1.41E+03	2.42E+02	1.89E+02
			K-40	2.39E+03	4.09E+02	1.94E+02
Sample ID: 389161	Sample Dates: 9/1/2015 - 9/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.93E+01	0.00E+00	1.93E+01
			Co-58	<1.99E+01	0.00E+00	1.99E+01
			Fe-59	<3.97E+01	0.00E+00	3.97E+01
			Co-60	<2.58E+01	0.00E+00	2.58E+01
			Zn-65	<5.12E+01	0.00E+00	5.12E+01
			Zr-95	<2.28E+01	0.00E+00	2.28E+01
			Nb-95	<1.68E+01	0.00E+00	1.68E+01
			I-131	<1.78E+01	0.00E+00	1.78E+01
			Cs-134	<2.08E+01	0.00E+00	2.08E+01
			Cs-137	<2.03E+01	0.00E+00	2.03E+01
			BaLa-140	<1.52E+01	0.00E+00	1.52E+01
			Be-7	6.42E+02	2.02E+02	2.51E+02
			K-40	2.58E+03	5.06E+02	3.89E+02
Sample ID: 392761	Sample Dates: 10/1/2015 - 10/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<9.90E+00	0.00E+00	9.90E+00
			Co-58	<1.54E+01	0.00E+00	1.54E+01
			Fe-59	<3.08E+01	0.00E+00	3.08E+01
			Co-60	<2.32E+01	0.00E+00	2.32E+01
			Zn-65	<3.84E+01	0.00E+00	3.84E+01



**BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)**

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

Sample Point 801 [ INDICATOR - SW @ 0.8 miles ]

Sample ID: 392761	Sample Dates: 10/1/2015 - 10/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Zr-95	<2.68E+01	0.00E+00	2.68E+01
			Nb-95	<1.19E+01	0.00E+00	1.19E+01
			I-131	<2.53E+01	0.00E+00	2.53E+01
			Cs-134	<1.68E+01	0.00E+00	1.68E+01
			Cs-137	<1.86E+01	0.00E+00	1.86E+01
			BaLa-140	<3.31E+01	0.00E+00	3.31E+01
			Be-7	2.43E+03	3.56E+02	2.20E+02
			K-40	1.51E+03	3.44E+02	2.05E+02

Sample ID: 395497	Sample Dates: 11/2/2015 - 11/2/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.74E+01	0.00E+00	1.74E+01
			Co-58	<1.52E+01	0.00E+00	1.52E+01
			Fe-59	<3.21E+01	0.00E+00	3.21E+01
			Co-60	<2.38E+01	0.00E+00	2.38E+01
			Zn-65	<3.86E+01	0.00E+00	3.86E+01
			Zr-95	<3.19E+01	0.00E+00	3.19E+01
			Nb-95	<1.49E+01	0.00E+00	1.49E+01
			I-131	<1.81E+01	0.00E+00	1.81E+01
			Cs-134	<1.83E+01	0.00E+00	1.83E+01
			Cs-137	<1.86E+01	0.00E+00	1.86E+01
			BaLa-140	<3.33E+01	0.00E+00	3.33E+01
			Be-7	1.62E+03	2.88E+02	2.27E+02
			K-40	2.18E+03	4.47E+02	2.80E+02

Sample ID: 397697	Sample Dates: 12/1/2015 - 12/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.73E+01	0.00E+00	1.73E+01
			Co-58	<1.55E+01	0.00E+00	1.55E+01
			Fe-59	<2.85E+01	0.00E+00	2.85E+01
			Co-60	<1.98E+01	0.00E+00	1.98E+01
			Zn-65	<4.18E+01	0.00E+00	4.18E+01
			Zr-95	<2.69E+01	0.00E+00	2.69E+01
			Nb-95	<1.75E+01	0.00E+00	1.75E+01
			I-131	<1.90E+01	0.00E+00	1.90E+01
			Cs-134	<1.52E+01	0.00E+00	1.52E+01
			Cs-137	<1.95E+01	0.00E+00	1.95E+01
			BaLa-140	<1.50E+01	0.00E+00	1.50E+01
			Be-7	2.80E+03	3.81E+02	2.05E+02
			K-40	1.92E+03	4.21E+02	3.52E+02

**Sample Point 802 [ CONTROL - -- @ 10.1 miles ]**

Sample ID: 365702	Sample Dates: 1/5/2015 - 1/5/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<2.96E+01	0.00E+00	2.96E+01
			Co-58	<3.09E+01	0.00E+00	3.09E+01
			Fe-59	<6.83E+01	0.00E+00	6.83E+01
			Co-60	<4.12E+01	0.00E+00	4.12E+01
			Zn-65	<6.84E+01	0.00E+00	6.84E+01
			Zr-95	<4.69E+01	0.00E+00	4.69E+01
			Nb-95	<2.91E+01	0.00E+00	2.91E+01
			I-131	<3.70E+01	0.00E+00	3.70E+01
			Cs-134	<3.95E+01	0.00E+00	3.95E+01
			Cs-137	<5.22E+01	0.00E+00	5.22E+01
			BaLa-140	<2.58E+01	0.00E+00	2.58E+01
			Be-7	3.45E+03	5.27E+02	3.55E+02
			K-40	1.91E+03	4.82E+02	2.89E+02

Sample ID: 369319	Sample Dates: 2/2/2015 - 2/2/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.38E+01	0.00E+00	1.38E+01
			Co-58	<1.58E+01	0.00E+00	1.58E+01
			Fe-59	<3.15E+01	0.00E+00	3.15E+01
			Co-60	<2.20E+01	0.00E+00	2.20E+01
			Zn-65	<3.70E+01	0.00E+00	3.70E+01
			Zr-95	<1.54E+01	0.00E+00	1.54E+01
			Nb-95	<1.27E+01	0.00E+00	1.27E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 802 [ CONTROL - -- @ 10.1 miles ]

Sample ID: 369319	Sample Dates: 2/2/2015 - 2/2/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			I-131	<2.36E+01	0.00E+00	2.36E+01
			Cs-134	<1.44E+01	0.00E+00	1.44E+01
			Cs-137	<1.06E+01	0.00E+00	1.06E+01
			BaLa-140	<6.26E+00	0.00E+00	6.26E+00
			Be-7	4.87E+03	5.60E+02	1.69E+02
			K-40	8.49E+02	2.38E+02	1.76E+02
Sample ID: 372307	Sample Dates: 3/1/2015 - 3/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.49E+01	0.00E+00	1.49E+01
			Co-58	<1.58E+01	0.00E+00	1.58E+01
			Fe-59	<3.22E+01	0.00E+00	3.22E+01
			Co-60	<1.33E+01	0.00E+00	1.33E+01
			Zn-65	<2.33E+01	0.00E+00	2.33E+01
			Zr-95	<2.26E+01	0.00E+00	2.26E+01
			Nb-95	<1.55E+01	0.00E+00	1.55E+01
			I-131	<1.77E+01	0.00E+00	1.77E+01
			Cs-134	<1.33E+01	0.00E+00	1.33E+01
			Cs-137	<1.44E+01	0.00E+00	1.44E+01
			BaLa-140	<1.49E+01	0.00E+00	1.49E+01
			Be-7	3.94E+03	4.80E+02	1.80E+02
			K-40	1.47E+03	3.32E+02	2.19E+02
Sample ID: 375785	Sample Dates: 4/1/2015 - 4/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.85E+01	0.00E+00	1.85E+01
			Co-58	<2.09E+01	0.00E+00	2.09E+01
			Fe-59	<2.53E+01	0.00E+00	2.53E+01
			Co-60	<1.91E+01	0.00E+00	1.91E+01
			Zn-65	<4.23E+01	0.00E+00	4.23E+01
			Zr-95	<3.65E+01	0.00E+00	3.65E+01
			Nb-95	<1.79E+01	0.00E+00	1.79E+01
			I-131	<2.88E+01	0.00E+00	2.88E+01
			Cs-134	<2.32E+01	0.00E+00	2.32E+01
			Cs-137	<2.32E+01	0.00E+00	2.32E+01
			BaLa-140	<3.51E+01	0.00E+00	3.51E+01
			Be-7	3.42E+03	4.61E+02	2.65E+02
			K-40	2.07E+03	4.03E+02	4.31E+01
Sample ID: 378795	Sample Dates: 5/4/2015 - 5/4/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<9.80E+00	0.00E+00	9.80E+00
			Co-58	<7.95E+00	0.00E+00	7.95E+00
			Fe-59	<1.97E+01	0.00E+00	1.97E+01
			Co-60	<1.06E+01	0.00E+00	1.06E+01
			Zn-65	<1.93E+01	0.00E+00	1.93E+01
			Zr-95	<1.53E+01	0.00E+00	1.53E+01
			Nb-95	<1.05E+01	0.00E+00	1.05E+01
			I-131	<9.97E+00	0.00E+00	9.97E+00
			Cs-134	<1.07E+01	0.00E+00	1.07E+01
			Cs-137	3.72E+01	1.33E+01	1.75E+01
			BaLa-140	<9.71E+00	0.00E+00	9.71E+00
			Be-7	6.55E+02	1.30E+02	1.36E+02
			K-40	2.46E+03	3.32E+02	1.47E+02
Sample ID: 380665	Sample Dates: 6/1/2015 - 6/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.22E+01	0.00E+00	1.22E+01
			Co-58	<1.35E+01	0.00E+00	1.35E+01
			Fe-59	<2.99E+01	0.00E+00	2.99E+01
			Co-60	<1.70E+01	0.00E+00	1.70E+01
			Zn-65	<3.57E+01	0.00E+00	3.57E+01
			Zr-95	<2.83E+01	0.00E+00	2.83E+01
			Nb-95	<1.68E+01	0.00E+00	1.68E+01
			I-131	<1.49E+01	0.00E+00	1.49E+01
			Cs-134	<1.62E+01	0.00E+00	1.62E+01
			Cs-137	2.23E+01	1.32E+01	1.91E+01
			BaLa-140	<1.62E+01	0.00E+00	1.62E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 802 [ CONTROL - -- @ 10.1 miles ]

Sample ID:	380665	Sample Dates:	6/1/2015 - 6/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
					Be-7	4.77E+02	1.32E+02	1.54E+02
					K-40	2.44E+03	3.74E+02	2.78E+01
Sample ID:	382676	Sample Dates:	7/1/2015 - 7/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<2.00E+01	0.00E+00	2.00E+01
					Co-58	<2.04E+01	0.00E+00	2.04E+01
					Fe-59	<3.83E+01	0.00E+00	3.83E+01
					Co-60	<4.49E+00	0.00E+00	4.49E+00
					Zn-65	<3.50E+01	0.00E+00	3.50E+01
					Zr-95	<3.39E+01	0.00E+00	3.39E+01
					Nb-95	<1.53E+01	0.00E+00	1.53E+01
					I-131	<2.35E+01	0.00E+00	2.35E+01
					Cs-134	<2.04E+01	0.00E+00	2.04E+01
					Cs-137	<3.07E+01	0.00E+00	3.07E+01
					BaLa-140	<2.41E+01	0.00E+00	2.41E+01
					Be-7	1.39E+03	2.64E+02	2.10E+02
					K-40	1.75E+03	4.15E+02	3.57E+02
Sample ID:	385698	Sample Dates:	8/3/2015 - 8/3/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<1.31E+01	0.00E+00	1.31E+01
					Co-58	<1.69E+01	0.00E+00	1.69E+01
					Fe-59	<2.47E+01	0.00E+00	2.47E+01
					Co-60	<2.24E+01	0.00E+00	2.24E+01
					Zn-65	<2.20E+01	0.00E+00	2.20E+01
					Zr-95	<3.29E+01	0.00E+00	3.29E+01
					Nb-95	<1.74E+01	0.00E+00	1.74E+01
					I-131	<2.75E+01	0.00E+00	2.75E+01
					Cs-134	<1.95E+01	0.00E+00	1.95E+01
					Cs-137	<2.04E+01	0.00E+00	2.04E+01
					BaLa-140	<2.66E+01	0.00E+00	2.66E+01
					Be-7	1.00E+03	2.08E+02	1.81E+02
					K-40	1.91E+03	3.66E+02	1.70E+02
Sample ID:	389162	Sample Dates:	9/1/2015 - 9/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<1.55E+01	0.00E+00	1.55E+01
					Co-58	<1.54E+01	0.00E+00	1.54E+01
					Fe-59	<2.06E+01	0.00E+00	2.06E+01
					Co-60	<1.32E+01	0.00E+00	1.32E+01
					Zn-65	<4.31E+01	0.00E+00	4.31E+01
					Zr-95	<3.16E+01	0.00E+00	3.16E+01
					Nb-95	<2.00E+01	0.00E+00	2.00E+01
					I-131	<1.12E+01	0.00E+00	1.12E+01
					Cs-134	<2.06E+01	0.00E+00	2.06E+01
					Cs-137	<1.33E+01	0.00E+00	1.33E+01
					BaLa-140	<1.39E+01	0.00E+00	1.39E+01
					Be-7	1.32E+03	2.42E+02	2.02E+02
					K-40	1.42E+03	3.34E+02	2.59E+02
Sample ID:	392762	Sample Dates:	10/1/2015 - 10/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<1.86E+01	0.00E+00	1.86E+01
					Co-58	<1.67E+01	0.00E+00	1.67E+01
					Fe-59	<3.47E+01	0.00E+00	3.47E+01
					Co-60	<2.10E+01	0.00E+00	2.10E+01
					Zn-65	<3.43E+01	0.00E+00	3.43E+01
					Zr-95	<2.58E+01	0.00E+00	2.58E+01
					Nb-95	<1.68E+01	0.00E+00	1.68E+01
					I-131	<2.11E+01	0.00E+00	2.11E+01
					Cs-134	<2.30E+01	0.00E+00	2.30E+01
					Cs-137	<1.92E+01	0.00E+00	1.92E+01
					BaLa-140	<2.92E+01	0.00E+00	2.92E+01
					Be-7	9.45E+02	2.22E+02	2.34E+02
					K-40	1.08E+03	3.28E+02	3.50E+02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 802 [ CONTROL - -- @ 10.1 miles ]

Sample ID:	395498	Sample Dates:	11/2/2015 - 11/2/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<1.92E+01	0.00E+00	1.92E+01
					Co-58	<1.75E+01	0.00E+00	1.75E+01
					Fe-59	<3.04E+01	0.00E+00	3.04E+01
					Co-60	<1.48E+01	0.00E+00	1.48E+01
					Zn-65	<3.35E+01	0.00E+00	3.35E+01
					Zr-95	<2.51E+01	0.00E+00	2.51E+01
					Nb-95	<2.24E+01	0.00E+00	2.24E+01
					I-131	<1.87E+01	0.00E+00	1.87E+01
					Cs-134	<2.48E+01	0.00E+00	2.48E+01
					Cs-137	<2.44E+01	0.00E+00	2.44E+01
					BaLa-140	<2.07E+01	0.00E+00	2.07E+01
					Be-7	2.05E+03	3.26E+02	2.37E+02
					K-40	1.88E+03	3.87E+02	1.79E+02

Sample ID:	397698	Sample Dates:	12/1/2015 - 12/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<1.74E+01	0.00E+00	1.74E+01
					Co-58	<1.63E+01	0.00E+00	1.63E+01
					Fe-59	<3.72E+01	0.00E+00	3.72E+01
					Co-60	<1.56E+01	0.00E+00	1.56E+01
					Zn-65	<3.16E+01	0.00E+00	3.16E+01
					Zr-95	<3.77E+01	0.00E+00	3.77E+01
					Nb-95	<1.87E+01	0.00E+00	1.87E+01
					I-131	<1.99E+01	0.00E+00	1.99E+01
					Cs-134	<2.07E+01	0.00E+00	2.07E+01
					Cs-137	<1.96E+01	0.00E+00	1.96E+01
					BaLa-140	<2.42E+01	0.00E+00	2.42E+01
					Be-7	4.05E+03	5.13E+02	2.53E+02
					K-40	1.20E+03	3.22E+02	2.38E+02

Sample Point 803 [ INDICATOR - SSE @ 0.6 miles ]

Sample ID:	365703	Sample Dates:	1/5/2015 - 1/5/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<2.72E+01	0.00E+00	2.72E+01
					Co-58	<2.40E+01	0.00E+00	2.40E+01
					Fe-59	<4.66E+01	0.00E+00	4.66E+01
					Co-60	<3.67E+01	0.00E+00	3.67E+01
					Zn-65	<5.51E+01	0.00E+00	5.51E+01
					Zr-95	<4.87E+01	0.00E+00	4.87E+01
					Nb-95	<2.45E+01	0.00E+00	2.45E+01
					I-131	<2.41E+01	0.00E+00	2.41E+01
					Cs-134	<3.05E+01	0.00E+00	3.05E+01
					Cs-137	<3.37E+01	0.00E+00	3.37E+01
					BaLa-140	<2.10E+01	0.00E+00	2.10E+01
					Be-7	1.84E+03	3.99E+02	4.50E+02
					K-40	1.58E+03	4.27E+02	3.50E+02

Sample ID:	369320	Sample Dates:	2/2/2015 - 2/2/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<1.35E+01	0.00E+00	1.35E+01
					Co-58	<1.10E+01	0.00E+00	1.10E+01
					Fe-59	<2.24E+01	0.00E+00	2.24E+01
					Co-60	<9.12E+00	0.00E+00	9.12E+00
					Zn-65	<2.86E+01	0.00E+00	2.86E+01
					Zr-95	<2.08E+01	0.00E+00	2.08E+01
					Nb-95	<1.34E+01	0.00E+00	1.34E+01
					I-131	<1.68E+01	0.00E+00	1.68E+01
					Cs-134	<1.32E+01	0.00E+00	1.32E+01
					Cs-137	<1.31E+01	0.00E+00	1.31E+01
					BaLa-140	<1.23E+01	0.00E+00	1.23E+01
					Be-7	2.10E+03	2.63E+02	1.34E+02
					K-40	1.64E+03	2.88E+02	2.13E+02

Sample ID:	372308	Sample Dates:	3/1/2015 - 3/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<1.84E+01	0.00E+00	1.84E+01
					Co-58	<1.50E+01	0.00E+00	1.50E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 803 [ INDICATOR - SSE @ 0.6 miles ]

Sample ID: 372308	Sample Dates: 3/1/2015 - 3/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Fe-59	<3.92E+01	0.00E+00	3.92E+01
			Co-60	<1.43E+01	0.00E+00	1.43E+01
			Zn-65	<4.48E+01	0.00E+00	4.48E+01
			Zr-95	<2.78E+01	0.00E+00	2.78E+01
			Nb-95	<1.67E+01	0.00E+00	1.67E+01
			I-131	<2.05E+01	0.00E+00	2.05E+01
			Cs-134	<1.88E+01	0.00E+00	1.88E+01
			Cs-137	<1.99E+01	0.00E+00	1.99E+01
			BaLa-140	<2.97E+01	0.00E+00	2.97E+01
			Be-7	2.83E+03	3.95E+02	2.11E+02
			K-40	1.56E+03	3.91E+02	3.70E+02
Sample ID: 375786	Sample Dates: 4/1/2015 - 4/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.92E+01	0.00E+00	1.92E+01
			Co-58	<1.62E+01	0.00E+00	1.62E+01
			Fe-59	<4.08E+01	0.00E+00	4.08E+01
			Co-60	<1.91E+01	0.00E+00	1.91E+01
			Zn-65	<3.02E+01	0.00E+00	3.02E+01
			Zr-95	<4.14E+01	0.00E+00	4.14E+01
			Nb-95	<1.55E+01	0.00E+00	1.55E+01
			I-131	<2.88E+01	0.00E+00	2.88E+01
			Cs-134	<1.73E+01	0.00E+00	1.73E+01
			Cs-137	<2.11E+01	0.00E+00	2.11E+01
			BaLa-140	<7.89E+00	0.00E+00	7.89E+00
			Be-7	2.09E+03	3.22E+02	1.79E+02
			K-40	1.93E+03	4.05E+02	2.50E+02
Sample ID: 378796	Sample Dates: 5/4/2015 - 5/4/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.26E+01	0.00E+00	1.26E+01
			Co-58	<1.49E+01	0.00E+00	1.49E+01
			Fe-59	<2.71E+01	0.00E+00	2.71E+01
			Co-60	<2.36E+01	0.00E+00	2.36E+01
			Zn-65	<2.73E+01	0.00E+00	2.73E+01
			Zr-95	<2.46E+01	0.00E+00	2.46E+01
			Nb-95	<1.24E+01	0.00E+00	1.24E+01
			I-131	<1.45E+01	0.00E+00	1.45E+01
			Cs-134	<1.50E+01	0.00E+00	1.50E+01
			Cs-137	<1.79E+01	0.00E+00	1.79E+01
			BaLa-140	<1.71E+01	0.00E+00	1.71E+01
			Be-7	1.30E+03	2.29E+02	1.74E+02
			K-40	2.51E+03	4.27E+02	1.81E+02
Sample ID: 380666	Sample Dates: 6/1/2015 - 6/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<2.66E+01	0.00E+00	2.66E+01
			Co-58	<2.24E+01	0.00E+00	2.24E+01
			Fe-59	<5.44E+01	0.00E+00	5.44E+01
			Co-60	<2.79E+01	0.00E+00	2.79E+01
			Zn-65	<6.74E+01	0.00E+00	6.74E+01
			Zr-95	<3.61E+01	0.00E+00	3.61E+01
			Nb-95	<2.44E+01	0.00E+00	2.44E+01
			I-131	<2.10E+01	0.00E+00	2.10E+01
			Cs-134	<2.69E+01	0.00E+00	2.69E+01
			Cs-137	<2.46E+01	0.00E+00	2.46E+01
			BaLa-140	<2.25E+01	0.00E+00	2.25E+01
			Be-7	3.49E+02	2.01E+02	2.90E+02
			K-40	2.69E+03	5.84E+02	4.09E+02
Sample ID: 382677	Sample Dates: 7/1/2015 - 7/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<2.71E+01	0.00E+00	2.71E+01
			Co-58	<1.88E+01	0.00E+00	1.88E+01
			Fe-59	<3.35E+01	0.00E+00	3.35E+01
			Co-60	<1.76E+01	0.00E+00	1.76E+01
			Zn-65	<4.37E+01	0.00E+00	4.37E+01
			Zr-95	<4.66E+01	0.00E+00	4.66E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 803 [ INDICATOR - SSE @ 0.6 miles ]

Sample ID: 382677	Sample Dates: 7/1/2015 - 7/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Nb-95	<1.60E+01	0.00E+00	1.60E+01
			I-131	<2.15E+01	0.00E+00	2.15E+01
			Cs-134	<1.76E+01	0.00E+00	1.76E+01
			Cs-137	<2.10E+01	0.00E+00	2.10E+01
			BaLa-140	<4.19E+01	0.00E+00	4.19E+01
			Be-7	9.92E+02	2.24E+02	1.79E+02
Sample ID: 385699	Sample Dates: 8/3/2015 - 8/3/2015	WAXMYRTLE	K-40	3.30E+03	5.91E+02	3.07E+02
			Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<8.96E+00	0.00E+00	8.96E+00
			Co-58	<1.17E+01	0.00E+00	1.17E+01
			Fe-59	<3.20E+01	0.00E+00	3.20E+01
			Co-60	<1.29E+01	0.00E+00	1.29E+01
			Zn-65	<3.16E+01	0.00E+00	3.16E+01
Sample ID: 389163	Sample Dates: 9/1/2015 - 9/1/2015	WAXMYRTLE	Zr-95	<2.15E+01	0.00E+00	2.15E+01
			Nb-95	<1.39E+01	0.00E+00	1.39E+01
			I-131	<1.71E+01	0.00E+00	1.71E+01
			Cs-134	<1.45E+01	0.00E+00	1.45E+01
			Cs-137	<1.13E+01	0.00E+00	1.13E+01
			BaLa-140	<1.45E+01	0.00E+00	1.45E+01
			Be-7	3.55E+02	1.33E+02	1.75E+02
Sample ID: 392763	Sample Dates: 10/1/2015 - 10/1/2015	WAXMYRTLE	K-40	1.79E+03	3.24E+02	1.65E+02
			Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.37E+01	0.00E+00	1.37E+01
			Co-58	<1.65E+01	0.00E+00	1.65E+01
			Fe-59	<3.78E+01	0.00E+00	3.78E+01
			Co-60	<1.12E+01	0.00E+00	1.12E+01
			Zn-65	<1.96E+01	0.00E+00	1.96E+01
Sample ID: 395499	Sample Dates: 11/2/2015 - 11/2/2015	WAXMYRTLE	Zr-95	<2.86E+01	0.00E+00	2.86E+01
			Nb-95	<1.51E+01	0.00E+00	1.51E+01
			I-131	<1.77E+01	0.00E+00	1.77E+01
			Cs-134	<1.54E+01	0.00E+00	1.54E+01
			Cs-137	<2.04E+01	0.00E+00	2.04E+01
			BaLa-140	<1.49E+01	0.00E+00	1.49E+01
			Be-7	2.16E+03	3.20E+02	1.65E+02
Sample ID: 392763	Sample Dates: 10/1/2015 - 10/1/2015	WAXMYRTLE	K-40	2.63E+03	4.69E+02	2.21E+02
			Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.99E+01	0.00E+00	1.99E+01
			Co-58	<2.48E+01	0.00E+00	2.48E+01
			Fe-59	<4.80E+01	0.00E+00	4.80E+01
			Co-60	<3.11E+01	0.00E+00	3.11E+01
			Zn-65	<4.66E+01	0.00E+00	4.66E+01
Sample ID: 392763	Sample Dates: 10/1/2015 - 10/1/2015	WAXMYRTLE	Zr-95	<4.73E+01	0.00E+00	4.73E+01
			Nb-95	<2.36E+01	0.00E+00	2.36E+01
			I-131	<3.05E+01	0.00E+00	3.05E+01
			Cs-134	<2.55E+01	0.00E+00	2.55E+01
			Cs-137	<2.65E+01	0.00E+00	2.65E+01
			BaLa-140	<2.66E+01	0.00E+00	2.66E+01
			Be-7	2.22E+03	3.82E+02	2.66E+02
Sample ID: 395499	Sample Dates: 11/2/2015 - 11/2/2015	WAXMYRTLE	K-40	2.52E+03	5.38E+02	3.12E+02
			Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.66E+01	0.00E+00	1.66E+01
			Co-58	<1.25E+01	0.00E+00	1.25E+01
			Fe-59	<2.89E+01	0.00E+00	2.89E+01
			Co-60	<1.29E+01	0.00E+00	1.29E+01
			Zn-65	<4.04E+01	0.00E+00	4.04E+01
Sample ID: 395499	Sample Dates: 11/2/2015 - 11/2/2015	WAXMYRTLE	Zr-95	<2.49E+01	0.00E+00	2.49E+01
			Nb-95	<1.70E+01	0.00E+00	1.70E+01
			I-131	<1.69E+01	0.00E+00	1.69E+01
			Cs-134	<1.60E+01	0.00E+00	1.60E+01
			Cs-137	<1.85E+01	0.00E+00	1.85E+01



**BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)**

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

Sample Point 803 [ INDICATOR - SSE @ 0.6 miles ]

Sample ID:	Sample Dates:	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
395499	11/2/2015 - 11/2/2015		BaLa-140	<2.93E+01	0.00E+00	2.93E+01
			Be-7	4.34E+03	5.21E+02	2.76E+02
			K-40	1.79E+03	3.58E+02	1.72E+02
Sample ID:	Sample Dates:	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
397699	12/1/2015 - 12/1/2015		Mn-54	<1.69E+01	0.00E+00	1.69E+01
			Co-58	<1.81E+01	0.00E+00	1.81E+01
			Fe-59	<3.55E+01	0.00E+00	3.55E+01
			Co-60	<2.66E+01	0.00E+00	2.66E+01
			Zn-65	<2.42E+01	0.00E+00	2.42E+01
			Zr-95	<2.92E+01	0.00E+00	2.92E+01
			Nb-95	<1.98E+01	0.00E+00	1.98E+01
			I-131	<2.30E+01	0.00E+00	2.30E+01
			Cs-134	<1.90E+01	0.00E+00	1.90E+01
			Cs-137	<2.93E+01	0.00E+00	2.93E+01
			BaLa-140	<3.03E+01	0.00E+00	3.03E+01
			Be-7	5.21E+03	6.24E+02	2.38E+02
			K-40	2.00E+03	4.43E+02	2.70E+02

Sample Point 804 [ INDICATOR - S @ 0.7 miles ]

Sample ID:	Sample Dates:	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
365704	1/5/2015 - 1/5/2015		Mn-54	<1.76E+01	0.00E+00	1.76E+01
			Co-58	<1.76E+01	0.00E+00	1.76E+01
			Fe-59	<5.01E+01	0.00E+00	5.01E+01
			Co-60	<2.79E+01	0.00E+00	2.79E+01
			Zn-65	<5.88E+01	0.00E+00	5.88E+01
			Zr-95	<3.19E+01	0.00E+00	3.19E+01
			Nb-95	<2.13E+01	0.00E+00	2.13E+01
			I-131	<2.31E+01	0.00E+00	2.31E+01
			Cs-134	<2.66E+01	0.00E+00	2.66E+01
			Cs-137	<2.71E+01	0.00E+00	2.71E+01
			BaLa-140	<1.95E+01	0.00E+00	1.95E+01
			Be-7	1.65E+03	3.67E+02	4.55E+02
			K-40	1.58E+03	4.15E+02	4.37E+02
Sample ID:	Sample Dates:	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
369321	2/2/2015 - 2/2/2015		Mn-54	<2.22E+01	0.00E+00	2.22E+01
			Co-58	<2.07E+01	0.00E+00	2.07E+01
			Fe-59	<3.17E+01	0.00E+00	3.17E+01
			Co-60	<1.79E+01	0.00E+00	1.79E+01
			Zn-65	<3.48E+01	0.00E+00	3.48E+01
			Zr-95	<3.45E+01	0.00E+00	3.45E+01
			Nb-95	<2.19E+01	0.00E+00	2.19E+01
			I-131	<1.82E+01	0.00E+00	1.82E+01
			Cs-134	<2.22E+01	0.00E+00	2.22E+01
			Cs-137	<1.99E+01	0.00E+00	1.99E+01
			BaLa-140	<1.73E+01	0.00E+00	1.73E+01
			Be-7	1.81E+03	2.94E+02	1.80E+02
			K-40	1.30E+03	3.23E+02	1.78E+02
Sample ID:	Sample Dates:	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
372309	3/1/2015 - 3/1/2015		Mn-54	<1.89E+01	0.00E+00	1.89E+01
			Co-58	<2.31E+01	0.00E+00	2.31E+01
			Fe-59	<4.67E+01	0.00E+00	4.67E+01
			Co-60	<2.20E+01	0.00E+00	2.20E+01
			Zn-65	<3.45E+01	0.00E+00	3.45E+01
			Zr-95	<4.01E+01	0.00E+00	4.01E+01
			Nb-95	<2.19E+01	0.00E+00	2.19E+01
			I-131	<2.20E+01	0.00E+00	2.20E+01
			Cs-134	<2.35E+01	0.00E+00	2.35E+01
			Cs-137	<2.29E+01	0.00E+00	2.29E+01
			BaLa-140	<3.24E+01	0.00E+00	3.24E+01
			Be-7	1.94E+03	3.37E+02	2.66E+02



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 804 [ INDICATOR - S @ 0.7 miles ]

Sample ID:	372309	Sample Dates:	3/1/2015 - 3/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
					K-40	2.00E+03	4.44E+02	3.04E+02
Sample ID:	375787	Sample Dates:	4/1/2015 - 4/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<1.61E+01	0.00E+00	1.61E+01
					Co-58	<1.46E+01	0.00E+00	1.46E+01
					Fe-59	<4.18E+01	0.00E+00	4.18E+01
					Co-60	<1.66E+01	0.00E+00	1.66E+01
					Zn-65	<3.57E+01	0.00E+00	3.57E+01
					Zr-95	<2.92E+01	0.00E+00	2.92E+01
					Nb-95	<1.38E+01	0.00E+00	1.38E+01
					I-131	<2.80E+01	0.00E+00	2.80E+01
					Cs-134	<1.89E+01	0.00E+00	1.89E+01
					Cs-137	<1.63E+01	0.00E+00	1.63E+01
					BaLa-140	<2.62E+01	0.00E+00	2.62E+01
					Be-7	2.03E+03	3.28E+02	2.31E+02
					K-40	2.02E+03	4.00E+02	1.99E+02
Sample ID:	378797	Sample Dates:	5/4/2015 - 5/4/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<1.15E+01	0.00E+00	1.15E+01
					Co-58	<1.09E+01	0.00E+00	1.09E+01
					Fe-59	<3.15E+01	0.00E+00	3.15E+01
					Co-60	<1.75E+01	0.00E+00	1.75E+01
					Zn-65	<2.41E+01	0.00E+00	2.41E+01
					Zr-95	<1.52E+01	0.00E+00	1.52E+01
					Nb-95	<8.59E+00	0.00E+00	8.59E+00
					I-131	<1.40E+01	0.00E+00	1.40E+01
					Cs-134	<1.53E+01	0.00E+00	1.53E+01
					Cs-137	<9.90E+00	0.00E+00	9.90E+00
					BaLa-140	<1.95E+01	0.00E+00	1.95E+01
					Be-7	4.96E+02	1.32E+02	1.44E+02
					K-40	2.30E+03	3.72E+02	1.66E+02
Sample ID:	380667	Sample Dates:	6/1/2015 - 6/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<2.09E+01	0.00E+00	2.09E+01
					Co-58	<2.08E+01	0.00E+00	2.08E+01
					Fe-59	<4.16E+01	0.00E+00	4.16E+01
					Co-60	<2.44E+01	0.00E+00	2.44E+01
					Zn-65	<4.64E+01	0.00E+00	4.64E+01
					Zr-95	<3.38E+01	0.00E+00	3.38E+01
					Nb-95	<1.76E+01	0.00E+00	1.76E+01
					I-131	<1.98E+01	0.00E+00	1.98E+01
					Cs-134	<2.72E+01	0.00E+00	2.72E+01
					Cs-137	<2.63E+01	0.00E+00	2.63E+01
					BaLa-140	<2.49E+01	0.00E+00	2.49E+01
					Be-7	3.53E+02	1.75E+02	2.42E+02
					K-40	2.52E+03	5.51E+02	4.44E+02
Sample ID:	382678	Sample Dates:	7/1/2015 - 7/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<1.95E+01	0.00E+00	1.95E+01
					Co-58	<1.74E+01	0.00E+00	1.74E+01
					Fe-59	<3.34E+01	0.00E+00	3.34E+01
					Co-60	<1.87E+01	0.00E+00	1.87E+01
					Zn-65	<4.56E+01	0.00E+00	4.56E+01
					Zr-95	<2.86E+01	0.00E+00	2.86E+01
					Nb-95	<2.14E+01	0.00E+00	2.14E+01
					I-131	<2.33E+01	0.00E+00	2.33E+01
					Cs-134	<1.91E+01	0.00E+00	1.91E+01
					Cs-137	<2.02E+01	0.00E+00	2.02E+01
					BaLa-140	<3.21E+01	0.00E+00	3.21E+01
					Be-7	1.22E+03	2.40E+02	2.00E+02
					K-40	2.36E+03	4.59E+02	3.10E+02
Sample ID:	385700	Sample Dates:	8/3/2015 - 8/3/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
					Mn-54	<1.04E+01	0.00E+00	1.04E+01



# BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 804 [ INDICATOR - S @ 0.7 miles ]

Sample ID: 385700	Sample Dates: 8/3/2015 - 8/3/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Co-58	<7.21E+00	0.00E+00	7.21E+00
			Fe-59	<2.12E+01	0.00E+00	2.12E+01
			Co-60	<1.06E+01	0.00E+00	1.06E+01
			Zn-65	<2.51E+01	0.00E+00	2.51E+01
			Zr-95	<1.34E+01	0.00E+00	1.34E+01
			Nb-95	<1.35E+01	0.00E+00	1.35E+01
			I-131	<1.68E+01	0.00E+00	1.68E+01
			Cs-134	<1.03E+01	0.00E+00	1.03E+01
			Cs-137	<1.15E+01	0.00E+00	1.15E+01
			BaLa-140	<2.21E+01	0.00E+00	2.21E+01
			Be-7	9.42E+02	1.68E+02	1.61E+02
			K-40	1.89E+03	3.03E+02	2.14E+02
Sample ID: 389164	Sample Dates: 9/1/2015 - 9/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.69E+01	0.00E+00	1.69E+01
			Co-58	<1.85E+01	0.00E+00	1.85E+01
			Fe-59	<4.05E+01	0.00E+00	4.05E+01
			Co-60	<1.87E+01	0.00E+00	1.87E+01
			Zn-65	<3.26E+01	0.00E+00	3.26E+01
			Zr-95	<3.81E+01	0.00E+00	3.81E+01
			Nb-95	<2.00E+01	0.00E+00	2.00E+01
			I-131	<1.63E+01	0.00E+00	1.63E+01
			Cs-134	<2.33E+01	0.00E+00	2.33E+01
			Cs-137	<2.20E+01	0.00E+00	2.20E+01
			BaLa-140	<1.92E+01	0.00E+00	1.92E+01
			Be-7	7.06E+02	1.88E+02	2.04E+02
			K-40	2.22E+03	4.15E+02	4.24E+01
Sample ID: 392764	Sample Dates: 10/1/2015 - 10/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.68E+01	0.00E+00	1.68E+01
			Co-58	<1.41E+01	0.00E+00	1.41E+01
			Fe-59	<5.13E+01	0.00E+00	5.13E+01
			Co-60	<1.72E+01	0.00E+00	1.72E+01
			Zn-65	<3.92E+01	0.00E+00	3.92E+01
			Zr-95	<3.62E+01	0.00E+00	3.62E+01
			Nb-95	<2.40E+01	0.00E+00	2.40E+01
			I-131	<2.17E+01	0.00E+00	2.17E+01
			Cs-134	<2.38E+01	0.00E+00	2.38E+01
			Cs-137	<2.05E+01	0.00E+00	2.05E+01
			BaLa-140	<3.69E+01	0.00E+00	3.69E+01
			Be-7	1.76E+03	3.27E+02	2.71E+02
			K-40	1.62E+03	4.03E+02	3.05E+02
Sample ID: 395500	Sample Dates: 11/2/2015 - 11/2/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.11E+01	0.00E+00	1.11E+01
			Co-58	<2.17E+01	0.00E+00	2.17E+01
			Fe-59	<2.56E+01	0.00E+00	2.56E+01
			Co-60	<2.09E+01	0.00E+00	2.09E+01
			Zn-65	<4.81E+01	0.00E+00	4.81E+01
			Zr-95	<3.29E+01	0.00E+00	3.29E+01
			Nb-95	<2.04E+01	0.00E+00	2.04E+01
			I-131	<1.99E+01	0.00E+00	1.99E+01
			Cs-134	<1.88E+01	0.00E+00	1.88E+01
			Cs-137	<1.38E+01	0.00E+00	1.38E+01
			BaLa-140	<3.46E+01	0.00E+00	3.46E+01
			Be-7	2.03E+03	3.30E+02	2.17E+02
			K-40	<3.83E+02	0.00E+00	3.83E+02
Sample ID: 397700	Sample Dates: 12/1/2015 - 12/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
			Mn-54	<1.51E+01	0.00E+00	1.51E+01
			Co-58	<1.51E+01	0.00E+00	1.51E+01
			Fe-59	<4.56E+01	0.00E+00	4.56E+01
			Co-60	<2.20E+01	0.00E+00	2.20E+01
			Zn-65	<4.50E+01	0.00E+00	4.50E+01



## BRUNSWICK Radiological Environmental Monitoring Analysis Report - 2015 (Appendix E)

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

Sample Point 804 [ INDICATOR - S @ 0.7 miles ]

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Sample ID:	397700	Sample Dates:	12/1/2015 - 12/1/2015	WAXMYRTLE	Nuclide	Activity	2 Sigma Error	LLD
					Zr-95	<2.62E+01	0.00E+00	2.62E+01
					Nb-95	<2.13E+01	0.00E+00	2.13E+01
					I-131	<1.29E+01	0.00E+00	1.29E+01
					Cs-134	<2.24E+01	0.00E+00	2.24E+01
					Cs-137	<2.04E+01	0.00E+00	2.04E+01
					BaLa-140	<2.29E+01	0.00E+00	2.29E+01
					Be-7	1.26E+03	2.63E+02	2.35E+02
					K-40	1.60E+03	4.18E+02	3.81E+02



# **APPENDIX F**

## **ERRATA TO PREVIOUS REPORTS**

There are no Errata to previous BSEP reports included in the BSEP 2015 Radiological Environmental Operating Report.

# PACKAGE DIVIDER

AND	SUP	FPAC	PAGES	AVAIL
_____	_____	_____	_____	PDR CF
_____	_____	_____	_____	PDR CF
_____	_____	_____	_____	PDR CF
_____	_____	_____	_____	PDR CF
_____	_____	_____	_____	PDR CF
_____	_____	_____	_____	PDR CF
_____	_____	_____	_____	PDR CF
_____	_____	_____	_____	PDR CF

NEW CODES					DESCRIPTION:
AA	RA	DKT	TASK	F2	_____
AA	RA	DKT	TASK	F2	_____
AA	RA	DKT	TASK	F2	_____
AA	RA	DKT	TASK	F2	_____
AA	RA	DKT	TASK	F2	_____
AA	RA	DKT	TASK	F2	_____
AA	RA	DKT	TASK	F2	_____
AA	RA	DKT	TASK	F2	_____

# PRIMARY FILE LOCATION/LEVEL

DSB #:

FCEN	F1	F2	F3
_____	_____	_____	_____

# NOTES/SPECIAL INSTRUCTIONS

INDEXER QC DDC

Generate New Label

Generate New RIDS Sheet

Encl Contains Prop Info

Refilm: PDR CF PROP

Encl Contains Foldout Pages

Do Not Refilm

# NUCLEAR DOCUMENTS SYSTEM



ADMIN: \_\_\_\_\_

RIDS: \_\_\_\_\_

REV 2 06/22/88