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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
Radiological Environmental Operating Report for 2013

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 2013.

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

Sincerely,

Annette H. Pope
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AHP/ahs

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Enclosure:

Radiological Environmental Operating Report for 2013

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Radiological Environmental Operating Report for 2013



ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT

**DUKE ENERGY PROGRESS, INC.
BRUNSWICK STEAM ELECTRIC PLANT**

2013

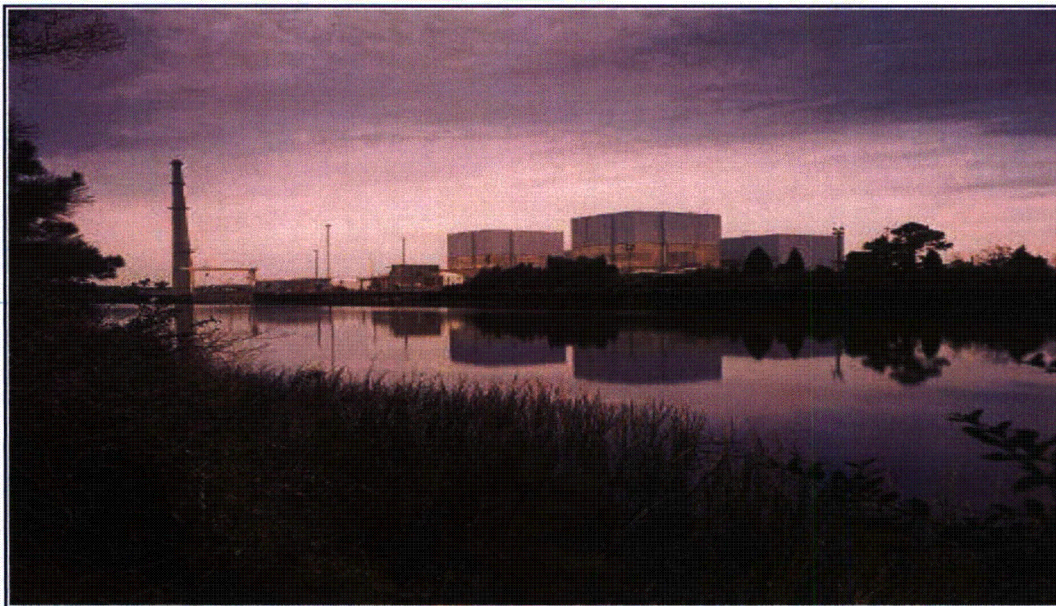


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LIST OF ACRONYMS USED IN THIS TEXT *(in alphabetical order)*

A	Annually
AC	Air Cartridge – Air Radioiodine
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
DEHNR	Department of Environmental Health and Natural Resources
EPA	Environmental Protection Agency
ERA	Environmental Resource Associates
EZA	Eckert & Ziegler Analytics, Inc.
FSS	Fleet Scientific Services
GEL	General Engineering Laboratories, Inc.
GPS	Global Positioning System
GW	Ground water
HEEC	Harris Energy & Environmental Center
I	Indicator
IR	Inner Ring - TLDs
ISFSI	Independent Spent Fuel Storage Installation
LLD	Lower Limit of Detection
M	Monthly
MDA	Minimum Detectable Activity
mrem	Millirem
MSL	Mean sea level
MWe	megawatts
NIST	National Institute of Standards and Technology
NRC	Nuclear Regulatory Commission
OD	Ocean discharge
ODCM	Offsite Dose Calculation Manual
OR	Outer Ring - TLDs
pCi/kg	picocurie per kilogram
pCi/l	picocurie per liter
pCi/m ³	picocurie per cubic meter
PIP	Problem Investigation Program
PMAC	Projected Maximum Annual Concentration
Q	Quarterly
REMP	Radiological Environmental Monitoring Program
SA	Semiannually
SDSP	Storm Drain Stabilization Pond
SH	Shellfish
SI	Special Interest - TLDs
SW	Surface Water
TLD	Thermoluminescent Dosimeter
W	Weekly

1.0 EXECUTIVE SUMMARY

The Brunswick Steam Electric Plant (BSEP), Unit Nos. 1 and 2, is operated by Duke Energy Progress, Inc. under licenses granted by the Nuclear Regulatory Commission (NRC). Provisions of the Nuclear Regulatory Commission's Regulatory Guide 4.8, BSEP Plant Technical Specifications 5.6.2, and the BSEP Offsite Dose Calculation Manual (ODCM) establish the requirements of the Radiological Environmental Monitoring Program (REMP). This report describes the BSEP REMP and the program results for January 1, 2013, through December 31, 2013.

Included in the report are the identification of sampling locations, descriptions of environmental sampling and analysis procedures, comparisons of present environmental radioactivity levels and pre-operational environmental data, analysis of trends in environmental radiological data as potentially affected by plant operations, and a summary of environmental radiological sampling results. Quality assurance practices, sampling deviations, unavailable samples, and program changes are also discussed. Concentrations observed in the environment in 2013 for plant related radionuclides were within the ranges of concentrations observed in the past. Inspection of the data showed that radioactivity concentrations were not higher than expected and all positively identified measurements attributable to plant operation were within limits as specified in the BSEP ODCM.

Monitoring results for environmental media are summarized as follows:

- Air-monitoring results are similar or less than the concentrations of radioactivity from pre-operation monitoring. These observations are also consistent with past operational data and control data other than during the timeframe of the 1986 Chernobyl incident and the 2011 Japan earthquake and tsunami which triggered the Fukushima Dai-ichi nuclear power plant incident.
- Milk was unavailable due to no milk (milch) animals (goat or cow) currently identified within the environs of the plant; therefore, no exposure pathway exists.
- Terrestrial vegetation includes broadleaf vegetation from indicator and control locations. Results indicate naturally occurring gamma activity and no by-product/plant-related activity in any sample.
- Aquatic organism monitoring includes fish (free swimmers and bottom feeders), invertebrates (shellfish (SH)), and Benthic organisms (organisms that live on the bottom of the ocean (BO)). Results indicated no detectable by-product/plant-related activity.
- Surface water results indicate no by-product/plant-related gamma activity; however, some surface water samples detect the presence of tritium, which is attributed to plant operations. Refer to Section 3.0 Interpretation of Results.

- Ground water results show the presence of tritium; however, the results are well below the drinking water limit (20,000 pCi/Liter) and the Environmental Protection Agency (EPA) reportable non-drinking water limit (30,000 pCi/Liter). Refer to Section 3.0 Interpretations of Results.
- Shoreline Sediment results indicate that two shoreline sediment indicator samples detected the presence of Cs-137 activity. No other gamma activity was detected in any sample other than naturally occurring gamma activity.
- External radiation dose showed no measurable change from pre-operational data.

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

2.0 INTRODUCTION

2.1 SITE DESCRIPTION AND SAMPLE LOCATIONS

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

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

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

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

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

Sampling locations are chosen based upon meteorological factors, preoperational monitoring, and results of the land use surveys. A number of locations are selected as controls. Control stations are selected because they are very unlikely to be affected by the operation of the plant. Figures 2.1-1 through 2.1-14 are maps depicting the BSEP sampling locations and the BSEP Thermoluminescent Dosimeter (TLD) monitoring locations. The location numbers shown on these maps correspond to those listed in Tables 2.1-A and 2.1-B.

2.2 SCOPE AND REQUIREMENTS OF THE REMP

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

This monitoring program is based on NRC guidance as reflected in the BSEP Offsite Dose Calculation Manual (ODCM), with regards to sample media, sampling locations, sampling frequency and analytical sensitivity requirements. Indicator and control locations were established for comparison purposes to distinguish radioactivity of plant origin from natural or other "man-made" environmental radioactivity. The environmental monitoring program also verifies projected and anticipated radionuclide concentrations in the environment and related exposures from releases of radionuclides from BSEP. This program satisfies the requirements of Section IV.B.2 of Appendix I to 10 CFR 50 and provides surveillance of all appropriate critical exposure pathways to man and protects vital interests of the company, public and state and federal agencies concerned with the environment. Reporting levels for activity found in environmental samples are listed in Table 2.2-A. Table 2.2-B lists the REMP analysis and frequency schedule.

The Annual Land Use Census, required by the BSEP ODCM, is performed to ensure that changes in the use of areas at or beyond the site boundary are identified and that modifications to the REMP are made if required by changes in the land use. This census satisfies the requirements of Section IV.B.3 of Appendix I to 10 CFR 50. Results are shown in Table 3.8-A and 3.8-B.

Participation in an interlaboratory comparison program is performed in fulfillment of BSEP ODCM Operational Requirement provides for independent checks on the precision and accuracy of measurements of radioactive material in REMP sample matrices. Such checks are performed as part of the quality assurance program for environmental monitoring in order to demonstrate that the results are valid for the purposes of Section IV.B.2 of Appendix I to 10 CFR 50. A summary of the results obtained as part of this comparison program are in Section 4 of this annual report.

2.3 STATISTICAL AND CALCULATIONAL METHODOLOGY

2.3.1 ESTIMATION OF THE MEAN VALUE

There was one (1) basic statistical calculation performed on the raw data resulting from the environmental sample analysis program. The calculation involved the determination of the mean value for the indicator and the control samples for each sample medium. The mean is a widely used statistic. This value was used in the

reduction of the data generated by the sampling and analysis of the various media in the Radiological Environmental Monitoring Program. "Net activity (or concentration)" is the activity (or concentration) determined to be present in the sample. No "Minimum Detectable Activity", "Lower Limit of Detection", "Less Than Level", or negative activities or concentrations are included in the calculation of the mean. The following equation was used to estimate the mean (reference 6.8):

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

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.

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)**

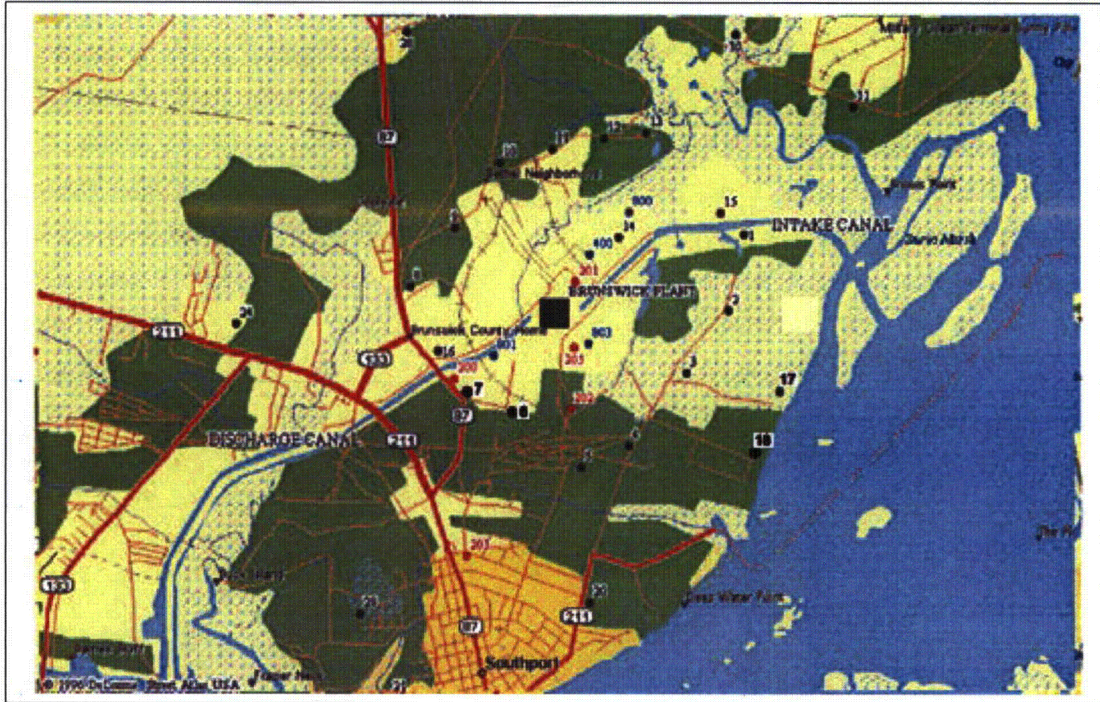


Stations not illustrated:

- 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**

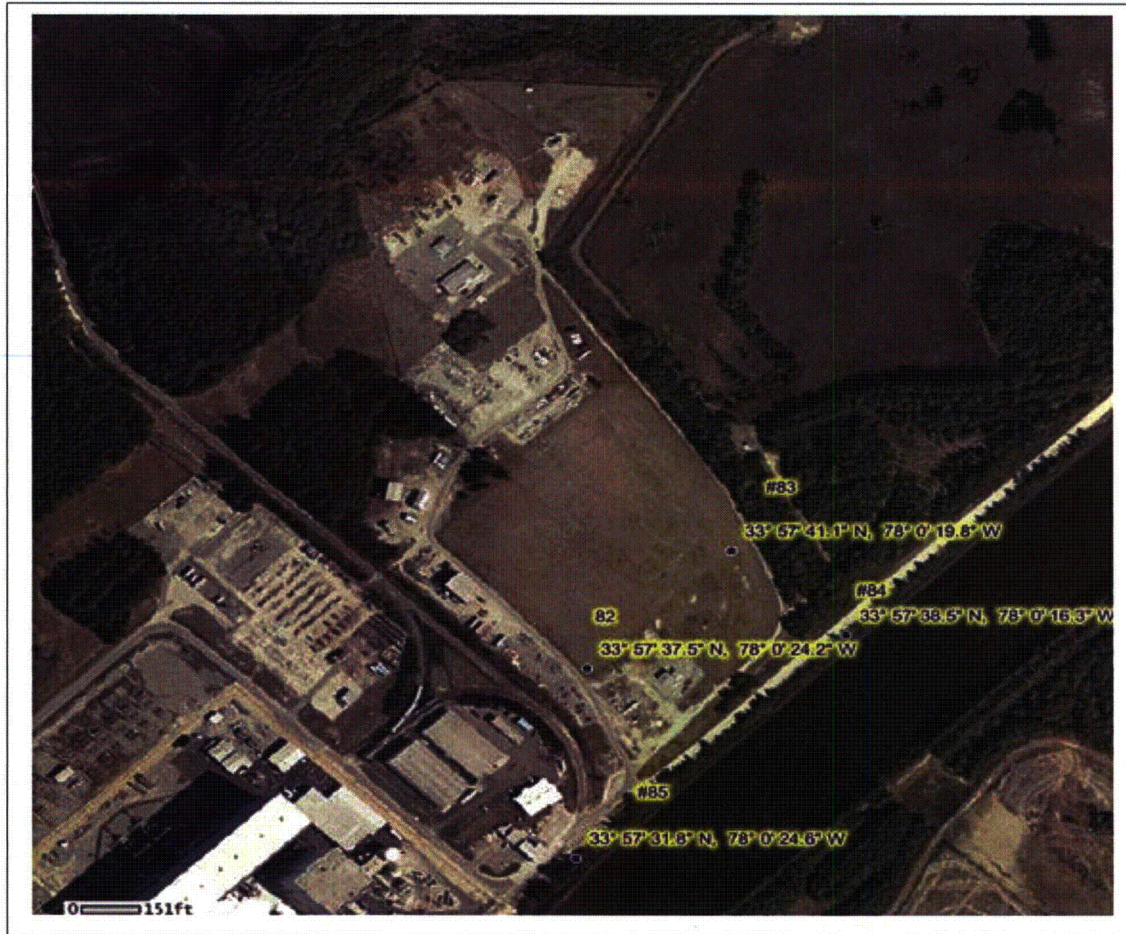


Figure 2.1-4

Radiological Environmental Sampling Locations



Figure 2.1-5

Radiological Environmental Sampling Locations (Continued)

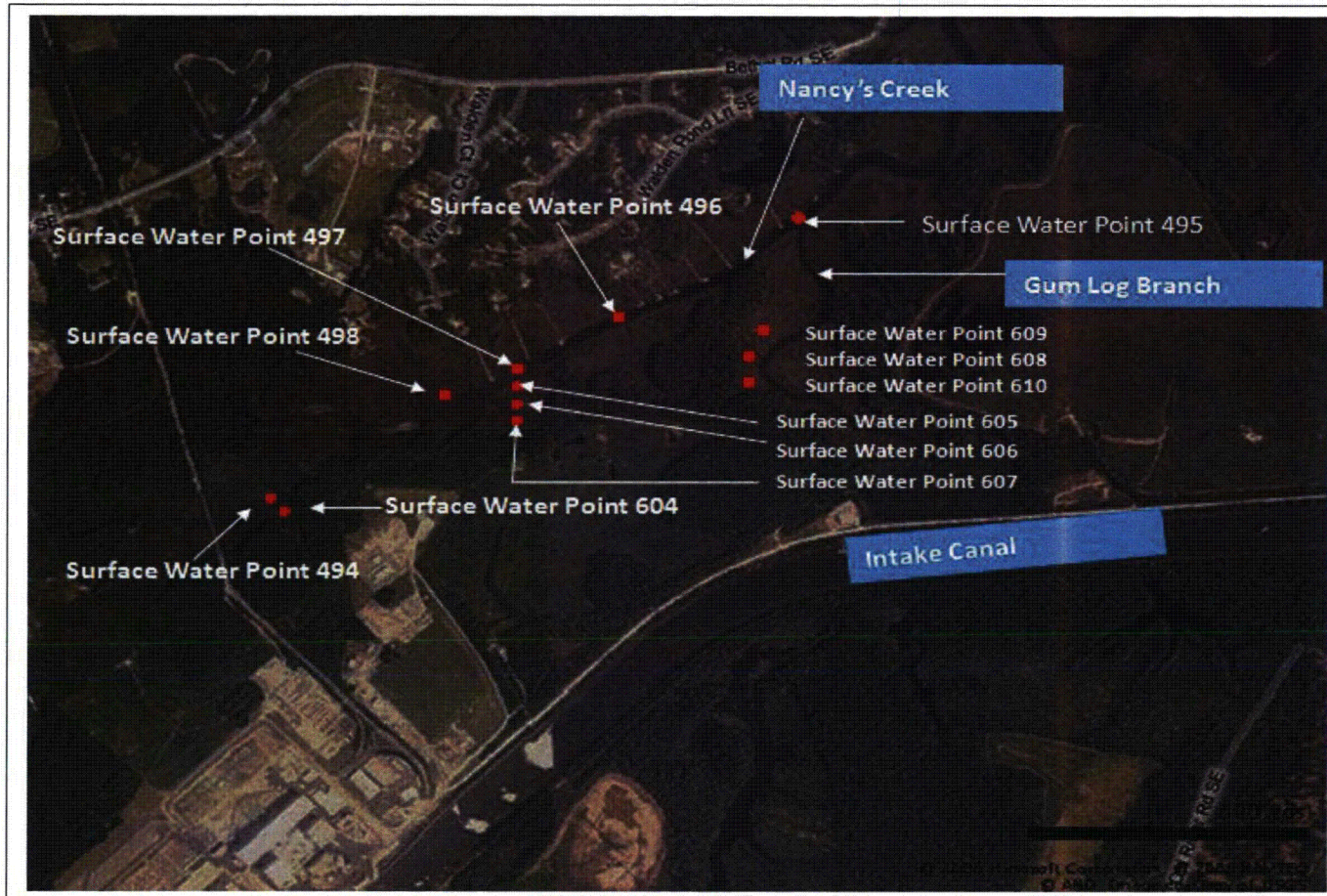


Figure 2.1-6

Radiological Environmental Sampling Locations (Continued)

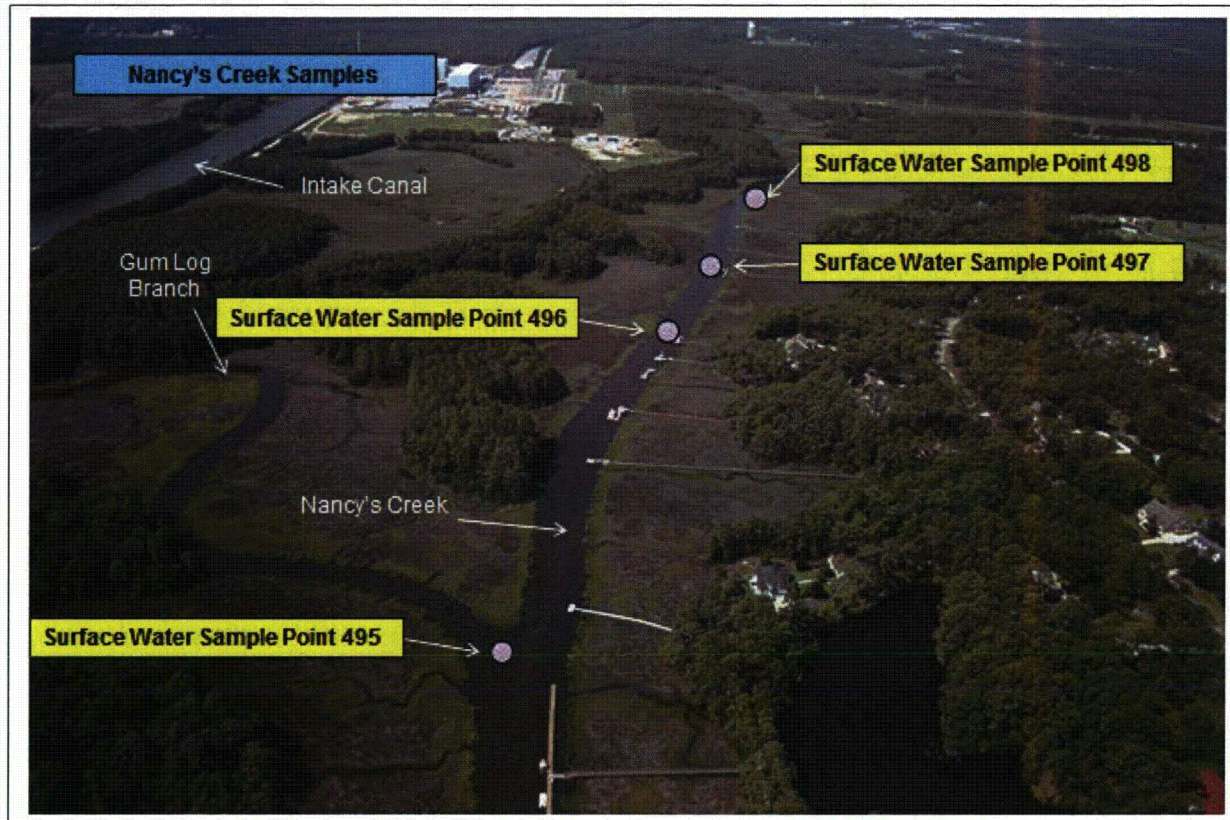


Figure 2.1-7

Radiological Environmental Sampling Locations (Continued)

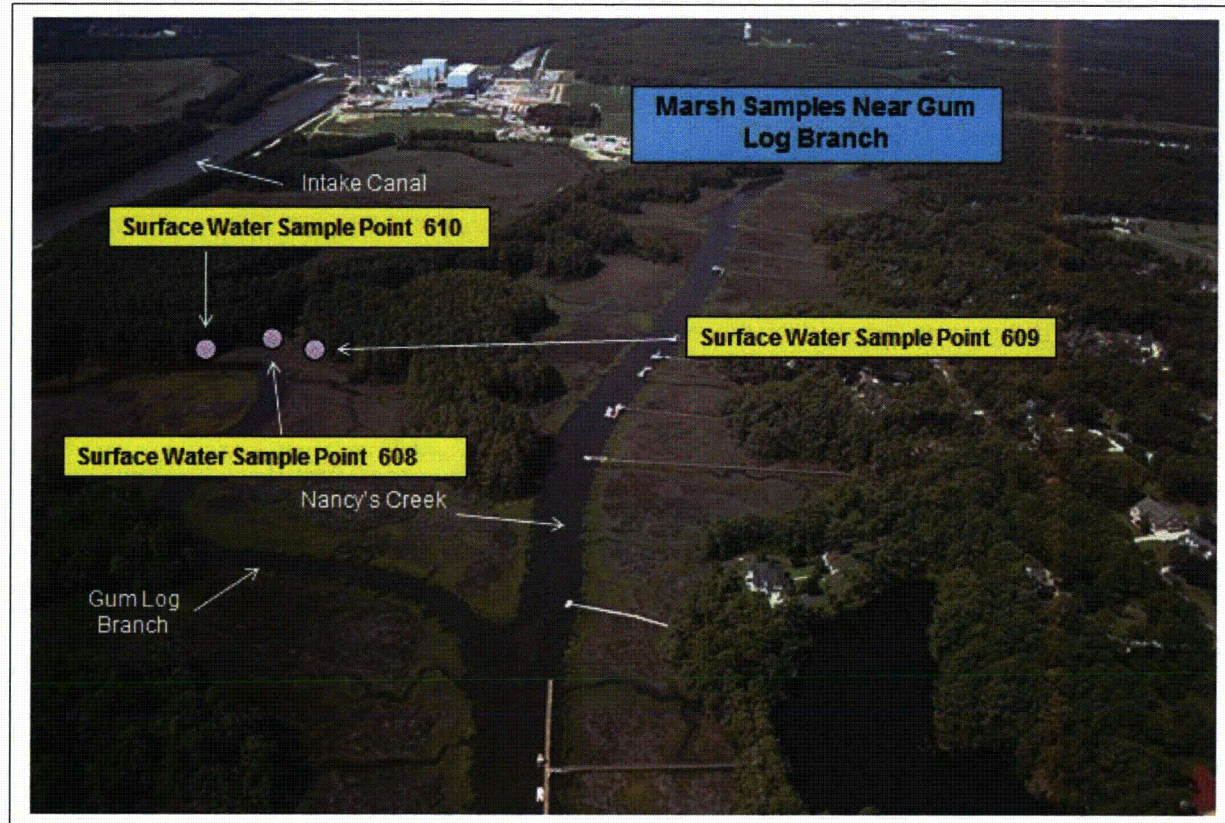


Figure 2.1-8

Radiological Environmental Sampling Locations (Continued)

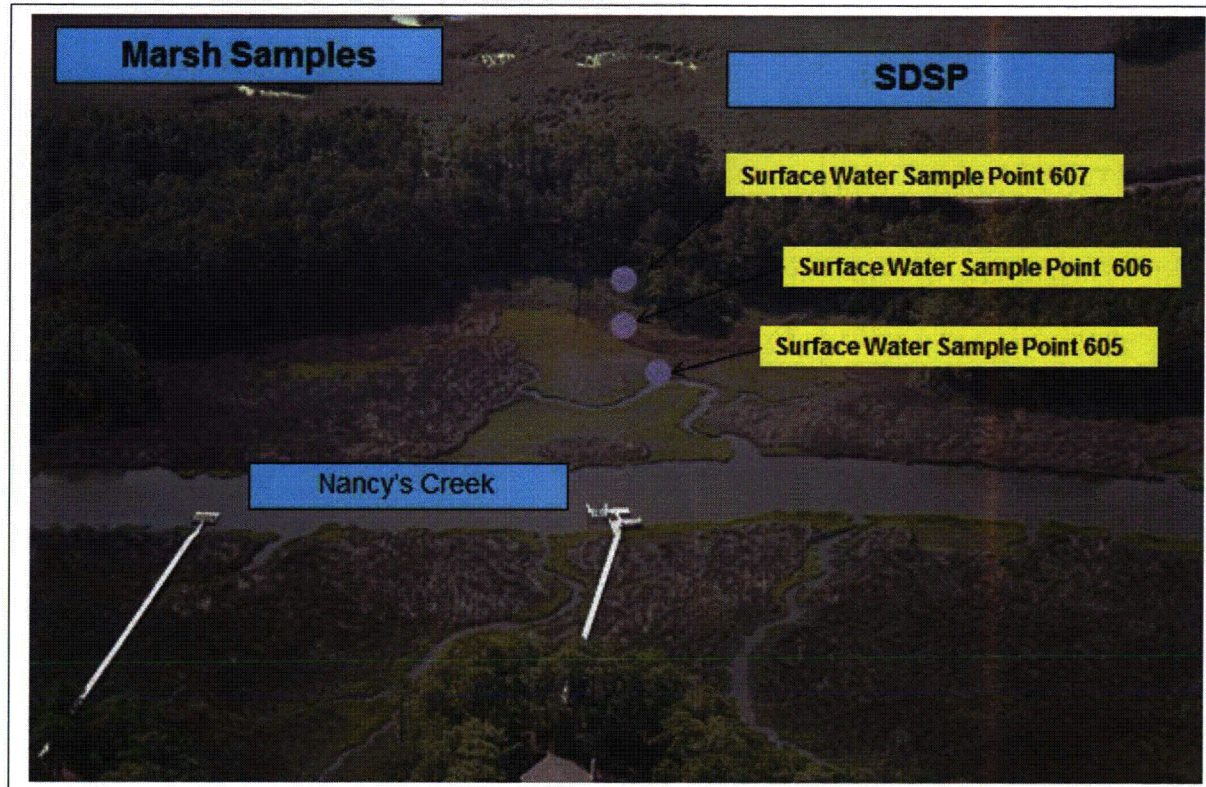


Figure 2.1-9

Radiological Environmental Sampling Locations (Continued)

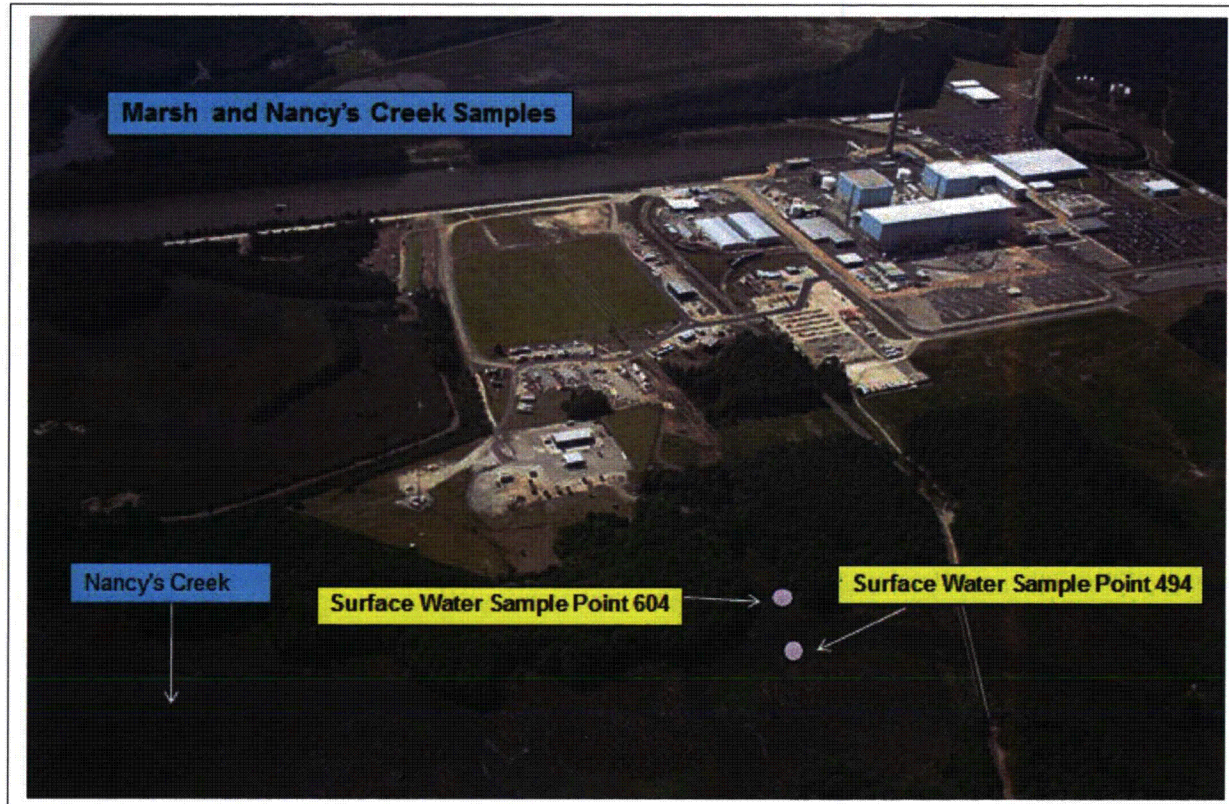


Figure 2.1-10

Radiological Environmental Sampling Locations (Continued)



SDSP: Storm Drain Stabilization Pond

Figure 2.1-11

Radiological Environmental Sampling Locations - Wells

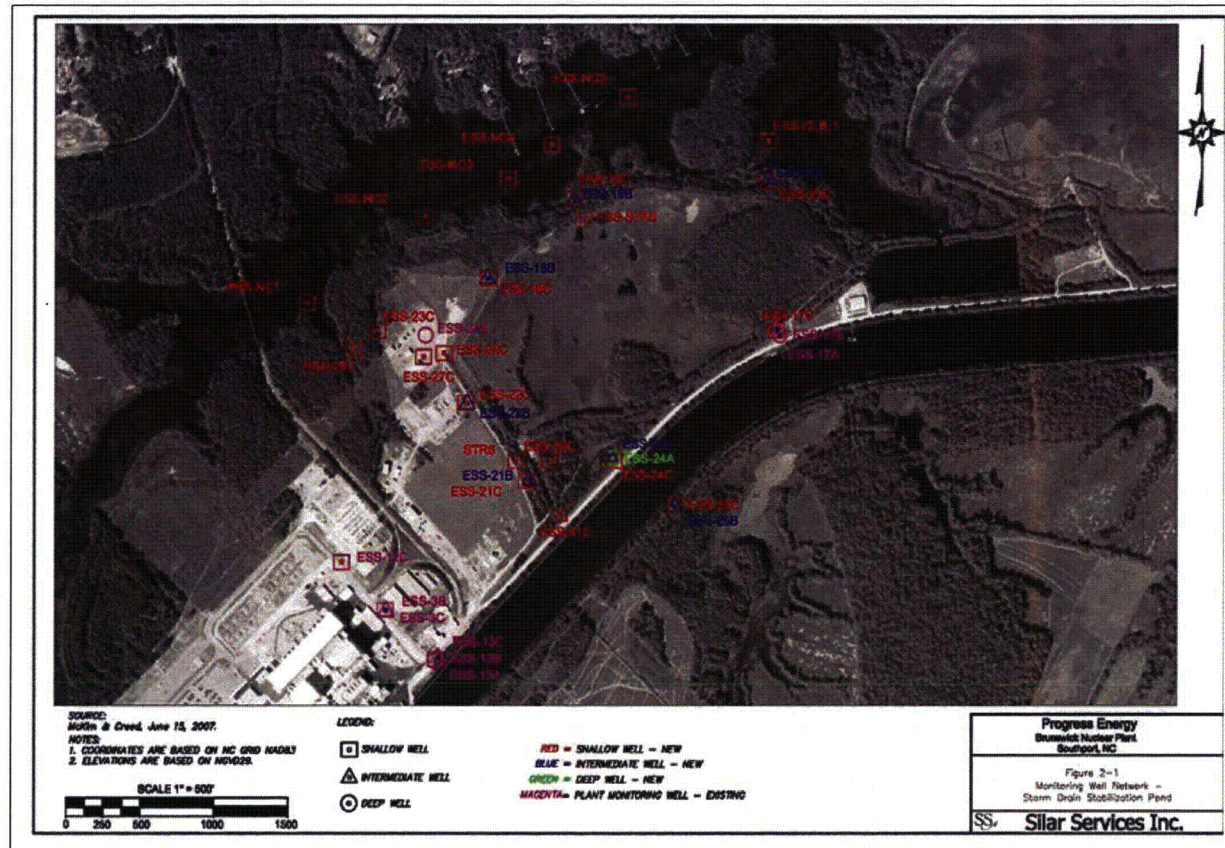


Figure 2.1-12

Radiological Environmental Sampling Locations – Wells (Continued)

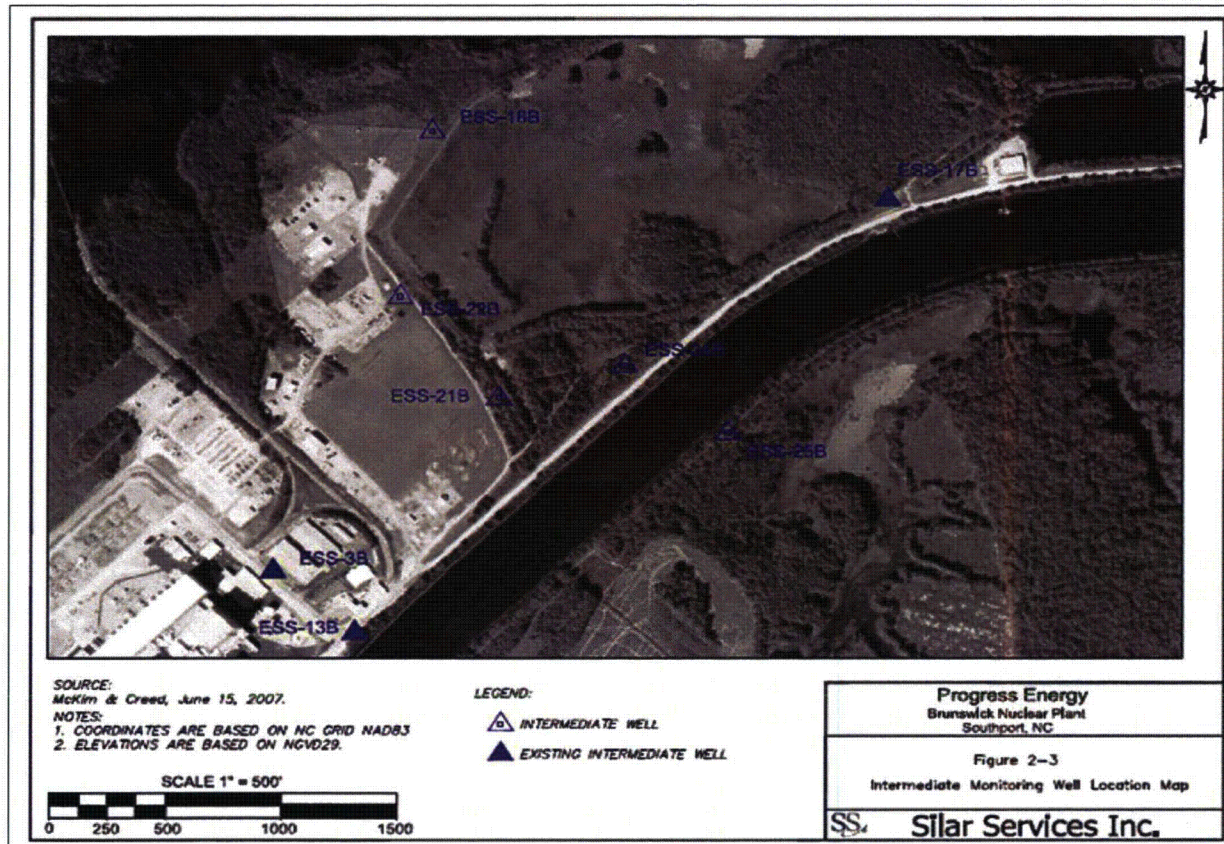


Figure 2.1-13

Radiological Environmental Sampling Locations – Wells (Continued)

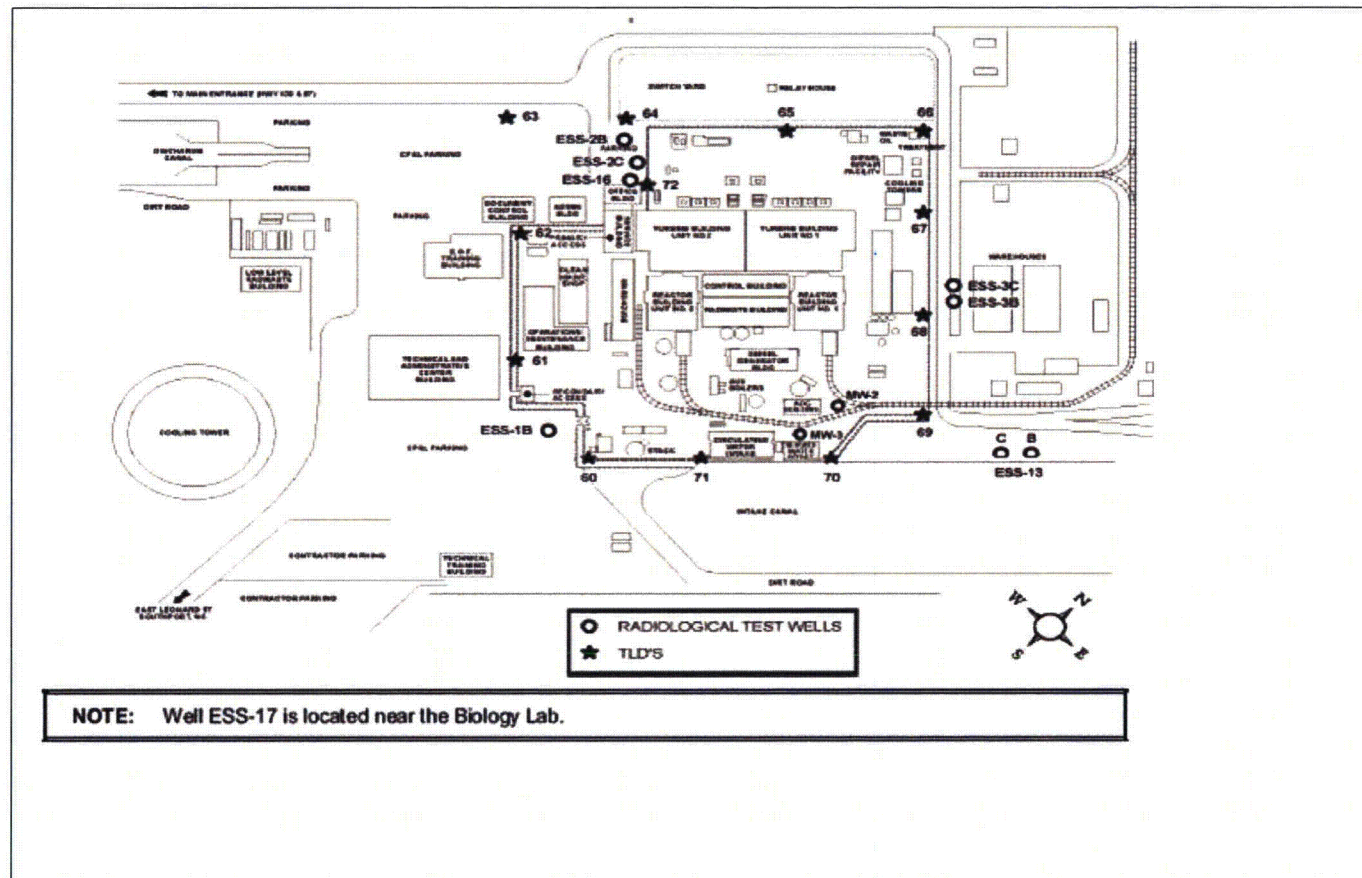


Figure 2.1-14

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 March Area – WP-106		W				
495	I	Nancy's Creek – WP-52		W/M				
496	I	Nancy's Creek – WP-53		W/M				
497	I	Nancy's Creek – WP-55		W/M				
498	I	Nancy's Creek – WP-57		W/M				
499	C	Cape Fear River – WP-61		W/M				
500	I	5.0 miles SSW – Discharge – Beach near OD Pumps			SA			
501	I	Nancy's Creek, Adjacent to WP-55, Near SDSP			A			
604	I	Nancy's Creek March Area – WP-92		W				
605	I	Nancy's Creek March Area – WP-72		W				
606	I	Nancy's Creek March Area – WP-74		W				
607	I	Nancy's Creek March Area – WP-76		W				
608	I	Nancy's Creek March Area – WP-82		W				
609	I	Nancy's Creek March Area – WP-84		W				
610	I	Nancy's Creek March Area – WP-88		W				
612	I	Monitoring Well ESS MWPA-118B, Near Intake Canal and Plant Stack						Q/SA
700	I	5.5 miles SSW – Atlantic Ocean @ discharge (Free Swimmer)				SA ^{(b)(c)}		
701	I	5.5 miles SSW – Atlantic Ocean @ discharge (Bottom Feeders)				SA ^{(b)(c)}		
702	I	5.5 miles SSW – Atlantic Ocean @ discharge (Shellfish/Invertebrates)				SA ^{(b)(c)}		
703	C	Atlantic Ocean; location not specified (Free Swimmer)				SA ^{(b)(c)}		
704	C	Atlantic Ocean; location not specified (Bottom Feeder)				SA ^{(b)(c)}		
705	C	Atlantic Ocean; location not specified (Shellfish/Invertebrates)				SA ^{(b)(c)}		

TABLE 2.1-A (Continued)

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

(a) When Available

(b) Edible Portions

(c) When in Season

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

SDSP: Storm Drain Stabilization Pond

TABLE 2.1-B

BRUNSWICK STEAM ELECTRIC PLANT (BSEP)

RADIOLOGICAL MONITORING PROGRAM SAMPLING LOCATIONS (TLD SITES)

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

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

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

TABLE 2.2-A

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

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

TABLE 2.2-B

REMP ANALYSIS FREQUENCY

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

(a) Edible portions

(b) When available

TABLE 2.2-C

**DETECTION CAPABILITIES FOR ENVIRONMENTAL SAMPLE ANALYSIS^(a)
LOWER LIMIT OF DETECTION (LLD)^{(b)(d)}**

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

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

3.0 INTERPRETATION OF RESULTS

The following section depicts and explains the review of the REMP results conducted during 2013 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 all 2013 REMP analysis results was performed to identify changes in environmental levels as a result of BSEP operations. Sample data for 2013 was compared to preoperational and historical data. Summary tables containing 2013 information required by Technical Specification 5.6.2 are located in Appendix B.

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

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

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

Review of all 2013 data presented in this section supports the conclusion that there were no significant changes in environmental sample radionuclide concentrations of samples collected and analyzed from BSEP and surrounding areas that were attributable to plant operations. The radiological environmental data for 2013 indicates that radioactivity concentrations were not higher than expected and all positively identified measurements attributable to BSEP operations in 2013 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 all the BSEP data for 2013 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

All 364 air cartridge/radioiodine (AC) samples from the indicator (260 samples) and the control (104 samples) stations had I-131 concentrations less than the ODCM LLD of $7.00\text{E-}2$ pCi/m³. The air samplers operated for a total of greater than 99% availability for the 2013 year. No I-131 activity due to BSEP operations was identified in any indicator or control samples in 2013.

For the period of January 1, 2013, to December 31, 2013, the gross beta activity was detectable in all airborne particulate (AP) samples, with acceptable runtime, from the five indicator locations and the two control locations. The 260 indicator samples had an average concentration of $1.72\text{E-}2$ pCi/m³ (a value lower than the preoperational data) and the average gross beta concentration measured in 104 AP samples collected at control stations during 2013 was $1.74\text{E-}2$ pCi/m³. The preoperational (1973 – 1974) average concentration of $8.2\text{E-}2$ pCi/m³, while the average activity in the recent past (2007 – 2012) was $1.97\text{E-}2$ pCi/m³. The airborne concentrations of gross beta activity in 2013 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 2013. No plant-related gamma activity was observed for any air particulate filters analyzed during 2013. Natural gamma concentrations identified are typical of the natural environment and are not attributed to plant operations. Refer to Appendix C or Appendix D for deviations and unavailable samples in the 2013 collection year.

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

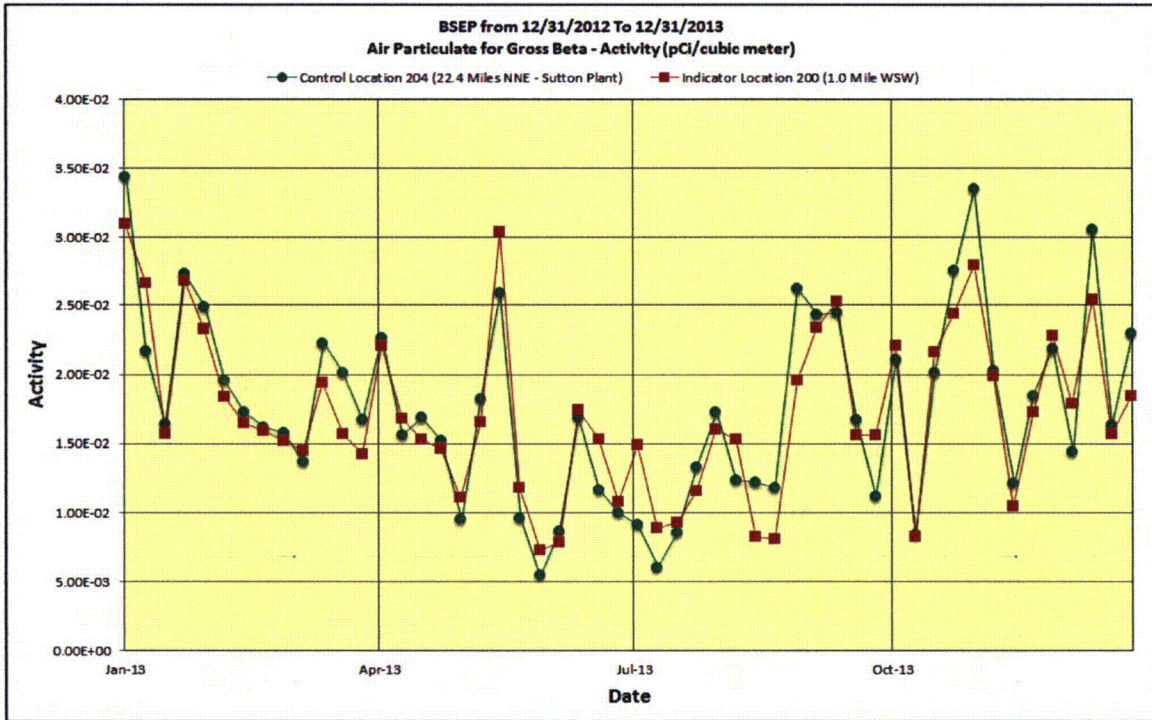


Figure 3.1-2

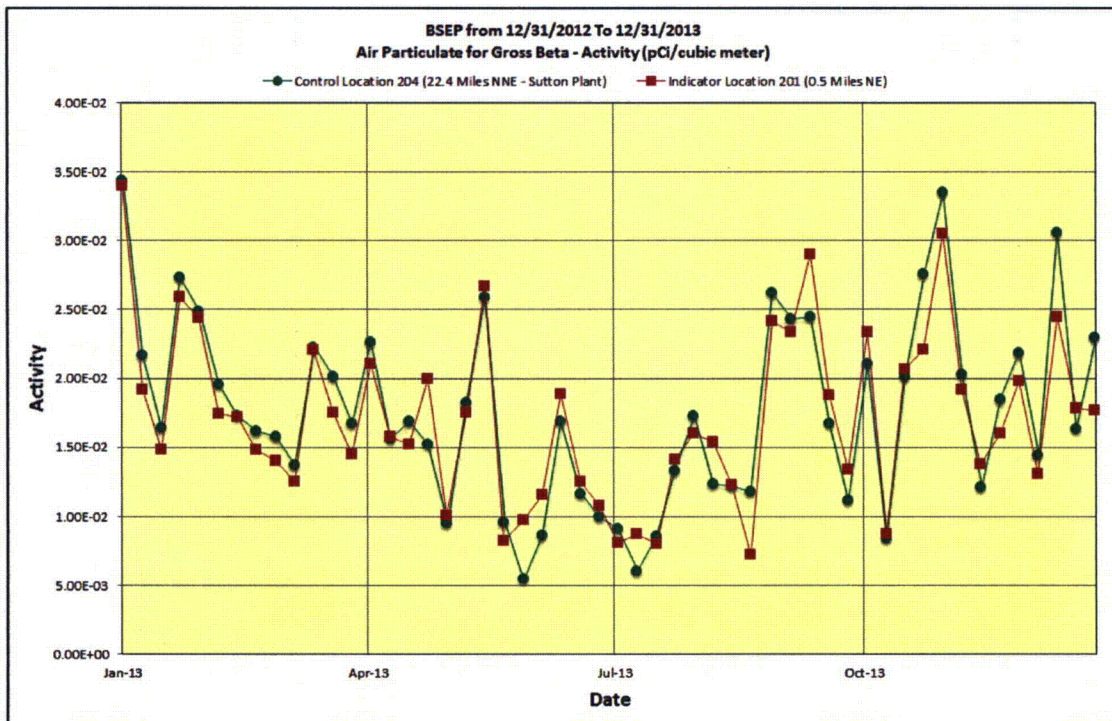


Figure 3.1-3

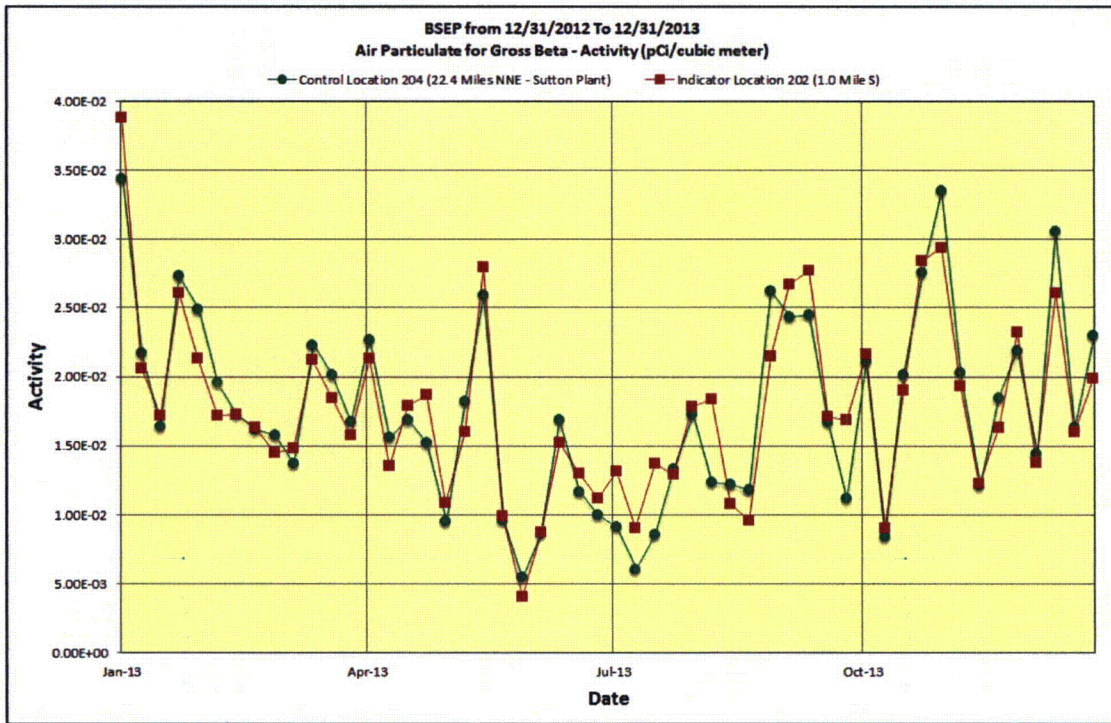


Figure 3.1-4

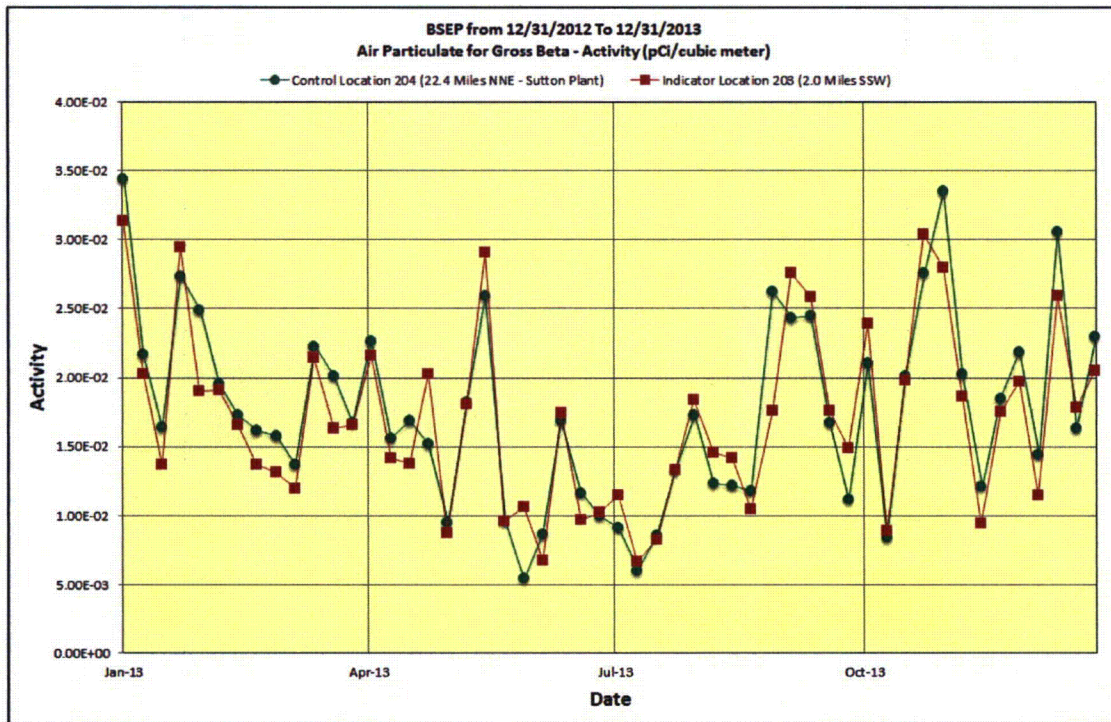


Figure 3.1-5

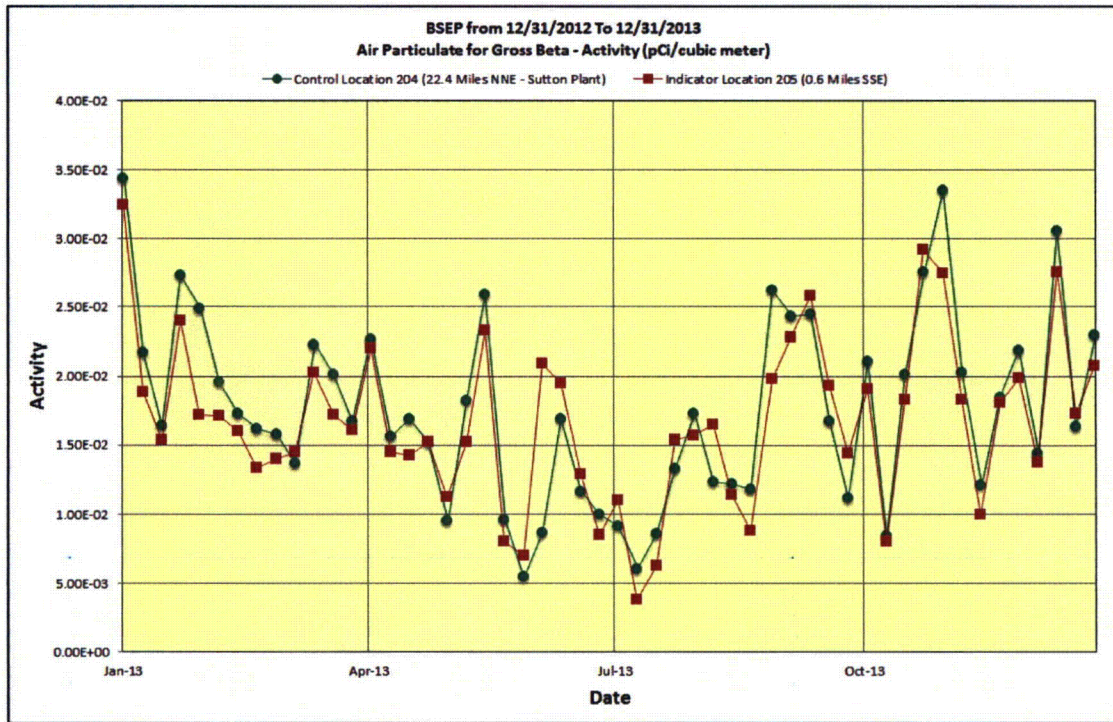
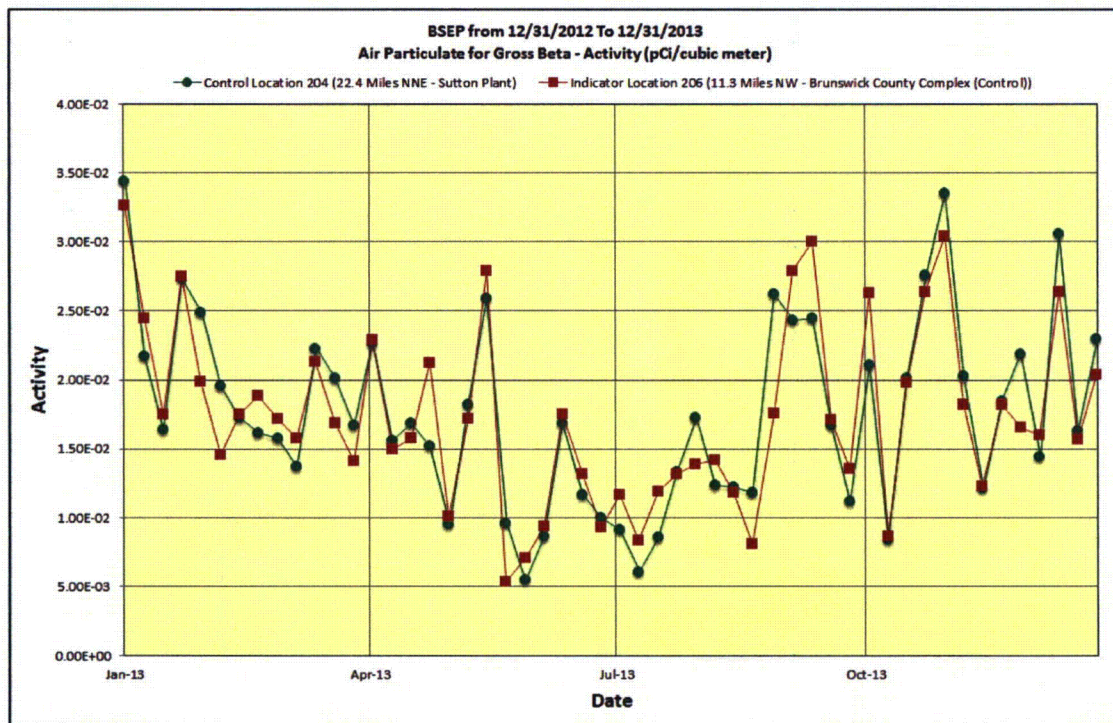


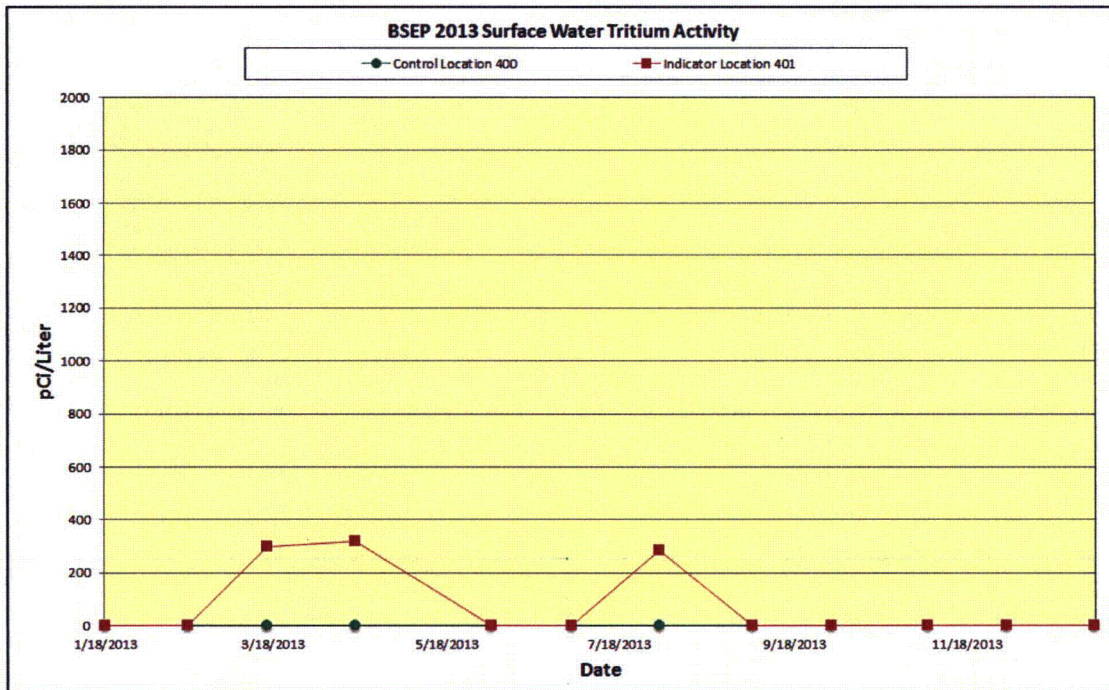
Figure 3.1-6



3.2 SURFACE WATER

Surface water (SW) is sampled monthly from the intake and discharge canal and Nancy's Creek is sampled weekly. These samples are analyzed for gamma-emitting radionuclides and for tritium. Tritium analysis is performed weekly on the Nancy Creek samples. Sampling and compositing 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 gamma analyses are to be performed weekly on the composite samples. The analyses indicated that no detectable concentrations of gamma emitting radionuclides relating to plant effluents appeared in any of the indicator and control samples. None of the control samples indicated the presence of tritium. However, 79 out of 628 indicator samples indicated the presence of tritium in 2013. The predominate location(s) indicating tritium were at Nancy's Creek and the discharge canal indicator locations. Three (3) of the twelve samples from the historical discharge canal indicated the presence of tritium, while 76 out of 616 samples from Nancy's Creek indicated the presence of tritium. The tritium activity detected in SW-401 (the discharge canal composite sample) had an average tritium concentration of $3.00E+2$ pCi/L, which was expected due to plant operations at the time of sampling. The indicator samples from Nancy's Creek had a maximum concentration of $4.12E+3$ pCi/L of tritium activity. The reporting limit for tritium in environmental samples is $3.00E+4$ pCi/L (30,000 pCi/L); therefore, per BSEP's ODCM requirements (7.13.15 c and d), all of the detected values are below the reportable limit. The total level of radioactivity as the result of plant effluents in each environmental sampling medium at a required location shall be less than the limit specified when averaged over the calendar quarter. Figure 3.2-1 depicts the observed tritium concentrations for SW-400 (control) and SW-401 (indicator) in 2013.

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 2013. Analyses indicated detectable concentrations of tritium in five out of 47 samples analyzed in 2013.

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 2013.

Food crops were not grown in the vicinity of the plant in 2013 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 this sampling media in 2013. No other gamma activity was detected in any sample, except for K-40 (potassium-40) and other naturally occurring gamma activity.

3.5 FISH and INVERTEBRATES

Fish (free swimmers and bottom feeders), invertebrate (SH), and benthic organism (BO) samples are collected semiannually from two locations: (1) near the Atlantic Ocean discharge pipe at Caswell Beach and (2) a control location in the Atlantic Ocean not influenced by plant operations and annually from three locations on Nancy's Creek (Figure 2.1-4). In all fifteen (15) samples (indicator and control), no detectable activities relating to plant effluents were detected in 2013. All radionuclides positively identified by the radionuclide analyses were naturally occurring nuclides. The fish locations on Nancy's Creek sampled in 2013 were also analyzed for tritium, with all the tritium results being less than LLD.

3.6 SHORELINE SEDIMENT

Four shoreline sediments were collected in 2013. 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 2013 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: $7.13E+1$ 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 2013, 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 2013, 179 TLDs were analyzed, 175 at indicator locations and 4 at the control location. TLDs are collected and analyzed quarterly.

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

Dosimeters are machine annealed before field placement. Following exposure in the field, each dosimeter is read utilizing a Panasonic TLD reader. The instrument integrates the light photons emitted from traps as the dosimeter is heated.

Calibration is calculated using dosimeters irradiated to known doses for each set of dosimeters measured. Prior to the measurement of each dosimeter, the instrument is checked through use of an internal constant light source as a secondary standard. The exposure reported is corrected for exposure received in transit and during storage through the use of control dosimeters.

Thermoluminescent dosimeters (TLDs) were used to monitor ambient radiation exposures in the plant environs. The environmental data on external radiation exposure for 2013 was essentially unchanged from 1989-2012, with an average exposure for all of 2013 indicator locations of 9.81 mR per 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 10.7-A provides a comparison of recent data with the preoperational and historical data.

The average quarterly exposure at the indicator and control locations was 9.81 mR/std. qtr. and 11.2 mR/std. qtr. respectively. The highest indicator location was 5.3 miles SW of the plant and its average was 12.1 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 2013 collection period (CR # 615487 / PIP # G-13-01472).

Figure 3.7-1 depicts average inner and outer ring TLD data for each quarter of 2013. This depiction does not indicate a significantly higher exposure rate for the inner versus the outer ring. This is interpreted as demonstrating that no discernible off-site exposure has occurred from plant operations.

TLD averages per Appendix B do include a separate line for the four (4) ISFSI TLDs that were added to the program as of 3rd Quarter 2010. These TLDs are not indicative of the plant's environmental monitoring program's TLDs, so they will be handled separately. The ISFSI TLD data is included with the environmental data results as a separate section. Comparison of the 2013 ISFSI TLD data after loaded fuel with preoperational data (2008 – 3rd Quarter 2010) indicates that the average pre-op TLD dose levels were about the same as the average after Fuel was loaded (See Table 10.7-B). Dry fuel storage radiation measurements have been monitored since 2008 and additional information can be found in the BSEP 2013 Annual Release Report.

Figure 3.7-1

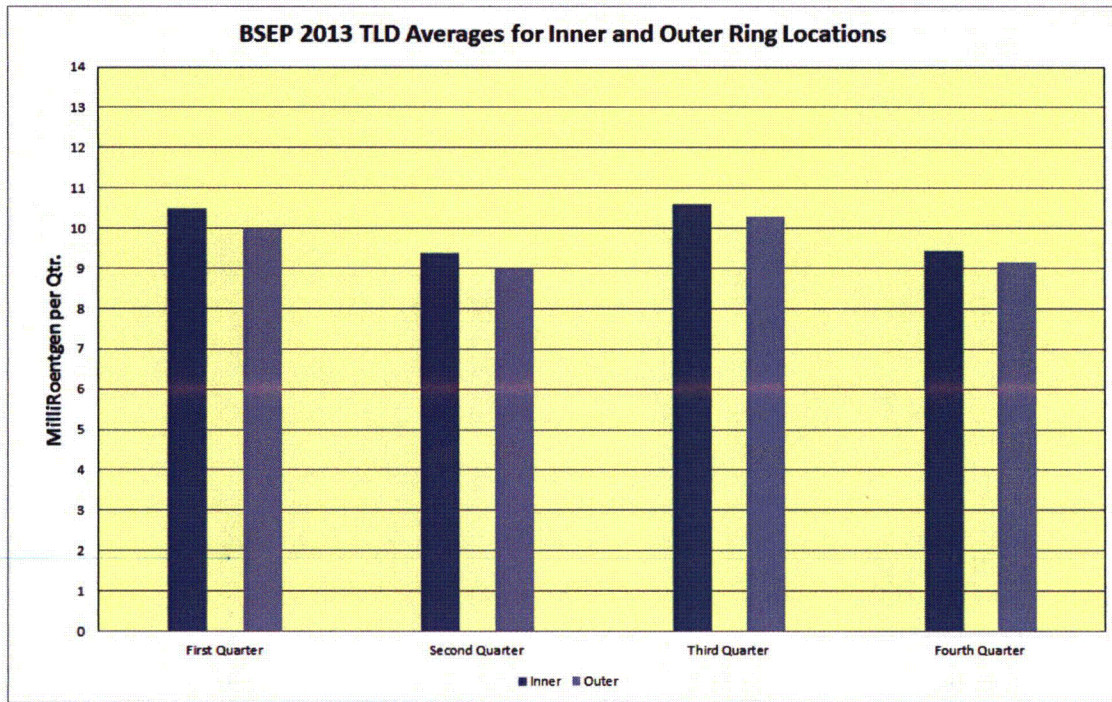


Table 3.7-A

ISFSI TLD Dose (mR/std. qtr.)

	TLD # 82	TLD # 83	TLD # 84	TLD # 85
Average Pre-Op (1 st Qtr. 2008 to 3 rd Qtr. 2010)	30.1 ± 3.1	22.4 ± 2.1	16.7 ± 1.6	53.2 ± 7.6
Average after Fuel Loaded (4 th Qtr. 2010 to 4 th Qtr. 2013)	31.6	23.5	18.0	52.5

Table 3.7-B

**Brunswick Steam Electric Plant
HISTORICAL TLD RESULTS (1972-2013)**

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

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

3.8 LAND USE CENSUS

The 2013 BSEP Annual Land Use Census was conducted during June and July of 2013 as required by the BSEP ODCM. Table 3.8-A summarizes the 2013 census results. No environmental program changes were required as a result of the 2013 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 2012 and 2013 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 and July of 2013 did not identify any changes from 2012. The garden portion of the census identified changes in the distance of the nearest garden in three sectors during the 2013 census.

The nearest garden location changed in the North (N) sector from 0.9 miles to 1.0 mile, the South (S) sector from 1.1 miles to 2.2 miles, and the Northwest (NW) sector from 4.9 miles to 1.0 mile. No milk animals were located within 5 miles of the plant in 2013.

The 2013 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 2013 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 (2012 – 2013)

Nearest Pathway (Miles)

SECTOR	RESIDENT		GARDEN		MILK/MEAT ANIMALS	
	2012	2013	2012	2013	2012	2013
N	0.7	0.7	0.9	1.0*	None	None
NNE	0.8	0.8	0.9	0.9	None	None
NE	None	None	None	None	None	None
ENE	None	None	None	None	None	None
E	None	None	None	None	None	None
ESE	1.4	1.4	None	None	None	None
SE	None	None	None	None	None	None
SSE	2.1	2.1	None	None	None	None
S	1.1	1.1	1.1	2.2*	None	None
SSW	1.2	1.2	1.6	1.6	None	None
SW	1.1	1.1	1.4	1.4	None	None
WSW	1.2	1.2	1.2	1.2	None	None
W	0.9	0.9	0.9	0.9	None	None
WNW	0.9	0.9	1.0	1.0	None	None
NW	0.9	0.9	4.9	1.0*	None	None
NNW	0.8	0.8	0.9	0.9	None	None

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

Table 3.8-B
Brunswick Steam Electric Plant
Garden Census - 2013

SECTOR	DISTANCE (miles)		SECTOR	DISTANCE (miles)
N	1.0		SW	1.6
NNE	0.9		SW	1.9
NE	None		SW	2.3
ENE	None		SW	3.0
E	None		WSW	1.2
ESE	None		WSW	1.3
SE	None		WSW	2.1
S	2.2		W	0.9
S	2.3		W	1.1
S	2.3		W	1.2
S	2.3		W	2.6
S	2.3		W	2.6
S	2.3		W	2.7
S	2.4		W	2.7
S	2.4		W	2.7
S	2.4		WNW	1.0
S	2.6		NW	1.0
SSW	1.6		NW	4.9
SSW	1.9		NNW	0.9
SSW	2.0		NNW	0.9
SSW	2.0		NNW	3.3
SSW	2.0		NNW	4.3
SSW	2.1		NNW	4.4
SSW	2.1		NNW	4.5
SSW	2.1		NNW	4.6
SSW	2.2		NNW	4.6
SSW	2.2		NNW	4.6
SSW	2.2		NNW	4.6
SSW	2.3		NNW	4.6
SSW	2.3		NNW	4.6
SSW	2.3		NNW	4.6
SSW	2.3		NNW	4.6
SSW	2.3		NNW	4.7
SSW	2.4		NNW	4.8
SSW	2.7		NNW	4.8
SSW	2.7		N/A	N/A
SSW	2.7		N/A	N/A
SSW	2.8		N/A	N/A
SSW	2.8		N/A	N/A
SW	1.4		N/A	

4.0 QUALITY ASSURANCE

4.1 SAMPLE COLLECTION

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

4.2 SAMPLE ANALYSIS

HEEC Laboratories performed the environmental sample analyses (January – May 20, 2013) as specified by approved analysis procedures. HEEC Laboratories were located in New Hill, North Carolina, at Progress Energy's Environmental Center until the merger decommissioned the lab and services were consolidated at the EnRad Laboratory in Huntersville, North Carolina. EnRad Laboratories performed the environmental sample analyses (May 21, 2013 – December, 2013) as specified by approved analysis procedures. EnRad Laboratories is located in Huntersville, North Carolina, at Duke Energy Progress Inc.'s Environmental Center. The ground water samples and most of the surface water samples requiring tritium analysis are analyzed by BSEP laboratory. The fish samples (requiring tritium analysis) and the Shoreline Sediment samples (requiring Hard-to-detects [Fe-55 and Sr-89, 90]) were analyzed by a vendor laboratory – General Engineering Laboratory, Inc. (GEL).

4.3 DOSIMETRY ANALYSIS

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

4.4 LABORATORY EQUIPMENT QUALITY ASSURANCE

4.4.1 DAILY QUALITY CONTROL

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

4.4.2 CALIBRATION VERIFICATION

National Institute of Standards and Technology (NIST) standards that represent counting geometries are analyzed as unknowns at various frequencies ranging from weekly to annually to verify that efficiency calibrations are valid. The

frequency is dependent upon instrument use and performance. Investigations are performed and documented should calibration verification data fall outside of the acceptable limits.

4.4.3 BATCH PROCESSING

Method quality control samples are analyzed with sample analyses that are processed in batches. This includes tritium analyses in ground water and surface water samples.

4.5 DUKE ENERGY INTERCOMPARISON PROGRAM

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

4.6 ECKERT & ZIEGLER ANALYTICS CROSS CHECK PROGRAM

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

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

The BSEP Chemistry Laboratory participated in the Analytical Environmental Cross Check Program administered by Eckert & Ziegler Analytics, Inc. during 2013. Cross-check standards including tritium in water, gammas in solids, and other sample media were analyzed in 2013. A summary of the BSEP Laboratory program results for 2013 is documented in Table 4.0-E. BSEP cross check results not appearing in Table 4.0-E will be supplied upon request.

4.7 ERA PROFICIENCY TESTING

EnRad Laboratories performed method proficiency testing through a program administered by Environmental Resource Associates (ERA) of Arvada, CO. ERA

supplied requested method proficiency samples for analysis and nuclide concentration determination. ERA reported proficiency test results to the North Carolina Department of Health and Human Services, North Carolina Public Health Drinking Water Laboratory Certification Program. A summary of these proficiency test data for 2013 is documented in Table 4.0-C.

4.8 STATE OF NORTH CAROLINA INTERCOMPARISON PROGRAM

EnRad Laboratories routinely participates with the State of North Carolina Department of Environmental Health and Natural Resources (DEHNR) in an intercomparison program. EnRad Laboratories sends Harris Nuclear Plant Radiological Environmental Monitoring Program air, drinking water, surface water, milk, fish, food products, and shoreline sediment samples to the State of North Carolina Radiation Protection Section for intercomparison analysis.

4.9 GENERAL ENGINEERING LABORATORY, Inc. (GEL)

General Engineering Laboratory, Inc. (GEL) participated in various Quality Assurance Programs for Inter-laboratory, Intra-laboratory, Third Party Cross-Check programs and a number of proficiency testing programs during 2013. A summary of the GEL quality assurance program results for the sample media types sent to GEL during 2013 is documented in Table 4.0-F. GEL Quality Assurance Program results not appearing in Table 4.0-F will be supplied upon request.

TABLE 4.0-A

DUKE ENERGY

INTERLABORATORY COMPARISON PROGRAM

2013 EnRad Fleet Scientific Services Cross Check Performance Summary

Cross check samples were distributed by Fleet Scientific Services (FSS) in accordance with Duke Energy Nuclear Generation Procedure SRPMP 9-2. Six water samples were analyzed for tritium and gamma emitters. The below table lists results for specific analyses. All 27 results were evaluated as prescribed in procedure SRPMP 9-2 and passed the acceptance criteria for the program.

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

TABLE 4.0-B

ECKERT & ZIEGLER ANALYTICS

CROSS CHECK PROGRAM

2013 Cross Check Results for EnRad Laboratories

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

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

TABLE 4.0-B (Cont.)

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

TABLE 4.0-C

ENVIRONMENTAL RESOURCE ASSOCIATES (ERA) PROFICIENCY TESTING

2013 Proficiency Test Results for EnRad Laboratories

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

Proficiency test samples are received, prepared, and analyzed in second and fourth quarters of 2013. Results are reported directly to Environmental Resource Associates as described in the instruction package within the study period. Proficiency test data are reported to ERA for evaluation. The acceptance criteria for the program was based on the National Environmental Laboratory Accreditation Conference (NELAC) Field of Proficiency Testing criteria. Fourteen results were reported of which 12 (85.7%) met the acceptance criteria. ERA reports proficiency test results to the North Carolina Department of Health and Human Services, North Carolina Public Drinking Water Laboratory Certification Program. This testing is to satisfy the North Carolina state drinking water radiochemistry certification requirements. The individual measurements were evaluated and results falling outside the acceptable ratio criteria had an evaluation performed to identify any recommended remedial actions and to reduce anomalous errors (PIPs G-13-00925 and G-13-02152). Complete documentation of any evaluation will be available and provided to the NRC upon request.

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

* See PIP G-13-02152

See PIP G-13-00925

TABLE 4.0-D

ECKERT & ZIEGLER ANALYTICS

CROSS CHECK PROGRAM

2013 Cross Check Results for HEEC Laboratories

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

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

TABLE 4.0-E

ECKERT & ZIEGLER ANALYTICS

CROSS CHECK PROGRAM

2013 Cross Check Results for BSEP Laboratories

Sample	Nuclide	Quarter	Units	BSEP Value	EZA Value	BSEP/EZA Ratio	Evaluation
Tritium in Water	H-3	1 st	μCi/cc	7.16E-04	7.69E-04	0.93	Agreement
A28207 1Q							
A28992 3Q		3 rd	μCi/cc	6.68E-04	7.00E-04	0.95	Agreement
Gamma Solid	Ce-141	4 th	μCi	3.83E-02	3.72E-02	1.03	Agreement
A28991 3Q		4 th	μCi	8.55E-03	9.22E-03	0.93	Agreement
A29317 4Q	Cr-51	3 rd	μCi	8.94E-02	8.57E-02	1.04	Agreement
A29251 4Q		4 th	μCi	1.14E-01	1.11E-01	1.02	Agreement
	Cs-134	4 th	μCi	2.63E-02	2.75E-02	0.96	Agreement
		3 rd	μCi	2.64E-02	2.78E-02	0.95	Agreement
		4 th	μCi	2.57E-02	2.77E-02	0.93	Agreement
	Cs-137	4 th	μCi	6.50E-03	6.87E-03	0.95	Agreement
		3 rd	μCi	2.01E-02	2.06E-02	0.98	Agreement
		4 th	μCi	2.54E-02	2.41E-02	1.06	Agreement
	Co-58	4 th	μCi	5.58E-03	5.97E-03	0.93	Agreement
		3 rd	μCi	2.32E-02	2.20E-02	1.05	Agreement
		4 th	μCi	2.85E-02	2.78E-02	1.02	Agreement
	Mn-54	4 th	μCi	7.20E-03	6.90E-03	1.04	Agreement
		3 rd	μCi	2.44E-02	2.32E-02	1.05	Agreement
		4 th	μCi	3.63E-02	3.40E-02	1.07	Agreement
	Fe-59	4 th	μCi	8.59E-03	8.43E-03	1.02	Agreement
		3 rd	μCi	3.23E-02	3.12E-02	1.03	Agreement
		4 th	μCi	3.37E-02	3.19E-02	1.06	Agreement
	Zn-65	4 th	μCi	7.91E-03	7.93E-03	1.00	Agreement
		3 rd	μCi	4.92E-02	4.52E-02	1.09	Agreement
		4 th	μCi	1.61E-01	1.52E-01	1.06	Agreement
	Co-60	4 th	μCi	3.98E-02	3.78E-02	1.05	Agreement
		3 rd	μCi	3.19E-02	3.11E-02	1.03	Agreement
		4 th	μCi	2.82E-02	2.82E-02	1.00	Agreement
		4 th	μCi	7.13E-03	6.99E-03	1.02	Agreement

Other BSEP Interlaboratory Cross Check Program Results from 2013 will be supplied upon request.

TABLE 4.0-F

2013 ANNUAL QUALITY ASSURANCE REPORT

for the RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM

for GEL Laboratories, LLC (GEL)

Sample	Nuclide	Quarter	Units	GEL Value	Known Value	Acceptance Range/Ratio	Evaluation
HDT in Soil *							
MAPEP-13-MaS28	Fe-55	2nd	mg/kg	-0.380	0	False Pos Test	Acceptable
		4 th	mg/kg	887	820	574 - 1066	Acceptable
MAPEP-13-MaS29	Sr-90	2 nd	mg/kg	693	628	440 - 816	Acceptable
		4 th	mg/kg	458	460	322 - 598	Acceptable
Gamma in Soil							
MAPEP-13-MaS28	K-40	2 nd	mg/kg	713	625	438 - 813	Acceptable
		4 th	mg/kg	638	633	443 - 823	Acceptable
	Co-57	2 nd	mg/kg	1.04	0	False Pos Test	Acceptable
MAPEP-13-MaS29		4 th	mg/kg	0.0	0	False Pos Test	Acceptable
	Cs-134	2 nd	mg/kg	829	887	621 - 1153	Acceptable
		4 th	mg/kg	1090	1172	820 - 1524	Acceptable
	Cs-137	2 nd	mg/kg	623	587	411 - 763	Acceptable
		4 th	mg/kg	1010	977	684 - 1270	Acceptable
	Mn-54	2 nd	mg/kg	1	0	False Pos Test	Acceptable
		4 th	mg/kg	692	674	472 - 876	Acceptable
	Zn-65	2 nd	mg/kg	1130	995	697 - 1294	Acceptable
		4 th	mg/kg	0.0	0	False Pos Test	Acceptable
	Co-60	2 nd	mg/kg	737	691	484 - 898	Acceptable
		4 th	mg/kg	462.0	451.0	316 - 586	Acceptable

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

TABLE 4.0-F (Cont.)

2013 ANNUAL QUALITY ASSURANCE REPORT

for the RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM

for GEL Laboratories, LLC (GEL)

Sample	Nuclide	Quarter	Units	GEL Value	Known Value	Acceptance Range/Ratio	Evaluation
Tritium in Water							
ERA 1Q RAD-92	H-3	1 st	pCi/L	1430	1320	1040 - 1480	Acceptable
ERA 2Q MRAD-18		2 nd	pCi/L	13100	12300	8240 - 17500	Acceptable
ERA 3Q RAD-94		3 rd	pCi/L	12500	13300	11600 - 14600	Acceptable
ERA 4Q MRAD-19		4 th	pCi/L	8740	9150	6130 - 13000	Acceptable
Gamma in Water							
EZA 1Q E10472	Ce-141	1 st	pCi/L	188	179	1.05	Acceptable
EZA 2Q E10178		2 nd	pCi/L	115	110	1.04	Acceptable
EZA 3Q E10628	Cr-51	1 st	pCi/L	484	452	1.07	Acceptable
		2 nd	pCi/L	340	306	1.11	Acceptable
		3 rd	pCi/L	280	251	1.12	Acceptable
	Cs-134	1 st	pCi/L	196	205	0.96	Acceptable
		2 nd	pCi/L	148	153	0.97	Acceptable
		3 rd	pCi/L	142	156	0.91	Acceptable
	Cs-137	1 st	pCi/L	271	254	1.07	Acceptable
		2 nd	pCi/L	183	184	0.99	Acceptable
		3 rd	pCi/L	119	118	1.01	Acceptable
	Co-58	1 st	pCi/L	203	199	1.02	Acceptable
		2 nd	pCi/L	113	115	0.99	Acceptable
		3 rd	pCi/L	98	97	1.01	Acceptable
	Mn-54	1 st	pCi/L	215	199	1.08	Acceptable
		2 nd	pCi/L	209	210	1.00	Acceptable
		3 rd	pCi/L	129	125	1.03	Acceptable
	Fe-59	1 st	pCi/L	267	241	1.11	Acceptable
		2 nd	pCi/L	151	146	1.03	Acceptable
		3 rd	pCi/L	123	118	1.04	Acceptable
	Zn-65	1 st	pCi/L	314	288	1.09	Acceptable
		2 nd	pCi/L	286	265	1.08	Acceptable
		3 rd	pCi/L	262	241	1.09	Acceptable
	Co-60	1 st	pCi/L	392	383	1.02	Acceptable
		2 nd	pCi/L	225	214	1.05	Acceptable
		3 rd	pCi/L	187	177	1.06	Acceptable

Other GEL 2013 Annual Environmental Quality Assurance Report results will be supplied upon request.

APPENDIX A

ENVIRONMENTAL SAMPLING
&
ANALYSIS PROCEDURES

APPENDIX A

ENVIRONMENTAL SAMPLING AND ANALYSIS PROCEDURES

Adherence to established procedures for sampling and analysis of all environmental media at the 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, HEEC, EnRad, and GEL).

Environmental sampling was performed by BSEP and Fisheries and Aquatic Ecology; while the analyses were performed by the Harris Energy and Environmental Center (HEEC) Laboratory (January – May 20, 2013), BSEP, EnRad Laboratories (May 21, 2013 – December, 2013), General Engineering Laboratory, Inc. (GEL) (for special analyses), and Dosimetry and Records.

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

I. CHANGE OF SAMPLING PROCEDURES

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

II. DESCRIPTION OF ANALYSIS PROCEDURES

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

Once prepared for counting, EnRad's samples (fish and invertebrates, broadleaf vegetation, soils, and sediments) are analyzed by gamma spectroscopy.

Tritium analyses are performed monthly by using a liquid scintillation analysis technique on an HEEC liquid scintillation counter (Packard TriCarb 2500 or 2900); while EnRad uses low-level environmental liquid scintillation analysis technique on a Packard 2550 liquid scintillation system or Perkin-Elmer 2900TR liquid scintillation system. Tritium samples are distilled and batch processed with a tritium spike and blank to verify instrument performance and sample preparation technique are acceptable.

Gross beta analysis is performed 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

All the analysis procedures were changed toward the end of May 2013, due to all the samples being analyzed at the EnRad Laboratory from May 21, 2013, forward instead of the Harris Energy and Environmental Center (HEEC) as in past years. No EnRad analysis procedures were changed during 2013.

IV. SAMPLING AND ANALYSIS PROCEDURES

A.1 AIRBORNE PARTICULATE AND RADIOIODINE

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

Location 200	=	1.0 miles WSW Visitors Center
Location 201	=	0.5 miles NE Bio Lab Rd. – Projected Maximum Annual Concentration (PMAC)
Location 202	=	1.0 miles S Substation, Construction Rd.
Location 203	=	2.0 miles SSW Southport substation

Location 204	=	22.4 miles NNE Sutton Plant (Historical Control)
Location 205	=	0.6 miles SSE Spoil Pond
Location 206	=	11.3 miles NW Brunswick County Complex (Control)

A.2 SURFACE WATER

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

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

A.3 GROUND WATER

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

Location 404	=	Monitoring Well ESS-1B - 0.16 miles SW
Location 407	=	Monitoring Well ESS-13B - 0.06 miles ENE
Location 409	=	Monitoring Well ESS-17A - 0.65 miles NE
Location 410	=	Monitoring Well ESS-17B - 0.65 miles NE
Location 418	=	Monitoring Well ESS-21B – Near SDSP
Location 423	=	Monitoring Well ESS-24A – Near SDSP
Location 424	=	Monitoring Well ESS-24B – Near SDSP
Location 426	=	Monitoring Well ESS-25B – Near SDSP

Location 429 = Monitoring Well ESS-27A – Near SDSP
 Location 612 = Monitoring Well ESS MWPA-118B – Near
 Intake Canal & Plant Stack

Note: SDSP = Storm Drain Stabilization Pond

A.4 BROADLEAF VEGETATION

Monthly samples were collected at each of five locations during 2013. 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. 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, 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-nine locations and four quarterly ISFSI TLDs. A gamma exposure rate was determined for each TLD. TLD locations are listed in Table 2.1-B. The TLDs were placed as indicated below.

- * An inner ring of 24 TLDs, one in each meteorological sector in the general area of the site boundary.
- * An outer ring of 20 TLDs, one in each meteorological sector in the 6 to 8 kilometer range.
- * The remaining TLDs were placed in special interest areas such as population centers, residential areas, schools, and at one control location.

A.8 ANNUAL LAND USE CENSUS

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

- The Nearest Residence
- The Nearest Garden greater than 50 square meters or 500 square feet, producing broadleaf vegetation
- The Nearest Milk-giving Animal (cow, goat, etc.)

The Annual Land Use Census must also identify (for elevated releases) within the three-mile 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 26, 2013, and July 16 through 18, 2013. Results are shown in Table 3.12.3. No changes were made to the sampling procedures during 2013 as a result of the 2013 census.

APPENDIX B

**RADIOLOGICAL
ENVIRONMENTAL MONITORING
PROGRAM**

SUMMARY OF RESULTS

2013

**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: 2013

Medium or Pathway Sampled or Measured (Unit of Measurement)	Type and Total No. of Measurements Performed	Lower Limit of Detection (LLD) ⁽¹⁾	All Indicator Locations Mean ⁽²⁾⁽³⁾ Range ⁽²⁾	Location w/Highest Annual Mean ⁽²⁾		Control Locations Mean ⁽²⁾⁽³⁾ Range ⁽²⁾	No. of Non-Routine Report Meas.
				Name, Distance, and Direction	Mean ⁽²⁾⁽³⁾ Range ⁽²⁾		
Air Particulate (pCi/m ³)	Gross Beta 364 ⁽⁴⁾	See Table 2.2-C	1.72E-2 (260/260) 3.86E-3 – 3.88E-2	Loc. # 202 Substation on Construction Rd. 1.0 miles S	1.77E-2 (52/52) 4.09E-3 – 3.88E-2	Loc. # 204 & 206 1.74E-2 (104/104) 5.32E-3 – 3.44E-2	0
	Gamma ⁽⁵⁾ 28	See Table 2.2-C	All less than LLD				
Air Radioiodine (pCi/m ³)	I-131 364 ⁽⁴⁾	See Table 2.2-C	All less than LLD	-----	-----	All less than LLD	0
Broadleaf Vegetation (pCi/kg, wet)	Gamma ⁽⁴⁾⁽⁵⁾ 60 Cs-137	See Table 2.2-C	All less than LLD	-----	-----	Loc. # 802 2.18E+1 (2/12) 1.64E+1 – 2.71E+1	0
Fish and Invertebrates (pCi/kg, wet)	Tritium 3	4.0E+3 ⁽⁸⁾	All less than LLD	-----	-----	No Control	0
	Gamma ⁽⁵⁾ 15	See Table 2.2-C	All less than LLD	-----	-----	All less than LLD	0
Sediments -- Shoreline (pCi/kg, dry)	Gamma ⁽⁵⁾ 4 Cs-137	See Table 2.2-C	7.13E+1 (2/4) 1.35E+1 – 1.29E+2	Loc. # 501 Nancy's Creek adjacent to WP-55 near SDSP	7.13E+1 (2/2) 1.35E+1 – 1.29E+2	No Control ⁽⁹⁾	0
	Hard-to-detects (Fe-55, Sr-89/90) 6	-----	All less than LLD				

**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: 2013

Medium or Pathway Sampled or Measured (Unit of Measurement)	Type and Total No. of Measurements Performed	Lower Limit of Detection (LLD) ⁽¹⁾	All Indicator Locations Mean ⁽²⁾⁽³⁾ Range ⁽²⁾	Location w/Highest Annual Mean ⁽²⁾		Control Locations Mean ⁽²⁾⁽³⁾ Range ⁽²⁾	No. of Non-Routine Report Meas.
				Name, Distance, and Direction	Mean ⁽²⁾⁽³⁾ Range ⁽²⁾		
Surface Water (pCi/l)	Gamma ⁽⁵⁾ 446	See Table 2.2-C	All less than LLD	----	----	All less than LLD	0
	Tritium 692	3,000 ⁽⁷⁾	6.46E+2 (79/628) 2.69E+2 – 4.12E+3	Loc. # 496 Nancy's Creek WP-53	1.29E+3 (1/53) Single Value	All less than LLD	0
Ground Water (pCi/l)	Gamma ⁽⁴⁾⁽⁵⁾ 24	See Table 2.2-C	All less than LLD	----	----	No Control	0
	Tritium 47	3,000 ⁽⁷⁾	4.37E+2 (5/47) 3.11E+2 – 7.14E+2	Loc. # 407 (Well 13B) 0.06 miles ENE	4.66E+2 (4/4) 3.11E+2 – 7.14E+2	No Control	0
Direct Radiation (TLD) (mR per quarter) ⁽⁶⁾	TLD Readout 179 ⁽⁴⁾	----	9.81E+0 (175/175) 5.50E+0 – 1.32E+1	Loc. # 39 5.3 miles SW	1.21E+1 (4/4) 1.18E+1 – 1.24E+1	Loc. #81 1.12E+1 (4/4) 9.50E+0 – 1.29E+1	0
Direct Radiation ISFSI (TLD - ISFSI) (mR per quarter) ⁽⁶⁾	TLD Readout 16	----	3.62E+1 (16/16) 1.80E+1 – 6.26E+1	Loc. # 85 SE Corner of ISFSI 0.09 miles ENE	5.58E+1 (4/4) 4.87E+1 – 6.26E+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 90-day period (quarter) beginning in 1995. This is the exposure standard used to compare data to the Nuclear Regulatory Commission (NRC). This does not include the ISFSI Data.
7. Tritium Lower Limit of Detection (LLD) is approximately $2.50E+2$ pCi/L for samples that typically demonstrate activity less than the LLD. The LLD was lowered in order to maintain comparable LLD values with the NC Division of Radiation Protection (NCDRP) Laboratory.
8. The tritium reporting limit for Fish per General Engineering Laboratories (GEL) is $4.0E+3$ pCi/kilogram.
9. A Shoreline Sediment background sample was collected in 2013, but it is not an ODCM sample; therefore, it is not recorded in the data.

APPENDIX C

**SAMPLING DEVIATIONS
&
UNAVAILABLE ANALYSES**

APPENDIX C

BRUNSWICK NUCLEAR PLANT SAMPLING DEVIATIONS & UNAVAILABLE ANALYSES

Air Cartridge and Air Particulates

Any REMP weekly air samples (Air Cartridge/Air Radioiodine – AC/AR or Air Particulate – AP) that exceed 30 hours of down time in a surveillance period will be reported as a “missed surveillance”. However, this sample will still be counted and the data reported; whereas a “missed sample” will have no data reported. The air samplers operated for a total of greater than 99% availability in 2013. All AP and AC/AR samples were available for counting in 2013.

Missed Samples:

- None

Missed Surveillances:

- None

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

APAC-202, July 3, 2013 with 7.4 hours of down time (CR # 615524)

Food Crops/Products/Broadleaf Vegetation

No food crops were grown in the vicinity of the plant in 2013; therefore, none were collected. The media were represented by indigenous vegetation samples (broadleaf vegetation) consisting of wax myrtle leaves.

TLDs

One TLD sample, out of a possible 180 TLD samples (indicator and control locations), was missing during 2013.

TLD # 32 Second Quarter 2013
TLD # 32 was missing in the field. The area was searched, but the TLD could not be located (CR # 615487 / PIP # G-13-01472).

APPENDIX D

ANALYTICAL DEVIATIONS

No Analytical deviations were incurred for the
2013 Radiological Environmental Monitoring Program

APPENDIX E

**RADIOLOGICAL
ENVIRONMENTAL MONITORING
PROGRAM RESULTS**

2013

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

Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 200 [INDICATOR - WSW @ 1 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
185448	1/7/2013 - 1/7/2013	Beta	3.10E-02	3.89E-03	3.20E-03
185465	1/14/2013 - 1/14/2013	Beta	2.66E-02	3.57E-03	2.94E-03
185482	1/21/2013 - 1/21/2013	Beta	1.57E-02	3.00E-03	3.17E-03
185499	1/28/2013 - 1/28/2013	Beta	2.68E-02	3.66E-03	3.34E-03
185516	2/4/2013 - 2/4/2013	Beta	2.33E-02	3.39E-03	3.10E-03
185533	2/11/2013 - 2/11/2013	Beta	1.84E-02	3.15E-03	3.15E-03
185549	2/18/2013 - 2/18/2013	Beta	1.65E-02	3.03E-03	3.08E-03
178069	2/18/2013 - 2/18/2013	I-131	<7.00E-02	0.00E+00	7.00E-02
		Cs-134	<5.00E-02	0.00E+00	5.00E-02
		Cs-137	<6.00E-02	0.00E+00	6.00E-02
		Be-7	1.17E-01	2.68E-02	
185566	2/25/2013 - 2/25/2013	Beta	1.59E-02	2.97E-03	3.02E-03
185583	3/4/2013 - 3/4/2013	Beta	1.52E-02	2.93E-03	3.02E-03
185600	3/11/2013 - 3/11/2013	Beta	1.45E-02	2.99E-03	3.20E-03
185617	3/18/2013 - 3/18/2013	Beta	1.94E-02	3.26E-03	3.20E-03
185634	3/25/2013 - 3/25/2013	Beta	1.57E-02	3.13E-03	3.38E-03
185651	4/1/2013 - 4/1/2013	Beta	1.43E-02	3.11E-03	3.49E-03
185668	4/8/2013 - 4/8/2013	Beta	2.21E-02	3.31E-03	2.96E-03
185675	4/15/2013 - 4/15/2013	Beta	1.68E-02	2.92E-03	2.80E-03
185682	4/22/2013 - 4/22/2013	Beta	1.53E-02	2.89E-03	2.92E-03
185689	4/29/2013 - 4/29/2013	Beta	1.47E-02	2.93E-03	3.11E-03
185696	5/6/2013 - 5/6/2013	Beta	1.11E-02	2.68E-03	3.02E-03
185703	5/13/2013 - 5/13/2013	Beta	1.66E-02	3.06E-03	3.20E-03
185710	5/20/2013 - 5/20/2013	Beta	3.04E-02	3.78E-03	3.32E-03
258911	5/20/2013 - 5/27/2013	Beta	1.18E-02	2.13E-03	6.08E-03
259235	5/27/2013 - 6/3/2013	Beta	7.30E-03	2.03E-03	6.21E-03
259976	6/3/2013 - 6/10/2013	Beta	7.90E-03	1.54E-03	4.18E-03

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 200 [INDICATOR - WSW @ 1 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
260453	6/10/2013 - 6/17/2013	Beta	1.74E-02	1.86E-03	4.10E-03
261498	6/17/2013 - 6/24/2013	Beta	1.53E-02	1.81E-03	4.14E-03
261865	6/24/2013 - 7/1/2013	Beta	1.08E-02	1.59E-03	3.91E-03
262675	4/1/2013 - 7/1/2013	I-131	<4.95E-02	0.00E+00	4.95E-02
		Cs-134	<5.98E-04	0.00E+00	5.98E-04
		Cs-137	<6.77E-04	0.00E+00	6.77E-04
		Be-7	1.55E-01	9.41E-03	8.47E-03
		K-40	1.09E-02	4.38E-03	7.15E-03
261872	7/1/2013 - 7/8/2013	Beta	1.49E-02	1.77E-03	4.04E-03
261880	7/8/2013 - 7/15/2013	Beta	8.92E-03	1.75E-03	4.87E-03
262175	7/15/2013 - 7/22/2013	Beta	9.25E-03	1.69E-03	4.72E-03
263181	7/22/2013 - 7/29/2013	Beta	1.16E-02	1.86E-03	5.03E-03
263408	7/29/2013 - 8/5/2013	Beta	1.60E-02	1.82E-03	4.21E-03
264066	8/5/2013 - 8/12/2013	Beta	1.53E-02	1.82E-03	4.27E-03
265197	8/12/2013 - 8/19/2013	Beta	8.30E-03	1.56E-03	4.20E-03
265506	8/19/2013 - 8/26/2013	Beta	8.07E-03	1.56E-03	4.29E-03
267192	8/26/2013 - 9/3/2013	Beta	1.96E-02	1.83E-03	3.92E-03
267665	9/3/2013 - 9/10/2013	Beta	2.34E-02	2.02E-03	3.93E-03
268501	9/10/2013 - 9/17/2013	Beta	2.53E-02	2.02E-03	3.70E-03
269661	9/17/2013 - 9/24/2013	Beta	1.56E-02	1.82E-03	4.16E-03
270766	9/24/2013 - 10/1/2013	Beta	1.56E-02	1.89E-03	4.51E-03
272652	7/1/2013 - 10/1/2013	I-131	<1.85E-02	0.00E+00	1.85E-02
		Cs-134	<1.18E-04	0.00E+00	1.18E-04
		Cs-137	<1.13E-04	0.00E+00	1.13E-04
		Be-7	5.74E-02	1.79E-03	1.93E-03
		K-40	2.07E-02	1.18E-03	1.15E-03
271491	10/1/2013 - 10/8/2013	Beta	2.21E-02	2.06E-03	4.35E-03
272098	10/8/2013 - 10/15/2013	Beta	8.26E-03	1.54E-03	4.13E-03
272482	10/15/2013 - 10/22/2013	Beta	2.16E-02	1.98E-03	4.01E-03
272881	10/22/2013 - 10/29/2013	Beta	2.44E-02	2.22E-03	4.79E-03

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 200 [INDICATOR - WSW @ 1 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
273972	10/29/2013 - 11/5/2013	Beta	2.80E-02	2.17E-03	3.97E-03
274419	11/5/2013 - 11/12/2013	Beta	1.99E-02	2.01E-03	4.31E-03
274933	11/12/2013 - 11/19/2013	Beta	1.05E-02	1.59E-03	3.93E-03
276487	11/19/2013 - 11/26/2013	Beta	1.73E-02	1.91E-03	4.19E-03
279512	11/26/2013 - 12/3/2013	Beta	2.28E-02	2.12E-03	4.39E-03
278732	12/3/2013 - 12/10/2013	Beta	1.79E-02	2.02E-03	4.67E-03
279005	12/10/2013 - 12/17/2013	Beta	2.54E-02	2.24E-03	4.46E-03
279651	12/17/2013 - 12/24/2013	Beta	1.57E-02	1.89E-03	4.37E-03
280129	12/24/2013 - 12/31/2013	Beta	1.85E-02	2.13E-03	5.05E-03
280584	10/1/2013 - 12/31/2013	Cs-134	<6.42E-04	0.00E+00	6.42E-04
		Cs-137	<7.04E-04	0.00E+00	7.04E-04
		Be-7	1.13E-01	1.04E-02	1.29E-02
		K-40	3.78E-02	6.96E-03	1.04E-02

Sample Point 201 [INDICATOR - NE @ 0.5 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
185449	1/7/2013 - 1/7/2013	Beta	3.40E-02	4.03E-03	3.20E-03
185466	1/14/2013 - 1/14/2013	Beta	1.92E-02	3.09E-03	2.82E-03
185483	1/21/2013 - 1/21/2013	Beta	1.48E-02	3.00E-03	3.24E-03
185500	1/28/2013 - 1/28/2013	Beta	2.59E-02	3.69E-03	3.45E-03
185517	2/4/2013 - 2/4/2013	Beta	2.44E-02	3.50E-03	3.19E-03
185534	2/11/2013 - 2/11/2013	Beta	1.74E-02	3.17E-03	3.25E-03
185550	2/18/2013 - 2/18/2013	Beta	1.72E-02	3.14E-03	3.19E-03
178070	2/18/2013 - 2/18/2013	I-131	<7.00E-02	0.00E+00	7.00E-02
		Cs-134	<5.00E-02	0.00E+00	5.00E-02
		Cs-137	<6.00E-02	0.00E+00	6.00E-02
		Be-7	1.12E-01	2.87E-02	
		K-40	6.83E-02	2.60E-02	
185567	2/25/2013 - 2/25/2013	Beta	1.48E-02	2.97E-03	3.12E-03
185584	3/4/2013 - 3/4/2013	Beta	1.40E-02	2.93E-03	3.12E-03
185601	3/11/2013 - 3/11/2013	Beta	1.25E-02	2.89E-03	3.24E-03
185618	3/18/2013 - 3/18/2013	Beta	2.21E-02	3.43E-03	3.25E-03

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 201 [INDICATOR - NE @ 0.5 miles]

Sample ID	Sample Dates	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
185635	3/25/2013 - 3/25/2013	Beta	1.75E-02	3.26E-03	3.43E-03
185652	4/1/2013 - 4/1/2013	Beta	1.45E-02	3.09E-03	3.45E-03
185669	4/8/2013 - 4/8/2013	Beta	2.11E-02	3.31E-03	3.04E-03
185676	4/15/2013 - 4/15/2013	Beta	1.58E-02	2.95E-03	2.91E-03
185683	4/22/2013 - 4/22/2013	Beta	1.52E-02	2.96E-03	3.04E-03
185690	4/29/2013 - 4/29/2013	Beta	2.00E-02	3.30E-03	3.22E-03
185697	5/6/2013 - 5/6/2013	Beta	1.01E-02	2.67E-03	3.11E-03
185704	5/13/2013 - 5/13/2013	Beta	1.75E-02	3.19E-03	3.32E-03
185711	5/20/2013 - 5/20/2013	Beta	2.67E-02	3.70E-03	3.44E-03
258917	5/20/2013 - 5/27/2013	Beta	8.28E-03	2.09E-03	6.31E-03
259236	5/27/2013 - 6/3/2013	Beta	9.77E-03	2.22E-03	6.62E-03
259977	6/3/2013 - 6/10/2013	Beta	1.16E-02	1.74E-03	4.37E-03
260454	6/10/2013 - 6/17/2013	Beta	1.89E-02	2.01E-03	4.43E-03
261499	6/17/2013 - 6/24/2013	Beta	1.25E-02	1.78E-03	4.35E-03
261866	6/24/2013 - 7/1/2013	Beta	1.08E-02	1.66E-03	4.16E-03
262676	4/1/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		I-131	<5.72E-02	0.00E+00	5.72E-02
		Cs-134	<5.52E-04	0.00E+00	5.52E-04
		Cs-137	<5.57E-04	0.00E+00	5.57E-04
		Be-7	1.60E-01	8.93E-03	9.53E-03
		K-40	3.02E-02	5.19E-03	7.19E-03
261873	7/1/2013 - 7/8/2013	Beta	8.09E-03	1.56E-03	4.19E-03
261881	7/8/2013 - 7/15/2013	Beta	8.73E-03	1.73E-03	4.79E-03
262176	7/15/2013 - 7/22/2013	Beta	8.04E-03	1.74E-03	5.05E-03
263182	7/22/2013 - 7/29/2013	Beta	1.41E-02	2.05E-03	5.40E-03
263409	7/29/2013 - 8/5/2013	Beta	1.60E-02	1.93E-03	4.58E-03
264067	8/5/2013 - 8/12/2013	Beta	1.54E-02	1.93E-03	4.60E-03
265198	8/12/2013 - 8/19/2013	Beta	1.23E-02	1.78E-03	4.45E-03

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 201 [INDICATOR - NE @ 0.5 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
265507	8/19/2013 - 8/26/2013	Beta	7.27E-03	1.71E-03	4.93E-03
267193	8/26/2013 - 9/3/2013	Beta	2.42E-02	2.03E-03	4.16E-03
267666	9/3/2013 - 9/10/2013	Beta	2.34E-02	2.10E-03	4.20E-03
268502	9/10/2013 - 9/17/2013	Beta	2.90E-02	2.20E-03	3.90E-03
269662	9/17/2013 - 9/24/2013	Beta	1.88E-02	2.02E-03	4.42E-03
270767	9/24/2013 - 10/1/2013	Beta	1.34E-02	1.87E-03	4.72E-03
272653	7/1/2013 - 10/1/2013	I-131	<6.92E-02	0.00E+00	6.92E-02
		Cs-134	<7.06E-04	0.00E+00	7.06E-04
		Cs-137	<7.58E-04	0.00E+00	7.58E-04
		Be-7	6.24E-02	6.61E-03	1.06E-02
		K-40	1.72E-02	3.63E-03	9.21E-03
271492	10/1/2013 - 10/8/2013	Beta	2.34E-02	2.19E-03	4.60E-03
272099	10/8/2013 - 10/15/2013	Beta	8.74E-03	1.62E-03	4.30E-03
272483	10/15/2013 - 10/22/2013	Beta	2.07E-02	2.02E-03	4.22E-03
272882	10/22/2013 - 10/29/2013	Beta	2.21E-02	2.23E-03	5.05E-03
273973	10/29/2013 - 11/5/2013	Beta	3.05E-02	2.33E-03	4.18E-03
274420	11/5/2013 - 11/12/2013	Beta	1.92E-02	2.04E-03	4.50E-03
274934	11/12/2013 - 11/19/2013	Beta	1.38E-02	1.77E-03	4.13E-03
276488	11/19/2013 - 11/26/2013	Beta	1.60E-02	1.81E-03	4.02E-03
279513	11/26/2013 - 12/3/2013	Beta	1.98E-02	1.94E-03	4.11E-03
278733	12/3/2013 - 12/10/2013	Beta	1.31E-02	1.87E-03	4.67E-03
279006	12/10/2013 - 12/17/2013	Beta	2.45E-02	2.19E-03	4.41E-03
279652	12/17/2013 - 12/24/2013	Beta	1.78E-02	1.92E-03	4.26E-03
280130	12/24/2013 - 12/31/2013	Beta	1.77E-02	2.06E-03	4.89E-03
280583	10/1/2013 - 12/31/2013	Cs-134	<4.81E-04	0.00E+00	4.81E-04
		Cs-137	<5.13E-04	0.00E+00	5.13E-04
		Be-7	1.12E-01	8.28E-03	8.70E-03
		K-40	3.42E-02	4.34E-03	6.54E-03

Sample Point 202 [INDICATOR - S @ 1 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
185450	1/7/2013 - 1/7/2013	Beta	3.88E-02	4.20E-03	3.14E-03

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 202 [INDICATOR - S @ 1 miles]

Sample ID	Sample Dates	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
185467	1/14/2013 - 1/14/2013	Beta	2.06E-02	3.22E-03	2.89E-03
185484	1/21/2013 - 1/21/2013	Beta	1.72E-02	3.09E-03	3.16E-03
185501	1/28/2013 - 1/28/2013	Beta	2.61E-02	3.65E-03	3.37E-03
185518	2/4/2013 - 2/4/2013	Beta	2.13E-02	3.32E-03	3.14E-03
185535	2/11/2013 - 2/11/2013	Beta	1.72E-02	3.10E-03	3.16E-03
185551	2/18/2013 - 2/18/2013	Beta	1.73E-02	3.09E-03	3.10E-03
178071	2/18/2013 - 2/18/2013	I-131	<7.00E-02	0.00E+00	7.00E-02
		Cs-134	<5.00E-02	0.00E+00	5.00E-02
		Cs-137	<6.00E-02	0.00E+00	6.00E-02
		Be-7	8.77E-02	2.32E-02	
		Ra-226	2.54E-02	1.52E-02	
185568	2/25/2013 - 2/25/2013	Beta	1.63E-02	3.01E-03	3.04E-03
185585	3/4/2013 - 3/4/2013	Beta	1.45E-02	2.91E-03	3.04E-03
185602	3/11/2013 - 3/11/2013	Beta	1.48E-02	2.99E-03	3.18E-03
185619	3/18/2013 - 3/18/2013	Beta	2.12E-02	3.33E-03	3.17E-03
185636	3/25/2013 - 3/25/2013	Beta	1.85E-02	3.25E-03	3.34E-03
185653	4/1/2013 - 4/1/2013	Beta	1.58E-02	3.11E-03	3.36E-03
185670	4/8/2013 - 4/8/2013	Beta	2.13E-02	3.25E-03	2.94E-03
185677	4/15/2013 - 4/15/2013	Beta	1.36E-02	2.74E-03	2.81E-03
185684	4/22/2013 - 4/22/2013	Beta	1.79E-02	3.04E-03	2.92E-03
185691	4/29/2013 - 4/29/2013	Beta	1.87E-02	3.15E-03	3.10E-03
185698	5/6/2013 - 5/6/2013	Beta	1.09E-02	2.65E-03	3.01E-03
185705	5/13/2013 - 5/13/2013	Beta	1.60E-02	3.03E-03	3.20E-03
185712	5/20/2013 - 5/20/2013	Beta	2.80E-02	3.68E-03	3.32E-03
258925	5/20/2013 - 5/27/2013	Beta	9.92E-03	2.10E-03	6.14E-03
259237	5/27/2013 - 6/3/2013	Beta	4.09E-03	1.91E-03	6.15E-03
259978	6/3/2013 - 6/10/2013	Beta	8.75E-03	1.57E-03	4.18E-03

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 202 [INDICATOR - S @ 1 miles]

Sample ID	Sample Dates	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
260455	6/10/2013 - 6/17/2013	Beta	1.52E-02	1.79E-03	4.10E-03
261500	6/17/2013 - 6/24/2013	Beta	1.30E-02	1.73E-03	4.13E-03
261867	6/24/2013 - 7/1/2013	Beta	1.12E-02	1.62E-03	3.95E-03
262677	4/1/2013 - 7/1/2013	Beta			LLD
		I-131	<4.03E-02	0.00E+00	4.03E-02
		Cs-134	<5.68E-04	0.00E+00	5.68E-04
		Cs-137	<5.48E-04	0.00E+00	5.48E-04
		Be-7	1.52E-01	7.67E-03	7.97E-03
		K-40	1.73E-02	3.27E-03	5.70E-03
261874	7/1/2013 - 7/8/2013	Beta	1.32E-02	1.75E-03	4.16E-03
261882	7/8/2013 - 7/15/2013	Beta	9.05E-03	1.67E-03	4.58E-03
262177	7/15/2013 - 7/22/2013	Beta	1.37E-02	1.86E-03	4.79E-03
263183	7/22/2013 - 7/29/2013	Beta	1.29E-02	1.94E-03	5.16E-03
263410	7/29/2013 - 8/5/2013	Beta	1.78E-02	1.94E-03	4.37E-03
264068	8/5/2013 - 8/12/2013	Beta	1.84E-02	1.95E-03	4.38E-03
265199	8/12/2013 - 8/19/2013	Beta	1.08E-02	1.69E-03	4.29E-03
265508	8/19/2013 - 8/26/2013	Beta	9.57E-03	1.66E-03	4.40E-03
267194	8/26/2013 - 9/3/2013	Beta	2.15E-02	1.91E-03	4.02E-03
267667	9/3/2013 - 9/10/2013	Beta	2.67E-02	2.15E-03	4.04E-03
268503	9/10/2013 - 9/17/2013	Beta	2.77E-02	2.12E-03	3.77E-03
269663	9/17/2013 - 9/24/2013	Beta	1.71E-02	1.91E-03	4.24E-03
270768	9/24/2013 - 10/1/2013	Beta	1.69E-02	1.95E-03	4.58E-03
272654	7/1/2013 - 10/1/2013	Beta			LLD
		I-131	<2.14E-02	0.00E+00	2.14E-02
		Cs-134	<2.65E-04	0.00E+00	2.65E-04
		Cs-137	<3.25E-04	0.00E+00	3.25E-04
		Be-7	5.91E-02	4.09E-03	4.59E-03
		K-40	5.71E-03	1.82E-03	3.86E-03
271493	10/1/2013 - 10/8/2013	Beta	2.16E-02	2.07E-03	4.42E-03
272100	10/8/2013 - 10/15/2013	Beta	9.09E-03	1.59E-03	4.18E-03
272484	10/15/2013 - 10/22/2013	Beta	1.90E-02	1.93E-03	4.08E-03
272883	10/22/2013 - 10/29/2013	Beta	2.84E-02	2.38E-03	4.89E-03

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 202 [INDICATOR - S @ 1 miles]

Sample ID	Sample Dates	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
273974	10/29/2013 - 11/5/2013	Beta	2.94E-02	2.25E-03	4.05E-03
274421	11/5/2013 - 11/12/2013	Beta	1.93E-02	2.01E-03	4.39E-03
274935	11/12/2013 - 11/19/2013	Beta	1.23E-02	1.68E-03	3.99E-03
276489	11/19/2013 - 11/26/2013	Beta	1.63E-02	1.90E-03	4.30E-03
279514	11/26/2013 - 12/3/2013	Beta	2.32E-02	2.12E-03	4.35E-03
278734	12/3/2013 - 12/10/2013	Beta	1.38E-02	1.87E-03	4.62E-03
279007	12/10/2013 - 12/17/2013	Beta	2.61E-02	2.25E-03	4.43E-03
279653	12/17/2013 - 12/24/2013	Beta	1.60E-02	1.89E-03	4.35E-03
280131	12/24/2013 - 12/31/2013	Beta	1.99E-02	2.17E-03	5.03E-03
280586	10/1/2013 - 12/31/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Cs-134	<5.29E-04	0.00E+00	5.29E-04
		Cs-137	<5.67E-04	0.00E+00	5.67E-04
		Be-7	1.12E-01	8.89E-03	9.04E-03
		K-40	1.21E-02	3.23E-03	9.47E-03

Sample Point 203 [INDICATOR - SSW @ 2 miles]

Sample ID	Sample Dates	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
185451	1/7/2013 - 1/7/2013	Beta	3.14E-02	3.78E-03	3.03E-03
185468	1/14/2013 - 1/14/2013	Beta	2.03E-02	3.13E-03	2.79E-03
185485	1/21/2013 - 1/21/2013	Beta	1.37E-02	2.92E-03	3.21E-03
185502	1/28/2013 - 1/28/2013	Beta	2.95E-02	3.82E-03	3.40E-03
185519	2/4/2013 - 2/4/2013	Beta	1.90E-02	3.20E-03	3.15E-03
185536	2/11/2013 - 2/11/2013	Beta	1.91E-02	3.23E-03	3.20E-03
185552	2/18/2013 - 2/18/2013	Beta	1.66E-02	3.07E-03	3.13E-03
178072	2/18/2013 - 2/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		I-131	<7.00E-02	0.00E+00	7.00E-02
		Cs-134	<5.00E-02	0.00E+00	5.00E-02
		Cs-137	<6.00E-02	0.00E+00	6.00E-02
		Be-7	1.21E-01	2.95E-02	
185569	2/25/2013 - 2/25/2013	Beta	1.37E-02	2.86E-03	3.06E-03
185586	3/4/2013 - 3/4/2013	Beta	1.32E-02	2.95E-03	3.22E-03
185603	3/11/2013 - 3/11/2013	Beta	1.20E-02	2.92E-03	3.34E-03
185620	3/18/2013 - 3/18/2013	Beta	2.15E-02	3.48E-03	3.37E-03

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 203 [INDICATOR - SSW @ 2 miles]

Sample ID	Sample Dates	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
185637	3/25/2013 - 3/25/2013	Beta	1.63E-02	3.24E-03	3.51E-03
185654	4/1/2013 - 4/1/2013	Beta	1.66E-02	3.27E-03	3.53E-03
185671	4/8/2013 - 4/8/2013	Beta	2.16E-02	3.38E-03	3.10E-03
185678	4/15/2013 - 4/15/2013	Beta	1.42E-02	2.91E-03	3.01E-03
185685	4/22/2013 - 4/22/2013	Beta	1.38E-02	2.93E-03	3.12E-03
185692	4/29/2013 - 4/29/2013	Beta	2.03E-02	3.38E-03	3.32E-03
185699	5/6/2013 - 5/6/2013	Beta	8.74E-03	2.64E-03	3.20E-03
185706	5/13/2013 - 5/13/2013	Beta	1.81E-02	3.29E-03	3.42E-03
185713	5/20/2013 - 5/20/2013	Beta	2.91E-02	3.82E-03	3.45E-03
258945	5/20/2013 - 5/27/2013	Beta	9.59E-03	2.27E-03	6.77E-03
259238	5/27/2013 - 6/3/2013	Beta	1.06E-02	2.06E-03	5.99E-03
259979	6/3/2013 - 6/10/2013	Beta	6.75E-03	1.46E-03	4.09E-03
260456	6/10/2013 - 6/17/2013	Beta	1.74E-02	1.84E-03	4.02E-03
261501	6/17/2013 - 6/24/2013	Beta	9.72E-03	1.58E-03	4.05E-03
261868	6/24/2013 - 7/1/2013	Beta	1.02E-02	1.56E-03	3.87E-03
262679	4/1/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		I-131	<4.85E-02	0.00E+00	4.85E-02
		Cs-134	<6.29E-04	0.00E+00	6.29E-04
		Cs-137	<7.67E-04	0.00E+00	7.67E-04
		Be-7	1.24E-01	8.45E-03	1.01E-02
		K-40	3.20E-02	5.54E-03	8.25E-03
261875	7/1/2013 - 7/8/2013	Beta	1.15E-02	1.64E-03	3.97E-03
261883	7/8/2013 - 7/15/2013	Beta	6.69E-03	1.57E-03	4.50E-03
262178	7/15/2013 - 7/22/2013	Beta	8.30E-03	1.65E-03	4.72E-03
263184	7/22/2013 - 7/29/2013	Beta	1.33E-02	1.92E-03	5.06E-03
263411	7/29/2013 - 8/5/2013	Beta	1.84E-02	1.92E-03	4.28E-03
264069	8/5/2013 - 8/12/2013	Beta	1.46E-02	1.80E-03	4.31E-03
265200	8/12/2013 - 8/19/2013	Beta	1.42E-02	1.78E-03	4.21E-03

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 203 [INDICATOR - SSW @ 2 miles]

Sample ID	Sample Dates	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
265509	8/19/2013 - 8/26/2013	Beta	1.05E-02	1.67E-03	4.32E-03
267195	8/26/2013 - 9/3/2013	Beta	1.76E-02	1.77E-03	3.95E-03
267668	9/3/2013 - 9/10/2013	Beta	2.76E-02	2.15E-03	3.96E-03
268504	9/10/2013 - 9/17/2013	Beta	2.58E-02	2.05E-03	3.71E-03
269664	9/17/2013 - 9/24/2013	Beta	1.76E-02	1.89E-03	4.14E-03
270769	9/24/2013 - 10/1/2013	Beta	1.49E-02	1.86E-03	4.49E-03
272655	7/1/2013 - 10/1/2013	I-131	<2.70E-02	0.00E+00	2.70E-02
		Cs-134	<3.18E-04	0.00E+00	3.18E-04
		Cs-137	<3.52E-04	0.00E+00	3.52E-04
		Be-7	6.01E-02	4.21E-03	4.54E-03
		K-40	<7.34E-03	0.00E+00	7.34E-03
271494	10/1/2013 - 10/8/2013	Beta	2.39E-02	2.13E-03	4.37E-03
272101	10/8/2013 - 10/15/2013	Beta	8.86E-03	1.55E-03	4.09E-03
272485	10/15/2013 - 10/22/2013	Beta	1.98E-02	1.93E-03	3.99E-03
272884	10/22/2013 - 10/29/2013	Beta	3.04E-02	2.39E-03	4.79E-03
273975	10/29/2013 - 11/5/2013	Beta	2.80E-02	2.17E-03	3.95E-03
274422	11/5/2013 - 11/12/2013	Beta	1.86E-02	1.95E-03	4.27E-03
274936	11/12/2013 - 11/19/2013	Beta	9.47E-03	1.54E-03	3.89E-03
276490	11/19/2013 - 11/26/2013	Beta	1.75E-02	1.96E-03	4.33E-03
279515	11/26/2013 - 12/3/2013	Beta	1.97E-02	2.04E-03	4.44E-03
278735	12/3/2013 - 12/10/2013	Beta	1.15E-02	1.82E-03	4.71E-03
279008	12/10/2013 - 12/17/2013	Beta	2.59E-02	2.28E-03	4.53E-03
279654	12/17/2013 - 12/24/2013	Beta	1.78E-02	1.98E-03	4.43E-03
280132	12/24/2013 - 12/31/2013	Beta	2.05E-02	2.22E-03	5.13E-03
280587	10/1/2013 - 12/31/2013	Cs-134	<6.28E-04	0.00E+00	6.28E-04
		Cs-137	<5.47E-04	0.00E+00	5.47E-04
		Be-7	9.47E-02	9.59E-03	1.03E-02
		K-40	1.87E-02	3.53E-03	5.54E-03

Sample Point 204 [CONTROL - NNE @ 22.4 miles]

Sample ID	Sample Dates	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
185452	1/7/2013 - 1/7/2013	Beta	3.44E-02	3.99E-03	3.13E-03

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 204 [CONTROL - NNE @ 22.4 miles]

Sample ID	Sample Dates	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
185469	1/14/2013 - 1/14/2013	Beta	2.17E-02	3.27E-03	2.87E-03
185486	1/21/2013 - 1/21/2013	Beta	1.64E-02	3.13E-03	3.30E-03
185503	1/28/2013 - 1/28/2013	Beta	2.73E-02	3.81E-03	3.52E-03
185520	2/4/2013 - 2/4/2013	Beta	2.49E-02	3.58E-03	3.25E-03
185537	2/11/2013 - 2/11/2013	Beta	1.96E-02	3.31E-03	3.28E-03
185553	2/18/2013 - 2/18/2013	Beta	1.73E-02	3.15E-03	3.20E-03
178073	2/18/2013 - 2/18/2013	I-131	<7.00E-02	0.00E+00	7.00E-02
		Cs-134	<5.00E-02	0.00E+00	5.00E-02
		Cs-137	<6.00E-02	0.00E+00	6.00E-02
		Be-7	1.21E-01	2.97E-02	
		K-40	3.78E-02	1.76E-02	
185570	2/25/2013 - 2/25/2013	Beta	1.62E-02	3.08E-03	3.16E-03
185587	3/4/2013 - 3/4/2013	Beta	1.58E-02	3.05E-03	3.13E-03
185604	3/11/2013 - 3/11/2013	Beta	1.37E-02	2.97E-03	3.26E-03
185621	3/18/2013 - 3/18/2013	Beta	2.23E-02	3.43E-03	3.24E-03
185638	3/25/2013 - 3/25/2013	Beta	2.01E-02	3.39E-03	3.42E-03
185655	4/1/2013 - 4/1/2013	Beta	1.67E-02	3.20E-03	3.43E-03
185672	4/8/2013 - 4/8/2013	Beta	2.27E-02	3.38E-03	3.02E-03
185679	4/15/2013 - 4/15/2013	Beta	1.56E-02	2.93E-03	2.91E-03
185686	4/22/2013 - 4/22/2013	Beta	1.69E-02	3.04E-03	3.00E-03
185693	4/29/2013 - 4/29/2013	Beta	1.52E-02	3.02E-03	3.21E-03
185700	5/6/2013 - 5/6/2013	Beta	9.50E-03	2.62E-03	3.10E-03
185707	5/13/2013 - 5/13/2013	Beta	1.82E-02	3.21E-03	3.29E-03
185714	5/20/2013 - 5/20/2013	Beta	2.59E-02	3.65E-03	3.42E-03
258946	5/20/2013 - 5/27/2013	Beta	9.60E-03	2.13E-03	6.29E-03
259239	5/27/2013 - 6/3/2013	Beta	5.49E-03	2.04E-03	6.43E-03
259980	6/3/2013 - 6/10/2013	Beta	8.67E-03	1.60E-03	4.29E-03

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 204 [CONTROL - NNE @ 22.4 miles]

Sample ID	Sample Dates	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
260457	6/10/2013 - 6/17/2013	Beta	1.69E-02	1.90E-03	4.30E-03
261502	6/17/2013 - 6/24/2013	Beta	1.17E-02	1.70E-03	4.20E-03
261869	6/24/2013 - 7/1/2013	Beta	1.00E-02	1.62E-03	4.11E-03
262680	4/1/2013 - 7/1/2013	I-131	<4.62E-02	0.00E+00	4.62E-02
		Cs-134	<4.94E-04	0.00E+00	4.94E-04
		Cs-137	<6.95E-04	0.00E+00	6.95E-04
		Be-7	1.44E-01	8.13E-03	8.75E-03
		K-40	2.70E-02	5.26E-03	7.14E-03
261876	7/1/2013 - 7/8/2013	Beta	9.13E-03	1.58E-03	4.13E-03
261885	7/8/2013 - 7/15/2013	Beta	6.08E-03	1.60E-03	4.73E-03
262179	7/15/2013 - 7/22/2013	Beta	8.56E-03	1.72E-03	4.94E-03
263185	7/22/2013 - 7/29/2013	Beta	1.33E-02	1.99E-03	5.34E-03
263412	7/29/2013 - 8/5/2013	Beta	1.73E-02	1.96E-03	4.50E-03
264070	8/5/2013 - 8/12/2013	Beta	1.24E-02	1.80E-03	4.56E-03
265201	8/12/2013 - 8/19/2013	Beta	1.22E-02	1.76E-03	4.38E-03
265510	8/19/2013 - 8/26/2013	Beta	1.18E-02	1.78E-03	4.56E-03
267196	8/26/2013 - 9/3/2013	Beta	2.62E-02	2.09E-03	4.14E-03
267669	9/3/2013 - 9/10/2013	Beta	2.43E-02	2.12E-03	4.18E-03
268505	9/10/2013 - 9/17/2013	Beta	2.45E-02	2.11E-03	4.01E-03
269665	9/17/2013 - 9/24/2013	Beta	1.67E-02	1.89E-03	4.24E-03
270770	9/24/2013 - 10/1/2013	Beta	1.12E-02	1.78E-03	4.66E-03
272656	7/1/2013 - 10/1/2013	I-131	<3.10E-02	0.00E+00	3.10E-02
		Cs-134	<3.05E-04	0.00E+00	3.05E-04
		Cs-137	<3.15E-04	0.00E+00	3.15E-04
		Be-7	5.80E-02	3.72E-03	4.42E-03
		K-40	1.64E-02	2.50E-03	3.75E-03
271495	10/1/2013 - 10/8/2013	Beta	2.11E-02	2.11E-03	4.58E-03
272102	10/8/2013 - 10/15/2013	Beta	8.38E-03	1.58E-03	4.25E-03
272486	10/15/2013 - 10/22/2013	Beta	2.01E-02	2.01E-03	4.24E-03
272885	10/22/2013 - 10/29/2013	Beta	2.76E-02	2.37E-03	4.98E-03

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 204 [CONTROL - NNE @ 22.4 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
273976	10/29/2013 - 11/5/2013	Beta	3.35E-02	2.38E-03	4.10E-03
274423	11/5/2013 - 11/12/2013	Beta	2.03E-02	2.08E-03	4.50E-03
274937	11/12/2013 - 11/19/2013	Beta	1.21E-02	1.71E-03	4.09E-03
276491	11/19/2013 - 11/26/2013	Beta	1.85E-02	2.00E-03	4.36E-03
279516	11/26/2013 - 12/3/2013	Beta	2.19E-02	2.12E-03	4.48E-03
278736	12/3/2013 - 12/10/2013	Beta	1.44E-02	1.95E-03	4.78E-03
279009	12/10/2013 - 12/17/2013	Beta	3.06E-02	2.39E-03	4.48E-03
279655	12/17/2013 - 12/24/2013	Beta	1.63E-02	1.93E-03	4.42E-03
280133	12/24/2013 - 12/31/2013	Beta	2.30E-02	2.29E-03	5.11E-03
280588	10/1/2013 - 12/31/2013	Cs-134	<8.00E-04	0.00E+00	8.00E-04
		Cs-137	<8.54E-04	0.00E+00	8.54E-04
		Be-7	1.15E-01	8.76E-03	1.10E-02
		K-40	4.16E-02	6.32E-03	1.07E-02

Sample Point 205 [INDICATOR - SSE @ 0.6 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
185453	1/7/2013 - 1/7/2013	Beta	3.25E-02	3.89E-03	3.11E-03
185470	1/14/2013 - 1/14/2013	Beta	1.89E-02	3.10E-03	2.85E-03
185487	1/21/2013 - 1/21/2013	Beta	1.54E-02	3.04E-03	3.23E-03
185504	1/28/2013 - 1/28/2013	Beta	2.40E-02	3.65E-03	3.52E-03
185521	2/4/2013 - 2/4/2013	Beta	1.72E-02	3.16E-03	3.24E-03
185538	2/11/2013 - 2/11/2013	Beta	1.71E-02	3.16E-03	3.26E-03
185554	2/18/2013 - 2/18/2013	Beta	1.60E-02	3.08E-03	3.20E-03
178074	2/18/2013 - 2/18/2013	I-131	<7.00E-02	0.00E+00	7.00E-02
		Cs-134	<5.00E-02	0.00E+00	5.00E-02
		Cs-137	<6.00E-02	0.00E+00	6.00E-02
		Be-7	1.18E-01	2.86E-02	
		K-40	9.23E-02	2.84E-02	
185571	2/25/2013 - 2/25/2013	Beta	1.34E-02	3.01E-03	3.30E-03
185588	3/4/2013 - 3/4/2013	Beta	1.40E-02	2.95E-03	3.14E-03
185605	3/11/2013 - 3/11/2013	Beta	1.45E-02	3.04E-03	3.29E-03
185622	3/18/2013 - 3/18/2013	Beta	2.03E-02	3.34E-03	3.25E-03

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 205 [INDICATOR - SSE @ 0.6 miles]

Sample ID	Sample Dates	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
185639	3/25/2013 - 3/25/2013	Beta	1.72E-02	3.24E-03	3.43E-03
185656	4/1/2013 - 4/1/2013	Beta	1.61E-02	3.20E-03	3.47E-03
185673	4/8/2013 - 4/8/2013	Beta	2.20E-02	3.35E-03	3.02E-03
185680	4/15/2013 - 4/15/2013	Beta	1.45E-02	2.85E-03	2.90E-03
185687	4/22/2013 - 4/22/2013	Beta	1.43E-02	2.90E-03	3.02E-03
185694	4/29/2013 - 4/29/2013	Beta	1.52E-02	3.03E-03	3.21E-03
185701	5/6/2013 - 5/6/2013	Beta	1.13E-02	2.75E-03	3.11E-03
185708	5/13/2013 - 5/13/2013	Beta	1.52E-02	3.04E-03	3.29E-03
185715	5/20/2013 - 5/20/2013	Beta	2.33E-02	3.52E-03	3.41E-03
258947	5/20/2013 - 5/27/2013	Beta	8.04E-03	2.09E-03	6.33E-03
259240	5/27/2013 - 6/3/2013	Beta	7.00E-03	2.06E-03	6.35E-03
259981	6/3/2013 - 6/10/2013	Beta	2.09E-02	2.05E-03	4.31E-03
260458	6/10/2013 - 6/17/2013	Beta	1.95E-02	1.97E-03	4.23E-03
261503	6/17/2013 - 6/24/2013	Beta	1.29E-02	1.76E-03	4.27E-03
261870	6/24/2013 - 7/1/2013	Beta	8.49E-03	1.54E-03	4.06E-03
262682	4/1/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		I-131	<4.20E-02	0.00E+00	4.20E-02
		Cs-134	<5.18E-04	0.00E+00	5.18E-04
		Cs-137	<6.01E-04	0.00E+00	6.01E-04
		Be-7	1.46E-01	8.46E-03	6.71E-03
		K-40	2.29E-02	4.27E-03	6.42E-03
261877	7/1/2013 - 7/8/2013	Beta	1.10E-02	1.69E-03	4.21E-03
261886	7/8/2013 - 7/15/2013	Beta	3.86E-03	1.52E-03	4.76E-03
262180	7/15/2013 - 7/22/2013	Beta	6.31E-03	1.66E-03	4.99E-03
263186	7/22/2013 - 7/29/2013	Beta	1.54E-02	2.07E-03	5.33E-03
263413	7/29/2013 - 8/5/2013	Beta	1.57E-02	1.91E-03	4.52E-03
264071	8/5/2013 - 8/12/2013	Beta	1.65E-02	1.90E-03	4.40E-03
265202	8/12/2013 - 8/19/2013	Beta	1.14E-02	1.79E-03	4.58E-03

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 205 [INDICATOR - SSE @ 0.6 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
265511	8/19/2013 - 8/26/2013	Beta	8.83E-03	1.67E-03	4.56E-03
267197	8/26/2013 - 9/3/2013	Beta	1.98E-02	1.90E-03	4.16E-03
267670	9/3/2013 - 9/10/2013	Beta	2.28E-02	2.12E-03	4.30E-03
268506	9/10/2013 - 9/17/2013	Beta	2.58E-02	2.11E-03	3.91E-03
269666	9/17/2013 - 9/24/2013	Beta	1.93E-02	2.01E-03	4.37E-03
270771	9/24/2013 - 10/1/2013	Beta	1.44E-02	1.91E-03	4.72E-03
272657	7/1/2013 - 10/1/2013	I-131	<2.92E-02	0.00E+00	2.92E-02
		Cs-134	<3.11E-04	0.00E+00	3.11E-04
		Cs-137	<3.08E-04	0.00E+00	3.08E-04
		Be-7	5.17E-02	3.92E-03	4.00E-03
		K-40	<6.13E-03	0.00E+00	6.13E-03
271496	10/1/2013 - 10/8/2013	Beta	1.91E-02	2.04E-03	4.57E-03
272103	10/8/2013 - 10/15/2013	Beta	7.99E-03	1.59E-03	4.35E-03
272487	10/15/2013 - 10/22/2013	Beta	1.83E-02	1.94E-03	4.21E-03
272886	10/22/2013 - 10/29/2013	Beta	2.92E-02	2.43E-03	5.02E-03
273977	10/29/2013 - 11/5/2013	Beta	2.75E-02	2.23E-03	4.15E-03
274424	11/5/2013 - 11/12/2013	Beta	1.83E-02	2.02E-03	4.52E-03
274938	11/12/2013 - 11/19/2013	Beta	1.00E-02	1.62E-03	4.11E-03
276492	11/19/2013 - 11/26/2013	Beta	1.81E-02	1.92E-03	4.13E-03
279517	11/26/2013 - 12/3/2013	Beta	1.99E-02	1.94E-03	4.08E-03
278737	12/3/2013 - 12/10/2013	Beta	1.38E-02	1.80E-03	4.35E-03
279010	12/10/2013 - 12/17/2013	Beta	2.76E-02	2.33E-03	4.53E-03
279656	12/17/2013 - 12/24/2013	Beta	1.73E-02	1.96E-03	4.42E-03
280134	12/24/2013 - 12/31/2013	Beta	2.08E-02	2.24E-03	5.13E-03
280589	10/1/2013 - 12/31/2013	Cs-134	<5.36E-04	0.00E+00	5.36E-04
		Cs-137	<5.98E-04	0.00E+00	5.98E-04
		Be-7	1.06E-01	7.69E-03	9.10E-03
		K-40	3.41E-02	4.76E-03	5.32E-03

Sample Point 206 [CONTROL - NW @ 11.3 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
185454	1/7/2013 - 1/7/2013	Beta	3.26E-02	3.92E-03	3.14E-03

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 206 [CONTROL - NW @ 11.3 miles]

Sample ID	Sample Dates	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
185471	1/14/2013 - 1/14/2013	Beta	2.45E-02	3.44E-03	2.90E-03
185488	1/21/2013 - 1/21/2013	Beta	1.75E-02	3.20E-03	3.31E-03
185505	1/28/2013 - 1/28/2013	Beta	2.75E-02	3.80E-03	3.49E-03
185522	2/4/2013 - 2/4/2013	Beta	1.99E-02	3.32E-03	3.25E-03
185539	2/11/2013 - 2/11/2013	Beta	1.46E-02	3.03E-03	3.28E-03
185555	2/18/2013 - 2/18/2013	Beta	1.75E-02	3.17E-03	3.21E-03
178075	2/18/2013 - 2/18/2013	I-131	<7.00E-02	0.00E+00	7.00E-02
		Cs-134	<5.00E-02	0.00E+00	5.00E-02
		Cs-137	<6.00E-02	0.00E+00	6.00E-02
		Be-7	1.26E-01	2.88E-02	
		K-40	2.90E-02	1.63E-02	
		Bi-214	2.40E-03	1.54E-03	
		Ra-226	2.34E-02	1.67E-02	
185572	2/25/2013 - 2/25/2013	Beta	1.89E-02	3.25E-03	3.18E-03
185589	3/4/2013 - 3/4/2013	Beta	1.72E-02	3.13E-03	3.13E-03
185606	3/11/2013 - 3/11/2013	Beta	1.58E-02	3.11E-03	3.27E-03
185623	3/18/2013 - 3/18/2013	Beta	2.13E-02	3.38E-03	3.24E-03
185640	3/25/2013 - 3/25/2013	Beta	1.69E-02	3.22E-03	3.42E-03
185657	4/1/2013 - 4/1/2013	Beta	1.41E-02	3.07E-03	3.44E-03
185674	4/8/2013 - 4/8/2013	Beta	2.29E-02	3.40E-03	3.03E-03
185681	4/15/2013 - 4/15/2013	Beta	1.50E-02	2.90E-03	2.93E-03
185688	4/22/2013 - 4/22/2013	Beta	1.58E-02	2.99E-03	3.03E-03
185695	4/29/2013 - 4/29/2013	Beta	2.12E-02	3.37E-03	3.23E-03
185702	5/6/2013 - 5/6/2013	Beta	1.01E-02	2.67E-03	3.12E-03
185709	5/13/2013 - 5/13/2013	Beta	1.72E-02	3.18E-03	3.33E-03
185716	5/20/2013 - 5/20/2013	Beta	2.79E-02	3.77E-03	3.46E-03
258948	5/20/2013 - 5/27/2013	Beta	5.32E-03	2.01E-03	6.36E-03
259241	5/27/2013 - 6/3/2013	Beta	7.06E-03	2.10E-03	6.49E-03
259982	6/3/2013 - 6/10/2013	Beta	9.38E-03	1.65E-03	4.36E-03

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 206 [CONTROL - NW @ 11.3 miles]

Sample ID	Sample Dates	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
260459	6/10/2013 - 6/17/2013	Beta	1.75E-02	1.94E-03	4.35E-03
261504	6/17/2013 - 6/24/2013	Beta	1.32E-02	1.78E-03	4.27E-03
261871	6/24/2013 - 7/1/2013	Beta	9.32E-03	1.61E-03	4.19E-03
262683	4/1/2013 - 7/1/2013	I-131	<4.86E-02	0.00E+00	4.86E-02
		Cs-134	<6.98E-04	0.00E+00	6.98E-04
		Cs-137	<6.97E-04	0.00E+00	6.97E-04
		Be-7	1.18E-01	8.96E-03	1.06E-02
		K-40	3.61E-02	5.50E-03	8.32E-03
261878	7/1/2013 - 7/8/2013	Beta	1.17E-02	1.71E-03	4.21E-03
261888	7/8/2013 - 7/15/2013	Beta	8.33E-03	1.72E-03	4.84E-03
262181	7/15/2013 - 7/22/2013	Beta	1.19E-02	1.88E-03	5.06E-03
263187	7/22/2013 - 7/29/2013	Beta	1.32E-02	2.03E-03	5.45E-03
263414	7/29/2013 - 8/5/2013	Beta	1.39E-02	1.87E-03	4.60E-03
264072	8/5/2013 - 8/12/2013	Beta	1.42E-02	1.90E-03	4.66E-03
265203	8/12/2013 - 8/19/2013	Beta	1.18E-02	1.78E-03	4.48E-03
265512	8/19/2013 - 8/26/2013	Beta	8.09E-03	1.67E-03	4.68E-03
267198	8/26/2013 - 9/3/2013	Beta	1.76E-02	1.87E-03	4.24E-03
267671	9/3/2013 - 9/10/2013	Beta	2.79E-02	2.27E-03	4.29E-03
268507	9/10/2013 - 9/17/2013	Beta	3.00E-02	2.30E-03	4.11E-03
269667	9/17/2013 - 9/24/2013	Beta	1.71E-02	1.94E-03	4.34E-03
270772	9/24/2013 - 10/1/2013	Beta	1.36E-02	1.90E-03	4.77E-03
272658	7/1/2013 - 10/1/2013	I-131	<2.84E-02	0.00E+00	2.84E-02
		Cs-134	<2.57E-04	0.00E+00	2.57E-04
		Cs-137	<2.48E-04	0.00E+00	2.48E-04
		Be-7	6.09E-02	3.89E-03	3.86E-03
		K-40	5.41E-03	1.80E-03	3.28E-03
271497	10/1/2013 - 10/8/2013	Beta	2.63E-02	2.30E-03	4.70E-03
272104	10/8/2013 - 10/15/2013	Beta	8.69E-03	1.62E-03	4.34E-03
272488	10/15/2013 - 10/22/2013	Beta	1.98E-02	2.04E-03	4.34E-03
272887	10/22/2013 - 10/29/2013	Beta	2.64E-02	2.38E-03	5.08E-03

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 206 [CONTROL - NW @ 11.3 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
273978	10/29/2013 - 11/5/2013	Beta	3.04E-02	2.33E-03	4.19E-03
274425	11/5/2013 - 11/12/2013	Beta	1.82E-02	2.04E-03	4.60E-03
274939	11/12/2013 - 11/19/2013	Beta	1.23E-02	1.74E-03	4.18E-03
276493	11/19/2013 - 11/26/2013	Beta	1.82E-02	2.02E-03	4.43E-03
279518	11/26/2013 - 12/3/2013	Beta	1.66E-02	1.96E-03	4.50E-03
278738	12/3/2013 - 12/10/2013	Beta	1.60E-02	1.95E-03	4.60E-03
279011	12/10/2013 - 12/17/2013	Beta	2.64E-02	2.28E-03	4.50E-03
279657	12/17/2013 - 12/24/2013	Beta	1.57E-02	1.92E-03	4.42E-03
280135	12/24/2013 - 12/31/2013	Beta	2.04E-02	2.21E-03	5.09E-03
280590	10/1/2013 - 12/31/2013	Cs-134	<5.48E-04	0.00E+00	5.48E-04
		Cs-137	<5.68E-04	0.00E+00	5.68E-04
		Be-7	1.08E-01	8.68E-03	9.91E-03
		K-40	<1.67E-02	0.00E+00	1.67E-02

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

Sample Point 200 [INDICATOR - WSW @ 1 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
177492	1/7/2013 - 1/7/2013	I-131	<1.76E-02	0.00E+00	1.76E-02
177567	1/14/2013 - 1/14/2013	I-131	<1.87E-02	0.00E+00	1.87E-02
177605	1/21/2013 - 1/21/2013	I-131	<1.71E-02	0.00E+00	1.71E-02
177646	1/28/2013 - 1/28/2013	I-131	<1.53E-02	0.00E+00	1.53E-02
177680	2/4/2013 - 2/4/2013	I-131	<1.78E-02	0.00E+00	1.78E-02
177725	2/11/2013 - 2/11/2013	I-131	<1.72E-02	0.00E+00	1.72E-02
177763	2/18/2013 - 2/18/2013	I-131	<1.92E-02	0.00E+00	1.92E-02
177817	2/25/2013 - 2/25/2013	I-131	<1.66E-02	0.00E+00	1.66E-02
177870	3/4/2013 - 3/4/2013	I-131	<1.79E-02	0.00E+00	1.79E-02
177913	3/11/2013 - 3/11/2013	I-131	<2.00E-02	0.00E+00	2.00E-02
177955	3/18/2013 - 3/18/2013	I-131	<1.74E-02	0.00E+00	1.74E-02
177999	3/25/2013 - 3/25/2013	I-131	<2.29E-02	0.00E+00	2.29E-02

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 200 [INDICATOR - WSW @ 1 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
178033	4/1/2013 - 4/1/2013	I-131	<2.57E-02	0.00E+00	2.57E-02
178086	4/8/2013 - 4/8/2013	I-131	<2.05E-02	0.00E+00	2.05E-02
178116	4/15/2013 - 4/15/2013	I-131	<1.45E-02	0.00E+00	1.45E-02
179017	4/22/2013 - 4/22/2013	I-131	<1.65E-02	0.00E+00	1.65E-02
179031	4/29/2013 - 4/29/2013	I-131	<1.85E-02	0.00E+00	1.85E-02
179045	5/6/2013 - 5/6/2013	I-131	<1.86E-02	0.00E+00	1.86E-02
179068	5/13/2013 - 5/13/2013	I-131	<2.03E-02	0.00E+00	2.03E-02
179083	5/20/2013 - 5/20/2013	I-131	<2.53E-02	0.00E+00	2.53E-02
258900	5/20/2013 - 5/27/2013	I-131	<4.81E-02	0.00E+00	4.81E-02
		Cs-134	<2.80E-02	0.00E+00	2.80E-02
		Cs-137	<3.58E-02	0.00E+00	3.58E-02
		Be-7	<2.84E-01	0.00E+00	2.84E-01
		K-40	<1.17E+00	0.00E+00	1.17E+00
258907	5/27/2013 - 6/3/2013	I-131	<4.74E-02	0.00E+00	4.74E-02
		Cs-134	<2.95E-02	0.00E+00	2.95E-02
		Cs-137	<3.56E-02	0.00E+00	3.56E-02
		Be-7	<2.03E-01	0.00E+00	2.03E-01
		K-40	<8.82E-01	0.00E+00	8.82E-01
259042	6/3/2013 - 6/10/2013	I-131	<6.09E-02	0.00E+00	6.09E-02
		Cs-134	<3.80E-02	0.00E+00	3.80E-02
		Cs-137	<4.07E-02	0.00E+00	4.07E-02
		Be-7	<2.73E-01	0.00E+00	2.73E-01
		K-40	8.87E-01	2.22E-01	1.50E-01
259590	6/10/2013 - 6/17/2013	I-131	<2.40E-02	0.00E+00	2.40E-02
		Cs-134	<1.92E-02	0.00E+00	1.92E-02
		Cs-137	<2.32E-02	0.00E+00	2.32E-02
		Be-7	<1.17E-01	0.00E+00	1.17E-01
		K-40	7.25E-01	1.64E-01	6.94E-02
260224	6/17/2013 - 6/24/2013	I-131	<2.86E-02	0.00E+00	2.86E-02
		Cs-134	<1.66E-02	0.00E+00	1.66E-02
		Cs-137	<2.01E-02	0.00E+00	2.01E-02
		Be-7	<1.38E-01	0.00E+00	1.38E-01
		K-40	8.04E-01	1.80E-01	3.74E-01
261858	6/24/2013 - 7/1/2013	I-131	<1.74E-02	0.00E+00	1.74E-02
		Cs-134	<1.60E-02	0.00E+00	1.60E-02
		Cs-137	<2.52E-02	0.00E+00	2.52E-02
		Be-7	<1.40E-01	0.00E+00	1.40E-01
		K-40	5.81E-01	1.50E-01	1.05E-01
260684	7/1/2013 - 7/8/2013	I-131	<3.42E-02	0.00E+00	3.42E-02
		Cs-134	<2.61E-02	0.00E+00	2.61E-02
		Cs-137	<3.80E-02	0.00E+00	3.80E-02
		Be-7	<1.24E-01	0.00E+00	1.24E-01
		K-40	1.03E+00	2.20E-01	1.27E-01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 200 [INDICATOR - WSW @ 1 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
261647	7/8/2013 - 7/15/2013	I-131	<5.02E-02	0.00E+00	5.02E-02
		Cs-134	<4.25E-02	0.00E+00	4.25E-02
		Cs-137	<3.29E-02	0.00E+00	3.29E-02
		Be-7	<3.60E-01	0.00E+00	3.60E-01
		K-40	<1.02E+00	0.00E+00	1.02E+00
262148	7/15/2013 - 7/22/2013	I-131	<3.56E-02	0.00E+00	3.56E-02
		Cs-134	<3.20E-02	0.00E+00	3.20E-02
		Cs-137	<3.90E-02	0.00E+00	3.90E-02
		Be-7	<2.58E-01	0.00E+00	2.58E-01
		K-40	5.42E-01	1.71E-01	4.91E-01
263154	7/22/2013 - 7/29/2013	I-131	<3.13E-02	0.00E+00	3.13E-02
		Cs-134	<2.10E-02	0.00E+00	2.10E-02
		Cs-137	<2.87E-02	0.00E+00	2.87E-02
		Be-7	<1.07E-01	0.00E+00	1.07E-01
		K-40	<7.71E-01	0.00E+00	7.71E-01
263381	7/29/2013 - 8/5/2013	I-131	<5.74E-02	0.00E+00	5.74E-02
		Cs-134	<3.72E-02	0.00E+00	3.72E-02
		Cs-137	<3.15E-02	0.00E+00	3.15E-02
		Be-7	<2.67E-01	0.00E+00	2.67E-01
		K-40	<1.10E+00	0.00E+00	1.10E+00
264039	8/5/2013 - 8/12/2013	I-131	<4.81E-02	0.00E+00	4.81E-02
		Cs-134	<3.64E-02	0.00E+00	3.64E-02
		Cs-137	<4.13E-02	0.00E+00	4.13E-02
		Be-7	<2.70E-01	0.00E+00	2.70E-01
		K-40	7.69E-01	2.44E-01	6.09E-01
265170	8/12/2013 - 8/19/2013	I-131	<3.36E-02	0.00E+00	3.36E-02
		Cs-134	<1.94E-02	0.00E+00	1.94E-02
		Cs-137	<2.34E-02	0.00E+00	2.34E-02
		Be-7	<8.55E-02	0.00E+00	8.55E-02
		K-40	5.48E-01	1.84E-01	4.37E-01
265479	8/19/2013 - 8/26/2013	I-131	<3.65E-02	0.00E+00	3.65E-02
		Cs-134	<3.57E-02	0.00E+00	3.57E-02
		Cs-137	<2.51E-02	0.00E+00	2.51E-02
		Be-7	<2.73E-01	0.00E+00	2.73E-01
		K-40	<1.01E+00	0.00E+00	1.01E+00
267165	8/26/2013 - 9/3/2013	I-131	<3.61E-02	0.00E+00	3.61E-02
		Cs-134	<3.15E-02	0.00E+00	3.15E-02
		Cs-137	<2.80E-02	0.00E+00	2.80E-02
		Be-7	<2.50E-01	0.00E+00	2.50E-01
		K-40	7.56E-01	1.89E-01	4.51E-01
267638	9/3/2013 - 9/10/2013	I-131	<3.67E-02	0.00E+00	3.67E-02
		Cs-134	<2.99E-02	0.00E+00	2.99E-02
		Cs-137	<3.86E-02	0.00E+00	3.86E-02
		Be-7	1.19E-01	7.18E-02	2.71E-01
		K-40	5.88E-01	1.77E-01	5.12E-01
268471	9/10/2013 - 9/17/2013	I-131	<4.14E-02	0.00E+00	4.14E-02
		Cs-134	<3.20E-02	0.00E+00	3.20E-02
		Cs-137	<3.71E-02	0.00E+00	3.71E-02
		Be-7	<2.28E-01	0.00E+00	2.28E-01
		K-40	8.91E-01	2.16E-01	1.42E-01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 200 [INDICATOR - WSW @ 1 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
269633	9/17/2013 - 9/24/2013	I-131	<4.46E-02	0.00E+00	4.46E-02
		Cs-134	<4.08E-02	0.00E+00	4.08E-02
		Cs-137	<3.73E-02	0.00E+00	3.73E-02
		Be-7	<3.45E-01	0.00E+00	3.45E-01
		K-40	<1.06E+00	0.00E+00	1.06E+00
270736	9/24/2013 - 10/1/2013	I-131	<4.89E-02	0.00E+00	4.89E-02
		Cs-134	<3.09E-02	0.00E+00	3.09E-02
		Cs-137	<3.65E-02	0.00E+00	3.65E-02
		Be-7	<2.67E-01	0.00E+00	2.67E-01
		K-40	<1.14E+00	0.00E+00	1.14E+00
271461	10/1/2013 - 10/8/2013	I-131	<4.17E-02	0.00E+00	4.17E-02
		Cs-134	<3.88E-02	0.00E+00	3.88E-02
		Cs-137	<3.11E-02	0.00E+00	3.11E-02
		Be-7	<2.16E-01	0.00E+00	2.16E-01
		K-40	7.11E-01	1.97E-01	4.14E-01
272068	10/8/2013 - 10/15/2013	I-131	<4.04E-02	0.00E+00	4.04E-02
		Cs-134	<2.99E-02	0.00E+00	2.99E-02
		Cs-137	<3.31E-02	0.00E+00	3.31E-02
		Be-7	<2.46E-01	0.00E+00	2.46E-01
		K-40	8.93E-01	2.23E-01	5.31E-01
272451	10/15/2013 - 10/22/2013	I-131	<4.14E-02	0.00E+00	4.14E-02
		Cs-134	<2.88E-02	0.00E+00	2.88E-02
		Cs-137	<3.76E-02	0.00E+00	3.76E-02
		Be-7	<2.38E-01	0.00E+00	2.38E-01
		K-40	7.06E-01	1.96E-01	5.94E-01
272851	10/22/2013 - 10/29/2013	I-131	<3.62E-02	0.00E+00	3.62E-02
		Cs-134	<3.43E-02	0.00E+00	3.43E-02
		Cs-137	<4.50E-02	0.00E+00	4.50E-02
		Be-7	<2.22E-01	0.00E+00	2.22E-01
		K-40	<1.24E+00	0.00E+00	1.24E+00
273942	10/29/2013 - 11/5/2013	I-131	<4.67E-02	0.00E+00	4.67E-02
		Cs-134	<2.20E-02	0.00E+00	2.20E-02
		Cs-137	<2.82E-02	0.00E+00	2.82E-02
		Be-7	<1.98E-01	0.00E+00	1.98E-01
		K-40	9.91E-01	2.34E-01	5.01E-01
274389	11/5/2013 - 11/12/2013	I-131	<4.62E-02	0.00E+00	4.62E-02
		Cs-134	<3.21E-02	0.00E+00	3.21E-02
		Cs-137	<4.17E-02	0.00E+00	4.17E-02
		Be-7	<2.48E-01	0.00E+00	2.48E-01
		K-40	9.06E-01	2.26E-01	4.27E-01
274903	11/12/2013 - 11/19/2013	I-131	<5.17E-02	0.00E+00	5.17E-02
		Cs-134	<2.60E-02	0.00E+00	2.60E-02
		Cs-137	<4.75E-02	0.00E+00	4.75E-02
		Be-7	<2.97E-01	0.00E+00	2.97E-01
		K-40	<1.26E+00	0.00E+00	1.26E+00
276457	11/19/2013 - 11/26/2013	I-131	<3.06E-02	0.00E+00	3.06E-02
		Cs-134	<1.91E-02	0.00E+00	1.91E-02
		Cs-137	<2.02E-02	0.00E+00	2.02E-02
		Be-7	<1.67E-01	0.00E+00	1.67E-01
		K-40	1.09E+00	1.68E-01	1.86E-01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 200 [INDICATOR - WSW @ 1 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
279519	11/26/2013 - 12/3/2013	I-131	<4.43E-02	0.00E+00	4.43E-02
		Cs-134	<1.98E-02	0.00E+00	1.98E-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	9.25E-01	2.31E-01	6.03E-01
278705	12/3/2013 - 12/10/2013	I-131	<4.95E-02	0.00E+00	4.95E-02
		Cs-134	<3.57E-02	0.00E+00	3.57E-02
		Cs-137	<4.41E-02	0.00E+00	4.41E-02
		Be-7	<2.60E-01	0.00E+00	2.60E-01
		K-40	8.24E-01	2.20E-01	6.51E-01
278978	12/10/2013 - 12/17/2013	I-131	<5.41E-02	0.00E+00	5.41E-02
		Cs-134	<3.34E-02	0.00E+00	3.34E-02
		Cs-137	<4.22E-02	0.00E+00	4.22E-02
		Be-7	<3.40E-01	0.00E+00	3.40E-01
		K-40	7.65E-01	2.12E-01	1.59E-01
279624	12/17/2013 - 12/24/2013	I-131	<4.47E-02	0.00E+00	4.47E-02
		Cs-134	<3.46E-02	0.00E+00	3.46E-02
		Cs-137	<4.19E-02	0.00E+00	4.19E-02
		Be-7	<3.17E-01	0.00E+00	3.17E-01
		K-40	8.12E-01	2.17E-01	1.57E-01
280102	12/24/2013 - 12/31/2013	I-131	<2.46E-02	0.00E+00	2.46E-02
		Cs-134	<1.88E-02	0.00E+00	1.88E-02
		Cs-137	<2.91E-02	0.00E+00	2.91E-02
		Be-7	<4.54E-02	0.00E+00	4.54E-02
		K-40	7.98E-01	1.88E-01	1.20E-01

Sample Point 201 [INDICATOR - NE @ 0.5 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
177493	1/7/2013 - 1/7/2013	I-131	<2.01E-02	0.00E+00	2.01E-02
177568	1/14/2013 - 1/14/2013	I-131	<1.89E-02	0.00E+00	1.89E-02
177606	1/21/2013 - 1/21/2013	I-131	<2.04E-02	0.00E+00	2.04E-02
177647	1/28/2013 - 1/28/2013	I-131	<2.71E-02	0.00E+00	2.71E-02
177681	2/4/2013 - 2/4/2013	I-131	<2.47E-02	0.00E+00	2.47E-02
177726	2/11/2013 - 2/11/2013	I-131	<2.39E-02	0.00E+00	2.39E-02
177764	2/18/2013 - 2/18/2013	I-131	<1.85E-02	0.00E+00	1.85E-02
177818	2/25/2013 - 2/25/2013	I-131	<2.04E-02	0.00E+00	2.04E-02
177871	3/4/2013 - 3/4/2013	I-131	<2.05E-02	0.00E+00	2.05E-02
177914	3/11/2013 - 3/11/2013	I-131	<2.29E-02	0.00E+00	2.29E-02
177956	3/18/2013 - 3/18/2013	I-131	<2.47E-02	0.00E+00	2.47E-02
178000	3/25/2013 - 3/25/2013	I-131	<2.31E-02	0.00E+00	2.31E-02

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 201 [INDICATOR - NE @ 0.5 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
178034	4/1/2013 - 4/1/2013	I-131	<2.20E-02	0.00E+00	2.20E-02
178087	4/8/2013 - 4/8/2013	I-131	<2.20E-02	0.00E+00	2.20E-02
178117	4/15/2013 - 4/15/2013	I-131	<2.28E-02	0.00E+00	2.28E-02
179018	4/22/2013 - 4/22/2013	I-131	<2.61E-02	0.00E+00	2.61E-02
179032	4/29/2013 - 4/29/2013	I-131	<2.38E-02	0.00E+00	2.38E-02
179046	5/6/2013 - 5/6/2013	I-131	<2.10E-02	0.00E+00	2.10E-02
179069	5/13/2013 - 5/13/2013	I-131	<2.27E-02	0.00E+00	2.27E-02
179084	5/20/2013 - 5/20/2013	I-131	<2.26E-02	0.00E+00	2.26E-02
258894	5/20/2013 - 5/27/2013	I-131	<5.49E-02	0.00E+00	5.49E-02
		Cs-134	<3.44E-02	0.00E+00	3.44E-02
		Cs-137	<4.44E-02	0.00E+00	4.44E-02
		Be-7	<3.76E-01	0.00E+00	3.76E-01
		K-40	6.34E-01	1.91E-01	6.04E-01
258901	5/27/2013 - 6/3/2013	I-131	<6.09E-02	0.00E+00	6.09E-02
		Cs-134	<4.41E-02	0.00E+00	4.41E-02
		Cs-137	<3.84E-02	0.00E+00	3.84E-02
		Be-7	<2.50E-01	0.00E+00	2.50E-01
		K-40	1.04E+00	2.46E-01	4.37E-01
259043	6/3/2013 - 6/10/2013	I-131	<6.62E-02	0.00E+00	6.62E-02
		Cs-134	<3.24E-02	0.00E+00	3.24E-02
		Cs-137	<4.02E-02	0.00E+00	4.02E-02
		Be-7	<2.00E-01	0.00E+00	2.00E-01
		K-40	6.34E-01	2.46E-01	4.16E-01
259591	6/10/2013 - 6/17/2013	I-131	<1.86E-02	0.00E+00	1.86E-02
		Cs-134	<1.51E-02	0.00E+00	1.51E-02
		Cs-137	<1.08E-02	0.00E+00	1.08E-02
		Be-7	<1.21E-01	0.00E+00	1.21E-01
		K-40	7.74E-01	1.46E-01	2.51E-01
260225	6/17/2013 - 6/24/2013	I-131	<2.30E-02	0.00E+00	2.30E-02
		Cs-134	<1.38E-02	0.00E+00	1.38E-02
		Cs-137	<2.47E-02	0.00E+00	2.47E-02
		Be-7	<1.65E-01	0.00E+00	1.65E-01
		K-40	5.10E-01	1.20E-01	2.42E-01
261859	6/24/2013 - 7/1/2013	I-131	<2.44E-02	0.00E+00	2.44E-02
		Cs-134	<1.82E-02	0.00E+00	1.82E-02
		Cs-137	<2.03E-02	0.00E+00	2.03E-02
		Be-7	<1.45E-01	0.00E+00	1.45E-01
		K-40	7.88E-01	1.76E-01	2.00E-01
260685	7/1/2013 - 7/8/2013	I-131	<3.15E-02	0.00E+00	3.15E-02
		Cs-134	<2.03E-02	0.00E+00	2.03E-02
		Cs-137	<2.17E-02	0.00E+00	2.17E-02
		Be-7	<1.39E-01	0.00E+00	1.39E-01
		K-40	1.12E+00	1.96E-01	2.96E-01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 201 [INDICATOR - NE @ 0.5 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
261648	7/8/2013 - 7/15/2013	I-131	<4.17E-02	0.00E+00	4.17E-02
		Cs-134	<3.58E-02	0.00E+00	3.58E-02
		Cs-137	<3.95E-02	0.00E+00	3.95E-02
		Be-7	<2.27E-01	0.00E+00	2.27E-01
		K-40	1.16E+00	2.58E-01	1.56E-01
262149	7/15/2013 - 7/22/2013	I-131	<2.18E-02	0.00E+00	2.18E-02
		Cs-134	<1.64E-02	0.00E+00	1.64E-02
		Cs-137	<2.13E-02	0.00E+00	2.13E-02
		Be-7	<1.55E-01	0.00E+00	1.55E-01
		K-40	5.93E-01	1.47E-01	2.26E-01
263155	7/22/2013 - 7/29/2013	I-131	<3.74E-02	0.00E+00	3.74E-02
		Cs-134	<3.33E-02	0.00E+00	3.33E-02
		Cs-137	<3.60E-02	0.00E+00	3.60E-02
		Be-7	<2.07E-01	0.00E+00	2.07E-01
		K-40	1.27E+00	2.70E-01	7.13E-01
263382	7/29/2013 - 8/5/2013	I-131	<4.44E-02	0.00E+00	4.44E-02
		Cs-134	<3.42E-02	0.00E+00	3.42E-02
		Cs-137	<4.64E-02	0.00E+00	4.64E-02
		Be-7	<2.66E-01	0.00E+00	2.66E-01
		K-40	<1.19E+00	0.00E+00	1.19E+00
264040	8/5/2013 - 8/12/2013	I-131	<5.55E-02	0.00E+00	5.55E-02
		Cs-134	<3.53E-02	0.00E+00	3.53E-02
		Cs-137	<4.16E-02	0.00E+00	4.16E-02
		Be-7	<3.54E-01	0.00E+00	3.54E-01
		K-40	<1.19E+00	0.00E+00	1.19E+00
265171	8/12/2013 - 8/19/2013	I-131	<2.14E-02	0.00E+00	2.14E-02
		Cs-134	<2.18E-02	0.00E+00	2.18E-02
		Cs-137	<3.08E-02	0.00E+00	3.08E-02
		Be-7	<1.54E-01	0.00E+00	1.54E-01
		K-40	3.59E-01	1.66E-01	3.05E-01
265480	8/19/2013 - 8/26/2013	I-131	<4.15E-02	0.00E+00	4.15E-02
		Cs-134	<3.97E-02	0.00E+00	3.97E-02
		Cs-137	<4.39E-02	0.00E+00	4.39E-02
		Be-7	<3.16E-01	0.00E+00	3.16E-01
		K-40	7.38E-01	2.13E-01	5.86E-01
267166	8/26/2013 - 9/3/2013	I-131	<5.07E-02	0.00E+00	5.07E-02
		Cs-134	<3.35E-02	0.00E+00	3.35E-02
		Cs-137	<4.73E-02	0.00E+00	4.73E-02
		Be-7	<1.62E-01	0.00E+00	1.62E-01
		K-40	<1.05E+00	0.00E+00	1.05E+00
267639	9/3/2013 - 9/10/2013	I-131	<5.68E-02	0.00E+00	5.68E-02
		Cs-134	<2.94E-02	0.00E+00	2.94E-02
		Cs-137	<5.34E-02	0.00E+00	5.34E-02
		Be-7	<3.36E-01	0.00E+00	3.36E-01
		K-40	8.16E-01	2.75E-01	6.34E-01
268472	9/10/2013 - 9/17/2013	I-131	<3.95E-02	0.00E+00	3.95E-02
		Cs-134	<3.47E-02	0.00E+00	3.47E-02
		Cs-137	<4.45E-02	0.00E+00	4.45E-02
		Be-7	<2.68E-01	0.00E+00	2.68E-01
		K-40	8.26E-01	2.13E-01	4.07E-01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 201 [INDICATOR - NE @ 0.5 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
269634	9/17/2013 - 9/24/2013	I-131	<5.32E-02	0.00E+00	5.32E-02
		Cs-134	<3.54E-02	0.00E+00	3.54E-02
		Cs-137	<4.98E-02	0.00E+00	4.98E-02
		Be-7	<2.72E-01	0.00E+00	2.72E-01
		K-40	<8.22E-01	0.00E+00	8.22E-01
270737	9/24/2013 - 10/1/2013	I-131	<3.23E-02	0.00E+00	3.23E-02
		Cs-134	<2.48E-02	0.00E+00	2.48E-02
		Cs-137	<3.40E-02	0.00E+00	3.40E-02
		Be-7	<3.15E-01	0.00E+00	3.15E-01
		K-40	<1.12E+00	0.00E+00	1.12E+00
271462	10/1/2013 - 10/8/2013	I-131	<4.78E-02	0.00E+00	4.78E-02
		Cs-134	<4.54E-02	0.00E+00	4.54E-02
		Cs-137	<4.26E-02	0.00E+00	4.26E-02
		Be-7	<2.54E-01	0.00E+00	2.54E-01
		K-40	<1.18E+00	0.00E+00	1.18E+00
272069	10/8/2013 - 10/15/2013	I-131	<6.38E-02	0.00E+00	6.38E-02
		Cs-134	<3.44E-02	0.00E+00	3.44E-02
		Cs-137	<2.98E-02	0.00E+00	2.98E-02
		Be-7	<3.00E-01	0.00E+00	3.00E-01
		K-40	<1.06E+00	0.00E+00	1.06E+00
272452	10/15/2013 - 10/22/2013	I-131	<5.02E-02	0.00E+00	5.02E-02
		Cs-134	<3.65E-02	0.00E+00	3.65E-02
		Cs-137	<3.39E-02	0.00E+00	3.39E-02
		Be-7	<1.53E-01	0.00E+00	1.53E-01
		K-40	7.44E-01	2.06E-01	6.25E-01
272852	10/22/2013 - 10/29/2013	I-131	<2.54E-02	0.00E+00	2.54E-02
		Cs-134	<1.95E-02	0.00E+00	1.95E-02
		Cs-137	<2.34E-02	0.00E+00	2.34E-02
		Be-7	<1.44E-01	0.00E+00	1.44E-01
		K-40	1.27E+00	2.28E-01	2.92E-01
273943	10/29/2013 - 11/5/2013	I-131	<5.75E-02	0.00E+00	5.75E-02
		Cs-134	<4.06E-02	0.00E+00	4.06E-02
		Cs-137	<3.44E-02	0.00E+00	3.44E-02
		Be-7	2.18E-01	1.28E-01	1.82E-01
		K-40	<1.33E+00	0.00E+00	1.33E+00
274390	11/5/2013 - 11/12/2013	I-131	<4.78E-02	0.00E+00	4.78E-02
		Cs-134	<2.97E-02	0.00E+00	2.97E-02
		Cs-137	<3.63E-02	0.00E+00	3.63E-02
		Be-7	<2.60E-01	0.00E+00	2.60E-01
		K-40	5.93E-01	2.78E-01	1.60E-01
274904	11/12/2013 - 11/19/2013	I-131	<4.14E-02	0.00E+00	4.14E-02
		Cs-134	<3.59E-02	0.00E+00	3.59E-02
		Cs-137	<3.24E-02	0.00E+00	3.24E-02
		Be-7	<3.34E-01	0.00E+00	3.34E-01
		K-40	6.59E-01	2.43E-01	1.59E-01
276458	11/19/2013 - 11/26/2013	I-131	<5.10E-02	0.00E+00	5.10E-02
		Cs-134	<3.29E-02	0.00E+00	3.29E-02
		Cs-137	<3.24E-02	0.00E+00	3.24E-02
		Be-7	<2.15E-01	0.00E+00	2.15E-01
		K-40	1.05E+00	2.20E-01	1.24E-01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 201 [INDICATOR - NE @ 0.5 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
279520	11/26/2013 - 12/3/2013	I-131	<4.48E-02	0.00E+00	4.48E-02
		Cs-134	<3.89E-02	0.00E+00	3.89E-02
		Cs-137	<2.77E-02	0.00E+00	2.77E-02
		Be-7	<2.37E-01	0.00E+00	2.37E-01
		K-40	9.21E-01	2.23E-01	4.88E-01
278706	12/3/2013 - 12/10/2013	I-131	<3.94E-02	0.00E+00	3.94E-02
		Cs-134	<3.57E-02	0.00E+00	3.57E-02
		Cs-137	<4.57E-02	0.00E+00	4.57E-02
		Be-7	<2.80E-01	0.00E+00	2.80E-01
		K-40	1.00E+00	2.43E-01	5.26E-01
278979	12/10/2013 - 12/17/2013	I-131	<4.14E-02	0.00E+00	4.14E-02
		Cs-134	<3.11E-02	0.00E+00	3.11E-02
		Cs-137	<2.82E-02	0.00E+00	2.82E-02
		Be-7	<2.42E-01	0.00E+00	2.42E-01
		K-40	1.12E+00	2.33E-01	4.47E-01
279625	12/17/2013 - 12/24/2013	I-131	<3.07E-02	0.00E+00	3.07E-02
		Cs-134	<2.55E-02	0.00E+00	2.55E-02
		Cs-137	<1.94E-02	0.00E+00	1.94E-02
		Be-7	<2.18E-01	0.00E+00	2.18E-01
		K-40	6.99E-01	1.80E-01	1.26E-01
280103	12/24/2013 - 12/31/2013	I-131	<4.39E-02	0.00E+00	4.39E-02
		Cs-134	<2.33E-02	0.00E+00	2.33E-02
		Cs-137	<3.30E-02	0.00E+00	3.30E-02
		Be-7	<2.78E-01	0.00E+00	2.78E-01
		K-40	<8.45E-01	0.00E+00	8.45E-01

Sample Point 202 [INDICATOR - S @ 1 miles]

Sample ID:	177494	Sample Dates:	1/7/2013 - 1/7/2013	Nuclide	I-131	Activity	<2.38E-02	Sigma Error ⁽¹⁾	0.00E+00	LLD	2.38E-02
Sample ID:	177569	Sample Dates:	1/14/2013 - 1/14/2013	Nuclide	I-131	Activity	<2.48E-02	Sigma Error ⁽¹⁾	0.00E+00	LLD	2.48E-02
Sample ID:	177607	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	I-131	Activity	<1.89E-02	Sigma Error ⁽¹⁾	0.00E+00	LLD	1.89E-02
Sample ID:	177648	Sample Dates:	1/28/2013 - 1/28/2013	Nuclide	I-131	Activity	<1.95E-02	Sigma Error ⁽¹⁾	0.00E+00	LLD	1.95E-02
Sample ID:	177682	Sample Dates:	2/4/2013 - 2/4/2013	Nuclide	I-131	Activity	<2.47E-02	Sigma Error ⁽¹⁾	0.00E+00	LLD	2.47E-02
Sample ID:	177727	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	I-131	Activity	<2.19E-02	Sigma Error ⁽¹⁾	0.00E+00	LLD	2.19E-02
Sample ID:	177765	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	I-131	Activity	<1.96E-02	Sigma Error ⁽¹⁾	0.00E+00	LLD	1.96E-02
Sample ID:	177819	Sample Dates:	2/25/2013 - 2/25/2013	Nuclide	I-131	Activity	<1.94E-02	Sigma Error ⁽¹⁾	0.00E+00	LLD	1.94E-02
Sample ID:	177872	Sample Dates:	3/4/2013 - 3/4/2013	Nuclide	I-131	Activity	<2.34E-02	Sigma Error ⁽¹⁾	0.00E+00	LLD	2.34E-02
Sample ID:	177915	Sample Dates:	3/11/2013 - 3/11/2013	Nuclide	I-131	Activity	<2.01E-02	Sigma Error ⁽¹⁾	0.00E+00	LLD	2.01E-02
Sample ID:	177957	Sample Dates:	3/18/2013 - 3/18/2013	Nuclide	I-131	Activity	<2.37E-02	Sigma Error ⁽¹⁾	0.00E+00	LLD	2.37E-02
Sample ID:	178001	Sample Dates:	3/25/2013 - 3/25/2013	Nuclide	I-131	Activity	<2.04E-02	Sigma Error ⁽¹⁾	0.00E+00	LLD	2.04E-02

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 202 [INDICATOR - S @ 1 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
178035	4/1/2013 - 4/1/2013	I-131	<2.48E-02	0.00E+00	2.48E-02
178088	4/8/2013 - 4/8/2013	I-131	<2.15E-02	0.00E+00	2.15E-02
178118	4/15/2013 - 4/15/2013	I-131	<1.84E-02	0.00E+00	1.84E-02
179019	4/22/2013 - 4/22/2013	I-131	<2.35E-02	0.00E+00	2.35E-02
179033	4/29/2013 - 4/29/2013	I-131	<1.91E-02	0.00E+00	1.91E-02
179047	5/6/2013 - 5/6/2013	I-131	<1.74E-02	0.00E+00	1.74E-02
179070	5/13/2013 - 5/13/2013	I-131	<1.89E-02	0.00E+00	1.89E-02
179085	5/20/2013 - 5/20/2013	I-131	<2.65E-02	0.00E+00	2.65E-02
258895	5/20/2013 - 5/27/2013	I-131	<6.24E-02	0.00E+00	6.24E-02
		Cs-134	<3.35E-02	0.00E+00	3.35E-02
		Cs-137	<3.70E-02	0.00E+00	3.70E-02
		Be-7	<2.88E-01	0.00E+00	2.88E-01
		K-40	9.40E-01	2.81E-01	4.03E-01
258902	5/27/2013 - 6/3/2013	I-131	<4.06E-02	0.00E+00	4.06E-02
		Cs-134	<3.22E-02	0.00E+00	3.22E-02
		Cs-137	<3.52E-02	0.00E+00	3.52E-02
		Be-7	<2.52E-01	0.00E+00	2.52E-01
		K-40	<9.91E-01	0.00E+00	9.91E-01
259044	6/3/2013 - 6/10/2013	I-131	<4.18E-02	0.00E+00	4.18E-02
		Cs-134	<3.20E-02	0.00E+00	3.20E-02
		Cs-137	<4.49E-02	0.00E+00	4.49E-02
		Be-7	<2.72E-01	0.00E+00	2.72E-01
		K-40	4.78E-01	2.61E-01	3.99E-01
259592	6/10/2013 - 6/17/2013	I-131	<1.72E-02	0.00E+00	1.72E-02
		Cs-134	<1.27E-02	0.00E+00	1.27E-02
		Cs-137	<2.43E-02	0.00E+00	2.43E-02
		Be-7	<2.06E-01	0.00E+00	2.06E-01
		K-40	<8.08E-01	0.00E+00	8.08E-01
260226	6/17/2013 - 6/24/2013	I-131	<3.00E-02	0.00E+00	3.00E-02
		Cs-134	<1.98E-02	0.00E+00	1.98E-02
		Cs-137	<2.65E-02	0.00E+00	2.65E-02
		Be-7	<1.36E-01	0.00E+00	1.36E-01
		K-40	9.56E-01	1.95E-01	3.42E-01
261860	6/24/2013 - 7/1/2013	I-131	<2.20E-02	0.00E+00	2.20E-02
		Cs-134	<1.88E-02	0.00E+00	1.88E-02
		Cs-137	<1.84E-02	0.00E+00	1.84E-02
		Be-7	<1.26E-01	0.00E+00	1.26E-01
		K-40	7.20E-01	1.51E-01	2.16E-01
260686	7/1/2013 - 7/8/2013	I-131	<2.30E-02	0.00E+00	2.30E-02
		Cs-134	<1.59E-02	0.00E+00	1.59E-02
		Cs-137	<2.65E-02	0.00E+00	2.65E-02
		Be-7	<1.67E-01	0.00E+00	1.67E-01
		K-40	1.08E+00	1.73E-01	2.97E-01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 202 [INDICATOR - S @ 1 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
261649	7/8/2013 - 7/15/2013	I-131	<4.01E-02	0.00E+00	4.01E-02
		Cs-134	<3.26E-02	0.00E+00	3.26E-02
		Cs-137	<2.24E-02	0.00E+00	2.24E-02
		Be-7	<2.77E-01	0.00E+00	2.77E-01
		K-40	7.74E-01	2.07E-01	4.15E-01
262150	7/15/2013 - 7/22/2013	I-131	<2.48E-02	0.00E+00	2.48E-02
		Cs-134	<4.75E-03	0.00E+00	4.75E-03
		Cs-137	<2.30E-02	0.00E+00	2.30E-02
		Be-7	<1.93E-01	0.00E+00	1.93E-01
		K-40	5.52E-01	1.48E-01	1.06E-01
263156	7/22/2013 - 7/29/2013	I-131	<2.26E-02	0.00E+00	2.26E-02
		Cs-134	<1.92E-02	0.00E+00	1.92E-02
		Cs-137	<2.13E-02	0.00E+00	2.13E-02
		Be-7	<1.06E-01	0.00E+00	1.06E-01
		K-40	6.92E-01	1.36E-01	1.90E-01
263383	7/29/2013 - 8/5/2013	I-131	<5.66E-02	0.00E+00	5.66E-02
		Cs-134	<4.47E-02	0.00E+00	4.47E-02
		Cs-137	<3.53E-02	0.00E+00	3.53E-02
		Be-7	<3.04E-01	0.00E+00	3.04E-01
		K-40	8.69E-01	2.71E-01	5.78E-01
264041	8/5/2013 - 8/12/2013	I-131	<5.00E-02	0.00E+00	5.00E-02
		Cs-134	<4.04E-02	0.00E+00	4.04E-02
		Cs-137	<4.19E-02	0.00E+00	4.19E-02
		Be-7	<2.62E-01	0.00E+00	2.62E-01
		K-40	9.03E-01	2.83E-01	6.27E-01
265172	8/12/2013 - 8/19/2013	I-131	<2.68E-02	0.00E+00	2.68E-02
		Cs-134	<2.00E-02	0.00E+00	2.00E-02
		Cs-137	<2.14E-02	0.00E+00	2.14E-02
		Be-7	<1.66E-01	0.00E+00	1.66E-01
		K-40	8.49E-01	1.63E-01	2.21E-01
265481	8/19/2013 - 8/26/2013	I-131	<4.92E-02	0.00E+00	4.92E-02
		Cs-134	<3.74E-02	0.00E+00	3.74E-02
		Cs-137	<3.48E-02	0.00E+00	3.48E-02
		Be-7	<2.69E-01	0.00E+00	2.69E-01
		K-40	<1.28E+00	0.00E+00	1.28E+00
267167	8/26/2013 - 9/3/2013	I-131	<5.29E-02	0.00E+00	5.29E-02
		Cs-134	<2.72E-02	0.00E+00	2.72E-02
		Cs-137	<3.50E-02	0.00E+00	3.50E-02
		Be-7	<2.89E-01	0.00E+00	2.89E-01
		K-40	1.02E+00	2.57E-01	3.66E-01
267640	9/3/2013 - 9/10/2013	I-131	<4.19E-02	0.00E+00	4.19E-02
		Cs-134	<3.97E-02	0.00E+00	3.97E-02
		Cs-137	<4.06E-02	0.00E+00	4.06E-02
		Be-7	<3.01E-01	0.00E+00	3.01E-01
		K-40	<1.32E+00	0.00E+00	1.32E+00
268473	9/10/2013 - 9/17/2013	I-131	<3.23E-02	0.00E+00	3.23E-02
		Cs-134	<2.98E-02	0.00E+00	2.98E-02
		Cs-137	<4.16E-02	0.00E+00	4.16E-02
		Be-7	<2.75E-01	0.00E+00	2.75E-01
		K-40	9.65E-01	2.28E-01	5.00E-01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 202 [INDICATOR - S @ 1 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
269635	9/17/2013 - 9/24/2013	I-131	<5.53E-02	0.00E+00	5.53E-02
		Cs-134	<3.30E-02	0.00E+00	3.30E-02
		Cs-137	<4.06E-02	0.00E+00	4.06E-02
		Be-7	<2.27E-01	0.00E+00	2.27E-01
		K-40	8.04E-01	2.15E-01	5.21E-01
270738	9/24/2013 - 10/1/2013	I-131	<3.33E-02	0.00E+00	3.33E-02
		Cs-134	<3.42E-02	0.00E+00	3.42E-02
		Cs-137	<3.32E-02	0.00E+00	3.32E-02
		Be-7	<3.02E-01	0.00E+00	3.02E-01
		K-40	1.01E+00	2.38E-01	5.36E-01
271463	10/1/2013 - 10/8/2013	I-131	<4.56E-02	0.00E+00	4.56E-02
		Cs-134	<4.38E-02	0.00E+00	4.38E-02
		Cs-137	<4.23E-02	0.00E+00	4.23E-02
		Be-7	<3.14E-01	0.00E+00	3.14E-01
		K-40	7.31E-01	2.49E-01	5.33E-01
272070	10/8/2013 - 10/15/2013	I-131	<4.35E-02	0.00E+00	4.35E-02
		Cs-134	<3.18E-02	0.00E+00	3.18E-02
		Cs-137	<5.58E-02	0.00E+00	5.58E-02
		Be-7	<2.23E-01	0.00E+00	2.23E-01
		K-40	6.18E-01	2.49E-01	5.06E-01
272453	10/15/2013 - 10/22/2013	I-131	<2.31E-02	0.00E+00	2.31E-02
		Cs-134	<1.70E-02	0.00E+00	1.70E-02
		Cs-137	<1.62E-02	0.00E+00	1.62E-02
		Be-7	<1.18E-01	0.00E+00	1.18E-01
		K-40	<6.00E-01	0.00E+00	6.00E-01
272853	10/22/2013 - 10/29/2013	I-131	<3.00E-02	0.00E+00	3.00E-02
		Cs-134	<2.24E-02	0.00E+00	2.24E-02
		Cs-137	<1.94E-02	0.00E+00	1.94E-02
		Be-7	<1.28E-01	0.00E+00	1.28E-01
		K-40	6.10E-01	2.23E-01	4.28E-01
273944	10/29/2013 - 11/5/2013	I-131	<2.37E-02	0.00E+00	2.37E-02
		Cs-134	<3.05E-02	0.00E+00	3.05E-02
		Cs-137	<4.06E-02	0.00E+00	4.06E-02
		Be-7	<3.25E-01	0.00E+00	3.25E-01
		K-40	<1.16E+00	0.00E+00	1.16E+00
274391	11/5/2013 - 11/12/2013	I-131	<4.86E-02	0.00E+00	4.86E-02
		Cs-134	<2.13E-02	0.00E+00	2.13E-02
		Cs-137	<3.45E-02	0.00E+00	3.45E-02
		Be-7	<2.52E-01	0.00E+00	2.52E-01
		K-40	<9.13E-01	0.00E+00	9.13E-01
274905	11/12/2013 - 11/19/2013	I-131	<5.03E-02	0.00E+00	5.03E-02
		Cs-134	<3.59E-02	0.00E+00	3.59E-02
		Cs-137	<2.30E-02	0.00E+00	2.30E-02
		Be-7	<2.46E-01	0.00E+00	2.46E-01
		K-40	3.12E-01	2.21E-01	1.54E-01
276459	11/19/2013 - 11/26/2013	I-131	<4.35E-02	0.00E+00	4.35E-02
		Cs-134	<2.13E-02	0.00E+00	2.13E-02
		Cs-137	<2.68E-02	0.00E+00	2.68E-02
		Be-7	<1.95E-01	0.00E+00	1.95E-01
		K-40	7.70E-01	1.92E-01	1.30E-01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 202 [INDICATOR - S @ 1 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
279521	11/26/2013 - 12/3/2013	I-131	<4.33E-02	0.00E+00	4.33E-02
		Cs-134	<3.16E-02	0.00E+00	3.16E-02
		Cs-137	<4.31E-02	0.00E+00	4.31E-02
		Be-7	<2.18E-01	0.00E+00	2.18E-01
		K-40	8.58E-01	2.22E-01	5.16E-01
278707	12/3/2013 - 12/10/2013	I-131	<4.57E-02	0.00E+00	4.57E-02
		Cs-134	<3.56E-02	0.00E+00	3.56E-02
		Cs-137	<3.45E-02	0.00E+00	3.45E-02
		Be-7	<3.66E-01	0.00E+00	3.66E-01
		K-40	8.68E-01	3.02E-01	4.38E-01
278980	12/10/2013 - 12/17/2013	I-131	<3.99E-02	0.00E+00	3.99E-02
		Cs-134	<1.83E-02	0.00E+00	1.83E-02
		Cs-137	<2.53E-02	0.00E+00	2.53E-02
		Be-7	<2.66E-01	0.00E+00	2.66E-01
		K-40	<8.61E-01	0.00E+00	8.61E-01
279626	12/17/2013 - 12/24/2013	I-131	<2.60E-02	0.00E+00	2.60E-02
		Cs-134	<1.88E-02	0.00E+00	1.88E-02
		Cs-137	<1.83E-02	0.00E+00	1.83E-02
		Be-7	<1.70E-01	0.00E+00	1.70E-01
		K-40	8.99E-01	1.64E-01	2.06E-01
280104	12/24/2013 - 12/31/2013	I-131	<3.92E-02	0.00E+00	3.92E-02
		Cs-134	<2.32E-02	0.00E+00	2.32E-02
		Cs-137	<3.41E-02	0.00E+00	3.41E-02
		Be-7	<2.71E-01	0.00E+00	2.71E-01
		K-40	7.51E-01	2.31E-01	5.07E-01

Sample Point 203 [INDICATOR - SSW @ 2 miles]

Sample ID:	177495	Sample Dates:	1/7/2013 - 1/7/2013	Nuclide	I-131	Activity	<1.96E-02	Sigma Error ⁽¹⁾	0.00E+00	LLD	1.96E-02
Sample ID:	177570	Sample Dates:	1/14/2013 - 1/14/2013	Nuclide	I-131	Activity	<1.70E-02	Sigma Error ⁽¹⁾	0.00E+00	LLD	1.70E-02
Sample ID:	177608	Sample Dates:	1/21/2013 - 1/21/2013	Nuclide	I-131	Activity	<1.95E-02	Sigma Error ⁽¹⁾	0.00E+00	LLD	1.95E-02
Sample ID:	177649	Sample Dates:	1/28/2013 - 1/28/2013	Nuclide	I-131	Activity	<2.09E-02	Sigma Error ⁽¹⁾	0.00E+00	LLD	2.09E-02
Sample ID:	177683	Sample Dates:	2/4/2013 - 2/4/2013	Nuclide	I-131	Activity	<1.95E-02	Sigma Error ⁽¹⁾	0.00E+00	LLD	1.95E-02
Sample ID:	177728	Sample Dates:	2/11/2013 - 2/11/2013	Nuclide	I-131	Activity	<1.79E-02	Sigma Error ⁽¹⁾	0.00E+00	LLD	1.79E-02
Sample ID:	177766	Sample Dates:	2/18/2013 - 2/18/2013	Nuclide	I-131	Activity	<1.84E-02	Sigma Error ⁽¹⁾	0.00E+00	LLD	1.84E-02
Sample ID:	177820	Sample Dates:	2/25/2013 - 2/25/2013	Nuclide	I-131	Activity	<2.23E-02	Sigma Error ⁽¹⁾	0.00E+00	LLD	2.23E-02
Sample ID:	177873	Sample Dates:	3/4/2013 - 3/4/2013	Nuclide	I-131	Activity	<1.92E-02	Sigma Error ⁽¹⁾	0.00E+00	LLD	1.92E-02
Sample ID:	177916	Sample Dates:	3/11/2013 - 3/11/2013	Nuclide	I-131	Activity	<2.44E-02	Sigma Error ⁽¹⁾	0.00E+00	LLD	2.44E-02
Sample ID:	177958	Sample Dates:	3/18/2013 - 3/18/2013	Nuclide	I-131	Activity	<2.09E-02	Sigma Error ⁽¹⁾	0.00E+00	LLD	2.09E-02
Sample ID:	178002	Sample Dates:	3/25/2013 - 3/25/2013	Nuclide	I-131	Activity	<2.68E-02	Sigma Error ⁽¹⁾	0.00E+00	LLD	2.68E-02

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 203 [INDICATOR - SSW @ 2 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
178036	4/1/2013 - 4/1/2013	I-131	<2.38E-02	0.00E+00	2.38E-02
178089	4/8/2013 - 4/8/2013	I-131	<2.40E-02	0.00E+00	2.40E-02
178119	4/15/2013 - 4/15/2013	I-131	<1.75E-02	0.00E+00	1.75E-02
179020	4/22/2013 - 4/22/2013	I-131	<2.60E-02	0.00E+00	2.60E-02
179034	4/29/2013 - 4/29/2013	I-131	<2.25E-02	0.00E+00	2.25E-02
179048	5/6/2013 - 5/6/2013	I-131	<2.14E-02	0.00E+00	2.14E-02
179071	5/13/2013 - 5/13/2013	I-131	<1.70E-02	0.00E+00	1.70E-02
179086	5/20/2013 - 5/20/2013	I-131	<1.98E-02	0.00E+00	1.98E-02
258896	5/20/2013 - 5/27/2013	I-131	<6.21E-02	0.00E+00	6.21E-02
		Cs-134	<4.51E-02	0.00E+00	4.51E-02
		Cs-137	<2.51E-02	0.00E+00	2.51E-02
		Be-7	<3.31E-01	0.00E+00	3.31E-01
		K-40	4.96E-01	1.75E-01	4.46E-01
258903	5/27/2013 - 6/3/2013	I-131	<3.71E-02	0.00E+00	3.71E-02
		Cs-134	<3.15E-02	0.00E+00	3.15E-02
		Cs-137	<4.13E-02	0.00E+00	4.13E-02
		Be-7	<2.65E-01	0.00E+00	2.65E-01
		K-40	6.76E-01	2.59E-01	4.76E-01
259045	6/3/2013 - 6/10/2013	I-131	<3.48E-02	0.00E+00	3.48E-02
		Cs-134	<2.66E-02	0.00E+00	2.66E-02
		Cs-137	<2.95E-02	0.00E+00	2.95E-02
		Be-7	<1.89E-01	0.00E+00	1.89E-01
		K-40	9.19E-01	2.05E-01	1.24E-01
259593	6/10/2013 - 6/17/2013	I-131	<4.30E-02	0.00E+00	4.30E-02
		Cs-134	<2.77E-02	0.00E+00	2.77E-02
		Cs-137	<2.86E-02	0.00E+00	2.86E-02
		Be-7	<2.98E-01	0.00E+00	2.98E-01
		K-40	<1.14E+00	0.00E+00	1.14E+00
260227	6/17/2013 - 6/24/2013	I-131	<3.63E-02	0.00E+00	3.63E-02
		Cs-134	<3.15E-02	0.00E+00	3.15E-02
		Cs-137	<3.64E-02	0.00E+00	3.64E-02
		Be-7	<2.62E-01	0.00E+00	2.62E-01
		K-40	6.99E-01	2.47E-01	4.13E-01
261861	6/24/2013 - 7/1/2013	I-131	<2.88E-02	0.00E+00	2.88E-02
		Cs-134	<1.84E-02	0.00E+00	1.84E-02
		Cs-137	<2.27E-02	0.00E+00	2.27E-02
		Be-7	<1.41E-01	0.00E+00	1.41E-01
		K-40	1.19E+00	1.95E-01	1.93E-01
260687	7/1/2013 - 7/8/2013	I-131	<2.78E-02	0.00E+00	2.78E-02
		Cs-134	<1.74E-02	0.00E+00	1.74E-02
		Cs-137	<2.27E-02	0.00E+00	2.27E-02
		Be-7	<1.30E-01	0.00E+00	1.30E-01
		K-40	1.18E+00	1.75E-01	2.98E-01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 203 [INDICATOR - SSW @ 2 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
261650	7/8/2013 - 7/15/2013	I-131	<4.14E-02	0.00E+00	4.14E-02
		Cs-134	<2.90E-02	0.00E+00	2.90E-02
		Cs-137	<4.64E-02	0.00E+00	4.64E-02
		Be-7	<2.03E-01	0.00E+00	2.03E-01
		K-40	1.09E+00	2.43E-01	1.47E-01
262151	7/15/2013 - 7/22/2013	I-131	<2.64E-02	0.00E+00	2.64E-02
		Cs-134	<1.86E-02	0.00E+00	1.86E-02
		Cs-137	<1.84E-02	0.00E+00	1.84E-02
		Be-7	<1.54E-01	0.00E+00	1.54E-01
		K-40	9.30E-01	1.63E-01	3.01E-01
263157	7/22/2013 - 7/29/2013	I-131	<4.96E-02	0.00E+00	4.96E-02
		Cs-134	<3.55E-02	0.00E+00	3.55E-02
		Cs-137	<2.19E-02	0.00E+00	2.19E-02
		Be-7	<3.74E-01	0.00E+00	3.74E-01
		K-40	<1.03E+00	0.00E+00	1.03E+00
263384	7/29/2013 - 8/5/2013	I-131	<5.60E-02	0.00E+00	5.60E-02
		Cs-134	<4.07E-02	0.00E+00	4.07E-02
		Cs-137	<5.09E-02	0.00E+00	5.09E-02
		Be-7	<3.06E-01	0.00E+00	3.06E-01
		K-40	7.58E-01	2.03E-01	4.91E-01
264042	8/5/2013 - 8/12/2013	I-131	<4.19E-02	0.00E+00	4.19E-02
		Cs-134	<3.88E-02	0.00E+00	3.88E-02
		Cs-137	<5.06E-02	0.00E+00	5.06E-02
		Be-7	<1.63E-01	0.00E+00	1.63E-01
		K-40	1.08E+00	2.41E-01	5.11E-01
265173	8/12/2013 - 8/19/2013	I-131	<2.31E-02	0.00E+00	2.31E-02
		Cs-134	<2.76E-02	0.00E+00	2.76E-02
		Cs-137	<4.30E-02	0.00E+00	4.30E-02
		Be-7	<2.33E-01	0.00E+00	2.33E-01
		K-40	<7.70E-01	0.00E+00	7.70E-01
265482	8/19/2013 - 8/26/2013	I-131	<4.00E-02	0.00E+00	4.00E-02
		Cs-134	<2.71E-02	0.00E+00	2.71E-02
		Cs-137	<3.89E-02	0.00E+00	3.89E-02
		Be-7	<2.67E-01	0.00E+00	2.67E-01
		K-40	8.64E-01	2.16E-01	5.15E-01
267168	8/26/2013 - 9/3/2013	I-131	<3.98E-02	0.00E+00	3.98E-02
		Cs-134	<2.39E-02	0.00E+00	2.39E-02
		Cs-137	<3.04E-02	0.00E+00	3.04E-02
		Be-7	<2.68E-01	0.00E+00	2.68E-01
		K-40	1.19E+00	2.38E-01	1.29E-01
267641	9/3/2013 - 9/10/2013	I-131	<2.99E-02	0.00E+00	2.99E-02
		Cs-134	<2.70E-02	0.00E+00	2.70E-02
		Cs-137	<4.18E-02	0.00E+00	4.18E-02
		Be-7	<2.89E-01	0.00E+00	2.89E-01
		K-40	9.14E-01	2.22E-01	7.86E-01
268474	9/10/2013 - 9/17/2013	I-131	<3.23E-02	0.00E+00	3.23E-02
		Cs-134	<2.62E-02	0.00E+00	2.62E-02
		Cs-137	<3.18E-02	0.00E+00	3.18E-02
		Be-7	<3.20E-01	0.00E+00	3.20E-01
		K-40	<1.12E+00	0.00E+00	1.12E+00

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 203 [INDICATOR - SSW @ 2 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
269636	9/17/2013 - 9/24/2013	I-131	<4.99E-02	0.00E+00	4.99E-02
		Cs-134	<3.59E-02	0.00E+00	3.59E-02
		Cs-137	<4.57E-02	0.00E+00	4.57E-02
		Be-7	<2.77E-01	0.00E+00	2.77E-01
		K-40	8.99E-01	2.25E-01	4.05E-01
270739	9/24/2013 - 10/1/2013	I-131	<4.06E-02	0.00E+00	4.06E-02
		Cs-134	<3.77E-02	0.00E+00	3.77E-02
		Cs-137	<4.64E-02	0.00E+00	4.64E-02
		Be-7	<2.91E-01	0.00E+00	2.91E-01
		K-40	<1.03E+00	0.00E+00	1.03E+00
271464	10/1/2013 - 10/8/2013	I-131	<4.70E-02	0.00E+00	4.70E-02
		Cs-134	<3.31E-02	0.00E+00	3.31E-02
		Cs-137	<4.52E-02	0.00E+00	4.52E-02
		Be-7	<2.84E-01	0.00E+00	2.84E-01
		K-40	<1.13E+00	0.00E+00	1.13E+00
272071	10/8/2013 - 10/15/2013	I-131	<4.84E-02	0.00E+00	4.84E-02
		Cs-134	<3.64E-02	0.00E+00	3.64E-02
		Cs-137	<4.12E-02	0.00E+00	4.12E-02
		Be-7	<3.16E-01	0.00E+00	3.16E-01
		K-40	8.87E-01	2.22E-01	5.27E-01
272454	10/15/2013 - 10/22/2013	I-131	<2.79E-02	0.00E+00	2.79E-02
		Cs-134	<1.81E-02	0.00E+00	1.81E-02
		Cs-137	<2.58E-02	0.00E+00	2.58E-02
		Be-7	<1.75E-01	0.00E+00	1.75E-01
		K-40	<9.20E-01	0.00E+00	9.20E-01
272854	10/22/2013 - 10/29/2013	I-131	<2.51E-02	0.00E+00	2.51E-02
		Cs-134	<2.21E-02	0.00E+00	2.21E-02
		Cs-137	<1.46E-02	0.00E+00	1.46E-02
		Be-7	<1.94E-01	0.00E+00	1.94E-01
		K-40	<8.72E-01	0.00E+00	8.72E-01
273945	10/29/2013 - 11/5/2013	I-131	<4.15E-02	0.00E+00	4.15E-02
		Cs-134	<3.50E-02	0.00E+00	3.50E-02
		Cs-137	<3.63E-02	0.00E+00	3.63E-02
		Be-7	1.76E-01	6.87E-02	3.00E-01
		K-40	<1.07E+00	0.00E+00	1.07E+00
274392	11/5/2013 - 11/12/2013	I-131	<5.44E-02	0.00E+00	5.44E-02
		Cs-134	<3.62E-02	0.00E+00	3.62E-02
		Cs-137	<4.06E-02	0.00E+00	4.06E-02
		Be-7	<2.49E-01	0.00E+00	2.49E-01
		K-40	<1.19E+00	0.00E+00	1.19E+00
274906	11/12/2013 - 11/19/2013	I-131	<4.07E-02	0.00E+00	4.07E-02
		Cs-134	<4.07E-02	0.00E+00	4.07E-02
		Cs-137	<3.51E-02	0.00E+00	3.51E-02
		Be-7	<2.99E-01	0.00E+00	2.99E-01
		K-40	<9.23E-01	0.00E+00	9.23E-01
276460	11/19/2013 - 11/26/2013	I-131	<3.77E-02	0.00E+00	3.77E-02
		Cs-134	<2.09E-02	0.00E+00	2.09E-02
		Cs-137	<2.04E-02	0.00E+00	2.04E-02
		Be-7	<1.59E-01	0.00E+00	1.59E-01
		K-40	8.73E-01	1.95E-01	3.58E-01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 203 [INDICATOR - SSW @ 2 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
279522	11/26/2013 - 12/3/2013	I-131	<4.10E-02	0.00E+00	4.10E-02
		Cs-134	<2.53E-02	0.00E+00	2.53E-02
		Cs-137	<2.37E-02	0.00E+00	2.37E-02
		Be-7	<2.29E-01	0.00E+00	2.29E-01
		K-40	4.03E-01	2.62E-01	7.49E-01
278708	12/3/2013 - 12/10/2013	I-131	<5.26E-02	0.00E+00	5.26E-02
		Cs-134	<4.00E-02	0.00E+00	4.00E-02
		Cs-137	<4.44E-02	0.00E+00	4.44E-02
		Be-7	<3.95E-01	0.00E+00	3.95E-01
		K-40	9.70E-01	2.98E-01	1.60E-01
278981	12/10/2013 - 12/17/2013	I-131	<3.08E-02	0.00E+00	3.08E-02
		Cs-134	<1.35E-02	0.00E+00	1.35E-02
		Cs-137	<2.44E-02	0.00E+00	2.44E-02
		Be-7	<1.73E-01	0.00E+00	1.73E-01
		K-40	7.73E-01	1.77E-01	3.05E-01
279627	12/17/2013 - 12/24/2013	I-131	<2.22E-02	0.00E+00	2.22E-02
		Cs-134	<1.62E-02	0.00E+00	1.62E-02
		Cs-137	<1.99E-02	0.00E+00	1.99E-02
		Be-7	<1.39E-01	0.00E+00	1.39E-01
		K-40	6.01E-01	1.55E-01	2.97E-01
280105	12/24/2013 - 12/31/2013	I-131	<3.12E-02	0.00E+00	3.12E-02
		Cs-134	<1.75E-02	0.00E+00	1.75E-02
		Cs-137	<2.36E-02	0.00E+00	2.36E-02
		Be-7	<1.48E-01	0.00E+00	1.48E-01
		K-40	1.05E+00	1.83E-01	2.27E-01

Sample Point 204 [CONTROL - NNE @ 22.4 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
177496	1/7/2013 - 1/7/2013	I-131	<1.88E-02	0.00E+00	1.88E-02
177571	1/14/2013 - 1/14/2013	I-131	<2.22E-02	0.00E+00	2.22E-02
		I-131	<2.22E-02	0.00E+00	2.22E-02
177609	1/21/2013 - 1/21/2013	I-131	<1.82E-02	0.00E+00	1.82E-02
		I-131	<1.82E-02	0.00E+00	1.82E-02
177650	1/28/2013 - 1/28/2013	I-131	<1.80E-02	0.00E+00	1.80E-02
		I-131	<1.80E-02	0.00E+00	1.80E-02
177684	2/4/2013 - 2/4/2013	I-131	<2.30E-02	0.00E+00	2.30E-02
		I-131	<2.30E-02	0.00E+00	2.30E-02
177729	2/11/2013 - 2/11/2013	I-131	<2.42E-02	0.00E+00	2.42E-02
		I-131	<2.42E-02	0.00E+00	2.42E-02
177767	2/18/2013 - 2/18/2013	I-131	<1.81E-02	0.00E+00	1.81E-02
		I-131	<1.81E-02	0.00E+00	1.81E-02
177821	2/25/2013 - 2/25/2013	I-131	<2.11E-02	0.00E+00	2.11E-02
		I-131	<2.11E-02	0.00E+00	2.11E-02
177874	3/4/2013 - 3/4/2013	I-131	<2.34E-02	0.00E+00	2.34E-02
		I-131	<2.34E-02	0.00E+00	2.34E-02
177917	3/11/2013 - 3/11/2013	I-131	<1.74E-02	0.00E+00	1.74E-02
		I-131	<1.74E-02	0.00E+00	1.74E-02
177959	3/18/2013 - 3/18/2013	I-131	<2.57E-02	0.00E+00	2.57E-02
		I-131	<2.57E-02	0.00E+00	2.57E-02
178003	3/25/2013 - 3/25/2013	I-131	<1.98E-02	0.00E+00	1.98E-02
		I-131	<1.98E-02	0.00E+00	1.98E-02

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 204 [CONTROL - NNE @ 22.4 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
178037	4/1/2013 - 4/1/2013	I-131	<1.98E-02	0.00E+00	1.98E-02
178090	4/8/2013 - 4/8/2013	I-131	<2.05E-02	0.00E+00	2.05E-02
178120	4/15/2013 - 4/15/2013	I-131	<2.39E-02	0.00E+00	2.39E-02
179021	4/22/2013 - 4/22/2013	I-131	<2.29E-02	0.00E+00	2.29E-02
179036	4/29/2013 - 4/29/2013	I-131	<1.71E-02	0.00E+00	1.71E-02
179049	5/6/2013 - 5/6/2013	I-131	<2.25E-02	0.00E+00	2.25E-02
179072	5/13/2013 - 5/13/2013	I-131	<1.80E-02	0.00E+00	1.80E-02
179087	5/20/2013 - 5/20/2013	I-131	<1.86E-02	0.00E+00	1.86E-02
258897	5/20/2013 - 5/27/2013	I-131	<6.53E-02	0.00E+00	6.53E-02
		Cs-134	<4.57E-02	0.00E+00	4.57E-02
		Cs-137	<3.79E-02	0.00E+00	3.79E-02
		Be-7	<3.33E-01	0.00E+00	3.33E-01
		K-40	6.27E-01	2.37E-01	1.55E-01
258904	5/27/2013 - 6/3/2013	I-131	<4.66E-02	0.00E+00	4.66E-02
		Cs-134	<3.54E-02	0.00E+00	3.54E-02
		Cs-137	<4.34E-02	0.00E+00	4.34E-02
		Be-7	<2.52E-01	0.00E+00	2.52E-01
		K-40	<1.03E+00	0.00E+00	1.03E+00
259046	6/3/2013 - 6/10/2013	I-131	<2.46E-02	0.00E+00	2.46E-02
		Cs-134	<1.58E-02	0.00E+00	1.58E-02
		Cs-137	<2.05E-02	0.00E+00	2.05E-02
		Be-7	<1.38E-01	0.00E+00	1.38E-01
		K-40	6.90E-01	1.12E-01	2.07E-01
259594	6/10/2013 - 6/17/2013	I-131	<5.20E-02	0.00E+00	5.20E-02
		Cs-134	<2.46E-02	0.00E+00	2.46E-02
		Cs-137	<4.75E-02	0.00E+00	4.75E-02
		Be-7	<2.98E-01	0.00E+00	2.98E-01
		K-40	<1.34E+00	0.00E+00	1.34E+00
260228	6/17/2013 - 6/24/2013	I-131	<3.50E-02	0.00E+00	3.50E-02
		Cs-134	<3.11E-02	0.00E+00	3.11E-02
		Cs-137	<3.07E-02	0.00E+00	3.07E-02
		Be-7	<1.74E-01	0.00E+00	1.74E-01
		K-40	4.84E-01	1.53E-01	5.03E-01
261862	6/24/2013 - 7/1/2013	I-131	<2.16E-02	0.00E+00	2.16E-02
		Cs-134	<1.39E-02	0.00E+00	1.39E-02
		Cs-137	<2.66E-02	0.00E+00	2.66E-02
		Be-7	<1.92E-01	0.00E+00	1.92E-01
		K-40	<6.91E-01	0.00E+00	6.91E-01
260688	7/1/2013 - 7/8/2013	I-131	<5.36E-02	0.00E+00	5.36E-02
		Cs-134	<3.72E-02	0.00E+00	3.72E-02
		Cs-137	<4.69E-02	0.00E+00	4.69E-02
		Be-7	<3.68E-01	0.00E+00	3.68E-01
		K-40	<9.42E-01	0.00E+00	9.42E-01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 204 [CONTROL - NNE @ 22.4 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
261651	7/8/2013 - 7/15/2013	I-131	<5.62E-02	0.00E+00	5.62E-02
		Cs-134	<4.00E-02	0.00E+00	4.00E-02
		Cs-137	<3.39E-02	0.00E+00	3.39E-02
		Be-7	<2.82E-01	0.00E+00	2.82E-01
		K-40	<1.09E+00	0.00E+00	1.09E+00
262152	7/15/2013 - 7/22/2013	I-131	<1.61E-02	0.00E+00	1.61E-02
		Cs-134	<1.50E-02	0.00E+00	1.50E-02
		Cs-137	<2.50E-02	0.00E+00	2.50E-02
		Be-7	<1.11E-01	0.00E+00	1.11E-01
		K-40	6.06E-01	1.29E-01	7.44E-02
263158	7/22/2013 - 7/29/2013	I-131	<1.96E-02	0.00E+00	1.96E-02
		Cs-134	<2.22E-02	0.00E+00	2.22E-02
		Cs-137	<2.57E-02	0.00E+00	2.57E-02
		Be-7	<1.64E-01	0.00E+00	1.64E-01
		K-40	6.50E-01	1.63E-01	1.10E-01
263385	7/29/2013 - 8/5/2013	I-131	<6.00E-02	0.00E+00	6.00E-02
		Cs-134	<4.12E-02	0.00E+00	4.12E-02
		Cs-137	<2.90E-02	0.00E+00	2.90E-02
		Be-7	<4.05E-01	0.00E+00	4.05E-01
		K-40	8.52E-01	2.20E-01	5.15E-01
264043	8/5/2013 - 8/12/2013	I-131	<5.57E-02	0.00E+00	5.57E-02
		Cs-134	<3.85E-02	0.00E+00	3.85E-02
		Cs-137	<3.66E-02	0.00E+00	3.66E-02
		Be-7	<2.57E-01	0.00E+00	2.57E-01
		K-40	6.82E-01	1.97E-01	1.54E-01
265174	8/12/2013 - 8/19/2013	I-131	<4.26E-02	0.00E+00	4.26E-02
		Cs-134	<3.08E-02	0.00E+00	3.08E-02
		Cs-137	<2.31E-02	0.00E+00	2.31E-02
		Be-7	<2.88E-01	0.00E+00	2.88E-01
		K-40	1.20E+00	2.61E-01	7.10E-01
265483	8/19/2013 - 8/26/2013	I-131	<4.76E-02	0.00E+00	4.76E-02
		Cs-134	<3.19E-02	0.00E+00	3.19E-02
		Cs-137	<4.07E-02	0.00E+00	4.07E-02
		Be-7	<2.11E-01	0.00E+00	2.11E-01
		K-40	1.15E+00	3.22E-01	5.09E-01
267169	8/26/2013 - 9/3/2013	I-131	<5.71E-02	0.00E+00	5.71E-02
		Cs-134	<3.25E-02	0.00E+00	3.25E-02
		Cs-137	<2.88E-02	0.00E+00	2.88E-02
		Be-7	<2.48E-01	0.00E+00	2.48E-01
		K-40	8.69E-01	2.62E-01	4.76E-01
267642	9/3/2013 - 9/10/2013	I-131	<4.67E-02	0.00E+00	4.67E-02
		Cs-134	<4.24E-02	0.00E+00	4.24E-02
		Cs-137	<3.74E-02	0.00E+00	3.74E-02
		Be-7	<2.79E-01	0.00E+00	2.79E-01
		K-40	<1.12E+00	0.00E+00	1.12E+00
268475	9/10/2013 - 9/17/2013	I-131	<4.47E-02	0.00E+00	4.47E-02
		Cs-134	<1.95E-02	0.00E+00	1.95E-02
		Cs-137	<4.42E-02	0.00E+00	4.42E-02
		Be-7	<2.84E-01	0.00E+00	2.84E-01
		K-40	7.91E-01	2.62E-01	4.21E-01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 204 [CONTROL - NNE @ 22.4 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
269637	9/17/2013 - 9/24/2013	I-131	<5.95E-02	0.00E+00	5.95E-02
		Cs-134	<4.03E-02	0.00E+00	4.03E-02
		Cs-137	<4.91E-02	0.00E+00	4.91E-02
		Be-7	<2.63E-01	0.00E+00	2.63E-01
		K-40	9.86E-01	3.02E-01	6.05E-01
270740	9/24/2013 - 10/1/2013	I-131	<4.47E-02	0.00E+00	4.47E-02
		Cs-134	<3.46E-02	0.00E+00	3.46E-02
		Cs-137	<4.56E-02	0.00E+00	4.56E-02
		Be-7	<3.18E-01	0.00E+00	3.18E-01
		K-40	8.55E-01	2.21E-01	5.46E-01
271465	10/1/2013 - 10/8/2013	I-131	<5.07E-02	0.00E+00	5.07E-02
		Cs-134	<1.71E-02	0.00E+00	1.71E-02
		Cs-137	<4.47E-02	0.00E+00	4.47E-02
		Be-7	<2.73E-01	0.00E+00	2.73E-01
		K-40	9.22E-01	2.30E-01	1.56E-01
272072	10/8/2013 - 10/15/2013	I-131	<4.93E-02	0.00E+00	4.93E-02
		Cs-134	<2.50E-02	0.00E+00	2.50E-02
		Cs-137	<3.42E-02	0.00E+00	3.42E-02
		Be-7	<2.54E-01	0.00E+00	2.54E-01
		K-40	1.16E+00	2.58E-01	4.34E-01
272455	10/15/2013 - 10/22/2013	I-131	<2.36E-02	0.00E+00	2.36E-02
		Cs-134	<2.10E-02	0.00E+00	2.10E-02
		Cs-137	<2.11E-02	0.00E+00	2.11E-02
		Be-7	<1.88E-01	0.00E+00	1.88E-01
		K-40	1.18E+00	1.76E-01	2.52E-01
272855	10/22/2013 - 10/29/2013	I-131	<3.93E-02	0.00E+00	3.93E-02
		Cs-134	<3.27E-02	0.00E+00	3.27E-02
		Cs-137	<4.72E-02	0.00E+00	4.72E-02
		Be-7	<3.06E-01	0.00E+00	3.06E-01
		K-40	9.93E-01	2.41E-01	5.58E-01
273946	10/29/2013 - 11/5/2013	I-131	<4.14E-02	0.00E+00	4.14E-02
		Cs-134	<3.73E-02	0.00E+00	3.73E-02
		Cs-137	<4.41E-02	0.00E+00	4.41E-02
		Be-7	<2.71E-01	0.00E+00	2.71E-01
		K-40	9.66E-01	2.34E-01	7.29E-01
274393	11/5/2013 - 11/12/2013	I-131	<4.74E-02	0.00E+00	4.74E-02
		Cs-134	<3.93E-02	0.00E+00	3.93E-02
		Cs-137	<4.68E-02	0.00E+00	4.68E-02
		Be-7	<3.25E-01	0.00E+00	3.25E-01
		K-40	9.09E-01	3.00E-01	6.57E-01
274907	11/12/2013 - 11/19/2013	I-131	<4.61E-02	0.00E+00	4.61E-02
		Cs-134	<3.26E-02	0.00E+00	3.26E-02
		Cs-137	<2.66E-02	0.00E+00	2.66E-02
		Be-7	<3.32E-01	0.00E+00	3.32E-01
		K-40	1.04E+00	3.27E-01	7.90E-01
276461	11/19/2013 - 11/26/2013	I-131	<2.99E-02	0.00E+00	2.99E-02
		Cs-134	<2.08E-02	0.00E+00	2.08E-02
		Cs-137	<2.33E-02	0.00E+00	2.33E-02
		Be-7	<1.62E-01	0.00E+00	1.62E-01
		K-40	5.73E-01	1.85E-01	4.44E-01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 204 [CONTROL - NNE @ 22.4 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
279523	11/26/2013 - 12/3/2013	I-131	<4.49E-02	0.00E+00	4.49E-02
		Cs-134	<3.26E-02	0.00E+00	3.26E-02
		Cs-137	<5.39E-02	0.00E+00	5.39E-02
		Be-7	<4.02E-01	0.00E+00	4.02E-01
		K-40	8.24E-01	2.20E-01	1.59E-01
278709	12/3/2013 - 12/10/2013	I-131	<5.45E-02	0.00E+00	5.45E-02
		Cs-134	<3.03E-02	0.00E+00	3.03E-02
		Cs-137	<3.58E-02	0.00E+00	3.58E-02
		Be-7	<3.34E-01	0.00E+00	3.34E-01
		K-40	<1.09E+00	0.00E+00	1.09E+00
278982	12/10/2013 - 12/17/2013	I-131	<2.62E-02	0.00E+00	2.62E-02
		Cs-134	<1.68E-02	0.00E+00	1.68E-02
		Cs-137	<2.13E-02	0.00E+00	2.13E-02
		Be-7	<1.35E-01	0.00E+00	1.35E-01
		K-40	1.36E+00	1.83E-01	2.24E-01
279628	12/17/2013 - 12/24/2013	I-131	<3.69E-02	0.00E+00	3.69E-02
		Cs-134	<5.47E-03	0.00E+00	5.47E-03
		Cs-137	<2.77E-02	0.00E+00	2.77E-02
		Be-7	<1.72E-01	0.00E+00	1.72E-01
		K-40	5.32E-01	1.54E-01	3.87E-01
280106	12/24/2013 - 12/31/2013	I-131	<2.80E-02	0.00E+00	2.80E-02
		Cs-134	<2.19E-02	0.00E+00	2.19E-02
		Cs-137	<2.28E-02	0.00E+00	2.28E-02
		Be-7	<2.38E-01	0.00E+00	2.38E-01
		K-40	1.01E+00	2.01E-01	1.09E-01

Sample Point 205 [INDICATOR - SSE @ 0.6 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
177497	1/7/2013 - 1/7/2013	I-131	<1.59E-02	0.00E+00	1.59E-02
177572	1/14/2013 - 1/14/2013	I-131	<2.16E-02	0.00E+00	2.16E-02
177610	1/21/2013 - 1/21/2013	I-131	<2.16E-02	0.00E+00	2.16E-02
177651	1/28/2013 - 1/28/2013	I-131	<2.52E-02	0.00E+00	2.52E-02
177685	2/4/2013 - 2/4/2013	I-131	<2.02E-02	0.00E+00	2.02E-02
177730	2/11/2013 - 2/11/2013	I-131	<2.07E-02	0.00E+00	2.07E-02
177768	2/18/2013 - 2/18/2013	I-131	<1.94E-02	0.00E+00	1.94E-02
177822	2/25/2013 - 2/25/2013	I-131	<1.80E-02	0.00E+00	1.80E-02
177875	3/4/2013 - 3/4/2013	I-131	<1.98E-02	0.00E+00	1.98E-02
177918	3/11/2013 - 3/11/2013	I-131	<2.24E-02	0.00E+00	2.24E-02
177960	3/18/2013 - 3/18/2013	I-131	<2.02E-02	0.00E+00	2.02E-02
178004	3/25/2013 - 3/25/2013	I-131	<2.82E-02	0.00E+00	2.82E-02

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 205 [INDICATOR - SSE @ 0.6 miles]

Sample ID	Sample Dates	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
178038	4/1/2013 - 4/1/2013	I-131	<2.16E-02	0.00E+00	2.16E-02
178091	4/8/2013 - 4/8/2013	I-131	<2.12E-02	0.00E+00	2.12E-02
178121	4/15/2013 - 4/15/2013	I-131	<2.08E-02	0.00E+00	2.08E-02
179022	4/22/2013 - 4/22/2013	I-131	<2.30E-02	0.00E+00	2.30E-02
179036	4/29/2013 - 4/29/2013	I-131	<2.30E-02	0.00E+00	2.30E-02
179050	5/6/2013 - 5/6/2013	I-131	<2.35E-02	0.00E+00	2.35E-02
179073	5/13/2013 - 5/13/2013	I-131	<2.60E-02	0.00E+00	2.60E-02
179088	5/20/2013 - 5/20/2013	I-131	<2.02E-02	0.00E+00	2.02E-02
258898	5/20/2013 - 5/27/2013	I-131	<3.10E-02	0.00E+00	3.10E-02
		Cs-134	<1.92E-02	0.00E+00	1.92E-02
		Cs-137	<9.98E-03	0.00E+00	9.98E-03
		Be-7	<1.47E-01	0.00E+00	1.47E-01
		K-40	9.75E-01	2.17E-01	2.65E-01
258905	5/27/2013 - 6/3/2013	I-131	<5.31E-02	0.00E+00	5.31E-02
		Cs-134	<3.16E-02	0.00E+00	3.16E-02
		Cs-137	<3.73E-02	0.00E+00	3.73E-02
		Be-7	<2.33E-01	0.00E+00	2.33E-01
		K-40	9.59E-01	2.33E-01	5.38E-01
259047	6/3/2013 - 6/10/2013	I-131	<2.76E-02	0.00E+00	2.76E-02
		Cs-134	<1.47E-02	0.00E+00	1.47E-02
		Cs-137	<2.77E-02	0.00E+00	2.77E-02
		Be-7	<1.86E-01	0.00E+00	1.86E-01
		K-40	6.93E-01	1.39E-01	2.03E-01
259595	6/10/2013 - 6/17/2013	I-131	<4.02E-02	0.00E+00	4.02E-02
		Cs-134	<3.42E-02	0.00E+00	3.42E-02
		Cs-137	<4.63E-02	0.00E+00	4.63E-02
		Be-7	<1.54E-01	0.00E+00	1.54E-01
		K-40	7.84E-01	2.10E-01	1.51E-01
260229	6/17/2013 - 6/24/2013	I-131	<2.40E-02	0.00E+00	2.40E-02
		Cs-134	<1.38E-02	0.00E+00	1.38E-02
		Cs-137	<1.64E-02	0.00E+00	1.64E-02
		Be-7	<1.69E-01	0.00E+00	1.69E-01
		K-40	8.30E-01	1.44E-01	1.81E-01
261863	6/24/2013 - 7/1/2013	I-131	<2.40E-02	0.00E+00	2.40E-02
		Cs-134	<2.61E-02	0.00E+00	2.61E-02
		Cs-137	<2.17E-02	0.00E+00	2.17E-02
		Be-7	<1.63E-01	0.00E+00	1.63E-01
		K-40	1.17E+00	1.76E-01	7.18E-02
260689	7/1/2013 - 7/8/2013	I-131	<2.96E-02	0.00E+00	2.96E-02
		Cs-134	<1.72E-02	0.00E+00	1.72E-02
		Cs-137	<2.90E-02	0.00E+00	2.90E-02
		Be-7	<2.20E-01	0.00E+00	2.20E-01
		K-40	<7.60E-01	0.00E+00	7.60E-01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 205 [INDICATOR - SSE @ 0.6 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
261652	7/8/2013 - 7/15/2013	I-131	<5.87E-02	0.00E+00	5.87E-02
		Cs-134	<3.21E-02	0.00E+00	3.21E-02
		Cs-137	<4.95E-02	0.00E+00	4.95E-02
		Be-7	<3.14E-01	0.00E+00	3.14E-01
		K-40	<1.19E+00	0.00E+00	1.19E+00
262153	7/15/2013 - 7/22/2013	I-131	<2.27E-02	0.00E+00	2.27E-02
		Cs-134	<2.58E-02	0.00E+00	2.58E-02
		Cs-137	<2.80E-02	0.00E+00	2.80E-02
		Be-7	<2.26E-01	0.00E+00	2.26E-01
		K-40	6.48E-01	1.67E-01	1.17E-01
263159	7/22/2013 - 7/29/2013	I-131	<2.07E-02	0.00E+00	2.07E-02
		Cs-134	<1.82E-02	0.00E+00	1.82E-02
		Cs-137	<1.93E-02	0.00E+00	1.93E-02
		Be-7	<1.33E-01	0.00E+00	1.33E-01
		K-40	9.36E-01	1.60E-01	7.44E-02
263386	7/29/2013 - 8/5/2013	I-131	<4.78E-02	0.00E+00	4.78E-02
		Cs-134	<3.19E-02	0.00E+00	3.19E-02
		Cs-137	<3.32E-02	0.00E+00	3.32E-02
		Be-7	<3.49E-01	0.00E+00	3.49E-01
		K-40	<1.03E+00	0.00E+00	1.03E+00
264044	8/5/2013 - 8/12/2013	I-131	<5.30E-02	0.00E+00	5.30E-02
		Cs-134	<3.62E-02	0.00E+00	3.62E-02
		Cs-137	<2.82E-02	0.00E+00	2.82E-02
		Be-7	<3.09E-01	0.00E+00	3.09E-01
		K-40	5.85E-01	2.94E-01	6.75E-01
265175	8/12/2013 - 8/19/2013	I-131	<5.03E-02	0.00E+00	5.03E-02
		Cs-134	<7.49E-03	0.00E+00	7.49E-03
		Cs-137	<3.04E-02	0.00E+00	3.04E-02
		Be-7	<2.60E-01	0.00E+00	2.60E-01
		K-40	1.01E+00	2.45E-01	4.51E-01
265484	8/19/2013 - 8/26/2013	I-131	<4.34E-02	0.00E+00	4.34E-02
		Cs-134	<4.19E-02	0.00E+00	4.19E-02
		Cs-137	<4.74E-02	0.00E+00	4.74E-02
		Be-7	<1.93E-01	0.00E+00	1.93E-01
		K-40	<1.09E+00	0.00E+00	1.09E+00
267170	8/26/2013 - 9/3/2013	I-131	<4.94E-02	0.00E+00	4.94E-02
		Cs-134	<2.16E-02	0.00E+00	2.16E-02
		Cs-137	<4.09E-02	0.00E+00	4.09E-02
		Be-7	<3.34E-01	0.00E+00	3.34E-01
		K-40	7.36E-01	2.53E-01	4.47E-01
267643	9/3/2013 - 9/10/2013	I-131	<3.94E-02	0.00E+00	3.94E-02
		Cs-134	<2.93E-02	0.00E+00	2.93E-02
		Cs-137	<3.46E-02	0.00E+00	3.46E-02
		Be-7	<2.57E-01	0.00E+00	2.57E-01
		K-40	<1.21E+00	0.00E+00	1.21E+00
268476	9/10/2013 - 9/17/2013	I-131	<5.30E-02	0.00E+00	5.30E-02
		Cs-134	<3.76E-02	0.00E+00	3.76E-02
		Cs-137	<2.83E-02	0.00E+00	2.83E-02
		Be-7	<3.12E-01	0.00E+00	3.12E-01
		K-40	8.32E-01	2.15E-01	4.10E-01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 205 [INDICATOR - SSE @ 0.6 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
269638	9/17/2013 - 9/24/2013	I-131	<5.31E-02	0.00E+00	5.31E-02
		Cs-134	<2.97E-02	0.00E+00	2.97E-02
		Cs-137	<3.51E-02	0.00E+00	3.51E-02
		Be-7	<3.33E-01	0.00E+00	3.33E-01
		K-40	1.01E+00	2.44E-01	8.14E-01
270741	9/24/2013 - 10/1/2013	I-131	<3.63E-02	0.00E+00	3.63E-02
		Cs-134	<4.25E-02	0.00E+00	4.25E-02
		Cs-137	<5.05E-02	0.00E+00	5.05E-02
		Be-7	<3.34E-01	0.00E+00	3.34E-01
		K-40	5.20E-01	1.73E-01	1.56E-01
271466	10/1/2013 - 10/8/2013	I-131	<4.40E-02	0.00E+00	4.40E-02
		Cs-134	<3.61E-02	0.00E+00	3.61E-02
		Cs-137	<3.28E-02	0.00E+00	3.28E-02
		Be-7	<1.17E-01	0.00E+00	1.17E-01
		K-40	<1.04E+00	0.00E+00	1.04E+00
272073	10/8/2013 - 10/15/2013	I-131	<4.31E-02	0.00E+00	4.31E-02
		Cs-134	<3.65E-02	0.00E+00	3.65E-02
		Cs-137	<3.30E-02	0.00E+00	3.30E-02
		Be-7	<2.74E-01	0.00E+00	2.74E-01
		K-40	1.11E+00	2.56E-01	5.58E-01
272456	10/15/2013 - 10/22/2013	I-131	<4.83E-02	0.00E+00	4.83E-02
		Cs-134	<3.18E-02	0.00E+00	3.18E-02
		Cs-137	<3.78E-02	0.00E+00	3.78E-02
		Be-7	<2.80E-01	0.00E+00	2.80E-01
		K-40	<1.08E+00	0.00E+00	1.08E+00
272856	10/22/2013 - 10/29/2013	I-131	<2.64E-02	0.00E+00	2.64E-02
		Cs-134	<2.45E-02	0.00E+00	2.45E-02
		Cs-137	<2.41E-02	0.00E+00	2.41E-02
		Be-7	<1.60E-01	0.00E+00	1.60E-01
		K-40	9.45E-01	1.91E-01	2.91E-01
273947	10/29/2013 - 11/5/2013	I-131	<5.02E-02	0.00E+00	5.02E-02
		Cs-134	<2.67E-02	0.00E+00	2.67E-02
		Cs-137	<4.51E-02	0.00E+00	4.51E-02
		Be-7	<3.15E-01	0.00E+00	3.15E-01
		K-40	<1.29E+00	0.00E+00	1.29E+00
274394	11/5/2013 - 11/12/2013	I-131	<3.25E-02	0.00E+00	3.25E-02
		Cs-134	<3.07E-02	0.00E+00	3.07E-02
		Cs-137	<3.78E-02	0.00E+00	3.78E-02
		Be-7	<2.36E-01	0.00E+00	2.36E-01
		K-40	<9.87E-01	0.00E+00	9.87E-01
274908	11/12/2013 - 11/19/2013	I-131	<3.93E-02	0.00E+00	3.93E-02
		Cs-134	<3.67E-02	0.00E+00	3.67E-02
		Cs-137	<4.26E-02	0.00E+00	4.26E-02
		Be-7	<3.24E-01	0.00E+00	3.24E-01
		K-40	1.05E+00	2.48E-01	8.91E-01
276462	11/19/2013 - 11/26/2013	I-131	<4.00E-02	0.00E+00	4.00E-02
		Cs-134	<3.12E-02	0.00E+00	3.12E-02
		Cs-137	<2.47E-02	0.00E+00	2.47E-02
		Be-7	<1.71E-01	0.00E+00	1.71E-01
		K-40	<6.63E-01	0.00E+00	6.63E-01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 205 [INDICATOR - SSE @ 0.6 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
279524	11/26/2013 - 12/3/2013	I-131	<4.12E-02	0.00E+00	4.12E-02
		Cs-134	<2.93E-02	0.00E+00	2.93E-02
		Cs-137	<4.43E-02	0.00E+00	4.43E-02
		Be-7	<3.49E-01	0.00E+00	3.49E-01
		K-40	6.97E-01	1.93E-01	3.84E-01
278710	12/3/2013 - 12/10/2013	I-131	<5.23E-02	0.00E+00	5.23E-02
		Cs-134	<3.01E-02	0.00E+00	3.01E-02
		Cs-137	<3.63E-02	0.00E+00	3.63E-02
		Be-7	<2.81E-01	0.00E+00	2.81E-01
		K-40	8.78E-01	2.20E-01	1.48E-01
278983	12/10/2013 - 12/17/2013	I-131	<4.18E-02	0.00E+00	4.18E-02
		Cs-134	<2.41E-02	0.00E+00	2.41E-02
		Cs-137	<2.86E-02	0.00E+00	2.86E-02
		Be-7	<1.89E-01	0.00E+00	1.89E-01
		K-40	7.87E-01	1.97E-01	1.33E-01
279629	12/17/2013 - 12/24/2013	I-131	<3.79E-02	0.00E+00	3.79E-02
		Cs-134	<2.62E-02	0.00E+00	2.62E-02
		Cs-137	<3.36E-02	0.00E+00	3.36E-02
		Be-7	<2.30E-01	0.00E+00	2.30E-01
		K-40	1.28E+00	2.50E-01	3.78E-01
280107	12/24/2013 - 12/31/2013	I-131	<3.47E-02	0.00E+00	3.47E-02
		Cs-134	<1.94E-02	0.00E+00	1.94E-02
		Cs-137	<2.29E-02	0.00E+00	2.29E-02
		Be-7	<1.54E-01	0.00E+00	1.54E-01
		K-40	7.70E-01	1.77E-01	3.77E-01

Sample Point 206 [CONTROL - NW @ 11.3 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
177498	1/7/2013 - 1/7/2013	I-131	<2.06E-02	0.00E+00	2.06E-02
177573	1/14/2013 - 1/14/2013	I-131	<2.01E-02	0.00E+00	2.01E-02
177611	1/21/2013 - 1/21/2013	I-131	<2.18E-02	0.00E+00	2.18E-02
177652	1/28/2013 - 1/28/2013	I-131	<2.11E-02	0.00E+00	2.11E-02
177686	2/4/2013 - 2/4/2013	I-131	<2.57E-02	0.00E+00	2.57E-02
177731	2/11/2013 - 2/11/2013	I-131	<2.20E-02	0.00E+00	2.20E-02
177769	2/18/2013 - 2/18/2013	I-131	<1.90E-02	0.00E+00	1.90E-02
177823	2/25/2013 - 2/25/2013	I-131	<1.62E-02	0.00E+00	1.62E-02
177876	3/4/2013 - 3/4/2013	I-131	<2.30E-02	0.00E+00	2.30E-02
177919	3/11/2013 - 3/11/2013	I-131	<2.24E-02	0.00E+00	2.24E-02
177961	3/18/2013 - 3/18/2013	I-131	<2.47E-02	0.00E+00	2.47E-02
178005	3/25/2013 - 3/25/2013	I-131	<2.28E-02	0.00E+00	2.28E-02

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 206 [CONTROL - NW @ 11.3 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
178039	4/1/2013 - 4/1/2013	I-131	<2.59E-02	0.00E+00	2.59E-02
178092	4/8/2013 - 4/8/2013	I-131	<2.12E-02	0.00E+00	2.12E-02
178122	4/15/2013 - 4/15/2013	I-131	<2.14E-02	0.00E+00	2.14E-02
179023	4/22/2013 - 4/22/2013	I-131	<2.45E-02	0.00E+00	2.45E-02
179037	4/29/2013 - 4/29/2013	I-131	<2.28E-02	0.00E+00	2.28E-02
179051	5/6/2013 - 5/6/2013	I-131	<2.07E-02	0.00E+00	2.07E-02
179074	5/13/2013 - 5/13/2013	I-131	<1.97E-02	0.00E+00	1.97E-02
179089	5/20/2013 - 5/20/2013	I-131	<2.47E-02	0.00E+00	2.47E-02
258899	5/20/2013 - 5/27/2013	I-131	<4.23E-02	0.00E+00	4.23E-02
		Cs-134	<1.80E-02	0.00E+00	1.80E-02
		Cs-137	<2.93E-02	0.00E+00	2.93E-02
		Be-7	<2.00E-01	0.00E+00	2.00E-01
		K-40	<7.01E-01	0.00E+00	7.01E-01
258906	5/27/2013 - 6/3/2013	I-131	<5.01E-02	0.00E+00	5.01E-02
		Cs-134	<2.71E-02	0.00E+00	2.71E-02
		Cs-137	<3.81E-02	0.00E+00	3.81E-02
		Be-7	<3.00E-01	0.00E+00	3.00E-01
		K-40	1.09E+00	3.13E-01	4.34E-01
259048	6/3/2013 - 6/10/2013	I-131	<2.15E-02	0.00E+00	2.15E-02
		Cs-134	<1.53E-02	0.00E+00	1.53E-02
		Cs-137	<2.46E-02	0.00E+00	2.46E-02
		Be-7	<1.47E-01	0.00E+00	1.47E-01
		K-40	7.28E-01	1.43E-01	2.05E-01
259596	6/10/2013 - 6/17/2013	I-131	<3.90E-02	0.00E+00	3.90E-02
		Cs-134	<4.69E-02	0.00E+00	4.69E-02
		Cs-137	<4.49E-02	0.00E+00	4.49E-02
		Be-7	<2.28E-01	0.00E+00	2.28E-01
		K-40	1.16E+00	2.58E-01	1.56E-01
260230	6/17/2013 - 6/24/2013	I-131	<2.65E-02	0.00E+00	2.65E-02
		Cs-134	<1.98E-02	0.00E+00	1.98E-02
		Cs-137	<2.03E-02	0.00E+00	2.03E-02
		Be-7	<2.20E-01	0.00E+00	2.20E-01
		K-40	<9.28E-01	0.00E+00	9.28E-01
261864	6/24/2013 - 7/1/2013	I-131	<2.51E-02	0.00E+00	2.51E-02
		Cs-134	<1.80E-02	0.00E+00	1.80E-02
		Cs-137	<1.80E-02	0.00E+00	1.80E-02
		Be-7	<1.11E-01	0.00E+00	1.11E-01
		K-40	7.87E-01	1.49E-01	7.60E-02
260690	7/1/2013 - 7/8/2013	I-131	<2.53E-02	0.00E+00	2.53E-02
		Cs-134	<1.14E-02	0.00E+00	1.14E-02
		Cs-137	<2.57E-02	0.00E+00	2.57E-02
		Be-7	<1.53E-01	0.00E+00	1.53E-01
		K-40	6.08E-01	1.67E-01	1.99E-01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 206 [CONTROL - NW @ 11.3 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
261653	7/8/2013 - 7/15/2013	I-131	<4.83E-02	0.00E+00	4.83E-02
		Cs-134	<1.68E-02	0.00E+00	1.68E-02
		Cs-137	<4.93E-02	0.00E+00	4.93E-02
		Be-7	<2.57E-01	0.00E+00	2.57E-01
		K-40	<1.36E+00	0.00E+00	1.36E+00
262154	7/15/2013 - 7/22/2013	I-131	<1.06E-02	0.00E+00	1.06E-02
		Cs-134	<9.28E-03	0.00E+00	9.28E-03
		Cs-137	<8.19E-03	0.00E+00	8.19E-03
		Be-7	<6.77E-02	0.00E+00	6.77E-02
		K-40	6.44E-01	8.17E-02	1.12E-01
263160	7/22/2013 - 7/29/2013	I-131	<3.06E-02	0.00E+00	3.06E-02
		Cs-134	<2.28E-02	0.00E+00	2.28E-02
		Cs-137	<3.02E-02	0.00E+00	3.02E-02
		Be-7	<1.66E-01	0.00E+00	1.66E-01
		K-40	<8.18E-01	0.00E+00	8.18E-01
263387	7/29/2013 - 8/5/2013	I-131	<5.84E-02	0.00E+00	5.84E-02
		Cs-134	<3.16E-02	0.00E+00	3.16E-02
		Cs-137	<5.02E-02	0.00E+00	5.02E-02
		Be-7	<1.76E-01	0.00E+00	1.76E-01
		K-40	7.46E-01	2.83E-01	5.00E-01
264045	8/5/2013 - 8/12/2013	I-131	<6.42E-02	0.00E+00	6.42E-02
		Cs-134	<2.94E-02	0.00E+00	2.94E-02
		Cs-137	<4.96E-02	0.00E+00	4.96E-02
		Be-7	<2.28E-01	0.00E+00	2.28E-01
		K-40	1.23E+00	2.68E-01	4.37E-01
265176	8/12/2013 - 8/19/2013	I-131	<3.55E-02	0.00E+00	3.55E-02
		Cs-134	<2.70E-02	0.00E+00	2.70E-02
		Cs-137	<3.19E-02	0.00E+00	3.19E-02
		Be-7	<2.49E-01	0.00E+00	2.49E-01
		K-40	<9.89E-01	0.00E+00	9.89E-01
265485	8/19/2013 - 8/26/2013	I-131	<5.04E-02	0.00E+00	5.04E-02
		Cs-134	<4.47E-02	0.00E+00	4.47E-02
		Cs-137	<4.49E-02	0.00E+00	4.49E-02
		Be-7	<3.18E-01	0.00E+00	3.18E-01
		K-40	9.93E-01	2.41E-01	4.40E-01
267171	8/26/2013 - 9/3/2013	I-131	<4.56E-02	0.00E+00	4.56E-02
		Cs-134	<1.75E-02	0.00E+00	1.75E-02
		Cs-137	<4.82E-02	0.00E+00	4.82E-02
		Be-7	<2.79E-01	0.00E+00	2.79E-01
		K-40	9.71E-01	2.23E-01	1.38E-01
267644	9/3/2013 - 9/10/2013	I-131	<4.01E-02	0.00E+00	4.01E-02
		Cs-134	<3.82E-02	0.00E+00	3.82E-02
		Cs-137	<4.62E-02	0.00E+00	4.62E-02
		Be-7	<2.09E-01	0.00E+00	2.09E-01
		K-40	<1.24E+00	0.00E+00	1.24E+00
268477	9/10/2013 - 9/17/2013	I-131	<5.12E-02	0.00E+00	5.12E-02
		Cs-134	<3.28E-02	0.00E+00	3.28E-02
		Cs-137	<3.31E-02	0.00E+00	3.31E-02
		Be-7	<2.30E-01	0.00E+00	2.30E-01
		K-40	1.11E+00	2.56E-01	4.33E-01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 206 [CONTROL - NW @ 11.3 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
269639	9/17/2013 - 9/24/2013	I-131	<5.24E-02	0.00E+00	5.24E-02
		Cs-134	<3.14E-02	0.00E+00	3.14E-02
		Cs-137	<5.74E-02	0.00E+00	5.74E-02
		Be-7	<2.70E-01	0.00E+00	2.70E-01
		K-40	1.16E+00	2.43E-01	1.37E-01
270742	9/24/2013 - 10/1/2013	I-131	<4.09E-02	0.00E+00	4.09E-02
		Cs-134	<3.55E-02	0.00E+00	3.55E-02
		Cs-137	<2.69E-02	0.00E+00	2.69E-02
		Be-7	<2.44E-01	0.00E+00	2.44E-01
		K-40	<1.34E+00	0.00E+00	1.34E+00
271467	10/1/2013 - 10/8/2013	I-131	<5.68E-02	0.00E+00	5.68E-02
		Cs-134	<3.90E-02	0.00E+00	3.90E-02
		Cs-137	<4.76E-02	0.00E+00	4.76E-02
		Be-7	<3.16E-01	0.00E+00	3.16E-01
		K-40	<1.16E+00	0.00E+00	1.16E+00
272074	10/8/2013 - 10/15/2013	I-131	<4.34E-02	0.00E+00	4.34E-02
		Cs-134	<3.93E-02	0.00E+00	3.93E-02
		Cs-137	<3.59E-02	0.00E+00	3.59E-02
		Be-7	<3.31E-01	0.00E+00	3.31E-01
		K-40	7.68E-01	2.13E-01	6.52E-01
272457	10/15/2013 - 10/22/2013	I-131	<6.32E-02	0.00E+00	6.32E-02
		Cs-134	<3.30E-02	0.00E+00	3.30E-02
		Cs-137	<3.63E-02	0.00E+00	3.63E-02
		Be-7	<3.82E-01	0.00E+00	3.82E-01
		K-40	1.24E+00	2.71E-01	1.60E-01
272857	10/22/2013 - 10/29/2013	I-131	<2.85E-02	0.00E+00	2.85E-02
		Cs-134	<1.91E-02	0.00E+00	1.91E-02
		Cs-137	<1.79E-02	0.00E+00	1.79E-02
		Be-7	<2.36E-01	0.00E+00	2.36E-01
		K-40	<7.46E-01	0.00E+00	7.46E-01
273948	10/29/2013 - 11/5/2013	I-131	<4.49E-02	0.00E+00	4.49E-02
		Cs-134	<1.70E-02	0.00E+00	1.70E-02
		Cs-137	<2.80E-02	0.00E+00	2.80E-02
		Be-7	<3.28E-01	0.00E+00	3.28E-01
		K-40	9.05E-01	3.20E-01	6.85E-01
274395	11/5/2013 - 11/12/2013	I-131	<4.97E-02	0.00E+00	4.97E-02
		Cs-134	<3.04E-02	0.00E+00	3.04E-02
		Cs-137	<3.28E-02	0.00E+00	3.28E-02
		Be-7	<2.26E-01	0.00E+00	2.26E-01
		K-40	8.31E-01	2.78E-01	1.64E-01
274909	11/12/2013 - 11/19/2013	I-131	<5.36E-02	0.00E+00	5.36E-02
		Cs-134	<4.02E-02	0.00E+00	4.02E-02
		Cs-137	<5.04E-02	0.00E+00	5.04E-02
		Be-7	<3.53E-01	0.00E+00	3.53E-01
		K-40	4.76E-01	1.68E-01	4.50E-01
276463	11/19/2013 - 11/26/2013	I-131	<5.07E-02	0.00E+00	5.07E-02
		Cs-134	<2.22E-02	0.00E+00	2.22E-02
		Cs-137	<2.00E-02	0.00E+00	2.00E-02
		Be-7	<2.01E-01	0.00E+00	2.01E-01
		K-40	<1.03E+00	0.00E+00	1.03E+00

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 206 [CONTROL - NW @ 11.3 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
279525	11/26/2013 - 12/3/2013	I-131	<4.82E-02	0.00E+00	4.82E-02
		Cs-134	<4.54E-02	0.00E+00	4.54E-02
		Cs-137	<3.03E-02	0.00E+00	3.03E-02
		Be-7	<3.44E-01	0.00E+00	3.44E-01
		K-40	<1.30E+00	0.00E+00	1.30E+00
278711	12/3/2013 - 12/10/2013	I-131	<4.70E-02	0.00E+00	4.70E-02
		Cs-134	<3.02E-02	0.00E+00	3.02E-02
		Cs-137	<3.85E-02	0.00E+00	3.85E-02
		Be-7	<3.71E-01	0.00E+00	3.71E-01
		K-40	7.39E-01	2.68E-01	6.70E-01
278984	12/10/2013 - 12/17/2013	I-131	<3.46E-02	0.00E+00	3.46E-02
		Cs-134	<1.69E-02	0.00E+00	1.69E-02
		Cs-137	<1.59E-02	0.00E+00	1.59E-02
		Be-7	<1.04E-01	0.00E+00	1.04E-01
		K-40	<7.69E-01	0.00E+00	7.69E-01
279630	12/17/2013 - 12/24/2013	I-131	<5.34E-02	0.00E+00	5.34E-02
		Cs-134	<3.19E-02	0.00E+00	3.19E-02
		Cs-137	<3.01E-02	0.00E+00	3.01E-02
		Be-7	<3.46E-01	0.00E+00	3.46E-01
		K-40	1.53E+00	3.00E-01	1.59E-01
280108	12/24/2013 - 12/31/2013	I-131	<3.47E-02	0.00E+00	3.47E-02
		Cs-134	<1.78E-02	0.00E+00	1.78E-02
		Cs-137	<2.35E-02	0.00E+00	2.35E-02
		Be-7	<1.61E-01	0.00E+00	1.61E-01
		K-40	9.88E-01	1.97E-01	2.26E-01

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

Sample Point 700 [INDICATOR - SSW @ 5.5 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
258729	5/22/2013 - 5/22/2013	Mn-54	<1.35E+01	0.00E+00	1.35E+01	FREESWIM
		Co-58	<1.35E+01	0.00E+00	1.35E+01	
		Fe-59	<3.38E+01	0.00E+00	3.38E+01	
		Co-60	<2.02E+01	0.00E+00	2.02E+01	
		Zn-65	<4.46E+01	0.00E+00	4.46E+01	
		Nb-95	<1.39E+01	0.00E+00	1.39E+01	
		I-131	<2.00E+01	0.00E+00	2.00E+01	
		Cs-134	<1.12E+01	0.00E+00	1.12E+01	
		Cs-137	<1.91E+01	0.00E+00	1.91E+01	
		Be-7	<7.90E+01	0.00E+00	7.90E+01	
		K-40	3.44E+03	2.32E+02	1.30E+02	
		Ag-110M	<1.13E+01	0.00E+00	1.13E+01	
		Sb-122	<1.37E+02	0.00E+00	1.37E+02	
		Sb-125	<3.47E+01	0.00E+00	3.47E+01	
		274167	10/16/2013 - 10/16/2013	Mn-54	<2.37E+01	
Co-58	<2.44E+01			0.00E+00	2.44E+01	
Fe-59	<5.24E+01			0.00E+00	5.24E+01	
Co-60	<2.71E+01			0.00E+00	2.71E+01	
Zn-65	<5.90E+01			0.00E+00	5.90E+01	
Nb-95	<2.85E+01			0.00E+00	2.85E+01	
I-131	<3.15E+01			0.00E+00	3.15E+01	
Cs-134	<1.51E+01			0.00E+00	1.51E+01	
Cs-137	<1.98E+01			0.00E+00	1.98E+01	
Be-7	<1.41E+02			0.00E+00	1.41E+02	
K-40	3.36E+03			2.64E+02	1.85E+02	
Ag-110M	<2.10E+01			0.00E+00	2.10E+01	
Sb-122	<1.37E+02			0.00E+00	1.37E+02	
Sb-125	<4.79E+01			0.00E+00	4.79E+01	

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 701 [INDICATOR - SSW @ 5.5 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
258730	5/22/2013 - 5/22/2013					BOTMFEEDER
		Mn-54	<1.02E+01	0.00E+00	1.02E+01	
		Co-58	<6.90E+00	0.00E+00	6.90E+00	
		Fe-59	<2.41E+01	0.00E+00	2.41E+01	
		Co-60	<1.31E+01	0.00E+00	1.31E+01	
		Zn-65	<2.06E+01	0.00E+00	2.06E+01	
		Nb-95	<1.02E+01	0.00E+00	1.02E+01	
		I-131	<1.49E+01	0.00E+00	1.49E+01	
		Cs-134	<7.02E+00	0.00E+00	7.02E+00	
		Cs-137	<1.06E+01	0.00E+00	1.06E+01	
		Be-7	<7.34E+01	0.00E+00	7.34E+01	
		K-40	2.01E+03	1.35E+02	1.16E+02	
		Ag-110M	<9.91E+00	0.00E+00	9.91E+00	
		Sb-122	<8.15E+01	0.00E+00	8.15E+01	
		Sb-125	<1.97E+01	0.00E+00	1.97E+01	

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
274168	10/16/2013 - 10/16/2013					BOTMFEEDER
		Mn-54	<2.85E+01	0.00E+00	2.85E+01	
		Co-58	<2.09E+01	0.00E+00	2.09E+01	
		Fe-59	<6.20E+01	0.00E+00	6.20E+01	
		Co-60	<3.12E+01	0.00E+00	3.12E+01	
		Zn-65	<5.60E+01	0.00E+00	5.60E+01	
		Nb-95	<2.37E+01	0.00E+00	2.37E+01	
		I-131	<3.09E+01	0.00E+00	3.09E+01	
		Cs-134	<2.09E+01	0.00E+00	2.09E+01	
		Cs-137	<2.30E+01	0.00E+00	2.30E+01	
		Be-7	<1.65E+02	0.00E+00	1.65E+02	
		K-40	2.55E+03	2.43E+02	1.93E+02	
		Ag-110M	<2.14E+01	0.00E+00	2.14E+01	
		Sb-122	<1.32E+02	0.00E+00	1.32E+02	
		Sb-125	<4.58E+01	0.00E+00	4.58E+01	

Sample Point 702 [INDICATOR - SSW @ 5.5 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
258733	5/22/2013 - 5/22/2013					INVERTEBRA
		Mn-54	<1.48E+01	0.00E+00	1.48E+01	
		Co-58	<1.21E+01	0.00E+00	1.21E+01	
		Fe-59	<2.70E+01	0.00E+00	2.70E+01	
		Co-60	<2.22E+01	0.00E+00	2.22E+01	
		Zn-65	<3.39E+01	0.00E+00	3.39E+01	
		Nb-95	<1.31E+01	0.00E+00	1.31E+01	
		I-131	<2.25E+01	0.00E+00	2.25E+01	
		Cs-134	<8.95E+00	0.00E+00	8.95E+00	
		Cs-137	<1.34E+01	0.00E+00	1.34E+01	
		Be-7	<1.00E+02	0.00E+00	1.00E+02	
		K-40	3.16E+03	2.08E+02	1.41E+02	
		Ag-110M	<1.34E+01	0.00E+00	1.34E+01	
		Sb-122	<1.36E+02	0.00E+00	1.36E+02	
		Sb-125	<2.87E+01	0.00E+00	2.87E+01	

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
274169	10/16/2013 - 10/16/2013					INVERTEBRA
		Mn-54	<1.16E+01	0.00E+00	1.16E+01	
		Co-58	<1.36E+01	0.00E+00	1.36E+01	
		Fe-59	<4.43E+01	0.00E+00	4.43E+01	
		Co-60	<1.86E+01	0.00E+00	1.86E+01	
		Zn-65	<3.58E+01	0.00E+00	3.58E+01	
		Nb-95	<1.82E+01	0.00E+00	1.82E+01	
		I-131	<2.56E+01	0.00E+00	2.56E+01	
		Cs-134	<1.49E+01	0.00E+00	1.49E+01	
		Cs-137	<1.23E+01	0.00E+00	1.23E+01	
		Be-7	<1.39E+02	0.00E+00	1.39E+02	
		K-40	2.88E+03	1.98E+02	1.40E+02	
		Ag-110M	<1.52E+01	0.00E+00	1.52E+01	
		Sb-122	<1.11E+02	0.00E+00	1.11E+02	
		Sb-125	<3.33E+01	0.00E+00	3.33E+01	

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
258731	5/22/2013 - 5/22/2013					FREESWIM
		Mn-54	<1.29E+01	0.00E+00	1.29E+01	

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
258731	5/22/2013 - 5/22/2013					FREESWIM
		Co-58	<1.35E+01	0.00E+00	1.35E+01	
		Fe-59	<3.49E+01	0.00E+00	3.49E+01	
		Co-60	<2.21E+01	0.00E+00	2.21E+01	
		Zn-65	<3.96E+01	0.00E+00	3.96E+01	
		Nb-95	<1.36E+01	0.00E+00	1.36E+01	
		I-131	<2.04E+01	0.00E+00	2.04E+01	
		Cs-134	<1.43E+01	0.00E+00	1.43E+01	
		Cs-137	<1.70E+01	0.00E+00	1.70E+01	
		Be-7	<1.02E+02	0.00E+00	1.02E+02	
		K-40	3.85E+03	2.12E+02	1.39E+02	
		Ag-110M	<1.15E+01	0.00E+00	1.15E+01	
		Sb-122	<1.21E+02	0.00E+00	1.21E+02	
		Sb-125	<2.93E+01	0.00E+00	2.93E+01	

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
274170	10/18/2013 - 10/18/2013					FREESWIM
		Mn-54	<2.76E+01	0.00E+00	2.76E+01	
		Co-58	<2.25E+01	0.00E+00	2.25E+01	
		Fe-59	<5.09E+01	0.00E+00	5.09E+01	
		Co-60	<2.29E+01	0.00E+00	2.29E+01	
		Zn-65	<5.60E+01	0.00E+00	5.60E+01	
		Nb-95	<1.13E+01	0.00E+00	1.13E+01	
		I-131	<2.72E+01	0.00E+00	2.72E+01	
		Cs-134	<1.80E+01	0.00E+00	1.80E+01	
		Cs-137	<2.56E+01	0.00E+00	2.56E+01	
		Be-7	<1.52E+02	0.00E+00	1.52E+02	
		K-40	3.11E+03	2.85E+02	1.72E+02	
		Ag-110M	<1.71E+01	0.00E+00	1.71E+01	
		Sb-122	<1.05E+02	0.00E+00	1.05E+02	
		Sb-125	<5.11E+01	0.00E+00	5.11E+01	

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
258732	5/22/2013 - 5/22/2013					BOTMFEEDER
		Mn-54	<7.25E+00	0.00E+00	7.25E+00	
		Co-58	<7.46E+00	0.00E+00	7.46E+00	
		Fe-59	<1.69E+01	0.00E+00	1.69E+01	
		Co-60	<1.02E+01	0.00E+00	1.02E+01	
		Zn-65	<1.83E+01	0.00E+00	1.83E+01	
		Nb-95	<8.12E+00	0.00E+00	8.12E+00	
		I-131	<1.44E+01	0.00E+00	1.44E+01	
		Cs-134	<6.96E+00	0.00E+00	6.96E+00	
		Cs-137	<8.57E+00	0.00E+00	8.57E+00	
		Be-7	<5.92E+01	0.00E+00	5.92E+01	
		K-40	2.22E+03	1.05E+02	7.42E+01	
		Ag-110M	<7.24E+00	0.00E+00	7.24E+00	
		Sb-122	<8.07E+01	0.00E+00	8.07E+01	
		Sb-125	<1.71E+01	0.00E+00	1.71E+01	

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
274171	10/18/2013 - 10/18/2013					BOTMFEEDER
		Mn-54	<2.12E+01	0.00E+00	2.12E+01	
		Co-58	<1.76E+01	0.00E+00	1.76E+01	
		Fe-59	<5.98E+01	0.00E+00	5.98E+01	
		Co-60	<1.92E+01	0.00E+00	1.92E+01	
		Zn-65	<7.03E+01	0.00E+00	7.03E+01	
		Nb-95	<2.64E+01	0.00E+00	2.64E+01	
		I-131	<2.22E+01	0.00E+00	2.22E+01	
		Cs-134	<1.98E+01	0.00E+00	1.98E+01	
		Cs-137	<2.07E+01	0.00E+00	2.07E+01	
		Be-7	<1.75E+02	0.00E+00	1.75E+02	
		K-40	2.69E+03	2.60E+02	1.83E+02	
		Ag-110M	<1.64E+01	0.00E+00	1.64E+01	
		Sb-122	<8.42E+01	0.00E+00	8.42E+01	
		Sb-125	<4.14E+01	0.00E+00	4.14E+01	

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
258734	5/22/2013 - 5/22/2013					INVERTEBRA
		Mn-54	<1.28E+01	0.00E+00	1.28E+01	
		Co-58	<1.48E+01	0.00E+00	1.48E+01	

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
258734	5/22/2013 - 5/22/2013	Fe-59	<3.21E+01	0.00E+00	3.21E+01	INVERTEBRA
		Co-60	<1.75E+01	0.00E+00	1.75E+01	
		Zn-65	<3.50E+01	0.00E+00	3.50E+01	
		Nb-95	<1.52E+01	0.00E+00	1.52E+01	
		I-131	<1.97E+01	0.00E+00	1.97E+01	
		Cs-134	<1.04E+01	0.00E+00	1.04E+01	
		Cs-137	<1.45E+01	0.00E+00	1.45E+01	
		Be-7	<9.02E+01	0.00E+00	9.02E+01	
		K-40	2.86E+03	1.83E+02	1.32E+02	
		Ag-110M	<1.08E+01	0.00E+00	1.08E+01	
		Sb-122	<1.22E+02	0.00E+00	1.22E+02	
		Sb-125	<2.83E+01	0.00E+00	2.83E+01	

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
274172	10/18/2013 - 10/18/2013	Mn-54	<1.24E+01	0.00E+00	1.24E+01	INVERTEBRA
		Co-58	<1.28E+01	0.00E+00	1.28E+01	
		Fe-59	<2.60E+01	0.00E+00	2.60E+01	
		Co-60	<1.37E+01	0.00E+00	1.37E+01	
		Zn-65	<3.11E+01	0.00E+00	3.11E+01	
		Nb-95	<1.46E+01	0.00E+00	1.46E+01	
		I-131	<1.68E+01	0.00E+00	1.68E+01	
		Cs-134	<1.46E+01	0.00E+00	1.46E+01	
		Cs-137	<1.72E+01	0.00E+00	1.72E+01	
		Be-7	<1.12E+02	0.00E+00	1.12E+02	
		K-40	2.39E+03	1.71E+02	1.51E+02	
		Ag-110M	<1.18E+01	0.00E+00	1.18E+01	
		Sb-122	<4.78E+01	0.00E+00	4.78E+01	
		Sb-125	<3.31E+01	0.00E+00	3.31E+01	

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
271687	9/19/2013 - 9/19/2013	Mn-54	<1.76E+01	0.00E+00	1.76E+01	FREESWIM
		Co-58	<1.66E+01	0.00E+00	1.66E+01	
		Fe-59	<3.10E+01	0.00E+00	3.10E+01	
		Co-60	<1.61E+01	0.00E+00	1.61E+01	
		Zn-65	<3.18E+01	0.00E+00	3.18E+01	
		Nb-95	<1.83E+01	0.00E+00	1.83E+01	
		I-131	<3.48E+01	0.00E+00	3.48E+01	
		Cs-134	<1.21E+01	0.00E+00	1.21E+01	
		Cs-137	<1.53E+01	0.00E+00	1.53E+01	
		Be-7	<1.10E+02	0.00E+00	1.10E+02	
		K-40	1.78E+03	1.47E+02	1.52E+02	
		Ag-110M	<1.31E+01	0.00E+00	1.31E+01	
		Sb-122	<3.35E+02	0.00E+00	3.35E+02	
		Sb-125	<3.30E+01	0.00E+00	3.30E+01	
		H3FISH	<5.09E+02	0.00E+00	5.09E+02	

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
271688	9/19/2013 - 9/19/2013	Mn-54	<1.91E+01	0.00E+00	1.91E+01	BOTMFEEDER
		Co-58	<1.70E+01	0.00E+00	1.70E+01	
		Fe-59	<3.38E+01	0.00E+00	3.38E+01	
		Co-60	<2.02E+01	0.00E+00	2.02E+01	
		Zn-65	<4.31E+01	0.00E+00	4.31E+01	
		Nb-95	<1.98E+01	0.00E+00	1.98E+01	
		I-131	<3.13E+01	0.00E+00	3.13E+01	
		Cs-134	<1.32E+01	0.00E+00	1.32E+01	
		Cs-137	<1.44E+01	0.00E+00	1.44E+01	
		Be-7	<1.17E+02	0.00E+00	1.17E+02	
		K-40	1.70E+03	1.58E+02	1.33E+02	
		Ag-110M	<1.12E+01	0.00E+00	1.12E+01	
		Sb-122	<3.22E+02	0.00E+00	3.22E+02	
		Sb-125	<3.78E+01	0.00E+00	3.78E+01	
		H3FISH	<4.35E+02	0.00E+00	4.35E+02	

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype: INVERTEBRA
271689	9/19/2013 - 9/19/2013	Mn-54	<2.47E+01	0.00E+00	2.47E+01	
		Co-58	<2.07E+01	0.00E+00	2.07E+01	
		Fe-59	<4.76E+01	0.00E+00	4.76E+01	
		Co-60	<2.65E+01	0.00E+00	2.65E+01	
		Zn-65	<4.78E+01	0.00E+00	4.78E+01	
		Nb-95	<2.60E+01	0.00E+00	2.60E+01	
		I-131	<4.58E+01	0.00E+00	4.58E+01	
		Cs-134	<2.22E+01	0.00E+00	2.22E+01	
		Cs-137	<1.96E+01	0.00E+00	1.96E+01	
		Be-7	<1.43E+02	0.00E+00	1.43E+02	
		K-40	1.96E+03	1.98E+02	1.89E+02	
		Ag-110M	<1.49E+01	0.00E+00	1.49E+01	
		Sb-122	<4.90E+02	0.00E+00	4.90E+02	
		Sb-125	<4.10E+01	0.00E+00	4.10E+01	
		H3FISH	<6.23E+02	0.00E+00	6.23E+02	

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

Sample Point 404 [INDICATOR - SW @ 0.16 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179097	1/7/2013 - 1/7/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3GW	<2.78E+02	0.00E+00	2.78E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179098	4/4/2013 - 4/4/2013	H3GW	<2.87E+02	0.00E+00	2.87E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179410	7/11/2013 - 7/11/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3GW	<2.71E+02	0.00E+00	2.71E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186796	10/21/2013 - 10/21/2013	H3GW	<2.88E+02	0.00E+00	2.88E+02

Sample Point 407 [INDICATOR - ENE @ 0.06 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186643	1/14/2013 - 1/14/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3GW	3.48E+02	0.00E+00	2.00E+03

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 407 [INDICATOR - ENE @ 0.06 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186644	4/13/2013 - 4/13/2013	H3GW	3.11E+02	0.00E+00	2.00E+03
186697	7/15/2013 - 7/15/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3GW	4.89E+02	0.00E+00	2.00E+03
186797	10/22/2013 - 10/22/2013	H3GW	7.14E+02	0.00E+00	2.00E+03

Sample Point 409 [INDICATOR - NE @ 0.65 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179101	3/12/2013 - 3/12/2013	H3GW	<2.69E+02	0.00E+00	2.69E+02
179412	6/5/2013 - 6/5/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3GW	<2.72E+02	0.00E+00	2.72E+02
186794	9/16/2013 - 9/16/2013	H3GW	<2.79E+02	0.00E+00	2.79E+02
186865	12/10/2013 - 12/10/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3GW	<2.77E+02	0.00E+00	2.77E+02

Sample Point 410 [INDICATOR - NE @ 0.65 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179102	3/12/2013 - 3/12/2013	H3GW	<2.60E+02	0.00E+00	2.60E+02
179598	6/6/2013 - 6/6/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 410 [INDICATOR - NE @ 0.65 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179598	6/6/2013 - 6/6/2013	Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3GW	<2.76E+02	0.00E+00	2.76E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186712	9/16/2013 - 9/16/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3GW	<2.85E+02	0.00E+00	2.85E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186866	12/10/2013 - 12/10/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3GW	<2.77E+02	0.00E+00	2.77E+02

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186645	3/6/2013 - 3/6/2013	H3GW	3.25E+02	0.00E+00	2.00E+03

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179104	3/13/2013 - 3/13/2013	H3GW	<2.57E+02	0.00E+00	2.57E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179413	6/5/2013 - 6/5/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3GW	<2.75E+02	0.00E+00	2.75E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186713	9/18/2013 - 9/18/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3GW	<2.85E+02	0.00E+00	2.85E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186867	12/9/2013 - 12/9/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186867	12/9/2013 - 12/9/2013	Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3GW	<2.77E+02	0.00E+00	2.77E+02

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179105	1/7/2013 - 1/7/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3GW	<2.77E+02	0.00E+00	2.77E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179106	4/5/2013 - 4/5/2013	H3GW	<2.81E+02	0.00E+00	2.81E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179414	7/11/2013 - 7/11/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3GW	<2.68E+02	0.00E+00	2.68E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186798	10/21/2013 - 10/21/2013	H3GW	<2.82E+02	0.00E+00	2.82E+02

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179107	1/7/2013 - 1/7/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3GW	<2.77E+02	0.00E+00	2.77E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179108	4/5/2013 - 4/5/2013	H3GW	<2.81E+02	0.00E+00	2.81E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179415	7/11/2013 - 7/11/2013	H3GW	<2.72E+02	0.00E+00	2.72E+02

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179416	7/16/2013 - 7/16/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3GW	<2.82E+02	0.00E+00	2.82E+02
		186799	10/21/2013 - 10/21/2013	H3GW	<2.84E+02

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179417	3/7/2013 - 3/7/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3GW	<2.70E+02	0.00E+00	2.70E+02
		179418	6/13/2013 - 6/13/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3GW	<2.79E+02			0.00E+00	2.79E+02
186714	9/18/2013 - 9/18/2013			H3GW	<2.84E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186868	12/11/2013 - 12/11/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3GW	<2.80E+02	0.00E+00	2.80E+02

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179109	3/12/2013 - 3/12/2013	H3GW	<2.68E+02	0.00E+00	2.68E+02
179419	6/10/2013 - 6/10/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179419	6/10/2013 - 6/10/2013	Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3GW	<2.71E+02	0.00E+00	2.71E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186715	9/19/2013 - 9/19/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3GW	<2.85E+02	0.00E+00	2.85E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186869	12/9/2013 - 12/9/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3GW	<2.75E+02	0.00E+00	2.75E+02

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179110	1/14/2013 - 1/14/2013	H3GW	<2.71E+02	0.00E+00	2.71E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179111	2/11/2013 - 2/11/2013	H3GW	<2.61E+02	0.00E+00	2.61E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179112	3/22/2013 - 3/22/2013	H3GW	<2.68E+02	0.00E+00	2.68E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179113	4/10/2013 - 4/10/2013	H3GW	<2.76E+02	0.00E+00	2.76E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179114	5/21/2013 - 5/21/2013	H3GW	<2.81E+02	0.00E+00	2.81E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179420	6/26/2013 - 6/26/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179420	6/26/2013 - 6/26/2013	H3GW	<2.81E+02	0.00E+00	2.81E+02
179421	7/15/2013 - 7/15/2013	H3GW	<2.65E+02	0.00E+00	2.65E+02
186795	8/21/2013 - 8/21/2013	H3GW	<2.74E+02	0.00E+00	2.74E+02
186870	12/13/2013 - 12/13/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3GW	<2.73E+02	0.00E+00	2.73E+02

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

Sample Point 500 [INDICATOR - SSW @ 5 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179082	5/13/2013 - 5/13/2013	Cs-134	<1.50E+02	0.00E+00	1.50E+02
		Cs-137	<1.80E+02	0.00E+00	1.80E+02
		K-40	1.32E+03	4.11E+02	
		Tl-208	5.15E+01	2.33E+01	
		Pb-212	1.10E+02	8.03E+01	
		Bi-214	1.33E+02	5.60E+01	
		Pb-214	1.23E+02	5.60E+01	
		Ac-228	1.11E+02	6.90E+01	
274229	10/22/2013 - 10/22/2013	Mn-54	<1.16E+01	0.00E+00	1.16E+01
		Co-58	<1.32E+01	0.00E+00	1.32E+01
		Fe-59	<2.27E+01	0.00E+00	2.27E+01
		Co-60	<1.70E+01	0.00E+00	1.70E+01
		Zn-65	<2.13E+01	0.00E+00	2.13E+01
		Zr-95	<2.34E+01	0.00E+00	2.34E+01
		Nb-95	<1.47E+01	0.00E+00	1.47E+01
		I-131	<1.80E+01	0.00E+00	1.80E+01
		Cs-134	<1.27E+01	0.00E+00	1.27E+01
		Cs-137	<1.31E+01	0.00E+00	1.31E+01
		Be-7	<9.06E+01	0.00E+00	9.06E+01
		K-40	1.25E+03	1.29E+02	1.36E+02
		Co-57	<9.10E+00	0.00E+00	9.10E+00
		Mo-99	<3.85E+02	0.00E+00	3.85E+02
		Ag-110M	<8.94E+00	0.00E+00	8.94E+00
		Sb-122	<7.14E+01	0.00E+00	7.14E+01
		Sb-125	<2.94E+01	0.00E+00	2.94E+01

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
260524	6/18/2013 - 6/18/2013	Fe-55	<9.43E+03	0.00E+00	9.43E+03
		Sr-89	<1.28E+03	0.00E+00	1.28E+03
		Sr-90	<1.26E+03	0.00E+00	1.26E+03
		Cs-134	<7.53E+01	0.00E+00	7.53E+01
		Cs-137	1.29E+02	3.18E+01	5.38E+01
280774	12/10/2013 - 12/10/2013	Mn-54	<1.64E+01	0.00E+00	1.64E+01
		Co-58	<1.60E+01	0.00E+00	1.60E+01
		Fe-59	<5.06E+01	0.00E+00	5.06E+01
		Co-60	<2.12E+01	0.00E+00	2.12E+01
		Zn-65	<2.91E+01	0.00E+00	2.91E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
280774	12/10/2013 - 12/10/2013	Zr-95	<3.62E+01	0.00E+00	3.62E+01
		Nb-95	<2.76E+01	0.00E+00	2.76E+01
		I-131	<1.58E+02	0.00E+00	1.58E+02
		Cs-134	<1.37E+01	0.00E+00	1.37E+01
		Cs-137	1.35E+01	5.62E+00	1.34E+01
		Be-7	<1.69E+02	0.00E+00	1.69E+02
		K-40	7.65E+03	2.58E+02	9.02E+01
		Co-57	<1.40E+01	0.00E+00	1.40E+01
		Mo-99	<0.00E+00	0.00E+00	0.00E+00
		Ag-110M	<1.26E+01	0.00E+00	1.26E+01
		Sb-122	<0.00E+00	0.00E+00	0.00E+00
		Sb-125	<3.63E+01	0.00E+00	3.63E+01
		Fe-55	<1.27E+03	0.00E+00	1.27E+03
		Sr-89	<7.87E+02	0.00E+00	7.87E+02
		Sr-90	<1.43E+03	0.00E+00	1.43E+03

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

Sample Point 400 [CONTROL - NE @ 0.6 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
177697	1/18/2013 - 1/18/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		K-40	4.74E+02	3.93E+01	
		Tl-208	4.36E+00	1.65E+00	
		Pb-212	7.59E+00	2.88E+00	
		Bi-214	2.03E+01	3.51E+00	
		Pb-214	1.73E+01	2.97E+00	
		Ra-226	1.81E+02	3.00E+01	
		Th-234	1.67E+02	4.76E+01	

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
177742	1/18/2013 - 1/18/2013	H3SW	<2.33E+02	0.00E+00	2.33E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
177868	2/16/2013 - 2/16/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		K-40	8.69E+02	6.61E+01	
		Tl-208	4.37E+00	1.68E+00	
		Pb-212	5.99E+00	2.84E+00	
		Bi-214	1.09E+01	2.95E+00	
		Pb-214	8.33E+00	3.26E+00	
		Ra-226	1.40E+02	4.00E+01	
		Ac-228	1.30E+01	5.74E+00	
		Th-234	9.88E+01	5.46E+01	

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
177920	2/16/2013 - 2/16/2013	H3SW	<2.33E+02	0.00E+00	2.33E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
178044	3/16/2013 - 3/16/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 400 [CONTROL - NE @ 0.6 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD		
178044	3/16/2013 - 3/16/2013	Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		K-40	4.51E+02	3.78E+01			
		Tl-208	3.19E+00	1.38E+00			
		Pb-212	5.86E+00	2.20E+00			
		Bi-214	1.49E+01	2.86E+00			
		Pb-214	1.12E+01	3.32E+00			
		Ra-226	1.77E+02	2.80E+01			
		Th-234	1.95E+02	4.80E+01			
		178107	3/16/2013 - 3/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
H3SW	<2.31E+02			0.00E+00	2.31E+02		
179052	4/16/2013 - 4/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD		
		Mn-54	<1.50E+01	0.00E+00	1.50E+01		
		Co-58	<1.50E+01	0.00E+00	1.50E+01		
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		K-40	4.66E+02	3.94E+01			
		Tl-208	2.04E+00	1.62E+00			
		Pb-212	7.80E+00	1.31E+00			
		Bi-214	1.60E+01	3.47E+00			
		Pb-214	1.32E+01	3.20E+00			
Ra-226	1.53E+02	3.12E+01					
Th-234	1.84E+02	4.78E+01					
179059	4/16/2013 - 4/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD		
		H3SW	<2.30E+02	0.00E+00	2.30E+02		
259504	5/1/2013 - 6/3/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD		
		Mn-54	<1.63E+00	0.00E+00	1.63E+00		
		Co-58	<2.15E+00	0.00E+00	2.15E+00		
		Fe-59	<5.04E+00	0.00E+00	5.04E+00		
		Co-60	<2.11E+00	0.00E+00	2.11E+00		
		Zn-65	<3.50E+00	0.00E+00	3.50E+00		
		Zr-95	<3.43E+00	0.00E+00	3.43E+00		
		Nb-95	<2.31E+00	0.00E+00	2.31E+00		
		I-131	<1.17E+01	0.00E+00	1.17E+01		
		Cs-134	<1.54E+00	0.00E+00	1.54E+00		
		Cs-137	<1.84E+00	0.00E+00	1.84E+00		
		BaLa-140	<6.57E+00	0.00E+00	6.57E+00		
		Be-7	<1.73E+01	0.00E+00	1.73E+01		
		K-40	3.53E+02	1.72E+01	1.56E+01		
		H3SW	<3.71E+01	0.00E+00	1.73E+02		
		261977	6/3/2013 - 7/1/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<7.00E+00	0.00E+00	7.00E+00
Co-58	<8.82E+00			0.00E+00	8.82E+00		
Fe-59	<1.45E+01			0.00E+00	1.45E+01		
Co-60	<9.58E+00			0.00E+00	9.58E+00		
Zn-65	<1.34E+01			0.00E+00	1.34E+01		
Zr-95	<1.14E+01			0.00E+00	1.14E+01		
Nb-95	<6.90E+00			0.00E+00	6.90E+00		
I-131	<1.37E+01			0.00E+00	1.37E+01		
Cs-134	<7.10E+00			0.00E+00	7.10E+00		

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 400 [CONTROL - NE @ 0.6 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
261977	6/3/2013 - 7/1/2013	Cs-137	<7.69E+00	0.00E+00	7.69E+00
		BaLa-140	<1.02E+01	0.00E+00	1.02E+01
		Be-7	<6.46E+01	0.00E+00	6.46E+01
		K-40	2.08E+02	4.90E+01	8.25E+01
		H3SW	<-6.7E+01	0.00E+00	1.81E+02
265046	7/1/2013 - 8/1/2013	Mn-54	<2.63E+00	0.00E+00	2.63E+00
		Co-58	<2.95E+00	0.00E+00	2.95E+00
		Fe-59	<7.72E+00	0.00E+00	7.72E+00
		Co-60	<2.80E+00	0.00E+00	2.80E+00
		Zn-65	<6.75E+00	0.00E+00	6.75E+00
		Zr-95	<6.30E+00	0.00E+00	6.30E+00
		Nb-95	<3.66E+00	0.00E+00	3.66E+00
		I-131	<1.40E+01	0.00E+00	1.40E+01
		Cs-134	<2.35E+00	0.00E+00	2.35E+00
		Cs-137	<2.82E+00	0.00E+00	2.82E+00
		BaLa-140	<1.05E+01	0.00E+00	1.05E+01
		Be-7	<2.84E+01	0.00E+00	2.84E+01
		K-40	1.63E+02	1.85E+01	2.84E+01
		H3SW	<-2.8E+01	0.00E+00	1.81E+02
269515	8/1/2013 - 9/3/2013	Mn-54	<7.45E+00	0.00E+00	7.45E+00
		Co-58	<7.34E+00	0.00E+00	7.34E+00
		Fe-59	<1.27E+01	0.00E+00	1.27E+01
		Co-60	<1.11E+01	0.00E+00	1.11E+01
		Zn-65	<1.24E+01	0.00E+00	1.24E+01
		Zr-95	<1.36E+01	0.00E+00	1.36E+01
		Nb-95	<6.69E+00	0.00E+00	6.69E+00
		I-131	<9.17E+00	0.00E+00	9.17E+00
		Cs-134	<5.72E+00	0.00E+00	5.72E+00
		Cs-137	<6.91E+00	0.00E+00	6.91E+00
		BaLa-140	<1.13E+01	0.00E+00	1.13E+01
		Be-7	<5.93E+01	0.00E+00	5.93E+01
		K-40	3.59E+02	6.21E+01	7.16E+01
		H3SW	<-5.4E+01	0.00E+00	1.75E+02
272380	9/3/2013 - 10/1/2013	Mn-54	<3.34E+00	0.00E+00	3.34E+00
		Co-58	<3.84E+00	0.00E+00	3.84E+00
		Fe-59	<8.80E+00	0.00E+00	8.80E+00
		Co-60	<4.40E+00	0.00E+00	4.40E+00
		Zn-65	<6.58E+00	0.00E+00	6.58E+00
		Zr-95	<7.14E+00	0.00E+00	7.14E+00
		Nb-95	<4.87E+00	0.00E+00	4.87E+00
		I-131	<1.34E+01	0.00E+00	1.34E+01
		Cs-134	<3.68E+00	0.00E+00	3.68E+00
		Cs-137	<3.62E+00	0.00E+00	3.62E+00
		BaLa-140	<9.30E+00	0.00E+00	9.30E+00
		Be-7	<3.24E+01	0.00E+00	3.24E+01
		K-40	3.54E+02	3.54E+01	3.73E+01
		H3SW	<-6.7E+01	0.00E+00	1.98E+02
275244	10/1/2013 - 11/4/2013	Mn-54	<2.68E+00	0.00E+00	2.68E+00
		Co-58	<3.23E+00	0.00E+00	3.23E+00
		Fe-59	<6.45E+00	0.00E+00	6.45E+00
		Co-60	<2.38E+00	0.00E+00	2.38E+00
		Zn-65	<5.34E+00	0.00E+00	5.34E+00
		Zr-95	<5.51E+00	0.00E+00	5.51E+00
		Nb-95	<3.76E+00	0.00E+00	3.76E+00
		I-131	<1.38E+01	0.00E+00	1.38E+01
		Cs-134	<2.27E+00	0.00E+00	2.27E+00
		Cs-137	<2.72E+00	0.00E+00	2.72E+00
		BaLa-140	<7.06E+00	0.00E+00	7.06E+00
		Be-7	<2.74E+01	0.00E+00	2.74E+01
		K-40	4.46E+02	2.48E+01	2.58E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 400 [CONTROL - NE @ 0.6 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
275244	10/1/2013 - 11/4/2013	H3SW	<-5.7E+01	0.00E+00	1.79E+02
279509	11/4/2013 - 12/2/2013	Mn-54	<2.38E+00	0.00E+00	2.38E+00
		Co-58	<3.24E+00	0.00E+00	3.24E+00
		Fe-59	<6.29E+00	0.00E+00	6.29E+00
		Co-60	<3.41E+00	0.00E+00	3.41E+00
		Zn-65	<4.66E+00	0.00E+00	4.66E+00
		Zr-95	<4.63E+00	0.00E+00	4.63E+00
		Nb-95	<3.23E+00	0.00E+00	3.23E+00
		I-131	<1.13E+01	0.00E+00	1.13E+01
		Cs-134	<2.40E+00	0.00E+00	2.40E+00
		Cs-137	<2.70E+00	0.00E+00	2.70E+00
		BaLa-140	<7.37E+00	0.00E+00	7.37E+00
		Be-7	<2.29E+01	0.00E+00	2.29E+01
		K-40	3.25E+02	2.64E+01	2.71E+01
		H3SW	<4.80E+01	0.00E+00	2.00E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
281306	12/2/2013 - 1/2/2014	Mn-54	<2.38E+00	0.00E+00	2.38E+00
		Co-58	<2.56E+00	0.00E+00	2.56E+00
		Fe-59	<6.79E+00	0.00E+00	6.79E+00
		Co-60	<3.08E+00	0.00E+00	3.08E+00
		Zn-65	<5.27E+00	0.00E+00	5.27E+00
		Zr-95	<4.95E+00	0.00E+00	4.95E+00
		Nb-95	<3.73E+00	0.00E+00	3.73E+00
		I-131	<1.26E+01	0.00E+00	1.26E+01
		Cs-134	<2.15E+00	0.00E+00	2.15E+00
		Cs-137	<2.76E+00	0.00E+00	2.76E+00
		BaLa-140	<7.34E+00	0.00E+00	7.34E+00
		Be-7	<2.54E+01	0.00E+00	2.54E+01
		K-40	3.02E+02	2.40E+01	2.69E+01
		H3SW	<-2.9E+02	0.00E+00	2.28E+02

Sample Point 401 [INDICATOR - SSW @ 4.9 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
177698	1/18/2013 - 1/18/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		K-40	7.97E+02	6.16E+01	
		Tl-208	4.58E+00	1.68E+00	
		Pb-212	1.01E+01	2.88E+00	
		Bi-214	1.22E+01	3.28E+00	
		Pb-214	7.22E+00	3.47E+00	
		Ra-226	1.07E+02	3.96E+01	
		Ac-228	1.08E+01	4.95E+00	
		Th-234	1.40E+02	5.50E+01	

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
177743	1/18/2013 - 1/18/2013	H3SW	<2.33E+02	0.00E+00	2.33E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
177869	2/16/2013 - 2/16/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 401 [INDICATOR - SSW @ 4.9 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD		
177869	2/16/2013 - 2/16/2013	Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		K-40	4.23E+02	4.33E+01			
		Tl-208	1.98E+00	1.14E+00			
		Pb-212	5.91E+00	2.21E+00			
		Bi-214	1.28E+01	2.55E+00			
		Pb-214	1.06E+01	2.67E+00			
		Ra-226	1.88E+02	3.24E+01			
		Th-234	2.12E+02	4.74E+01			
		177921	2/16/2013 - 2/16/2013	H3SW	<2.34E+02	0.00E+00	2.34E+02
178045	3/16/2013 - 3/16/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01		
		Co-58	<1.50E+01	0.00E+00	1.50E+01		
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		K-40	7.90E+02	6.12E+01			
		Tl-208	4.05E+00	1.61E+00			
		Pb-212	5.78E+00	2.82E+00			
		Bi-214	9.40E+00	3.14E+00			
		Pb-214	8.36E+00	3.39E+00			
		Ra-226	1.32E+02	3.96E+01			
		Ac-228	1.34E+01	6.00E+00			
		Th-234	8.65E+01	5.69E+01			
		178108	3/16/2013 - 3/16/2013	H3SW	2.98E+02	1.43E+02	2.30E+02
179053	4/16/2013 - 4/16/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01		
		Co-58	<1.50E+01	0.00E+00	1.50E+01		
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		K-40	7.67E+02	5.94E+01			
		Tl-208	2.72E+00	1.39E+00			
		Pb-212	6.60E+00	2.45E+00			
		Bi-214	9.13E+00	3.08E+00			
		Pb-214	8.06E+00	3.49E+00			
		Ra-226	1.20E+02	3.94E+01			
		Th-234	1.05E+02	5.38E+01			
		179060	4/16/2013 - 4/16/2013	H3SW	3.17E+02	1.43E+02	2.30E+02
259505	5/1/2013 - 6/3/2013	Mn-54	<1.85E+00	0.00E+00	1.85E+00		
		Co-58	<1.79E+00	0.00E+00	1.79E+00		
		Fe-59	<6.12E+00	0.00E+00	6.12E+00		
		Co-60	<2.71E+00	0.00E+00	2.71E+00		
		Zn-65	<5.03E+00	0.00E+00	5.03E+00		
		Zr-95	<4.13E+00	0.00E+00	4.13E+00		
		Nb-95	<3.53E+00	0.00E+00	3.53E+00		

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 401 [INDICATOR - SSW @ 4.9 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
259505	5/1/2013 - 6/3/2013	I-131	<1.39E+01	0.00E+00	1.39E+01
		Cs-134	<1.76E+00	0.00E+00	1.76E+00
		Cs-137	<2.18E+00	0.00E+00	2.18E+00
		BaLa-140	<6.13E+00	0.00E+00	6.13E+00
		Be-7	<1.88E+01	0.00E+00	1.88E+01
		K-40	3.04E+02	1.88E+01	1.53E+01
		H3SW	<1.02E+02	0.00E+00	1.73E+02
261978	6/3/2013 - 7/1/2013	Mn-54	<5.29E+00	0.00E+00	5.29E+00
		Co-58	<7.95E+00	0.00E+00	7.95E+00
		Fe-59	<1.19E+01	0.00E+00	1.19E+01
		Co-60	<6.26E+00	0.00E+00	6.26E+00
		Zn-65	<1.25E+01	0.00E+00	1.25E+01
		Zr-95	<1.28E+01	0.00E+00	1.28E+01
		Nb-95	<8.67E+00	0.00E+00	8.67E+00
		I-131	<1.20E+01	0.00E+00	1.20E+01
		Cs-134	<6.66E+00	0.00E+00	6.66E+00
		Cs-137	<6.93E+00	0.00E+00	6.93E+00
		BaLa-140	<7.49E+00	0.00E+00	7.49E+00
		Be-7	<4.55E+01	0.00E+00	4.55E+01
		K-40	3.85E+02	4.11E+01	7.12E+01
		H3SW	<2.40E+00	0.00E+00	1.81E+02
265047	7/1/2013 - 8/1/2013	Mn-54	<2.86E+00	0.00E+00	2.86E+00
		Co-58	<2.66E+00	0.00E+00	2.66E+00
		Fe-59	<6.11E+00	0.00E+00	6.11E+00
		Co-60	<3.18E+00	0.00E+00	3.18E+00
		Zn-65	<6.78E+00	0.00E+00	6.78E+00
		Zr-95	<5.46E+00	0.00E+00	5.46E+00
		Nb-95	<3.80E+00	0.00E+00	3.80E+00
		I-131	<1.30E+01	0.00E+00	1.30E+01
		Cs-134	<2.26E+00	0.00E+00	2.26E+00
		Cs-137	<2.36E+00	0.00E+00	2.36E+00
		BaLa-140	<9.10E+00	0.00E+00	9.10E+00
		Be-7	<2.52E+01	0.00E+00	2.52E+01
		K-40	1.60E+02	2.11E+01	2.94E+01
		H3SW	2.86E+02	5.95E+01	1.80E+02
269516	8/1/2013 - 9/3/2013	Mn-54	<4.77E+00	0.00E+00	4.77E+00
		Co-58	<3.61E+00	0.00E+00	3.61E+00
		Fe-59	<8.25E+00	0.00E+00	8.25E+00
		Co-60	<6.53E+00	0.00E+00	6.53E+00
		Zn-65	<1.02E+01	0.00E+00	1.02E+01
		Zr-95	<9.24E+00	0.00E+00	9.24E+00
		Nb-95	<5.36E+00	0.00E+00	5.36E+00
		I-131	<6.13E+00	0.00E+00	6.13E+00
		Cs-134	<3.94E+00	0.00E+00	3.94E+00
		Cs-137	<5.14E+00	0.00E+00	5.14E+00
		BaLa-140	<5.68E+00	0.00E+00	5.68E+00
		Be-7	<4.05E+01	0.00E+00	4.05E+01
		K-40	2.60E+02	4.00E+01	6.36E+01
		H3SW	<6.96E+01	0.00E+00	1.76E+02
272381	9/3/2013 - 10/1/2013	Mn-54	<3.82E+00	0.00E+00	3.82E+00
		Co-58	<4.64E+00	0.00E+00	4.64E+00
		Fe-59	<9.15E+00	0.00E+00	9.15E+00
		Co-60	<2.89E+00	0.00E+00	2.89E+00
		Zn-65	<8.38E+00	0.00E+00	8.38E+00
		Zr-95	<6.19E+00	0.00E+00	6.19E+00
		Nb-95	<5.52E+00	0.00E+00	5.52E+00
		I-131	<1.45E+01	0.00E+00	1.45E+01
		Cs-134	<3.28E+00	0.00E+00	3.28E+00
		Cs-137	<4.25E+00	0.00E+00	4.25E+00
		BaLa-140	<5.90E+00	0.00E+00	5.90E+00
		Be-7	<3.28E+01	0.00E+00	3.28E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 401 [INDICATOR - SSW @ 4.9 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
272381	9/3/2013 - 10/1/2013	K-40	4.37E+02	3.19E+01	3.28E+01
		H3SW	<-3.7E+01	0.00E+00	1.98E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
275245	10/1/2013 - 11/4/2013	Mn-54	<2.96E+00	0.00E+00	2.96E+00
		Co-58	<3.26E+00	0.00E+00	3.26E+00
		Fe-59	<5.31E+00	0.00E+00	5.31E+00
		Co-60	<3.47E+00	0.00E+00	3.47E+00
		Zn-65	<6.58E+00	0.00E+00	6.58E+00
		Zr-95	<6.63E+00	0.00E+00	6.63E+00
		Nb-95	<4.19E+00	0.00E+00	4.19E+00
		I-131	<1.45E+01	0.00E+00	1.45E+01
		Cs-134	<2.68E+00	0.00E+00	2.68E+00
		Cs-137	<2.83E+00	0.00E+00	2.83E+00
		BaLa-140	<9.14E+00	0.00E+00	9.14E+00
		Be-7	<2.86E+01	0.00E+00	2.86E+01
		K-40	3.69E+02	3.16E+01	3.49E+01
		H3SW	<2.36E+01	0.00E+00	1.79E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
279510	11/4/2013 - 12/2/2013	Mn-54	<3.24E+00	0.00E+00	3.24E+00
		Co-58	<2.97E+00	0.00E+00	2.97E+00
		Fe-59	<7.57E+00	0.00E+00	7.57E+00
		Co-60	<4.25E+00	0.00E+00	4.25E+00
		Zn-65	<7.15E+00	0.00E+00	7.15E+00
		Zr-95	<6.46E+00	0.00E+00	6.46E+00
		Nb-95	<4.17E+00	0.00E+00	4.17E+00
		I-131	<1.43E+01	0.00E+00	1.43E+01
		Cs-134	<2.92E+00	0.00E+00	2.92E+00
		Cs-137	<3.52E+00	0.00E+00	3.52E+00
		BaLa-140	<8.11E+00	0.00E+00	8.11E+00
		Be-7	<3.32E+01	0.00E+00	3.32E+01
		K-40	3.59E+02	3.31E+01	3.10E+01
		H3SW	<1.95E+02	0.00E+00	2.00E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
281307	12/2/2013 - 1/2/2014	Mn-54	<1.89E+00	0.00E+00	1.89E+00
		Co-58	<2.40E+00	0.00E+00	2.40E+00
		Fe-59	<4.52E+00	0.00E+00	4.52E+00
		Co-60	<2.45E+00	0.00E+00	2.45E+00
		Zn-65	<4.70E+00	0.00E+00	4.70E+00
		Zr-95	<4.61E+00	0.00E+00	4.61E+00
		Nb-95	<2.74E+00	0.00E+00	2.74E+00
		I-131	<1.13E+01	0.00E+00	1.13E+01
		Cs-134	<1.91E+00	0.00E+00	1.91E+00
		Cs-137	<2.13E+00	0.00E+00	2.13E+00
		BaLa-140	<6.10E+00	0.00E+00	6.10E+00
		Be-7	<2.20E+01	0.00E+00	2.20E+01
		K-40	2.92E+02	1.90E+01	1.96E+01
		H3SW	<-1.3E+02	0.00E+00	2.32E+02

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179115	1/7/2013 - 1/7/2013	H3SW	<2.69E+02	0.00E+00	2.69E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179116	1/8/2013 - 1/8/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD		
179117	1/15/2013 - 1/15/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01		
		Co-58	<1.50E+01	0.00E+00	1.50E+01		
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	<2.71E+02	0.00E+00	2.71E+02		
		179118	1/23/2013 - 1/23/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01		
Co-60	<1.50E+01			0.00E+00	1.50E+01		
Zn-65	<3.00E+01			0.00E+00	3.00E+01		
Zr-95	<1.50E+01			0.00E+00	1.50E+01		
Nb-95	<1.50E+01			0.00E+00	1.50E+01		
I-131	<1.50E+01			0.00E+00	1.50E+01		
Cs-134	<1.50E+01			0.00E+00	1.50E+01		
Cs-137	<1.80E+01			0.00E+00	1.80E+01		
BaLa-140	<1.50E+01			0.00E+00	1.50E+01		
H3SW	<2.68E+02			0.00E+00	2.68E+02		
186646	1/29/2013 - 1/29/2013			Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	2.95E+02	0.00E+00	2.00E+03		
		179120	2/4/2013 - 2/4/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01		
Co-60	<1.50E+01			0.00E+00	1.50E+01		
Zn-65	<3.00E+01			0.00E+00	3.00E+01		
Zr-95	<1.50E+01			0.00E+00	1.50E+01		
Nb-95	<1.50E+01			0.00E+00	1.50E+01		
I-131	<1.50E+01			0.00E+00	1.50E+01		
Cs-134	<1.50E+01			0.00E+00	1.50E+01		
Cs-137	<1.80E+01			0.00E+00	1.80E+01		
BaLa-140	<1.50E+01			0.00E+00	1.50E+01		
H3SW	<2.63E+02			0.00E+00	2.63E+02		
179121	2/12/2013 - 2/12/2013			Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	<2.65E+02	0.00E+00	2.65E+02		

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD		
179122	2/19/2013 - 2/19/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01		
		Co-58	<1.50E+01	0.00E+00	1.50E+01		
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	<2.91E+02	0.00E+00	2.91E+02		
		179123	2/26/2013 - 2/26/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01		
Co-60	<1.50E+01			0.00E+00	1.50E+01		
Zn-65	<3.00E+01			0.00E+00	3.00E+01		
Zr-95	<1.50E+01			0.00E+00	1.50E+01		
Nb-95	<1.50E+01			0.00E+00	1.50E+01		
I-131	<1.50E+01			0.00E+00	1.50E+01		
Cs-134	<1.50E+01			0.00E+00	1.50E+01		
Cs-137	<1.80E+01			0.00E+00	1.80E+01		
BaLa-140	<1.50E+01			0.00E+00	1.50E+01		
H3SW	<2.68E+02			0.00E+00	2.68E+02		
186647	3/5/2013 - 3/5/2013			H3SW	3.06E+02	0.00E+00	2.00E+03
179125	3/12/2013 - 3/12/2013			Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01		
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	<2.68E+02	0.00E+00	2.68E+02		
		179126	3/15/2013 - 3/15/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01		
Co-60	<1.50E+01			0.00E+00	1.50E+01		
Zn-65	<3.00E+01			0.00E+00	3.00E+01		
Zr-95	<1.50E+01			0.00E+00	1.50E+01		
Nb-95	<1.50E+01			0.00E+00	1.50E+01		
I-131	<1.50E+01			0.00E+00	1.50E+01		
Cs-134	<1.50E+01			0.00E+00	1.50E+01		
Cs-137	<1.80E+01			0.00E+00	1.80E+01		
BaLa-140	<1.50E+01			0.00E+00	1.50E+01		
179127	3/19/2013 - 3/19/2013			Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179127	3/19/2013 - 3/19/2013	H3SW	<2.78E+02	0.00E+00	2.78E+02
179128	3/26/2013 - 3/26/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.70E+02	0.00E+00	2.70E+02
186648	4/2/2013 - 4/2/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	3.68E+02	0.00E+00	2.00E+03
179130	4/9/2013 - 4/9/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.70E+02	0.00E+00	2.70E+02
179131	4/16/2013 - 4/16/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.68E+02	0.00E+00	2.68E+02
179132	4/23/2013 - 4/23/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179132	4/23/2013 - 4/23/2013	BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.73E+02	0.00E+00	2.73E+02
179133	4/30/2013 - 4/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.75E+02	0.00E+00	2.75E+02
		179134	5/7/2013 - 5/7/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.71E+02			0.00E+00	2.71E+02
179135	5/14/2013 - 5/14/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.82E+02	0.00E+00	2.82E+02
		179136	5/22/2013 - 5/22/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.76E+02			0.00E+00	2.76E+02
179137	5/28/2013 - 5/28/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179137	5/28/2013 - 5/28/2013	Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.68E+02	0.00E+00	2.68E+02
179422	6/4/2013 - 6/4/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.77E+02	0.00E+00	2.77E+02
179423	6/11/2013 - 6/11/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.79E+02	0.00E+00	2.79E+02
179424	6/18/2013 - 6/18/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.80E+02	0.00E+00	2.80E+02
179425	6/25/2013 - 6/25/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.77E+02	0.00E+00	2.77E+02
179426	7/2/2013 - 7/2/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179426	7/2/2013 - 7/2/2013	Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.81E+02	0.00E+00	2.81E+02
179427	7/9/2013 - 7/9/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.76E+02	0.00E+00	2.76E+02
179428	7/16/2013 - 7/16/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.81E+02	0.00E+00	2.81E+02
179429	7/23/2013 - 7/23/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.81E+02	0.00E+00	2.81E+02
179430	7/30/2013 - 7/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.70E+02	0.00E+00	2.70E+02
179431	8/6/2013 - 8/6/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179431	8/6/2013 - 8/6/2013	I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.71E+02	0.00E+00	2.71E+02
179432	8/14/2013 - 8/14/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.64E+02	0.00E+00	2.64E+02
		186716	8/20/2013 - 8/20/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.83E+02			0.00E+00	2.83E+02
186717	8/27/2013 - 8/27/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.80E+02	0.00E+00	2.80E+02
		186718	9/4/2013 - 9/4/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.90E+02			0.00E+00	2.90E+02
186719	9/10/2013 - 9/10/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186719	9/10/2013 - 9/10/2013	Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.78E+02	0.00E+00	2.78E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186720	9/17/2013 - 9/17/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.82E+02	0.00E+00	2.82E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186721	9/24/2013 - 9/24/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.81E+02	0.00E+00	2.81E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186800	10/2/2013 - 10/2/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.85E+02	0.00E+00	2.85E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186801	10/9/2013 - 10/9/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.80E+02	0.00E+00	2.80E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186802	10/15/2013 - 10/15/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 494 [INDICATOR - - @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186802	10/15/2013 - 10/15/2013	Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.84E+02	0.00E+00	2.84E+02
186803	10/22/2013 - 10/22/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.78E+02	0.00E+00	2.78E+02
		186804	10/30/2013 - 10/30/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.77E+02			0.00E+00	2.77E+02
186871	11/6/2013 - 11/6/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.73E+02	0.00E+00	2.73E+02
		186872	11/12/2013 - 11/12/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.77E+02			0.00E+00	2.77E+02
186873	11/19/2013 - 11/19/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186873	11/19/2013 - 11/19/2013	Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.75E+02	0.00E+00	2.75E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186874	11/26/2013 - 11/26/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.76E+02	0.00E+00	2.76E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186875	12/3/2013 - 12/3/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.82E+02	0.00E+00	2.82E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186876	12/10/2013 - 12/10/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.80E+02	0.00E+00	2.80E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186877	12/17/2013 - 12/17/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.79E+02	0.00E+00	2.79E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186878	12/24/2013 - 12/24/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186878	12/24/2013 - 12/24/2013	Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.81E+02	0.00E+00	2.81E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186879	12/31/2013 - 12/31/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.89E+02	0.00E+00	2.89E+02

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179138	1/7/2013 - 1/7/2013	H3SW	<2.70E+02	0.00E+00	2.70E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179139	1/15/2013 - 1/15/2013	H3SW	<2.69E+02	0.00E+00	2.69E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179140	1/23/2013 - 1/23/2013	H3SW	<2.63E+02	0.00E+00	2.63E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179141	1/29/2013 - 1/29/2013	H3SW	<2.67E+02	0.00E+00	2.67E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179142	1/31/2013 - 1/31/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179143	2/4/2013 - 2/4/2013	H3SW	<2.70E+02	0.00E+00	2.70E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179144	2/12/2013 - 2/12/2013	H3SW	<2.64E+02	0.00E+00	2.64E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186649	2/19/2013 - 2/19/2013	H3SW	1.28E+03	0.00E+00	2.00E+03

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179146	2/26/2013 - 2/26/2013	H3SW	<2.70E+02	0.00E+00	2.70E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179147	2/28/2013 - 2/28/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179147	2/28/2013 - 2/28/2013	I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
179148	3/5/2013 - 3/5/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.70E+02	0.00E+00	2.70E+02
179149	3/12/2013 - 3/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.69E+02	0.00E+00	2.69E+02
179150	3/19/2013 - 3/19/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.80E+02	0.00E+00	2.80E+02
179151	3/26/2013 - 3/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.71E+02	0.00E+00	2.71E+02
179152	3/28/2013 - 3/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
179153	4/2/2013 - 4/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.75E+02	0.00E+00	2.75E+02
179154	4/9/2013 - 4/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.68E+02	0.00E+00	2.68E+02
179155	4/16/2013 - 4/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.73E+02	0.00E+00	2.73E+02
179156	4/23/2013 - 4/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.74E+02	0.00E+00	2.74E+02
179157	4/30/2013 - 4/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
179158	5/7/2013 - 5/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.71E+02	0.00E+00	2.71E+02
179159	5/14/2013 - 5/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.77E+02	0.00E+00	2.77E+02
179160	5/22/2013 - 5/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.80E+02	0.00E+00	2.80E+02
179161	5/28/2013 - 5/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179161	5/28/2013 - 5/28/2013	Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.83E+02	0.00E+00	2.83E+02
179433	6/4/2013 - 6/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.77E+02	0.00E+00	2.77E+02
179434	6/11/2013 - 6/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.84E+02	0.00E+00	2.84E+02
179435	6/18/2013 - 6/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.77E+02	0.00E+00	2.77E+02
179436	6/25/2013 - 6/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.81E+02	0.00E+00	2.81E+02
179437	7/2/2013 - 7/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.81E+02	0.00E+00	2.81E+02
179438	7/9/2013 - 7/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.72E+02	0.00E+00	2.72E+02
179439	7/16/2013 - 7/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.76E+02	0.00E+00	2.76E+02
179440	7/23/2013 - 7/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.80E+02	0.00E+00	2.80E+02
179441	7/30/2013 - 7/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.68E+02	0.00E+00	2.68E+02
179442	8/6/2013 - 8/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.71E+02	0.00E+00	2.71E+02
179443	8/13/2013 - 8/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.68E+02	0.00E+00	2.68E+02
186722	8/20/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.80E+02	0.00E+00	2.80E+02
186723	8/27/2013 - 8/27/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186723	8/27/2013 - 8/27/2013	Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.84E+02	0.00E+00	2.84E+02
186724	9/4/2013 - 9/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.90E+02	0.00E+00	2.90E+02
186725	9/10/2013 - 9/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.78E+02	0.00E+00	2.78E+02
186726	9/17/2013 - 9/17/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.82E+02	0.00E+00	2.82E+02
186727	9/24/2013 - 9/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				H3SW	<2.81E+02
186805	10/2/2013 - 10/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.77E+02	0.00E+00	2.77E+02
186806	10/9/2013 - 10/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.79E+02	0.00E+00	2.79E+02
186807	10/15/2013 - 10/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.76E+02	0.00E+00	2.76E+02
186808	10/22/2013 - 10/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.76E+02	0.00E+00	2.76E+02
186809	10/30/2013 - 10/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				H3SW	<2.78E+02
186880	11/6/2013 - 11/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.79E+02	0.00E+00	2.79E+02
186881	11/12/2013 - 11/12/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.68E+02	0.00E+00	2.68E+02
186882	11/19/2013 - 11/19/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.81E+02	0.00E+00	2.81E+02
186883	11/26/2013 - 11/26/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186883	11/26/2013 - 11/26/2013	Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.84E+02	0.00E+00	2.84E+02
		186884	12/3/2013 - 12/3/2013	H3SW	<2.79E+02
186885	12/10/2013 - 12/10/2013	H3SW	<2.80E+02	0.00E+00	2.80E+02
186886	12/17/2013 - 12/17/2013	H3SW	<2.80E+02	0.00E+00	2.80E+02
186887	12/24/2013 - 12/24/2013	H3SW	<2.76E+02	0.00E+00	2.76E+02
186888	12/31/2013 - 12/31/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.86E+02	0.00E+00	2.86E+02

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179162	1/7/2013 - 1/7/2013	H3SW	<2.69E+02	0.00E+00	2.69E+02
179163	1/15/2013 - 1/15/2013	H3SW	<2.65E+02	0.00E+00	2.65E+02
179164	1/23/2013 - 1/23/2013	H3SW	<2.65E+02	0.00E+00	2.65E+02
179165	1/29/2013 - 1/29/2013	H3SW	<2.67E+02	0.00E+00	2.67E+02
179166	1/31/2013 - 1/31/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		179167	2/4/2013 - 2/4/2013	H3SW	<2.75E+02
179168	2/12/2013 - 2/12/2013	H3SW	<2.64E+02	0.00E+00	2.64E+02
186650	2/19/2013 - 2/19/2013	H3SW	1.29E+03	0.00E+00	2.00E+03

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179170	2/26/2013 - 2/26/2013	H3SW	<2.70E+02	0.00E+00	2.70E+02
179171	2/28/2013 - 2/28/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
179172	3/5/2013 - 3/5/2013	H3SW	<2.68E+02	0.00E+00	2.68E+02
179173	3/12/2013 - 3/12/2013	H3SW	<2.70E+02	0.00E+00	2.70E+02
179174	3/19/2013 - 3/19/2013	H3SW	<2.79E+02	0.00E+00	2.79E+02
179175	3/26/2013 - 3/26/2013	H3SW	<2.72E+02	0.00E+00	2.72E+02
179176	3/28/2013 - 3/28/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
179177	4/2/2013 - 4/2/2013	H3SW	<2.76E+02	0.00E+00	2.76E+02
179178	4/9/2013 - 4/9/2013	H3SW	<2.70E+02	0.00E+00	2.70E+02
179179	4/16/2013 - 4/16/2013	H3SW	<2.67E+02	0.00E+00	2.67E+02
179180	4/23/2013 - 4/23/2013	H3SW	<2.74E+02	0.00E+00	2.74E+02
179181	4/30/2013 - 4/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.72E+02	0.00E+00	2.72E+02
179182	5/7/2013 - 5/7/2013	H3SW	<2.69E+02	0.00E+00	2.69E+02
179183	5/14/2013 - 5/14/2013	H3SW	<2.76E+02	0.00E+00	2.76E+02

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179184	5/22/2013 - 5/22/2013	H3SW	<2.78E+02	0.00E+00	2.78E+02
179185	5/28/2013 - 5/28/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.84E+02	0.00E+00	2.84E+02
179444	6/4/2013 - 6/4/2013	H3SW	<2.79E+02	0.00E+00	2.79E+02
179445	6/11/2013 - 6/11/2013	H3SW	<2.80E+02	0.00E+00	2.80E+02
179446	6/18/2013 - 6/18/2013	H3SW	<2.77E+02	0.00E+00	2.77E+02
179447	6/25/2013 - 6/25/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.80E+02	0.00E+00	2.80E+02
292906	6/25/2013 - 6/25/2013	H3SW	<2.74E+02	0.00E+00	2.74E+02
179448	7/2/2013 - 7/2/2013	H3SW	<2.80E+02	0.00E+00	2.80E+02
179449	7/9/2013 - 7/9/2013	H3SW	<2.75E+02	0.00E+00	2.75E+02
179450	7/16/2013 - 7/16/2013	H3SW	<2.84E+02	0.00E+00	2.84E+02
179451	7/23/2013 - 7/23/2013	H3SW	<2.80E+02	0.00E+00	2.80E+02
179452	7/30/2013 - 7/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.69E+02	0.00E+00	2.69E+02
179453	8/6/2013 - 8/6/2013	H3SW	<2.71E+02	0.00E+00	2.71E+02

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179454	8/13/2013 - 8/13/2013	H3SW	<2.78E+02	0.00E+00	2.78E+02
186728	8/20/2013 - 8/20/2013	H3SW	<2.82E+02	0.00E+00	2.82E+02
186729	8/27/2013 - 8/27/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.76E+02	0.00E+00	2.76E+02
186730	9/4/2013 - 9/4/2013	H3SW	<2.85E+02	0.00E+00	2.85E+02
186731	9/10/2013 - 9/10/2013	H3SW	<2.73E+02	0.00E+00	2.73E+02
186732	9/17/2013 - 9/17/2013	H3SW	<2.82E+02	0.00E+00	2.82E+02
186733	9/24/2013 - 9/24/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.80E+02	0.00E+00	2.80E+02
186810	10/2/2013 - 10/2/2013	H3SW	<2.79E+02	0.00E+00	2.79E+02
186811	10/9/2013 - 10/9/2013	H3SW	<2.82E+02	0.00E+00	2.82E+02
186812	10/15/2013 - 10/15/2013	H3SW	<2.78E+02	0.00E+00	2.78E+02
186813	10/22/2013 - 10/22/2013	H3SW	<2.75E+02	0.00E+00	2.75E+02
186814	10/30/2013 - 10/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.78E+02	0.00E+00	2.78E+02
186889	11/6/2013 - 11/6/2013	H3SW	<2.78E+02	0.00E+00	2.78E+02

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186890	11/12/2013 - 11/12/2013	H3SW	<2.70E+02	0.00E+00	2.70E+02
186891	11/19/2013 - 11/19/2013	H3SW	<2.80E+02	0.00E+00	2.80E+02
186892	11/26/2013 - 11/26/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.82E+02	0.00E+00	2.82E+02
186893	12/3/2013 - 12/3/2013	H3SW	<2.81E+02	0.00E+00	2.81E+02
186894	12/10/2013 - 12/10/2013	H3SW	<2.72E+02	0.00E+00	2.72E+02
186895	12/17/2013 - 12/17/2013	H3SW	<2.82E+02	0.00E+00	2.82E+02
186896	12/24/2013 - 12/24/2013	H3SW	<2.75E+02	0.00E+00	2.75E+02
186897	12/31/2013 - 12/31/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.84E+02	0.00E+00	2.84E+02

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179186	1/7/2013 - 1/7/2013	H3SW	<2.70E+02	0.00E+00	2.70E+02
179187	1/15/2013 - 1/15/2013	H3SW	<2.68E+02	0.00E+00	2.68E+02
179188	1/23/2013 - 1/23/2013	H3SW	<2.65E+02	0.00E+00	2.65E+02
179189	1/29/2013 - 1/29/2013	H3SW	<2.67E+02	0.00E+00	2.67E+02
179190	1/31/2013 - 1/31/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179190	1/31/2013 - 1/31/2013	BaLa-140	<1.50E+01	0.00E+00	1.50E+01
179191	2/4/2013 - 2/4/2013	H3SW	<2.70E+02	0.00E+00	2.70E+02
179192	2/12/2013 - 2/12/2013	H3SW	<2.63E+02	0.00E+00	2.63E+02
179193	2/19/2013 - 2/19/2013	H3SW	<3.97E+02	0.00E+00	3.97E+02
179194	2/26/2013 - 2/26/2013	H3SW	<2.71E+02	0.00E+00	2.71E+02
179195	2/28/2013 - 2/28/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
179196	3/5/2013 - 3/5/2013	H3SW	<2.68E+02	0.00E+00	2.68E+02
179197	3/12/2013 - 3/12/2013	H3SW	<2.71E+02	0.00E+00	2.71E+02
179198	3/19/2013 - 3/19/2013	H3SW	<2.79E+02	0.00E+00	2.79E+02
179199	3/26/2013 - 3/26/2013	H3SW	<2.68E+02	0.00E+00	2.68E+02
179200	3/28/2013 - 3/28/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
179201	4/2/2013 - 4/2/2013	H3SW	<2.76E+02	0.00E+00	2.76E+02
179202	4/9/2013 - 4/9/2013	H3SW	<2.75E+02	0.00E+00	2.75E+02
179203	4/16/2013 - 4/16/2013	H3SW	<2.67E+02	0.00E+00	2.67E+02
179204	4/23/2013 - 4/23/2013	H3SW	<2.74E+02	0.00E+00	2.74E+02
179205	4/30/2013 - 4/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179205	4/30/2013 - 4/30/2013	Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.71E+02	0.00E+00	2.71E+02
179206	5/7/2013 - 5/7/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.80E+02	0.00E+00	2.80E+02
179207	5/14/2013 - 5/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.76E+02	0.00E+00	2.76E+02
179208	5/22/2013 - 5/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.79E+02	0.00E+00	2.79E+02
179209	5/28/2013 - 5/28/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.81E+02	0.00E+00	2.81E+02
		179455	6/4/2013 - 6/4/2013	Nuclide	Activity
H3SW	<2.79E+02			0.00E+00	2.79E+02
179456	6/11/2013 - 6/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.76E+02	0.00E+00	2.76E+02
179457	6/18/2013 - 6/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.77E+02	0.00E+00	2.77E+02
179458	6/25/2013 - 6/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.75E+02	0.00E+00	2.75E+02
		179459	7/2/2013 - 7/2/2013	Nuclide	Activity
H3SW	<2.74E+02			0.00E+00	2.74E+02
179460	7/9/2013 - 7/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.73E+02	0.00E+00	2.73E+02
179461	7/16/2013 - 7/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.83E+02	0.00E+00	2.83E+02
179462	7/23/2013 - 7/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.81E+02	0.00E+00	2.81E+02
179463	7/30/2013 - 7/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179463	7/30/2013 - 7/30/2013	Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.71E+02	0.00E+00	2.71E+02
179464	8/6/2013 - 8/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.72E+02	0.00E+00	2.72E+02
179465	8/13/2013 - 8/13/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.70E+02	0.00E+00	2.70E+02
186734	8/20/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.81E+02	0.00E+00	2.81E+02
186735	8/27/2013 - 8/27/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.76E+02	0.00E+00	2.76E+02
186736	9/4/2013 - 9/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.79E+02	0.00E+00	2.79E+02
186737	9/10/2013 - 9/10/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.73E+02	0.00E+00	2.73E+02
186738	9/17/2013 - 9/17/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.86E+02	0.00E+00	2.86E+02
186739	9/24/2013 - 9/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.79E+02	0.00E+00	2.79E+02
186815	10/2/2013 - 10/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.78E+02	0.00E+00	2.78E+02
186816	10/9/2013 - 10/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.81E+02	0.00E+00	2.81E+02
186817	10/15/2013 - 10/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.80E+02	0.00E+00	2.80E+02
186818	10/22/2013 - 10/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.73E+02	0.00E+00	2.73E+02
186819	10/30/2013 - 10/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186819	10/30/2013 - 10/30/2013	Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.77E+02	0.00E+00	2.77E+02
186898	11/6/2013 - 11/6/2013	H3SW	<2.77E+02	0.00E+00	2.77E+02
186899	11/12/2013 - 11/12/2013	H3SW	<2.70E+02	0.00E+00	2.70E+02
186900	11/19/2013 - 11/19/2013	H3SW	<2.81E+02	0.00E+00	2.81E+02
186901	11/26/2013 - 11/26/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.82E+02	0.00E+00	2.82E+02
186902	12/3/2013 - 12/3/2013	H3SW	<2.80E+02	0.00E+00	2.80E+02
186903	12/10/2013 - 12/10/2013	H3SW	<2.73E+02	0.00E+00	2.73E+02
186904	12/17/2013 - 12/17/2013	H3SW	<2.84E+02	0.00E+00	2.84E+02
186905	12/24/2013 - 12/24/2013	H3SW	<2.78E+02	0.00E+00	2.78E+02
186906	12/31/2013 - 12/31/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.78E+02	0.00E+00	2.78E+02

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179210	1/7/2013 - 1/7/2013	H3SW	<2.71E+02	0.00E+00	2.71E+02
179211	1/15/2013 - 1/15/2013	H3SW	<2.66E+02	0.00E+00	2.66E+02
179212	1/23/2013 - 1/23/2013	H3SW	<2.66E+02	0.00E+00	2.66E+02
179213	1/29/2013 - 1/29/2013	H3SW	<2.67E+02	0.00E+00	2.67E+02

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179214	1/31/2013 - 1/31/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		179215	2/4/2013 - 2/4/2013	H3SW	<2.72E+02
179216	2/12/2013 - 2/12/2013	H3SW	<2.62E+02	0.00E+00	2.62E+02
186651	2/19/2013 - 2/19/2013	H3SW	4.86E+02	0.00E+00	2.00E+03
179218	2/26/2013 - 2/26/2013	H3SW	<2.71E+02	0.00E+00	2.71E+02
179219	2/28/2013 - 2/28/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		179220	3/5/2013 - 3/5/2013	H3SW	<2.68E+02
179221	3/12/2013 - 3/12/2013	H3SW	<2.70E+02	0.00E+00	2.70E+02
179222	3/19/2013 - 3/19/2013	H3SW	<2.69E+02	0.00E+00	2.69E+02
179223	3/26/2013 - 3/26/2013	H3SW	<2.71E+02	0.00E+00	2.71E+02
179224	3/28/2013 - 3/28/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		179225	4/2/2013 - 4/2/2013	H3SW	<2.76E+02
179226	4/9/2013 - 4/9/2013	H3SW	<2.74E+02	0.00E+00	2.74E+02
179227	4/16/2013 - 4/16/2013	H3SW	<2.79E+02	0.00E+00	2.79E+02

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179228	4/23/2013 - 4/23/2013	H3SW	<2.73E+02	0.00E+00	2.73E+02
179229	4/30/2013 - 4/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.72E+02	0.00E+00	2.72E+02
179230	5/7/2013 - 5/7/2013	H3SW	<2.85E+02	0.00E+00	2.85E+02
179231	5/14/2013 - 5/14/2013	H3SW	<2.70E+02	0.00E+00	2.70E+02
179232	5/22/2013 - 5/22/2013	H3SW	<2.84E+02	0.00E+00	2.84E+02
179233	5/28/2013 - 5/28/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.80E+02	0.00E+00	2.80E+02
179466	6/4/2013 - 6/4/2013	H3SW	<2.78E+02	0.00E+00	2.78E+02
179467	6/11/2013 - 6/11/2013	H3SW	<2.71E+02	0.00E+00	2.71E+02
179468	6/18/2013 - 6/18/2013	H3SW	<2.77E+02	0.00E+00	2.77E+02
179469	6/25/2013 - 6/25/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.76E+02	0.00E+00	2.76E+02
179470	7/2/2013 - 7/2/2013	H3SW	<2.77E+02	0.00E+00	2.77E+02
179471	7/9/2013 - 7/9/2013	H3SW	<2.75E+02	0.00E+00	2.75E+02
179472	7/16/2013 - 7/16/2013	H3SW	<2.81E+02	0.00E+00	2.81E+02

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179473	7/23/2013 - 7/23/2013	H3SW	<2.82E+02	0.00E+00	2.82E+02
179474	7/30/2013 - 7/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.94E+02	0.00E+00	2.94E+02
179475	8/6/2013 - 8/6/2013	H3SW	<2.87E+02	0.00E+00	2.87E+02
179476	8/13/2013 - 8/13/2013	H3SW	<2.72E+02	0.00E+00	2.72E+02
186740	8/20/2013 - 8/20/2013	H3SW	<2.75E+02	0.00E+00	2.75E+02
186741	8/27/2013 - 8/27/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.75E+02	0.00E+00	2.75E+02
186742	9/4/2013 - 9/4/2013	H3SW	<2.79E+02	0.00E+00	2.79E+02
186743	9/10/2013 - 9/10/2013	H3SW	<2.76E+02	0.00E+00	2.76E+02
186744	9/17/2013 - 9/17/2013	H3SW	<2.85E+02	0.00E+00	2.85E+02
186745	9/24/2013 - 9/24/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.77E+02	0.00E+00	2.77E+02
186820	10/2/2013 - 10/2/2013	H3SW	<2.81E+02	0.00E+00	2.81E+02
186821	10/9/2013 - 10/9/2013	H3SW	<2.83E+02	0.00E+00	2.83E+02
186822	10/15/2013 - 10/15/2013	H3SW	<2.79E+02	0.00E+00	2.79E+02

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186823	10/22/2013 - 10/22/2013	H3SW	<2.76E+02	0.00E+00	2.76E+02
186824	10/30/2013 - 10/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.73E+02	0.00E+00	2.73E+02
186907	11/6/2013 - 11/6/2013	H3SW	<2.77E+02	0.00E+00	2.77E+02
186908	11/12/2013 - 11/12/2013	H3SW	<2.72E+02	0.00E+00	2.72E+02
186909	11/19/2013 - 11/19/2013	H3SW	<2.80E+02	0.00E+00	2.80E+02
186910	11/26/2013 - 11/26/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.82E+02	0.00E+00	2.82E+02
186911	12/3/2013 - 12/3/2013	H3SW	<2.80E+02	0.00E+00	2.80E+02
186912	12/10/2013 - 12/10/2013	H3SW	<2.72E+02	0.00E+00	2.72E+02
186913	12/17/2013 - 12/17/2013	H3SW	<2.84E+02	0.00E+00	2.84E+02
186914	12/24/2013 - 12/24/2013	H3SW	<2.77E+02	0.00E+00	2.77E+02
186915	12/31/2013 - 12/31/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.81E+02	0.00E+00	2.81E+02

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179234	1/7/2013 - 1/7/2013	H3SW	<2.70E+02	0.00E+00	2.70E+02

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179235	1/15/2013 - 1/15/2013	H3SW	<2.67E+02	0.00E+00	2.67E+02
179236	1/23/2013 - 1/23/2013	H3SW	<2.66E+02	0.00E+00	2.66E+02
179237	1/29/2013 - 1/29/2013	H3SW	<2.68E+02	0.00E+00	2.68E+02
179238	1/31/2013 - 1/31/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
179239	2/4/2013 - 2/4/2013	H3SW	<2.70E+02	0.00E+00	2.70E+02
179240	2/12/2013 - 2/12/2013	H3SW	<2.63E+02	0.00E+00	2.63E+02
179241	2/19/2013 - 2/19/2013	H3SW	<2.71E+02	0.00E+00	2.71E+02
179242	2/26/2013 - 2/26/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.70E+02	0.00E+00	2.70E+02
179243	3/5/2013 - 3/5/2013	H3SW	<2.68E+02	0.00E+00	2.68E+02
179244	3/12/2013 - 3/12/2013	H3SW	<2.70E+02	0.00E+00	2.70E+02
179245	3/19/2013 - 3/19/2013	H3SW	<2.69E+02	0.00E+00	2.69E+02
179246	3/26/2013 - 3/26/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.70E+02	0.00E+00	2.70E+02
179247	4/2/2013 - 4/2/2013	H3SW	<2.72E+02	0.00E+00	2.72E+02

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179248	4/9/2013 - 4/9/2013	H3SW	<2.74E+02	0.00E+00	2.74E+02
179249	4/16/2013 - 4/16/2013	H3SW	<2.66E+02	0.00E+00	2.66E+02
179250	4/23/2013 - 4/23/2013	H3SW	<2.73E+02	0.00E+00	2.73E+02
179251	4/30/2013 - 4/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.64E+02	0.00E+00	2.64E+02
179252	5/7/2013 - 5/7/2013	H3SW	<2.78E+02	0.00E+00	2.78E+02
179253	5/14/2013 - 5/14/2013	H3SW	<2.72E+02	0.00E+00	2.72E+02
179254	5/22/2013 - 5/22/2013	H3SW	<2.58E+02	0.00E+00	2.58E+02
179255	5/28/2013 - 5/28/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.71E+02	0.00E+00	2.71E+02
179477	6/4/2013 - 6/4/2013	H3SW	<2.81E+02	0.00E+00	2.81E+02
179478	6/11/2013 - 6/11/2013	H3SW	<2.72E+02	0.00E+00	2.72E+02
179479	6/18/2013 - 6/18/2013	H3SW	<2.76E+02	0.00E+00	2.76E+02
179480	6/25/2013 - 6/25/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.78E+02	0.00E+00	2.78E+02
179481	7/2/2013 - 7/2/2013	H3SW	<2.80E+02	0.00E+00	2.80E+02

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179482	7/9/2013 - 7/9/2013	H3SW	<2.71E+02	0.00E+00	2.71E+02
179483	7/16/2013 - 7/16/2013	H3SW	<2.81E+02	0.00E+00	2.81E+02
179484	7/23/2013 - 7/23/2013	H3SW	<2.86E+02	0.00E+00	2.86E+02
179485	7/30/2013 - 7/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.73E+02	0.00E+00	2.73E+02
179486	8/6/2013 - 8/6/2013	H3SW	<2.73E+02	0.00E+00	2.73E+02
179487	8/13/2013 - 8/13/2013	H3SW	<2.70E+02	0.00E+00	2.70E+02
186746	8/20/2013 - 8/20/2013	H3SW	<2.81E+02	0.00E+00	2.81E+02
186747	8/27/2013 - 8/27/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.75E+02	0.00E+00	2.75E+02
186748	9/4/2013 - 9/4/2013	H3SW	<2.80E+02	0.00E+00	2.80E+02
186749	9/10/2013 - 9/10/2013	H3SW	<2.77E+02	0.00E+00	2.77E+02
186750	9/17/2013 - 9/17/2013	H3SW	<2.85E+02	0.00E+00	2.85E+02
186751	9/24/2013 - 9/24/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.77E+02	0.00E+00	2.77E+02
186825	10/2/2013 - 10/2/2013	H3SW	<2.83E+02	0.00E+00	2.83E+02

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186826	10/9/2013 - 10/9/2013	H3SW	<2.82E+02	0.00E+00	2.82E+02
186827	10/15/2013 - 10/15/2013	H3SW	<2.81E+02	0.00E+00	2.81E+02
186828	10/22/2013 - 10/22/2013	H3SW	<2.76E+02	0.00E+00	2.76E+02
186829	10/30/2013 - 10/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.76E+02	0.00E+00	2.76E+02
186916	11/6/2013 - 11/6/2013	H3SW	<2.74E+02	0.00E+00	2.74E+02
186917	11/12/2013 - 11/12/2013	H3SW	<2.71E+02	0.00E+00	2.71E+02
186918	11/19/2013 - 11/19/2013	H3SW	<2.77E+02	0.00E+00	2.77E+02
186919	11/26/2013 - 11/26/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.81E+02	0.00E+00	2.81E+02
186920	12/3/2013 - 12/3/2013	H3SW	<2.72E+02	0.00E+00	2.72E+02
186921	12/10/2013 - 12/10/2013	H3SW	<2.72E+02	0.00E+00	2.72E+02
186922	12/17/2013 - 12/17/2013	H3SW	<2.83E+02	0.00E+00	2.83E+02
186923	12/24/2013 - 12/24/2013	H3SW	<2.84E+02	0.00E+00	2.84E+02
186924	12/31/2013 - 12/31/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.80E+02	0.00E+00	2.80E+02

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186652	1/7/2013 - 1/7/2013	H3SW	1.84E+03	0.00E+00	2.00E+03
179257	1/8/2013 - 1/8/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
179258	1/15/2013 - 1/15/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.70E+02	0.00E+00	2.70E+02
186653	1/23/2013 - 1/23/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	1.19E+03	0.00E+00	2.00E+03
186654	1/29/2013 - 1/29/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	8.25E+02	0.00E+00	2.00E+03
186655	2/4/2013 - 2/4/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186655	2/4/2013 - 2/4/2013	H3SW	1.03E+03	0.00E+00	2.00E+03
186656	2/12/2013 - 2/12/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	2.17E+03	0.00E+00	2.00E+03
		186657	2/19/2013 - 2/19/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	2.24E+03			0.00E+00	2.00E+03
186658	2/26/2013 - 2/26/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	4.25E+02	0.00E+00	2.00E+03
		186659	3/5/2013 - 3/5/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	4.61E+02			0.00E+00	2.00E+03
186660	3/12/2013 - 3/12/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD		
186660	3/12/2013 - 3/12/2013	BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	9.70E+02	0.00E+00	2.00E+03		
186661	3/19/2013 - 3/19/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01		
		Co-58	<1.50E+01	0.00E+00	1.50E+01		
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	4.12E+03	0.00E+00	2.00E+03		
		186662	3/26/2013 - 3/26/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01		
Co-60	<1.50E+01			0.00E+00	1.50E+01		
Zn-65	<3.00E+01			0.00E+00	3.00E+01		
Zr-95	<1.50E+01			0.00E+00	1.50E+01		
Nb-95	<1.50E+01			0.00E+00	1.50E+01		
I-131	<1.50E+01			0.00E+00	1.50E+01		
Cs-134	<1.50E+01			0.00E+00	1.50E+01		
Cs-137	<1.80E+01			0.00E+00	1.80E+01		
BaLa-140	<1.50E+01			0.00E+00	1.50E+01		
H3SW	3.00E+03			0.00E+00	2.00E+03		
186663	4/2/2013 - 4/2/2013			Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	1.06E+03	0.00E+00	2.00E+03		
		186664	4/9/2013 - 4/9/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01		
Co-60	<1.50E+01			0.00E+00	1.50E+01		
Zn-65	<3.00E+01			0.00E+00	3.00E+01		
Zr-95	<1.50E+01			0.00E+00	1.50E+01		
Nb-95	<1.50E+01			0.00E+00	1.50E+01		
I-131	<1.50E+01			0.00E+00	1.50E+01		
Cs-134	<1.50E+01			0.00E+00	1.50E+01		
Cs-137	<1.80E+01			0.00E+00	1.80E+01		
BaLa-140	<1.50E+01			0.00E+00	1.50E+01		
H3SW	4.74E+02			0.00E+00	2.00E+03		
186665	4/16/2013 - 4/16/2013			Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186665	4/16/2013 - 4/16/2013	Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	5.28E+02	0.00E+00	2.00E+03
186666	4/23/2013 - 4/23/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	2.78E+02	0.00E+00	2.00E+03
		186667	4/30/2013 - 4/30/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	7.64E+02			0.00E+00	2.00E+03
186668	5/7/2013 - 5/7/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	5.12E+02	0.00E+00	2.00E+03
		186669	5/14/2013 - 5/14/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	1.04E+03			0.00E+00	2.00E+03
186670	5/22/2013 - 5/22/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186670	5/22/2013 - 5/22/2013	Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	4.59E+02	0.00E+00	2.00E+03
186671	5/28/2013 - 5/28/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	3.12E+02	0.00E+00	2.00E+03
186698	6/4/2013 - 6/4/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	5.15E+02	0.00E+00	2.00E+03
		186699	6/11/2013 - 6/11/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	3.33E+02			0.00E+00	2.00E+03
186700	6/18/2013 - 6/18/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	2.96E+02	0.00E+00	2.00E+03
		179491	6/25/2013 - 6/25/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179491	6/25/2013 - 6/25/2013	I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.78E+02	0.00E+00	2.78E+02
186701	7/2/2013 - 7/2/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	1.22E+03	0.00E+00	2.00E+03
179493	7/9/2013 - 7/9/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.76E+02	0.00E+00	2.76E+02
186702	7/16/2013 - 7/16/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	5.24E+02	0.00E+00	2.00E+03
179495	7/23/2013 - 7/23/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.82E+02	0.00E+00	2.82E+02
186703	7/30/2013 - 7/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD		
186703	7/30/2013 - 7/30/2013	Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	1.34E+03	0.00E+00	2.00E+03		
		186704	8/6/2013 - 8/6/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01		
Fe-59	<3.00E+01			0.00E+00	3.00E+01		
Co-60	<1.50E+01			0.00E+00	1.50E+01		
Zn-65	<3.00E+01			0.00E+00	3.00E+01		
Zr-95	<1.50E+01			0.00E+00	1.50E+01		
Nb-95	<1.50E+01			0.00E+00	1.50E+01		
I-131	<1.50E+01			0.00E+00	1.50E+01		
Cs-134	<1.50E+01			0.00E+00	1.50E+01		
Cs-137	<1.80E+01			0.00E+00	1.80E+01		
BaLa-140	<1.50E+01			0.00E+00	1.50E+01		
H3SW	3.98E+02			0.00E+00	2.00E+03		
186705	8/14/2013 - 8/14/2013			Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	3.25E+02	0.00E+00	2.00E+03		
		186752	8/20/2013 - 8/20/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01		
Co-60	<1.50E+01			0.00E+00	1.50E+01		
Zn-65	<3.00E+01			0.00E+00	3.00E+01		
Zr-95	<1.50E+01			0.00E+00	1.50E+01		
Nb-95	<1.50E+01			0.00E+00	1.50E+01		
I-131	<1.50E+01			0.00E+00	1.50E+01		
Cs-134	<1.50E+01			0.00E+00	1.50E+01		
Cs-137	<1.80E+01			0.00E+00	1.80E+01		
BaLa-140	<1.50E+01			0.00E+00	1.50E+01		
H3SW	<2.85E+02			0.00E+00	2.85E+02		
186753	8/27/2013 - 8/27/2013			Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	8.53E+02	0.00E+00	2.00E+03		
		186754	9/4/2013 - 9/4/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01		
Co-60	<1.50E+01			0.00E+00	1.50E+01		
Zn-65	<3.00E+01			0.00E+00	3.00E+01		

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186754	9/4/2013 - 9/4/2013	Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	4.84E+02	0.00E+00	2.00E+03
186755	9/10/2013 - 9/10/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.84E+02	0.00E+00	2.84E+02
186756	9/17/2013 - 9/17/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.79E+02	0.00E+00	2.79E+02
		186757	9/24/2013 - 9/24/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.83E+02			0.00E+00	2.83E+02
186830	10/2/2013 - 10/2/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.84E+02	0.00E+00	2.84E+02
		186831	10/9/2013 - 10/9/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 604 [INDICATOR - - @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186831	10/9/2013 - 10/9/2013	Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.80E+02	0.00E+00	2.80E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186832	10/15/2013 - 10/15/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.85E+02	0.00E+00	2.85E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186833	10/22/2013 - 10/22/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.78E+02	0.00E+00	2.78E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186834	10/30/2013 - 10/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	2.79E+02	0.00E+00	2.00E+03

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186925	11/6/2013 - 11/6/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.73E+02	0.00E+00	2.73E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186926	11/12/2013 - 11/12/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 604 [INDICATOR - - @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186926	11/12/2013 - 11/12/2013	Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	2.81E+02	0.00E+00	2.00E+03

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186927	11/19/2013 - 11/19/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.76E+02	0.00E+00	2.76E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186928	11/26/2013 - 11/26/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	8.06E+02	0.00E+00	2.00E+03

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186929	12/3/2013 - 12/3/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.80E+02	0.00E+00	2.80E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186930	12/10/2013 - 12/10/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.81E+02	0.00E+00	2.81E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186931	12/17/2013 - 12/17/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186931	12/17/2013 - 12/17/2013	Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.80E+02	0.00E+00	2.80E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186932	12/24/2013 - 12/24/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.84E+02	0.00E+00	2.84E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186933	12/31/2013 - 12/31/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.88E+02	0.00E+00	2.88E+02

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179278	1/7/2013 - 1/7/2013	H3SW	<2.69E+02	0.00E+00	2.69E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179279	1/8/2013 - 1/8/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179280	1/15/2013 - 1/15/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179280	1/15/2013 - 1/15/2013	H3SW	<2.66E+02	0.00E+00	2.66E+02
179281	1/23/2013 - 1/23/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.64E+02	0.00E+00	2.64E+02
		179282	1/29/2013 - 1/29/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.66E+02			0.00E+00	2.66E+02
179283	2/4/2013 - 2/4/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.69E+02	0.00E+00	2.69E+02
		179284	2/12/2013 - 2/12/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.58E+02			0.00E+00	2.58E+02
186672	2/19/2013 - 2/19/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186672	2/19/2013 - 2/19/2013	BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	3.39E+02	0.00E+00	2.00E+03
179286	2/26/2013 - 2/26/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.68E+02	0.00E+00	2.68E+02
		186673	3/5/2013 - 3/5/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	2.78E+02			0.00E+00	2.00E+03
179288	3/12/2013 - 3/12/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.70E+02	0.00E+00	2.70E+02
		179289	3/19/2013 - 3/19/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.76E+02			0.00E+00	2.76E+02
179290	3/26/2013 - 3/26/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179290	3/26/2013 - 3/26/2013	Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.71E+02	0.00E+00	2.71E+02
179291	4/2/2013 - 4/2/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.73E+02	0.00E+00	2.73E+02
		179292	4/9/2013 - 4/9/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.74E+02			0.00E+00	2.74E+02
179293	4/16/2013 - 4/16/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.68E+02	0.00E+00	2.68E+02
		179294	4/23/2013 - 4/23/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.80E+02			0.00E+00	2.80E+02
179295	4/30/2013 - 4/30/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	
179295	4/30/2013 - 4/30/2013	Cs-134	<1.50E+01	0.00E+00	1.50E+01	
		Cs-137	<1.80E+01	0.00E+00	1.80E+01	
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01	
		H3SW	<2.75E+02	0.00E+00	2.75E+02	
179296	5/7/2013 - 5/7/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01	
		Co-58	<1.50E+01	0.00E+00	1.50E+01	
		Fe-59	<3.00E+01	0.00E+00	3.00E+01	
		Co-60	<1.50E+01	0.00E+00	1.50E+01	
		Zn-65	<3.00E+01	0.00E+00	3.00E+01	
		Zr-95	<1.50E+01	0.00E+00	1.50E+01	
		Nb-95	<1.50E+01	0.00E+00	1.50E+01	
		I-131	<1.50E+01	0.00E+00	1.50E+01	
		Cs-134	<1.50E+01	0.00E+00	1.50E+01	
		Cs-137	<1.80E+01	0.00E+00	1.80E+01	
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01	
		H3SW	<2.75E+02	0.00E+00	2.75E+02	
179297	5/14/2013 - 5/14/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01	
		Co-58	<1.50E+01	0.00E+00	1.50E+01	
		Fe-59	<3.00E+01	0.00E+00	3.00E+01	
		Co-60	<1.50E+01	0.00E+00	1.50E+01	
		Zn-65	<3.00E+01	0.00E+00	3.00E+01	
		Zr-95	<1.50E+01	0.00E+00	1.50E+01	
		Nb-95	<1.50E+01	0.00E+00	1.50E+01	
		I-131	<1.50E+01	0.00E+00	1.50E+01	
		Cs-134	<1.50E+01	0.00E+00	1.50E+01	
		Cs-137	<1.80E+01	0.00E+00	1.80E+01	
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01	
		H3SW	<2.71E+02	0.00E+00	2.71E+02	
179298	5/22/2013 - 5/22/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01	
		Co-58	<1.50E+01	0.00E+00	1.50E+01	
		Fe-59	<3.00E+01	0.00E+00	3.00E+01	
		Co-60	<1.50E+01	0.00E+00	1.50E+01	
		Zn-65	<3.00E+01	0.00E+00	3.00E+01	
		Zr-95	<1.50E+01	0.00E+00	1.50E+01	
		Nb-95	<1.50E+01	0.00E+00	1.50E+01	
		I-131	<1.50E+01	0.00E+00	1.50E+01	
		Cs-134	<1.50E+01	0.00E+00	1.50E+01	
		Cs-137	<1.80E+01	0.00E+00	1.80E+01	
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01	
		H3SW	<2.76E+02	0.00E+00	2.76E+02	
179299	5/28/2013 - 5/28/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01	
		Co-58	<1.50E+01	0.00E+00	1.50E+01	
		Fe-59	<3.00E+01	0.00E+00	3.00E+01	
		Co-60	<1.50E+01	0.00E+00	1.50E+01	
		Zn-65	<3.00E+01	0.00E+00	3.00E+01	
		Zr-95	<1.50E+01	0.00E+00	1.50E+01	
		Nb-95	<1.50E+01	0.00E+00	1.50E+01	
		I-131	<1.50E+01	0.00E+00	1.50E+01	
		Cs-134	<1.50E+01	0.00E+00	1.50E+01	
		Cs-137	<1.80E+01	0.00E+00	1.80E+01	
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01	
		H3SW	<2.71E+02	0.00E+00	2.71E+02	
179499	6/4/2013 - 6/4/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01	
		Co-58	<1.50E+01	0.00E+00	1.50E+01	
		Fe-59	<3.00E+01	0.00E+00	3.00E+01	
		Co-60	<1.50E+01	0.00E+00	1.50E+01	
		Zn-65	<3.00E+01	0.00E+00	3.00E+01	
		Zr-95	<1.50E+01	0.00E+00	1.50E+01	
		Nb-95	<1.50E+01	0.00E+00	1.50E+01	

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179499	6/4/2013 - 6/4/2013	I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.80E+02	0.00E+00	2.80E+02
179500	6/11/2013 - 6/11/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.84E+02	0.00E+00	2.84E+02
		179501	6/18/2013 - 6/18/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.77E+02			0.00E+00	2.77E+02
179502	6/25/2013 - 6/25/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.76E+02	0.00E+00	2.76E+02
		179503	7/2/2013 - 7/2/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.79E+02			0.00E+00	2.79E+02
179504	7/9/2013 - 7/9/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179504	7/9/2013 - 7/9/2013	Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.74E+02	0.00E+00	2.74E+02
179505	7/16/2013 - 7/16/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.83E+02	0.00E+00	2.83E+02
179506	7/23/2013 - 7/23/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.85E+02	0.00E+00	2.85E+02
179507	7/30/2013 - 7/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.75E+02	0.00E+00	2.75E+02
179508	8/6/2013 - 8/6/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.73E+02	0.00E+00	2.73E+02
179509	8/13/2013 - 8/13/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179509	8/13/2013 - 8/13/2013	Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.70E+02	0.00E+00	2.70E+02
186758	8/20/2013 - 8/20/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.82E+02	0.00E+00	2.82E+02
		186759	8/27/2013 - 8/27/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.74E+02			0.00E+00	2.74E+02
186760	9/4/2013 - 9/4/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.79E+02	0.00E+00	2.79E+02
		186761	9/10/2013 - 9/10/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.76E+02			0.00E+00	2.76E+02
186762	9/17/2013 - 9/17/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	186762	Sample Dates:	9/17/2013 - 9/17/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				H3SW	<2.85E+02	0.00E+00	2.85E+02

Sample ID:	186763	Sample Dates:	9/24/2013 - 9/24/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				H3SW	<2.79E+02	0.00E+00	2.79E+02

Sample ID:	186835	Sample Dates:	10/2/2013 - 10/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				H3SW	<2.83E+02	0.00E+00	2.83E+02

Sample ID:	186836	Sample Dates:	10/9/2013 - 10/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				H3SW	<2.83E+02	0.00E+00	2.83E+02

Sample ID:	186837	Sample Dates:	10/15/2013 - 10/15/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01
				Co-60	<1.50E+01	0.00E+00	1.50E+01
				Zn-65	<3.00E+01	0.00E+00	3.00E+01
				Zr-95	<1.50E+01	0.00E+00	1.50E+01
				Nb-95	<1.50E+01	0.00E+00	1.50E+01
				I-131	<1.50E+01	0.00E+00	1.50E+01
				Cs-134	<1.50E+01	0.00E+00	1.50E+01
				Cs-137	<1.80E+01	0.00E+00	1.80E+01
				BaLa-140	<1.50E+01	0.00E+00	1.50E+01
				H3SW	<2.79E+02	0.00E+00	2.79E+02

Sample ID:	186838	Sample Dates:	10/22/2013 - 10/22/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
				Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
				Fe-59	<3.00E+01	0.00E+00	3.00E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186838	10/22/2013 - 10/22/2013	Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.77E+02	0.00E+00	2.77E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186839	10/30/2013 - 10/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.77E+02	0.00E+00	2.77E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186934	11/6/2013 - 11/6/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.76E+02	0.00E+00	2.76E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186935	11/12/2013 - 11/12/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.71E+02	0.00E+00	2.71E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186936	11/19/2013 - 11/19/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.78E+02	0.00E+00	2.78E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186937	11/26/2013 - 11/26/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186937	11/26/2013 - 11/26/2013	Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	2.99E+02	0.00E+00	2.00E+03

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186938	12/3/2013 - 12/3/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.72E+02	0.00E+00	2.72E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186939	12/10/2013 - 12/10/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.73E+02	0.00E+00	2.73E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186940	12/17/2013 - 12/17/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.83E+02	0.00E+00	2.83E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186941	12/24/2013 - 12/24/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.84E+02	0.00E+00	2.84E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186942	12/31/2013 - 12/31/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186942	12/31/2013 - 12/31/2013	Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.80E+02	0.00E+00	2.80E+02

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179300	1/7/2013 - 1/7/2013	H3SW	<2.67E+02	0.00E+00	2.67E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179301	1/8/2013 - 1/8/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179302	1/15/2013 - 1/15/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.66E+02	0.00E+00	2.66E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179303	1/23/2013 - 1/23/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.65E+02	0.00E+00	2.65E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179304	1/29/2013 - 1/29/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179304	1/29/2013 - 1/29/2013	BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.68E+02	0.00E+00	2.68E+02
179305	2/4/2013 - 2/4/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.69E+02	0.00E+00	2.69E+02
		179306	2/12/2013 - 2/12/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.57E+02			0.00E+00	2.57E+02
186674	2/19/2013 - 2/19/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	3.69E+02	0.00E+00	2.00E+03
		179308	2/26/2013 - 2/26/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.68E+02			0.00E+00	2.68E+02
186675	3/5/2013 - 3/5/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186675	3/5/2013 - 3/5/2013	Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	3.42E+02	0.00E+00	2.00E+03
179310	3/12/2013 - 3/12/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.66E+02	0.00E+00	2.66E+02
		179311	3/19/2013 - 3/19/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.77E+02			0.00E+00	2.77E+02
179312	3/26/2013 - 3/26/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.71E+02	0.00E+00	2.71E+02
		186676	4/2/2013 - 4/2/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	2.74E+02			0.00E+00	2.00E+03
179314	4/9/2013 - 4/9/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179314	4/9/2013 - 4/9/2013	Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.73E+02	0.00E+00	2.73E+02
179315	4/16/2013 - 4/16/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.73E+02	0.00E+00	2.73E+02
179316	4/23/2013 - 4/23/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.72E+02	0.00E+00	2.72E+02
179317	4/30/2013 - 4/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.64E+02	0.00E+00	2.64E+02
179318	5/7/2013 - 5/7/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.73E+02	0.00E+00	2.73E+02
179319	5/14/2013 - 5/14/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179319	5/14/2013 - 5/14/2013	I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.71E+02	0.00E+00	2.71E+02
179320	5/22/2013 - 5/22/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.79E+02	0.00E+00	2.79E+02
		179321	5/28/2013 - 5/28/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.72E+02			0.00E+00	2.72E+02
179510	6/4/2013 - 6/4/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.82E+02	0.00E+00	2.82E+02
		186706	6/11/2013 - 6/11/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	3.76E+02			0.00E+00	2.00E+03
179512	6/18/2013 - 6/18/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179512	6/18/2013 - 6/18/2013	Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.81E+02	0.00E+00	2.81E+02
179513	6/25/2013 - 6/25/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.78E+02	0.00E+00	2.78E+02
		179514	7/2/2013 - 7/2/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.80E+02			0.00E+00	2.80E+02
179515	7/9/2013 - 7/9/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.76E+02	0.00E+00	2.76E+02
		179516	7/16/2013 - 7/16/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.86E+02			0.00E+00	2.86E+02
179517	7/23/2013 - 7/23/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179517	7/23/2013 - 7/23/2013	Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.86E+02	0.00E+00	2.86E+02
179518	7/30/2013 - 7/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.71E+02	0.00E+00	2.71E+02
		179519	8/6/2013 - 8/6/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.70E+02			0.00E+00	2.70E+02
179520	8/13/2013 - 8/13/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.75E+02	0.00E+00	2.75E+02
		186764	8/20/2013 - 8/20/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.84E+02			0.00E+00	2.84E+02
186765	8/27/2013 - 8/27/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186765	8/27/2013 - 8/27/2013	Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.75E+02	0.00E+00	2.75E+02
186766	9/4/2013 - 9/4/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	2.99E+02	0.00E+00	2.00E+03
		186767	9/10/2013 - 9/10/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.76E+02			0.00E+00	2.76E+02
186768	9/17/2013 - 9/17/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.86E+02	0.00E+00	2.86E+02
		186769	9/24/2013 - 9/24/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.79E+02			0.00E+00	2.79E+02
186840	10/2/2013 - 10/2/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186840	10/2/2013 - 10/2/2013	Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.84E+02	0.00E+00	2.84E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186841	10/9/2013 - 10/9/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.82E+02	0.00E+00	2.82E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186842	10/15/2013 - 10/15/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.81E+02	0.00E+00	2.81E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186843	10/22/2013 - 10/22/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.78E+02	0.00E+00	2.78E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186844	10/30/2013 - 10/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.78E+02	0.00E+00	2.78E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186943	11/6/2013 - 11/6/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186943	11/6/2013 - 11/6/2013	Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.76E+02	0.00E+00	2.76E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186944	11/12/2013 - 11/12/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.72E+02	0.00E+00	2.72E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186945	11/19/2013 - 11/19/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.79E+02	0.00E+00	2.79E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186946	11/26/2013 - 11/26/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.76E+02	0.00E+00	2.76E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186947	12/3/2013 - 12/3/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.73E+02	0.00E+00	2.73E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186948	12/10/2013 - 12/10/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186948	12/10/2013 - 12/10/2013	Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.80E+02	0.00E+00	2.80E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186949	12/17/2013 - 12/17/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.81E+02	0.00E+00	2.81E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186950	12/24/2013 - 12/24/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.83E+02	0.00E+00	2.83E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186951	12/31/2013 - 12/31/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.79E+02	0.00E+00	2.79E+02

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186677	1/7/2013 - 1/7/2013	H3SW	2.69E+02	0.00E+00	2.00E+03

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179323	1/8/2013 - 1/8/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179323	1/8/2013 - 1/8/2013	Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
179324	1/15/2013 - 1/15/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.71E+02	0.00E+00	2.71E+02
		179325	1/23/2013 - 1/23/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.62E+02			0.00E+00	2.62E+02
179326	1/29/2013 - 1/29/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.70E+02	0.00E+00	2.70E+02
		186678	2/4/2013 - 2/4/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	4.39E+02			0.00E+00	2.00E+03
179328	2/12/2013 - 2/12/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179328	2/12/2013 - 2/12/2013	Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.67E+02	0.00E+00	2.67E+02
186679	2/19/2013 - 2/19/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	6.50E+02	0.00E+00	2.00E+03
179330	2/26/2013 - 2/26/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.69E+02	0.00E+00	2.69E+02
		179331	3/5/2013 - 3/5/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.68E+02			0.00E+00	2.68E+02
179332	3/12/2013 - 3/12/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.68E+02	0.00E+00	2.68E+02
		179333	3/19/2013 - 3/19/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179333	3/19/2013 - 3/19/2013	Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.78E+02	0.00E+00	2.78E+02
179334	3/26/2013 - 3/26/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.70E+02	0.00E+00	2.70E+02
186680	4/2/2013 - 4/2/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	5.11E+02	0.00E+00	2.00E+03
186681	4/9/2013 - 4/9/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	3.55E+02	0.00E+00	2.00E+03
186682	4/16/2013 - 4/16/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	5.64E+02	0.00E+00	2.00E+03
186683	4/23/2013 - 4/23/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186683	4/23/2013 - 4/23/2013	I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	4.26E+02	0.00E+00	2.00E+03
179339	4/30/2013 - 4/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.75E+02	0.00E+00	2.75E+02
		179340	5/7/2013 - 5/7/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.76E+02			0.00E+00	2.76E+02
179341	5/14/2013 - 5/14/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.79E+02	0.00E+00	2.79E+02
		179342	5/22/2013 - 5/22/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.78E+02			0.00E+00	2.78E+02
179343	5/28/2013 - 5/28/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179343	5/28/2013 - 5/28/2013	Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.71E+02	0.00E+00	2.71E+02
186707	6/4/2013 - 6/4/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	3.30E+02	0.00E+00	2.00E+03
186708	6/11/2013 - 6/11/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	4.11E+02	0.00E+00	2.00E+03
179523	6/18/2013 - 6/18/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.80E+02	0.00E+00	2.80E+02
179524	6/25/2013 - 6/25/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.78E+02	0.00E+00	2.78E+02
179525	7/2/2013 - 7/2/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD		
179525	7/2/2013 - 7/2/2013	Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	<2.81E+02	0.00E+00	2.81E+02		
179526	7/9/2013 - 7/9/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01		
		Co-58	<1.50E+01	0.00E+00	1.50E+01		
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	<2.75E+02	0.00E+00	2.75E+02		
		179527	7/16/2013 - 7/16/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01		
Fe-59	<3.00E+01			0.00E+00	3.00E+01		
Co-60	<1.50E+01			0.00E+00	1.50E+01		
Zn-65	<3.00E+01			0.00E+00	3.00E+01		
Zr-95	<1.50E+01			0.00E+00	1.50E+01		
Nb-95	<1.50E+01			0.00E+00	1.50E+01		
I-131	<1.50E+01			0.00E+00	1.50E+01		
Cs-134	<1.50E+01			0.00E+00	1.50E+01		
Cs-137	<1.80E+01			0.00E+00	1.80E+01		
BaLa-140	<1.50E+01			0.00E+00	1.50E+01		
H3SW	<2.83E+02			0.00E+00	2.83E+02		
179528	7/23/2013 - 7/23/2013			Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	<2.81E+02	0.00E+00	2.81E+02		
		179529	7/30/2013 - 7/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01		
Co-60	<1.50E+01			0.00E+00	1.50E+01		
Zn-65	<3.00E+01			0.00E+00	3.00E+01		
Zr-95	<1.50E+01			0.00E+00	1.50E+01		
Nb-95	<1.50E+01			0.00E+00	1.50E+01		
I-131	<1.50E+01			0.00E+00	1.50E+01		
Cs-134	<1.50E+01			0.00E+00	1.50E+01		
Cs-137	<1.80E+01			0.00E+00	1.80E+01		
BaLa-140	<1.50E+01			0.00E+00	1.50E+01		
H3SW	<2.64E+02			0.00E+00	2.64E+02		
179530	8/6/2013 - 8/6/2013			Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179530	8/6/2013 - 8/6/2013	Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.72E+02	0.00E+00	2.72E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD		
179531	8/13/2013 - 8/13/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01		
		Co-58	<1.50E+01	0.00E+00	1.50E+01		
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
				H3SW	<2.72E+02	0.00E+00	2.72E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD		
186770	8/20/2013 - 8/20/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01		
		Co-58	<1.50E+01	0.00E+00	1.50E+01		
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
				H3SW	<2.83E+02	0.00E+00	2.83E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD		
186771	8/27/2013 - 8/27/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01		
		Co-58	<1.50E+01	0.00E+00	1.50E+01		
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
				H3SW	<2.73E+02	0.00E+00	2.73E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD		
186772	9/4/2013 - 9/4/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01		
		Co-58	<1.50E+01	0.00E+00	1.50E+01		
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
				H3SW	<2.76E+02	0.00E+00	2.76E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186773	9/10/2013 - 9/10/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186773	9/10/2013 - 9/10/2013	Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.78E+02	0.00E+00	2.78E+02
		186774	9/17/2013 - 9/17/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.84E+02			0.00E+00	2.84E+02
186775	9/24/2013 - 9/24/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.78E+02	0.00E+00	2.78E+02
		186845	10/2/2013 - 10/2/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.82E+02			0.00E+00	2.82E+02
186846	10/9/2013 - 10/9/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.82E+02	0.00E+00	2.82E+02
		186847	10/15/2013 - 10/15/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 607 [INDICATOR - - @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186847	10/15/2013 - 10/15/2013	Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.80E+02	0.00E+00	2.80E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186848	10/22/2013 - 10/22/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.78E+02	0.00E+00	2.78E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186849	10/30/2013 - 10/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.77E+02	0.00E+00	2.77E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186952	11/6/2013 - 11/6/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.76E+02	0.00E+00	2.76E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186953	11/12/2013 - 11/12/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.72E+02	0.00E+00	2.72E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186954	11/19/2013 - 11/19/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186954	11/19/2013 - 11/19/2013	Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.79E+02	0.00E+00	2.79E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186955	11/26/2013 - 11/26/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.77E+02	0.00E+00	2.77E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186956	12/3/2013 - 12/3/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.71E+02	0.00E+00	2.71E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186957	12/10/2013 - 12/10/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.80E+02	0.00E+00	2.80E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186958	12/17/2013 - 12/17/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.78E+02	0.00E+00	2.78E+02

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186959	12/24/2013 - 12/24/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.84E+02	0.00E+00	2.84E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186960	12/31/2013 - 12/31/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.79E+02	0.00E+00	2.79E+02

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179347	1/7/2013 - 1/7/2013	H3SW	<2.70E+02	0.00E+00	2.70E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179348	1/8/2013 - 1/8/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179349	1/15/2013 - 1/15/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.70E+02	0.00E+00	2.70E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186684	1/23/2013 - 1/23/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 608 [INDICATOR - - @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186684	1/23/2013 - 1/23/2013	Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	1.03E+03	0.00E+00	2.00E+03
179351	1/29/2013 - 1/29/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.69E+02	0.00E+00	2.69E+02
		186685	2/4/2013 - 2/4/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	3.13E+02			0.00E+00	2.00E+03
179353	2/12/2013 - 2/12/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.68E+02	0.00E+00	2.68E+02
		186686	2/19/2013 - 2/19/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	1.01E+03			0.00E+00	2.00E+03
179355	2/26/2013 - 2/26/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 608 [INDICATOR -- @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	
179355	2/26/2013 - 2/26/2013	Cs-134	<1.50E+01	0.00E+00	1.50E+01	
		Cs-137	<1.80E+01	0.00E+00	1.80E+01	
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01	
		H3SW	<2.60E+02	0.00E+00	2.60E+02	
179356	3/5/2013 - 3/5/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01	
		Co-58	<1.50E+01	0.00E+00	1.50E+01	
		Fe-59	<3.00E+01	0.00E+00	3.00E+01	
		Co-60	<1.50E+01	0.00E+00	1.50E+01	
		Zn-65	<3.00E+01	0.00E+00	3.00E+01	
		Zr-95	<1.50E+01	0.00E+00	1.50E+01	
		Nb-95	<1.50E+01	0.00E+00	1.50E+01	
		I-131	<1.50E+01	0.00E+00	1.50E+01	
		Cs-134	<1.50E+01	0.00E+00	1.50E+01	
		Cs-137	<1.80E+01	0.00E+00	1.80E+01	
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01	
		H3SW	<2.68E+02	0.00E+00	2.68E+02	
179357	3/12/2013 - 3/12/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01	
		Co-58	<1.50E+01	0.00E+00	1.50E+01	
		Fe-59	<3.00E+01	0.00E+00	3.00E+01	
		Co-60	<1.50E+01	0.00E+00	1.50E+01	
		Zn-65	<3.00E+01	0.00E+00	3.00E+01	
		Zr-95	<1.50E+01	0.00E+00	1.50E+01	
		Nb-95	<1.50E+01	0.00E+00	1.50E+01	
		I-131	<1.50E+01	0.00E+00	1.50E+01	
		Cs-134	<1.50E+01	0.00E+00	1.50E+01	
		Cs-137	<1.80E+01	0.00E+00	1.80E+01	
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01	
		H3SW	<2.72E+02	0.00E+00	2.72E+02	
179358	3/19/2013 - 3/19/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01	
		Co-58	<1.50E+01	0.00E+00	1.50E+01	
		Fe-59	<3.00E+01	0.00E+00	3.00E+01	
		Co-60	<1.50E+01	0.00E+00	1.50E+01	
		Zn-65	<3.00E+01	0.00E+00	3.00E+01	
		Zr-95	<1.50E+01	0.00E+00	1.50E+01	
		Nb-95	<1.50E+01	0.00E+00	1.50E+01	
		I-131	<1.50E+01	0.00E+00	1.50E+01	
		Cs-134	<1.50E+01	0.00E+00	1.50E+01	
		Cs-137	<1.80E+01	0.00E+00	1.80E+01	
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01	
		H3SW	<2.76E+02	0.00E+00	2.76E+02	
179359	3/26/2013 - 3/26/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01	
		Co-58	<1.50E+01	0.00E+00	1.50E+01	
		Fe-59	<3.00E+01	0.00E+00	3.00E+01	
		Co-60	<1.50E+01	0.00E+00	1.50E+01	
		Zn-65	<3.00E+01	0.00E+00	3.00E+01	
		Zr-95	<1.50E+01	0.00E+00	1.50E+01	
		Nb-95	<1.50E+01	0.00E+00	1.50E+01	
		I-131	<1.50E+01	0.00E+00	1.50E+01	
		Cs-134	<1.50E+01	0.00E+00	1.50E+01	
		Cs-137	<1.80E+01	0.00E+00	1.80E+01	
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01	
		H3SW	<2.70E+02	0.00E+00	2.70E+02	
186687	4/2/2013 - 4/2/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01	
		Co-58	<1.50E+01	0.00E+00	1.50E+01	
		Fe-59	<3.00E+01	0.00E+00	3.00E+01	
		Co-60	<1.50E+01	0.00E+00	1.50E+01	
		Zn-65	<3.00E+01	0.00E+00	3.00E+01	
		Zr-95	<1.50E+01	0.00E+00	1.50E+01	
		Nb-95	<1.50E+01	0.00E+00	1.50E+01	

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186687	4/2/2013 - 4/2/2013	I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	3.46E+02	0.00E+00	2.00E+03
186688	4/9/2013 - 4/9/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	5.12E+02	0.00E+00	2.00E+03
186689	4/16/2013 - 4/16/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	5.35E+02	0.00E+00	2.00E+03
		186690	4/23/2013 - 4/23/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	4.01E+02			0.00E+00	2.00E+03
179364	4/30/2013 - 4/30/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.74E+02	0.00E+00	2.74E+02
		179365	5/7/2013 - 5/7/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179365	5/7/2013 - 5/7/2013	Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.74E+02	0.00E+00	2.74E+02
179543	6/4/2013 - 6/4/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.67E+02	0.00E+00	2.67E+02
179544	6/11/2013 - 6/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.79E+02	0.00E+00	2.79E+02
179545	6/18/2013 - 6/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.80E+02	0.00E+00	2.80E+02
179546	6/25/2013 - 6/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.66E+02	0.00E+00	2.66E+02
179547	7/2/2013 - 7/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.80E+02	0.00E+00	2.80E+02
179548	7/9/2013 - 7/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.76E+02	0.00E+00	2.76E+02
179549	7/16/2013 - 7/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.80E+02	0.00E+00	2.80E+02
179550	7/23/2013 - 7/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.85E+02	0.00E+00	2.85E+02
179551	7/30/2013 - 7/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.65E+02	0.00E+00	2.65E+02
179552	8/6/2013 - 8/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.73E+02	0.00E+00	2.73E+02
179553	8/14/2013 - 8/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.63E+02	0.00E+00	2.63E+02
186776	8/20/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.83E+02	0.00E+00	2.83E+02
		186777	8/27/2013 - 8/27/2013	Nuclide	Activity
Mn-54	<1.50E+01			0.00E+00	1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.74E+02			0.00E+00	2.74E+02
186778	9/4/2013 - 9/4/2013			Nuclide	Activity
		Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186778	9/4/2013 - 9/4/2013	Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.76E+02	0.00E+00	2.76E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186779	9/10/2013 - 9/10/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.78E+02	0.00E+00	2.78E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186780	9/17/2013 - 9/17/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.84E+02	0.00E+00	2.84E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186781	9/24/2013 - 9/24/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.78E+02	0.00E+00	2.78E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186850	10/2/2013 - 10/2/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.83E+02	0.00E+00	2.83E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186851	10/9/2013 - 10/9/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD		
186851	10/9/2013 - 10/9/2013	Co-58	<1.50E+01	0.00E+00	1.50E+01		
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	<2.80E+02	0.00E+00	2.80E+02		
		186852	10/15/2013 - 10/15/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01		
Co-60	<1.50E+01			0.00E+00	1.50E+01		
Zn-65	<3.00E+01			0.00E+00	3.00E+01		
Zr-95	<1.50E+01			0.00E+00	1.50E+01		
Nb-95	<1.50E+01			0.00E+00	1.50E+01		
I-131	<1.50E+01			0.00E+00	1.50E+01		
Cs-134	<1.50E+01			0.00E+00	1.50E+01		
Cs-137	<1.80E+01			0.00E+00	1.80E+01		
BaLa-140	<1.50E+01			0.00E+00	1.50E+01		
H3SW	<2.84E+02			0.00E+00	2.84E+02		
186853	10/22/2013 - 10/22/2013			Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01		
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	<2.79E+02	0.00E+00	2.79E+02		
		186854	10/30/2013 - 10/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01		
Fe-59	<3.00E+01			0.00E+00	3.00E+01		
Co-60	<1.50E+01			0.00E+00	1.50E+01		
Zn-65	<3.00E+01			0.00E+00	3.00E+01		
Zr-95	<1.50E+01			0.00E+00	1.50E+01		
Nb-95	<1.50E+01			0.00E+00	1.50E+01		
I-131	<1.50E+01			0.00E+00	1.50E+01		
Cs-134	<1.50E+01			0.00E+00	1.50E+01		
Cs-137	<1.80E+01			0.00E+00	1.80E+01		
BaLa-140	<1.50E+01			0.00E+00	1.50E+01		
H3SW	<2.76E+02			0.00E+00	2.76E+02		
186961	11/6/2013 - 11/6/2013			Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01		
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	2.76E+02	0.00E+00	2.00E+03		

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD		
186962	11/12/2013 - 11/12/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01		
		Co-58	<1.50E+01	0.00E+00	1.50E+01		
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	2.75E+02	0.00E+00	2.00E+03		
		186963	11/19/2013 - 11/19/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01		
Co-60	<1.50E+01			0.00E+00	1.50E+01		
Zn-65	<3.00E+01			0.00E+00	3.00E+01		
Zr-95	<1.50E+01			0.00E+00	1.50E+01		
Nb-95	<1.50E+01			0.00E+00	1.50E+01		
I-131	<1.50E+01			0.00E+00	1.50E+01		
Cs-134	<1.50E+01			0.00E+00	1.50E+01		
Cs-137	<1.80E+01			0.00E+00	1.80E+01		
BaLa-140	<1.50E+01			0.00E+00	1.50E+01		
H3SW	2.79E+02			0.00E+00	2.00E+03		
186964	11/26/2013 - 11/26/2013			Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	2.78E+02	0.00E+00	2.00E+03		
		186965	12/3/2013 - 12/3/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01		
Co-60	<1.50E+01			0.00E+00	1.50E+01		
Zn-65	<3.00E+01			0.00E+00	3.00E+01		
Zr-95	<1.50E+01			0.00E+00	1.50E+01		
Nb-95	<1.50E+01			0.00E+00	1.50E+01		
I-131	<1.50E+01			0.00E+00	1.50E+01		
Cs-134	<1.50E+01			0.00E+00	1.50E+01		
Cs-137	<1.80E+01			0.00E+00	1.80E+01		
BaLa-140	<1.50E+01			0.00E+00	1.50E+01		
H3SW	<2.71E+02			0.00E+00	2.71E+02		
186966	12/10/2013 - 12/10/2013			Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	<2.80E+02	0.00E+00	2.80E+02		

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186967	12/17/2013 - 12/17/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.79E+02	0.00E+00	2.79E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186968	12/24/2013 - 12/24/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.82E+02	0.00E+00	2.82E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186969	12/31/2013 - 12/31/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.82E+02	0.00E+00	2.82E+02

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179369	1/7/2013 - 1/7/2013	H3SW	<2.70E+02	0.00E+00	2.70E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179370	1/8/2013 - 1/8/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179371	1/15/2013 - 1/15/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 609 [INDICATOR - - @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179371	1/15/2013 - 1/15/2013	Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.71E+02	0.00E+00	2.71E+02
179372	1/23/2013 - 1/23/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.66E+02	0.00E+00	2.66E+02
		179373	1/29/2013 - 1/29/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.66E+02			0.00E+00	2.66E+02
179374	2/4/2013 - 2/4/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.62E+02	0.00E+00	2.62E+02
		179375	2/12/2013 - 2/12/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.68E+02			0.00E+00	2.68E+02
186691	2/19/2013 - 2/19/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	
186691	2/19/2013 - 2/19/2013	Cs-134	<1.50E+01	0.00E+00	1.50E+01	
		Cs-137	<1.80E+01	0.00E+00	1.80E+01	
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01	
		H3SW	2.92E+02	0.00E+00	2.00E+03	
179377	2/26/2013 - 2/26/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01	
		Co-58	<1.50E+01	0.00E+00	1.50E+01	
		Fe-59	<3.00E+01	0.00E+00	3.00E+01	
		Co-60	<1.50E+01	0.00E+00	1.50E+01	
		Zn-65	<3.00E+01	0.00E+00	3.00E+01	
		Zr-95	<1.50E+01	0.00E+00	1.50E+01	
		Nb-95	<1.50E+01	0.00E+00	1.50E+01	
		I-131	<1.50E+01	0.00E+00	1.50E+01	
		Cs-134	<1.50E+01	0.00E+00	1.50E+01	
		Cs-137	<1.80E+01	0.00E+00	1.80E+01	
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01	
		H3SW	<2.70E+02	0.00E+00	2.70E+02	
179378	3/5/2013 - 3/5/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01	
		Co-58	<1.50E+01	0.00E+00	1.50E+01	
		Fe-59	<3.00E+01	0.00E+00	3.00E+01	
		Co-60	<1.50E+01	0.00E+00	1.50E+01	
		Zn-65	<3.00E+01	0.00E+00	3.00E+01	
		Zr-95	<1.50E+01	0.00E+00	1.50E+01	
		Nb-95	<1.50E+01	0.00E+00	1.50E+01	
		I-131	<1.50E+01	0.00E+00	1.50E+01	
		Cs-134	<1.50E+01	0.00E+00	1.50E+01	
		Cs-137	<1.80E+01	0.00E+00	1.80E+01	
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01	
		H3SW	<2.68E+02	0.00E+00	2.68E+02	
179379	3/12/2013 - 3/12/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01	
		Co-58	<1.50E+01	0.00E+00	1.50E+01	
		Fe-59	<3.00E+01	0.00E+00	3.00E+01	
		Co-60	<1.50E+01	0.00E+00	1.50E+01	
		Zn-65	<3.00E+01	0.00E+00	3.00E+01	
		Zr-95	<1.50E+01	0.00E+00	1.50E+01	
		Nb-95	<1.50E+01	0.00E+00	1.50E+01	
		I-131	<1.50E+01	0.00E+00	1.50E+01	
		Cs-134	<1.50E+01	0.00E+00	1.50E+01	
		Cs-137	<1.80E+01	0.00E+00	1.80E+01	
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01	
		H3SW	<2.68E+02	0.00E+00	2.68E+02	
179380	3/19/2013 - 3/19/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01	
		Co-58	<1.50E+01	0.00E+00	1.50E+01	
		Fe-59	<3.00E+01	0.00E+00	3.00E+01	
		Co-60	<1.50E+01	0.00E+00	1.50E+01	
		Zn-65	<3.00E+01	0.00E+00	3.00E+01	
		Zr-95	<1.50E+01	0.00E+00	1.50E+01	
		Nb-95	<1.50E+01	0.00E+00	1.50E+01	
		I-131	<1.50E+01	0.00E+00	1.50E+01	
		Cs-134	<1.50E+01	0.00E+00	1.50E+01	
		Cs-137	<1.80E+01	0.00E+00	1.80E+01	
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01	
		H3SW	<2.79E+02	0.00E+00	2.79E+02	
179381	3/26/2013 - 3/26/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01	
		Co-58	<1.50E+01	0.00E+00	1.50E+01	
		Fe-59	<3.00E+01	0.00E+00	3.00E+01	
		Co-60	<1.50E+01	0.00E+00	1.50E+01	
		Zn-65	<3.00E+01	0.00E+00	3.00E+01	
		Zr-95	<1.50E+01	0.00E+00	1.50E+01	
		Nb-95	<1.50E+01	0.00E+00	1.50E+01	

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179381	3/26/2013 - 3/26/2013	I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.70E+02	0.00E+00	2.70E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186692	4/2/2013 - 4/2/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	3.71E+02	0.00E+00	2.00E+03

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179383	4/9/2013 - 4/9/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.69E+02	0.00E+00	2.69E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179384	4/16/2013 - 4/16/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.72E+02	0.00E+00	2.72E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179385	4/23/2013 - 4/23/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.66E+02	0.00E+00	2.66E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179386	4/30/2013 - 4/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179386	4/30/2013 - 4/30/2013	Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.60E+02	0.00E+00	2.60E+02
179387	5/7/2013 - 5/7/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.75E+02	0.00E+00	2.75E+02
		179565	6/4/2013 - 6/4/2013	H3SW	<2.68E+02
179566	6/11/2013 - 6/11/2013	H3SW	<2.78E+02	0.00E+00	2.78E+02
179567	6/18/2013 - 6/18/2013	H3SW	<2.81E+02	0.00E+00	2.81E+02
179568	6/25/2013 - 6/25/2013	H3SW	<2.77E+02	0.00E+00	2.77E+02
179569	7/2/2013 - 7/2/2013	H3SW	<2.77E+02	0.00E+00	2.77E+02
179570	7/9/2013 - 7/9/2013	H3SW	<2.77E+02	0.00E+00	2.77E+02
179571	7/16/2013 - 7/16/2013	H3SW	<2.77E+02	0.00E+00	2.77E+02
179572	7/23/2013 - 7/23/2013	H3SW	<2.87E+02	0.00E+00	2.87E+02
186709	7/30/2013 - 7/30/2013	H3SW	4.30E+02	0.00E+00	2.00E+03
186710	8/6/2013 - 8/6/2013	H3SW	2.92E+02	0.00E+00	2.00E+03
179575	8/14/2013 - 8/14/2013	H3SW	<2.63E+02	0.00E+00	2.63E+02
186782	8/20/2013 - 8/20/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.84E+02	0.00E+00	2.84E+02
		186783	8/27/2013 - 8/27/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186783	8/27/2013 - 8/27/2013	Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.75E+02	0.00E+00	2.75E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186784	9/4/2013 - 9/4/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.75E+02	0.00E+00	2.75E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186785	9/10/2013 - 9/10/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.83E+02	0.00E+00	2.83E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186786	9/17/2013 - 9/17/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.84E+02	0.00E+00	2.84E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186787	9/24/2013 - 9/24/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.81E+02	0.00E+00	2.81E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186855	10/2/2013 - 10/2/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 609 [INDICATOR -- @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD		
186855	10/2/2013 - 10/2/2013	Co-58	<1.50E+01	0.00E+00	1.50E+01		
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	<2.84E+02	0.00E+00	2.84E+02		
		186856	10/9/2013 - 10/9/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01		
Co-60	<1.50E+01			0.00E+00	1.50E+01		
Zn-65	<3.00E+01			0.00E+00	3.00E+01		
Zr-95	<1.50E+01			0.00E+00	1.50E+01		
Nb-95	<1.50E+01			0.00E+00	1.50E+01		
I-131	<1.50E+01			0.00E+00	1.50E+01		
Cs-134	<1.50E+01			0.00E+00	1.50E+01		
Cs-137	<1.80E+01			0.00E+00	1.80E+01		
BaLa-140	<1.50E+01			0.00E+00	1.50E+01		
H3SW	<2.82E+02			0.00E+00	2.82E+02		
186857	10/15/2013 - 10/15/2013			Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01		
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	<2.84E+02	0.00E+00	2.84E+02		
		186858	10/22/2013 - 10/22/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01		
Fe-59	<3.00E+01			0.00E+00	3.00E+01		
Co-60	<1.50E+01			0.00E+00	1.50E+01		
Zn-65	<3.00E+01			0.00E+00	3.00E+01		
Zr-95	<1.50E+01			0.00E+00	1.50E+01		
Nb-95	<1.50E+01			0.00E+00	1.50E+01		
I-131	<1.50E+01			0.00E+00	1.50E+01		
Cs-134	<1.50E+01			0.00E+00	1.50E+01		
Cs-137	<1.80E+01			0.00E+00	1.80E+01		
BaLa-140	<1.50E+01			0.00E+00	1.50E+01		
H3SW	<2.78E+02			0.00E+00	2.78E+02		
186859	10/30/2013 - 10/30/2013			Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01		
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	<2.76E+02	0.00E+00	2.76E+02		

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD		
186970	11/6/2013 - 11/6/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01		
		Co-58	<1.50E+01	0.00E+00	1.50E+01		
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	<2.74E+02	0.00E+00	2.74E+02		
		186971	11/12/2013 - 11/12/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01		
Co-60	<1.50E+01			0.00E+00	1.50E+01		
Zn-65	<3.00E+01			0.00E+00	3.00E+01		
Zr-95	<1.50E+01			0.00E+00	1.50E+01		
Nb-95	<1.50E+01			0.00E+00	1.50E+01		
I-131	<1.50E+01			0.00E+00	1.50E+01		
Cs-134	<1.50E+01			0.00E+00	1.50E+01		
Cs-137	<1.80E+01			0.00E+00	1.80E+01		
BaLa-140	<1.50E+01			0.00E+00	1.50E+01		
H3SW	<2.76E+02			0.00E+00	2.76E+02		
186972	11/19/2013 - 11/19/2013			Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	<2.75E+02	0.00E+00	2.75E+02		
		186973	11/26/2013 - 11/26/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01		
Co-60	<1.50E+01			0.00E+00	1.50E+01		
Zn-65	<3.00E+01			0.00E+00	3.00E+01		
Zr-95	<1.50E+01			0.00E+00	1.50E+01		
Nb-95	<1.50E+01			0.00E+00	1.50E+01		
I-131	<1.50E+01			0.00E+00	1.50E+01		
Cs-134	<1.50E+01			0.00E+00	1.50E+01		
Cs-137	<1.80E+01			0.00E+00	1.80E+01		
BaLa-140	<1.50E+01			0.00E+00	1.50E+01		
H3SW	<2.78E+02			0.00E+00	2.78E+02		
186974	12/3/2013 - 12/3/2013			Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	<2.81E+02	0.00E+00	2.81E+02		

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186975	12/10/2013 - 12/10/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.81E+02	0.00E+00	2.81E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186976	12/17/2013 - 12/17/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.79E+02	0.00E+00	2.79E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186977	12/24/2013 - 12/24/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.84E+02	0.00E+00	2.84E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186978	12/31/2013 - 12/31/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.86E+02	0.00E+00	2.86E+02

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186693	1/7/2013 - 1/7/2013	H3SW	3.30E+02	0.00E+00	2.00E+03

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179392	1/8/2013 - 1/8/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179392	1/8/2013 - 1/8/2013	Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
179393	1/15/2013 - 1/15/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.70E+02	0.00E+00	2.70E+02
		179394	1/23/2013 - 1/23/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.64E+02			0.00E+00	2.64E+02
179395	1/29/2013 - 1/29/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.65E+02	0.00E+00	2.65E+02
		179396	2/4/2013 - 2/4/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.64E+02			0.00E+00	2.64E+02
179397	2/12/2013 - 2/12/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179397	2/12/2013 - 2/12/2013	Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.68E+02	0.00E+00	2.68E+02
186694	2/19/2013 - 2/19/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	2.89E+02	0.00E+00	2.00E+03
179399	2/26/2013 - 2/26/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.68E+02	0.00E+00	2.68E+02
186695	3/5/2013 - 3/5/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	3.73E+02	0.00E+00	2.00E+03
179401	3/12/2013 - 3/12/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.85E+02	0.00E+00	2.85E+02
179402	3/19/2013 - 3/19/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179402	3/19/2013 - 3/19/2013	I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.76E+02	0.00E+00	2.76E+02
179403	3/26/2013 - 3/26/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.69E+02	0.00E+00	2.69E+02
179404	4/2/2013 - 4/2/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.67E+02	0.00E+00	2.67E+02
		179405	4/9/2013 - 4/9/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.70E+02			0.00E+00	2.70E+02
186696	4/16/2013 - 4/16/2013			Mn-54	<1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	3.10E+02	0.00E+00	2.00E+03
		179407	4/23/2013 - 4/23/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
179407	4/23/2013 - 4/23/2013	Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.67E+02	0.00E+00	2.67E+02
179408	4/30/2013 - 4/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.77E+02	0.00E+00	2.77E+02
		179409	5/7/2013 - 5/7/2013	Mn-54	<1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01
Co-60	<1.50E+01			0.00E+00	1.50E+01
Zn-65	<3.00E+01			0.00E+00	3.00E+01
Zr-95	<1.50E+01			0.00E+00	1.50E+01
Nb-95	<1.50E+01			0.00E+00	1.50E+01
I-131	<1.50E+01			0.00E+00	1.50E+01
Cs-134	<1.50E+01			0.00E+00	1.50E+01
Cs-137	<1.80E+01			0.00E+00	1.80E+01
BaLa-140	<1.50E+01			0.00E+00	1.50E+01
H3SW	<2.73E+02			0.00E+00	2.73E+02
179587	6/4/2013 - 6/4/2013			Nuclide	Activity
		H3SW	<2.70E+02	0.00E+00	2.70E+02
179588	6/11/2013 - 6/11/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.82E+02	0.00E+00	2.82E+02
179589	6/18/2013 - 6/18/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.80E+02	0.00E+00	2.80E+02
179590	6/25/2013 - 6/25/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.77E+02	0.00E+00	2.77E+02
179591	7/2/2013 - 7/2/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.78E+02	0.00E+00	2.78E+02
179592	7/9/2013 - 7/9/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.76E+02	0.00E+00	2.76E+02
179593	7/16/2013 - 7/16/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.82E+02	0.00E+00	2.82E+02
179594	7/23/2013 - 7/23/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.80E+02	0.00E+00	2.80E+02
179595	7/30/2013 - 7/30/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.67E+02	0.00E+00	2.67E+02
179596	8/6/2013 - 8/6/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	<2.67E+02	0.00E+00	2.67E+02
186711	8/14/2013 - 8/14/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		H3SW	2.74E+02	0.00E+00	2.00E+03
186788	8/20/2013 - 8/20/2013	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
		Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186788	8/20/2013 - 8/20/2013	Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.83E+02	0.00E+00	2.83E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186789	8/27/2013 - 8/27/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.74E+02	0.00E+00	2.74E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186790	9/4/2013 - 9/4/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.74E+02	0.00E+00	2.74E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186791	9/10/2013 - 9/10/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.83E+02	0.00E+00	2.83E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186792	9/17/2013 - 9/17/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01
		Co-60	<1.50E+01	0.00E+00	1.50E+01
		Zn-65	<3.00E+01	0.00E+00	3.00E+01
		Zr-95	<1.50E+01	0.00E+00	1.50E+01
		Nb-95	<1.50E+01	0.00E+00	1.50E+01
		I-131	<1.50E+01	0.00E+00	1.50E+01
		Cs-134	<1.50E+01	0.00E+00	1.50E+01
		Cs-137	<1.80E+01	0.00E+00	1.80E+01
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01
		H3SW	<2.77E+02	0.00E+00	2.77E+02

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD
186793	9/24/2013 - 9/24/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD		
186793	9/24/2013 - 9/24/2013	Co-58	<1.50E+01	0.00E+00	1.50E+01		
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	<2.84E+02	0.00E+00	2.84E+02		
		186860	10/2/2013 - 10/2/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01		
Co-60	<1.50E+01			0.00E+00	1.50E+01		
Zn-65	<3.00E+01			0.00E+00	3.00E+01		
Zr-95	<1.50E+01			0.00E+00	1.50E+01		
Nb-95	<1.50E+01			0.00E+00	1.50E+01		
I-131	<1.50E+01			0.00E+00	1.50E+01		
Cs-134	<1.50E+01			0.00E+00	1.50E+01		
Cs-137	<1.80E+01			0.00E+00	1.80E+01		
BaLa-140	<1.50E+01			0.00E+00	1.50E+01		
H3SW	<2.82E+02			0.00E+00	2.82E+02		
186861	10/9/2013 - 10/9/2013			Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01		
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	<2.82E+02	0.00E+00	2.82E+02		
		186862	10/15/2013 - 10/15/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
Co-58	<1.50E+01			0.00E+00	1.50E+01		
Fe-59	<3.00E+01			0.00E+00	3.00E+01		
Co-60	<1.50E+01			0.00E+00	1.50E+01		
Zn-65	<3.00E+01			0.00E+00	3.00E+01		
Zr-95	<1.50E+01			0.00E+00	1.50E+01		
Nb-95	<1.50E+01			0.00E+00	1.50E+01		
I-131	<1.50E+01			0.00E+00	1.50E+01		
Cs-134	<1.50E+01			0.00E+00	1.50E+01		
Cs-137	<1.80E+01			0.00E+00	1.80E+01		
BaLa-140	<1.50E+01			0.00E+00	1.50E+01		
H3SW	<2.85E+02			0.00E+00	2.85E+02		
186863	10/22/2013 - 10/22/2013			Mn-54	<1.50E+01	0.00E+00	1.50E+01
		Co-58	<1.50E+01	0.00E+00	1.50E+01		
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	<2.78E+02	0.00E+00	2.78E+02		

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 610 [INDICATOR -- @ 0 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD		
186864	10/30/2013 - 10/30/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01		
		Co-58	<1.50E+01	0.00E+00	1.50E+01		
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	<2.76E+02	0.00E+00	2.76E+02		
		186979	11/6/2013 - 11/6/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01		
Co-60	<1.50E+01			0.00E+00	1.50E+01		
Zn-65	<3.00E+01			0.00E+00	3.00E+01		
Zr-95	<1.50E+01			0.00E+00	1.50E+01		
Nb-95	<1.50E+01			0.00E+00	1.50E+01		
I-131	<1.50E+01			0.00E+00	1.50E+01		
Cs-134	<1.50E+01			0.00E+00	1.50E+01		
Cs-137	<1.80E+01			0.00E+00	1.80E+01		
BaLa-140	<1.50E+01			0.00E+00	1.50E+01		
H3SW	<2.74E+02			0.00E+00	2.74E+02		
186980	11/12/2013 - 11/12/2013			Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	<2.76E+02	0.00E+00	2.76E+02		
		186981	11/19/2013 - 11/19/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01		
Co-60	<1.50E+01			0.00E+00	1.50E+01		
Zn-65	<3.00E+01			0.00E+00	3.00E+01		
Zr-95	<1.50E+01			0.00E+00	1.50E+01		
Nb-95	<1.50E+01			0.00E+00	1.50E+01		
I-131	<1.50E+01			0.00E+00	1.50E+01		
Cs-134	<1.50E+01			0.00E+00	1.50E+01		
Cs-137	<1.80E+01			0.00E+00	1.80E+01		
BaLa-140	<1.50E+01			0.00E+00	1.50E+01		
H3SW	<2.75E+02			0.00E+00	2.75E+02		
186982	11/26/2013 - 11/26/2013			Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	<2.76E+02	0.00E+00	2.76E+02		

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

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

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD		
186983	12/3/2013 - 12/3/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01		
		Co-58	<1.50E+01	0.00E+00	1.50E+01		
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	<2.80E+02	0.00E+00	2.80E+02		
		186984	12/10/2013 - 12/10/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01		
Co-60	<1.50E+01			0.00E+00	1.50E+01		
Zn-65	<3.00E+01			0.00E+00	3.00E+01		
Zr-95	<1.50E+01			0.00E+00	1.50E+01		
Nb-95	<1.50E+01			0.00E+00	1.50E+01		
I-131	<1.50E+01			0.00E+00	1.50E+01		
Cs-134	<1.50E+01			0.00E+00	1.50E+01		
Cs-137	<1.80E+01			0.00E+00	1.80E+01		
BaLa-140	<1.50E+01			0.00E+00	1.50E+01		
H3SW	<2.80E+02			0.00E+00	2.80E+02		
186985	12/17/2013 - 12/17/2013			Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	<2.80E+02	0.00E+00	2.80E+02		
		186986	12/24/2013 - 12/24/2013	Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
Fe-59	<3.00E+01			0.00E+00	3.00E+01		
Co-60	<1.50E+01			0.00E+00	1.50E+01		
Zn-65	<3.00E+01			0.00E+00	3.00E+01		
Zr-95	<1.50E+01			0.00E+00	1.50E+01		
Nb-95	<1.50E+01			0.00E+00	1.50E+01		
I-131	<1.50E+01			0.00E+00	1.50E+01		
Cs-134	<1.50E+01			0.00E+00	1.50E+01		
Cs-137	<1.80E+01			0.00E+00	1.80E+01		
BaLa-140	<1.50E+01			0.00E+00	1.50E+01		
H3SW	<2.81E+02			0.00E+00	2.81E+02		
186987	12/31/2013 - 12/31/2013			Mn-54	<1.50E+01	0.00E+00	1.50E+01
				Co-58	<1.50E+01	0.00E+00	1.50E+01
		Fe-59	<3.00E+01	0.00E+00	3.00E+01		
		Co-60	<1.50E+01	0.00E+00	1.50E+01		
		Zn-65	<3.00E+01	0.00E+00	3.00E+01		
		Zr-95	<1.50E+01	0.00E+00	1.50E+01		
		Nb-95	<1.50E+01	0.00E+00	1.50E+01		
		I-131	<1.50E+01	0.00E+00	1.50E+01		
		Cs-134	<1.50E+01	0.00E+00	1.50E+01		
		Cs-137	<1.80E+01	0.00E+00	1.80E+01		
		BaLa-140	<1.50E+01	0.00E+00	1.50E+01		
		H3SW	<2.86E+02	0.00E+00	2.86E+02		

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 1 [INDICATOR - E @ 1.1 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
114998	2/15/2013 - 2/15/2013	mR/Std Qtr	1.05E+01
262095	4/2/2013 - 7/1/2013	mR/Std Qtr	9.0
272213	7/1/2013 - 10/3/2013	mR/Std Qtr	10.7
280994	10/3/2013 - 1/3/2014	mR/Std Qtr	9.5

Sample Point 2 [INDICATOR - ESE @ 0.9 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
114999	2/15/2013 - 2/15/2013	mR/Std Qtr	1.19E+01
262047	4/2/2013 - 7/1/2013	mR/Std Qtr	9.0
272214	7/1/2013 - 10/3/2013	mR/Std Qtr	11.9
280995	10/3/2013 - 1/3/2014	mR/Std Qtr	9.5

Sample Point 3 [INDICATOR - SE @ 0.9 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
115000	2/15/2013 - 2/15/2013	mR/Std Qtr	9.50E+00
262048	4/2/2013 - 7/1/2013	mR/Std Qtr	10.1
272215	7/1/2013 - 10/3/2013	mR/Std Qtr	9.9
281022	10/3/2013 - 1/3/2014	mR/Std Qtr	9.8

Sample Point 4 [INDICATOR - SSE @ 1.1 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
115001	2/15/2013 - 2/15/2013	mR/Std Qtr	1.02E+01
262049	4/2/2013 - 7/1/2013	mR/Std Qtr	8.9
272216	7/1/2013 - 10/3/2013	mR/Std Qtr	10.4
280996	10/3/2013 - 1/3/2014	mR/Std Qtr	10.0

Sample Point 5 [INDICATOR - S @ 1.1 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
115002	2/15/2013 - 2/15/2013	mR/Std Qtr	1.06E+01
262050	4/2/2013 - 7/1/2013	mR/Std Qtr	9.1
272217	7/1/2013 - 10/3/2013	mR/Std Qtr	10.6
280997	10/3/2013 - 1/3/2014	mR/Std Qtr	8.5

Sample Point 6 [INDICATOR - SSW @ 1.6 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
115003	2/15/2013 - 2/15/2013	mR/Std Qtr	9.70E+00

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 6 [INDICATOR - SSW @ 1.6 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
262051	4/2/2013 - 7/1/2013	mR/Std Qtr	8.9
272218	7/1/2013 - 10/3/2013	mR/Std Qtr	9.7
280998	10/3/2013 - 1/3/2014	mR/Std Qtr	8.3

Sample Point 7 [INDICATOR - SW @ 1.1 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
115004	2/15/2013 - 2/15/2013	mR/Std Qtr	9.90E+00
262052	4/2/2013 - 7/1/2013	mR/Std Qtr	9.5
272219	7/1/2013 - 10/3/2013	mR/Std Qtr	10.1
280999	10/3/2013 - 1/3/2014	mR/Std Qtr	9.6

Sample Point 8 [INDICATOR - W @ 1.2 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
115005	2/15/2013 - 2/15/2013	mR/Std Qtr	9.70E+00
262056	4/2/2013 - 7/1/2013	mR/Std Qtr	8.7
272220	7/1/2013 - 10/3/2013	mR/Std Qtr	9.7
281000	10/3/2013 - 1/3/2014	mR/Std Qtr	8.7

Sample Point 9 [INDICATOR - WNW @ 1 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
115006	2/15/2013 - 2/15/2013	mR/Std Qtr	9.00E+00
262053	4/2/2013 - 7/1/2013	mR/Std Qtr	8.5
272221	7/1/2013 - 10/3/2013	mR/Std Qtr	8.9
281001	10/3/2013 - 1/3/2014	mR/Std Qtr	8.6

Sample Point 10 [INDICATOR - NW @ 0.8 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
115007	2/15/2013 - 2/15/2013	mR/Std Qtr	9.20E+00
262054	4/2/2013 - 7/1/2013	mR/Std Qtr	8.5
272222	7/1/2013 - 10/3/2013	mR/Std Qtr	9.7
281002	10/3/2013 - 1/3/2014	mR/Std Qtr	8.4

Sample Point 11 [INDICATOR - NNW @ 0.9 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
115008	2/15/2013 - 2/15/2013	mR/Std Qtr	9.60E+00
262055	4/2/2013 - 7/1/2013	mR/Std Qtr	9.3

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 11 [INDICATOR - NNW @ 0.9 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
272244	7/1/2013 - 10/3/2013	mR/Std Qtr	9.8
281003	10/3/2013 - 1/3/2014	mR/Std Qtr	9.2

Sample Point 12 [INDICATOR - N @ 1.1 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
115009	2/15/2013 - 2/15/2013	mR/Std Qtr	1.01E+01
262057	4/2/2013 - 7/1/2013	mR/Std Qtr	9.2
272238	7/1/2013 - 10/3/2013	mR/Std Qtr	10.3
281023	10/3/2013 - 1/3/2014	mR/Std Qtr	9.1

Sample Point 13 [INDICATOR - NNE @ 1.2 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
115010	2/15/2013 - 2/15/2013	mR/Std Qtr	9.10E+00
262058	4/2/2013 - 7/1/2013	mR/Std Qtr	8.3
272239	7/1/2013 - 10/3/2013	mR/Std Qtr	8.9
281024	10/3/2013 - 1/3/2014	mR/Std Qtr	8.3

Sample Point 14 [INDICATOR - NE @ 0.5 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
115011	2/15/2013 - 2/15/2013	mR/Std Qtr	1.07E+01
262059	4/2/2013 - 7/1/2013	mR/Std Qtr	10.3
272240	7/1/2013 - 10/3/2013	mR/Std Qtr	10.6
281025	10/3/2013 - 1/3/2014	mR/Std Qtr	11.1

Sample Point 15 [INDICATOR - ENE @ 0.9 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
115012	2/15/2013 - 2/15/2013	mR/Std Qtr	1.17E+01
262060	4/2/2013 - 7/1/2013	mR/Std Qtr	10.4
272241	7/1/2013 - 10/3/2013	mR/Std Qtr	11.6
281026	10/3/2013 - 1/3/2014	mR/Std Qtr	10.7

Sample Point 16 [INDICATOR - WSW @ 1 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
115013	2/15/2013 - 2/15/2013	mR/Std Qtr	8.90E+00
262061	4/2/2013 - 7/1/2013	mR/Std Qtr	9.1
275122	7/1/2013 - 10/3/2013	mR/Std Qtr	9.1

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 16 [INDICATOR - WSW @ 1 miles]

TLD RING TLD_INNER

Sample ID:	281057	Sample Dates:	10/3/2013 - 1/3/2014	Nuclide	Activity
				mR/Std Qtr	8.9

Sample Point 17 [INDICATOR - ESE @ 1.4 miles]

TLD RING TLD_INNER

Sample ID:	115014	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.14E+01

Sample ID:	262062	Sample Dates:	4/2/2013 - 7/1/2013	Nuclide	Activity
				mR/Std Qtr	10.9

Sample ID:	275123	Sample Dates:	7/1/2013 - 10/3/2013	Nuclide	Activity
				mR/Std Qtr	11.3

Sample ID:	281058	Sample Dates:	10/3/2013 - 1/3/2014	Nuclide	Activity
				mR/Std Qtr	10.0

Sample Point 18 [INDICATOR - SE @ 1.7 miles]

TLD RING TLD_INNER

Sample ID:	115015	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.16E+01

Sample ID:	262063	Sample Dates:	4/2/2013 - 7/1/2013	Nuclide	Activity
				mR/Std Qtr	9.0

Sample ID:	275124	Sample Dates:	7/1/2013 - 10/3/2013	Nuclide	Activity
				mR/Std Qtr	11.9

Sample ID:	281059	Sample Dates:	10/3/2013 - 1/3/2014	Nuclide	Activity
				mR/Std Qtr	9.1

Sample Point 20 [INDICATOR - S @ 2.1 miles]

TLD RING TLD_INNER

Sample ID:	115016	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.14E+01

Sample ID:	262064	Sample Dates:	4/2/2013 - 7/1/2013	Nuclide	Activity
				mR/Std Qtr	8.8

Sample ID:	275125	Sample Dates:	7/1/2013 - 10/3/2013	Nuclide	Activity
				mR/Std Qtr	12.2

Sample ID:	281061	Sample Dates:	10/3/2013 - 1/3/2014	Nuclide	Activity
				mR/Std Qtr	9.2

Sample Point 21 [INDICATOR - SSW @ 2.9 miles]

TLD RING TLD_INNER

Sample ID:	115017	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	1.22E+01

Sample ID:	262065	Sample Dates:	4/2/2013 - 7/1/2013	Nuclide	Activity
				mR/Std Qtr	12.0

Sample ID:	272242	Sample Dates:	7/1/2013 - 10/3/2013	Nuclide	Activity
				mR/Std Qtr	12.8

Sample ID:	281027	Sample Dates:	10/3/2013 - 1/3/2014	Nuclide	Activity
				mR/Std Qtr	11.1

Sample Point 22 [INDICATOR - SW @ 5.3 miles]

TLD RING TLD_OUTER

Sample ID:	115018	Sample Dates:	2/15/2013 - 2/15/2013	Nuclide	Activity
				mR/Std Qtr	9.50E+00

Sample ID:	262066	Sample Dates:	4/2/2013 - 7/1/2013	Nuclide	Activity
				mR/Std Qtr	8.8

Sample ID:	272243	Sample Dates:	7/1/2013 - 10/3/2013	Nuclide	Activity
				mR/Std Qtr	9.5

Sample ID:	281028	Sample Dates:	10/3/2013 - 1/3/2014	Nuclide	Activity
				mR/Std Qtr	9.5

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 23 [INDICATOR - WSW @ 4.6 miles]

TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
115019	2/15/2013 - 2/15/2013	mR/Std Qtr	7.80E+00
262067	4/2/2013 - 7/1/2013	mR/Std Qtr	7.9
272245	7/1/2013 - 10/3/2013	mR/Std Qtr	8.1
281029	10/3/2013 - 1/3/2014	mR/Std Qtr	7.7

Sample Point 24 [INDICATOR - W @ 3 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
115020	2/15/2013 - 2/15/2013	mR/Std Qtr	1.02E+01
262068	4/2/2013 - 7/1/2013	mR/Std Qtr	9.7
272246	7/1/2013 - 10/3/2013	mR/Std Qtr	10.5
281030	10/3/2013 - 1/3/2014	mR/Std Qtr	9.7

Sample Point 25 [INDICATOR - WNW @ 8.6 miles]

TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
115021	2/15/2013 - 2/15/2013	mR/Std Qtr	9.70E+00
262069	4/2/2013 - 7/1/2013	mR/Std Qtr	9.2
272247	7/1/2013 - 10/3/2013	mR/Std Qtr	9.7
281031	10/3/2013 - 1/3/2014	mR/Std Qtr	9.4

Sample Point 26 [INDICATOR - NW @ 5.9 miles]

TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
115022	2/15/2013 - 2/15/2013	mR/Std Qtr	5.50E+00
262070	4/2/2013 - 7/1/2013	mR/Std Qtr	10.4
272248	7/1/2013 - 10/3/2013	mR/Std Qtr	11.3
281032	10/3/2013 - 1/3/2014	mR/Std Qtr	11.0

Sample Point 27 [INDICATOR - NNW @ 5.1 miles]

TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
115023	2/15/2013 - 2/15/2013	mR/Std Qtr	1.00E+01
262071	4/2/2013 - 7/1/2013	mR/Std Qtr	8.0
272249	7/1/2013 - 10/3/2013	mR/Std Qtr	9.8
281033	10/3/2013 - 1/3/2014	mR/Std Qtr	7.7

Sample Point 28 [INDICATOR - NW @ 4.2 miles]

TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
115024	2/15/2013 - 2/15/2013	mR/Std Qtr	1.04E+01

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 28 [INDICATOR - NW @ 4.2 miles]

TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
262072	4/2/2013 - 7/1/2013	mR/Std Qtr	8.7
272250	7/1/2013 - 10/3/2013	mR/Std Qtr	10.3
281034	10/3/2013 - 1/3/2014	mR/Std Qtr	9.0

Sample Point 29 [INDICATOR - SSW @ 2.6 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
115025	2/15/2013 - 2/15/2013	mR/Std Qtr	9.60E+00
262073	4/2/2013 - 7/1/2013	mR/Std Qtr	8.3
272251	7/1/2013 - 10/3/2013	mR/Std Qtr	9.0
281035	10/3/2013 - 1/3/2014	mR/Std Qtr	8.4

Sample Point 30 [INDICATOR - NE @ 2 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
115026	2/15/2013 - 2/15/2013	mR/Std Qtr	1.26E+01
262074	4/2/2013 - 7/1/2013	mR/Std Qtr	9.5
272252	7/1/2013 - 10/3/2013	mR/Std Qtr	12.0
281036	10/3/2013 - 1/3/2014	mR/Std Qtr	9.6

Sample Point 31 [INDICATOR - ENE @ 2.5 miles]

TLD RING TLD_INNER

Sample ID:	Sample Dates:	Nuclide	Activity
115027	2/15/2013 - 2/15/2013	mR/Std Qtr	1.25E+01
262075	4/2/2013 - 7/1/2013	mR/Std Qtr	10.0
272253	7/1/2013 - 10/3/2013	mR/Std Qtr	12.3
281037	10/3/2013 - 1/3/2014	mR/Std Qtr	11.6

Sample Point 32 [INDICATOR - ENE @ 5.8 miles]

TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
115028	2/15/2013 - 2/15/2013	mR/Std Qtr	1.22E+01
272254	7/1/2013 - 10/3/2013	mR/Std Qtr	12.0
281038	10/3/2013 - 1/3/2014	mR/Std Qtr	11.6

Sample Point 33 [INDICATOR - E @ 4.1 miles]

TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
115029	2/15/2013 - 2/15/2013	mR/Std Qtr	9.00E+00
262077	4/2/2013 - 7/1/2013	mR/Std Qtr	8.2
272255	7/1/2013 - 10/3/2013	mR/Std Qtr	9.0

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 33 [INDICATOR - E @ 4.1 miles]

TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
281039	10/3/2013 - 1/3/2014	mR/Std Qtr	8.1

Sample Point 34 [INDICATOR - E @ 5.4 miles]

TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
115030	2/15/2013 - 2/15/2013	mR/Std Qtr	1.00E+01

Sample ID:	Sample Dates:	Nuclide	Activity
262078	4/2/2013 - 7/1/2013	mR/Std Qtr	8.7

Sample ID:	Sample Dates:	Nuclide	Activity
272256	7/1/2013 - 10/3/2013	mR/Std Qtr	10.1

Sample ID:	Sample Dates:	Nuclide	Activity
281040	10/3/2013 - 1/3/2014	mR/Std Qtr	8.7

Sample Point 35 [INDICATOR - SSE @ 7.3 miles]

TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
115031	2/15/2013 - 2/15/2013	mR/Std Qtr	8.40E+00

Sample ID:	Sample Dates:	Nuclide	Activity
262079	4/2/2013 - 7/1/2013	mR/Std Qtr	8.0

Sample ID:	Sample Dates:	Nuclide	Activity
272257	7/1/2013 - 10/3/2013	mR/Std Qtr	8.4

Sample ID:	Sample Dates:	Nuclide	Activity
281041	10/3/2013 - 1/3/2014	mR/Std Qtr	7.5

Sample Point 36 [INDICATOR - NE @ 8.9 miles]

TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
115032	2/15/2013 - 2/15/2013	mR/Std Qtr	9.90E+00

Sample ID:	Sample Dates:	Nuclide	Activity
262080	4/2/2013 - 7/1/2013	mR/Std Qtr	8.7

Sample ID:	Sample Dates:	Nuclide	Activity
272258	7/1/2013 - 10/3/2013	mR/Std Qtr	9.8

Sample ID:	Sample Dates:	Nuclide	Activity
281042	10/3/2013 - 1/3/2014	mR/Std Qtr	8.9

Sample Point 37 [INDICATOR - NW @ 5.5 miles]

TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
115033	2/15/2013 - 2/15/2013	mR/Std Qtr	8.80E+00

Sample ID:	Sample Dates:	Nuclide	Activity
262081	4/2/2013 - 7/1/2013	mR/Std Qtr	7.5

Sample ID:	Sample Dates:	Nuclide	Activity
272259	7/1/2013 - 10/3/2013	mR/Std Qtr	9.4

Sample ID:	Sample Dates:	Nuclide	Activity
281043	10/3/2013 - 1/3/2014	mR/Std Qtr	7.5

Sample Point 38 [INDICATOR - W @ 11 miles]

TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
115034	2/15/2013 - 2/15/2013	mR/Std Qtr	1.00E+01

Sample ID:	Sample Dates:	Nuclide	Activity
262082	4/2/2013 - 7/1/2013	mR/Std Qtr	8.8

Sample ID:	Sample Dates:	Nuclide	Activity
272260	7/1/2013 - 10/3/2013	mR/Std Qtr	10.3

Sample ID:	Sample Dates:	Nuclide	Activity
281044	10/3/2013 - 1/3/2014	mR/Std Qtr	8.7

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 39 [INDICATOR - SW @ 5.3 miles]

TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
115035	2/15/2013 - 2/15/2013	mR/Std Qtr	1.24E+01
262083	4/2/2013 - 7/1/2013	mR/Std Qtr	12.1
272261	7/1/2013 - 10/3/2013	mR/Std Qtr	11.8
281045	10/3/2013 - 1/3/2014	mR/Std Qtr	12.1

Sample Point 40 [INDICATOR - WSW @ 6.9 miles]

TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
115036	2/15/2013 - 2/15/2013	mR/Std Qtr	1.08E+01
262084	4/2/2013 - 7/1/2013	mR/Std Qtr	11.6
272262	7/1/2013 - 10/3/2013	mR/Std Qtr	10.9
281046	10/3/2013 - 1/3/2014	mR/Std Qtr	11.5

Sample Point 75 [INDICATOR - S @ 4.7 miles]

TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
115037	2/15/2013 - 2/15/2013	mR/Std Qtr	1.13E+01
262085	4/2/2013 - 7/1/2013	mR/Std Qtr	9.3
272263	7/1/2013 - 10/3/2013	mR/Std Qtr	10.6
281047	10/3/2013 - 1/3/2014	mR/Std Qtr	9.1

Sample Point 76 [INDICATOR - SSW @ 4.8 miles]

TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
115038	2/15/2013 - 2/15/2013	mR/Std Qtr	1.32E+01
262086	4/2/2013 - 7/1/2013	mR/Std Qtr	10.2
272264	7/1/2013 - 10/3/2013	mR/Std Qtr	13.0
281048	10/3/2013 - 1/3/2014	mR/Std Qtr	10.1

Sample Point 77 [INDICATOR - S @ 5.4 miles]

TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
115039	2/15/2013 - 2/15/2013	mR/Std Qtr	9.40E+00
262087	4/2/2013 - 7/1/2013	mR/Std Qtr	7.0
272265	7/1/2013 - 10/3/2013	mR/Std Qtr	10.5
281049	10/3/2013 - 1/3/2014	mR/Std Qtr	7.3

Sample Point 78 [INDICATOR - NNE @ 9.9 miles]

TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
115040	2/15/2013 - 2/15/2013	mR/Std Qtr	9.40E+00

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 78 [INDICATOR - NNE @ 9.9 miles]

TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
262088	4/2/2013 - 7/1/2013	mR/Std Qtr	8.8
272266	7/1/2013 - 10/3/2013	mR/Std Qtr	9.7
281050	10/3/2013 - 1/3/2014	mR/Std Qtr	8.5

Sample Point 79 [INDICATOR - N @ 9.5 miles]

TLD RING TLD_OUTER

Sample ID:	Sample Dates:	Nuclide	Activity
115041	2/15/2013 - 2/15/2013	mR/Std Qtr	1.18E+01
262089	4/2/2013 - 7/1/2013	mR/Std Qtr	8.8
272267	7/1/2013 - 10/3/2013	mR/Std Qtr	11.9
281051	10/3/2013 - 1/3/2014	mR/Std Qtr	9.3

Sample Point 81 [CONTROL - WNW @ 9.9 miles]

TLD RING TLD_CTRL

Sample ID:	Sample Dates:	Nuclide	Activity
115042	2/15/2013 - 2/15/2013	mR/Std Qtr	1.22E+01
262090	4/2/2013 - 7/1/2013	mR/Std Qtr	10.3
272268	7/1/2013 - 10/3/2013	mR/Std Qtr	12.9
281052	10/3/2013 - 1/3/2014	mR/Std Qtr	9.5

Sample Point 82 [INDICATOR - NNE @ 0.17 miles]

TLD RING ISFSI

Sample ID:	Sample Dates:	Nuclide	Activity
289355	2/13/2013 - 2/13/2013	mR/Std Qtr	46.3
262091	4/2/2013 - 7/1/2013	mR/Std Qtr	38.3
272269	7/1/2013 - 10/3/2013	mR/Std Qtr	49.3
281053	10/3/2013 - 1/3/2014	mR/Std Qtr	45.2

Sample Point 83 [INDICATOR - NE @ 0.27 miles]

TLD RING ISFSI

Sample ID:	Sample Dates:	Nuclide	Activity
289357	2/13/2013 - 2/13/2013	mR/Std Qtr	23.8
262092	4/2/2013 - 7/1/2013	mR/Std Qtr	23.9
272270	7/1/2013 - 10/3/2013	mR/Std Qtr	27.4
281054	10/3/2013 - 1/3/2014	mR/Std Qtr	26.1

Sample Point 84 [INDICATOR - NE @ 0.27 miles]

TLD RING ISFSI

Sample ID:	Sample Dates:	Nuclide	Activity
289358	2/13/2013 - 2/13/2013	mR/Std Qtr	19.5
262093	4/2/2013 - 7/1/2013	mR/Std Qtr	18.0

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 84 [INDICATOR - NE @ 0.27 miles]

TLD RING ISFSI

Sample ID:	Sample Dates:	Nuclide	Activity
272271	7/1/2013 - 10/3/2013	mR/Std Qtr	19.7
281055	10/3/2013 - 1/3/2014	mR/Std Qtr	18.9

Sample Point 85 [INDICATOR - ENE @ 0.09 miles]

TLD RING ISFSI

Sample ID:	Sample Dates:	Nuclide	Activity
289359	2/13/2013 - 2/13/2013	mR/Std Qtr	53.6
262094	4/2/2013 - 7/1/2013	mR/Std Qtr	48.7
272272	7/1/2013 - 10/3/2013	mR/Std Qtr	58.2
281056	10/3/2013 - 1/3/2014	mR/Std Qtr	62.6

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

Sample Point 800 [INDICATOR - NE @ 0.7 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
177499	1/1/2013 - 1/1/2013	I-131	<6.00E+01	0.00E+00	6.00E+01	WAXMYRTLE
		Cs-134	<6.00E+01	0.00E+00	6.00E+01	
		Cs-137	<8.00E+01	0.00E+00	8.00E+01	
		Be-7	2.20E+03	2.72E+02		
		K-40	2.96E+03	4.23E+02		
		Bi-214	6.90E+01	2.65E+01		
		Pb-214	8.70E+01	2.96E+01		
		Ra-226	4.40E+02	2.56E+02		
		Th-234	6.15E+02	3.55E+02		
177699	2/4/2013 - 2/4/2013	I-131	<6.00E+01	0.00E+00	6.00E+01	WAXMYRTLE
		Cs-134	<6.00E+01	0.00E+00	6.00E+01	
		Cs-137	<8.00E+01	0.00E+00	8.00E+01	
		Be-7	1.58E+03	2.06E+02		
		K-40	2.73E+03	3.54E+02		
		Pb-212	2.62E+01	1.60E+01		
		Bi-214	4.38E+01	2.29E+01		
		Pb-214	4.51E+01	2.08E+01		
		Ra-226	5.05E+02	2.08E+02		
Th-234	5.75E+02	2.98E+02				
177887	3/1/2013 - 3/1/2013	I-131	<6.00E+01	0.00E+00	6.00E+01	WAXMYRTLE
		Cs-134	<6.00E+01	0.00E+00	6.00E+01	
		Cs-137	<8.00E+01	0.00E+00	8.00E+01	
		Be-7	1.72E+03	2.20E+02		
		K-40	2.57E+03	3.55E+02		
		Pb-212	2.22E+01	1.81E+01		
		Bi-214	6.49E+01	2.24E+01		
		Ra-226	3.72E+02	2.13E+02		
		Th-234	2.83E+02	2.68E+02		
178046	4/1/2013 - 4/1/2013	I-131	<6.00E+01	0.00E+00	6.00E+01	WAXMYRTLE
		Cs-134	<6.00E+01	0.00E+00	6.00E+01	
		Cs-137	<8.00E+01	0.00E+00	8.00E+01	
		Be-7	2.09E+03	2.42E+02		
		K-40	2.51E+03	3.34E+02		
		Tl-208	1.13E+01	8.80E+00		
		Bi-214	5.31E+01	1.98E+01		
		Pb-214	4.04E+01	1.94E+01		
		Ra-226	3.60E+02	1.61E+02		
Th-234	3.74E+02	2.58E+02				
179054	5/1/2013 - 5/1/2013	I-131	<6.00E+01	0.00E+00	6.00E+01	WAXMYRTLE

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 800 [INDICATOR - NE @ 0.7 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
179054	5/1/2013 - 5/1/2013	Cs-134	<6.00E+01	0.00E+00	6.00E+01	WAXMYRTLE
		Cs-137	<8.00E+01	0.00E+00	8.00E+01	
		Be-7	2.07E+03	2.37E+02		
		K-40	3.35E+03	3.85E+02		
		Tl-208	1.38E+01	7.94E+00		
		Bi-214	6.61E+01	2.08E+01		
		Pb-214	6.32E+01	2.04E+01		
		Ra-226	2.47E+02	1.38E+02		
		Th-234	4.74E+02	2.49E+02		
259497	6/3/2013 - 6/3/2013	I-131	<1.93E+01	0.00E+00	1.93E+01	WAXMYRTLE
		Cs-134	<1.73E+01	0.00E+00	1.73E+01	
		Cs-137	<2.07E+01	0.00E+00	2.07E+01	
		Be-7	3.96E+02	8.18E+01	1.14E+02	
		K-40	3.25E+03	2.32E+02	2.42E+02	
261972	7/1/2013 - 7/1/2013	I-131	<2.34E+01	0.00E+00	2.34E+01	WAXMYRTLE
		Cs-134	<1.79E+01	0.00E+00	1.79E+01	
		Cs-137	<1.70E+01	0.00E+00	1.70E+01	
		Be-7	7.54E+02	1.06E+02	1.52E+02	
		K-40	3.00E+03	2.50E+02	1.98E+02	
265050	8/1/2013 - 8/1/2013	I-131	<3.12E+01	0.00E+00	3.12E+01	WAXMYRTLE
		Cs-134	<1.68E+01	0.00E+00	1.68E+01	
		Cs-137	<2.07E+01	0.00E+00	2.07E+01	
		Be-7	1.04E+03	1.10E+02	1.76E+02	
		K-40	2.29E+03	1.97E+02	2.18E+02	
269518	9/3/2013 - 9/3/2013	I-131	<2.76E+01	0.00E+00	2.76E+01	WAXMYRTLE
		Cs-134	<1.82E+01	0.00E+00	1.82E+01	
		Cs-137	<1.68E+01	0.00E+00	1.68E+01	
		Be-7	1.85E+03	1.34E+02	1.47E+02	
		K-40	3.42E+03	2.42E+02	1.98E+02	
272371	10/1/2013 - 10/1/2013	I-131	<2.03E+01	0.00E+00	2.03E+01	WAXMYRTLE
		Cs-134	<2.11E+01	0.00E+00	2.11E+01	
		Cs-137	<2.89E+01	0.00E+00	2.89E+01	
		Be-7	1.02E+03	1.24E+02	1.78E+02	
		K-40	4.25E+02	2.12E+02	2.02E+02	
275238	11/4/2013 - 11/4/2013	I-131	<4.34E+01	0.00E+00	4.34E+01	WAXMYRTLE
		Cs-134	<3.96E+01	0.00E+00	3.96E+01	
		Cs-137	<3.88E+01	0.00E+00	3.88E+01	
		Be-7	1.68E+03	2.13E+02	2.68E+02	
		K-40	2.62E+03	3.47E+02	5.49E+02	
279504	12/2/2013 - 12/2/2013	I-131	<2.72E+01	0.00E+00	2.72E+01	WAXMYRTLE
		Cs-134	<2.39E+01	0.00E+00	2.39E+01	
		Cs-137	<3.74E+01	0.00E+00	3.74E+01	
		Be-7	7.39E+02	1.16E+02	2.19E+02	
		K-40	1.66E+03	2.35E+02	8.98E+01	

Sample Point 801 [INDICATOR - SW @ 0.8 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
177500	1/1/2013 - 1/1/2013	I-131	<6.00E+01	0.00E+00	6.00E+01	WAXMYRTLE
		Cs-134	<6.00E+01	0.00E+00	6.00E+01	
		Cs-137	<8.00E+01	0.00E+00	8.00E+01	
		Be-7	2.88E+03	3.29E+02		
		K-40	3.35E+03	4.33E+02		
		Tl-208	1.10E+01	1.03E+01		
		Pb-212	2.31E+01	1.98E+01		
		Bi-214	1.07E+02	2.84E+01		

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 801 [INDICATOR - SW @ 0.8 miles]

Sample ID	Sample Dates	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype
177500	1/1/2013 - 1/1/2013	Pb-214	1.06E+02	3.03E+01		WAXMYRTLE
		Ra-226	2.84E+02	2.44E+02		
		Th-234	5.09E+02	2.95E+02		
177700	2/4/2013 - 2/4/2013	I-131	<6.00E+01	0.00E+00	6.00E+01	WAXMYRTLE
		Cs-134	<6.00E+01	0.00E+00	6.00E+01	
		Cs-137	<8.00E+01	0.00E+00	8.00E+01	
		Be-7	1.52E+03	2.08E+02		
		K-40	3.35E+03	4.06E+02		
		Tl-208	2.49E+01	1.20E+01		
		Pb-212	5.68E+01	1.93E+01		
		Bi-214	3.29E+01	2.22E+01		
		Pb-214	5.98E+01	2.37E+01		
		Ra-226	4.97E+02	2.30E+02		
177888	3/1/2013 - 3/1/2013	I-131	<6.00E+01	0.00E+00	6.00E+01	WAXMYRTLE
		Cs-134	<6.00E+01	0.00E+00	6.00E+01	
		Cs-137	<8.00E+01	0.00E+00	8.00E+01	
		Be-7	2.37E+03	2.69E+02		
		K-40	2.84E+03	3.54E+02		
		Tl-208	1.17E+01	9.78E+00		
		Bi-214	8.34E+01	2.41E+01		
		Pb-214	4.49E+01	2.40E+01		
		Ra-226	3.56E+02	2.16E+02		
		Th-234	6.44E+02	2.70E+02		
178047	4/1/2013 - 4/1/2013	I-131	<6.00E+01	0.00E+00	6.00E+01	WAXMYRTLE
		Cs-134	<6.00E+01	0.00E+00	6.00E+01	
		Cs-137	<8.00E+01	0.00E+00	8.00E+01	
		Be-7	2.09E+03	2.52E+02		
		K-40	3.56E+03	4.25E+02		
		Tl-208	1.58E+01	9.54E+00		
		Pb-212	1.59E+01	1.56E+01		
		Bi-214	3.88E+01	2.18E+01		
		Ra-226	3.32E+02	2.21E+02		
		179055	5/1/2013 - 5/1/2013	I-131	<6.00E+01	
Cs-134	<6.00E+01			0.00E+00	6.00E+01	
Cs-137	<8.00E+01			0.00E+00	8.00E+01	
Be-7	1.21E+03			1.70E+02		
K-40	3.18E+03			3.71E+02		
Tl-208	1.11E+01			8.30E+00		
Bi-214	6.81E+01			2.10E+01		
Pb-214	4.72E+01			1.82E+01		
Ra-226	3.20E+02			2.05E+02		
259498	6/3/2013 - 6/3/2013			I-131	<2.09E+01	0.00E+00
		Cs-134	<1.59E+01	0.00E+00	1.59E+01	
		Cs-137	<2.08E+01	0.00E+00	2.08E+01	
		Be-7	4.29E+02	8.85E+01	1.49E+02	
		K-40	3.06E+03	2.32E+02	2.26E+02	
261973	7/1/2013 - 7/1/2013	I-131	<2.27E+01	0.00E+00	2.27E+01	WAXMYRTLE
		Cs-134	<2.12E+01	0.00E+00	2.12E+01	
		Cs-137	<2.54E+01	0.00E+00	2.54E+01	
		Be-7	7.72E+02	9.79E+01	1.65E+02	
		K-40	3.40E+03	2.40E+02	1.75E+02	
265051	8/1/2013 - 8/1/2013	I-131	<3.20E+01	0.00E+00	3.20E+01	WAXMYRTLE
		Cs-134	<2.37E+01	0.00E+00	2.37E+01	
		Cs-137	<3.62E+01	0.00E+00	3.62E+01	
		Be-7	8.94E+02	1.54E+02	2.57E+02	

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 801 [INDICATOR - SW @ 0.8 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
265051	8/1/2013 - 8/1/2013	K-40	2.47E+03	3.04E+02	1.01E+02	WAXMYRTLE
269519	9/3/2013 - 9/3/2013	I-131	<3.17E+01	0.00E+00	3.17E+01	WAXMYRTLE
		Cs-134	<2.59E+01	0.00E+00	2.59E+01	
		Cs-137	<2.98E+01	0.00E+00	2.98E+01	
		Be-7	1.82E+03	1.87E+02	2.60E+02	
		K-40	2.50E+03	3.28E+02	3.49E+02	
272372	10/1/2013 - 10/1/2013	I-131	<2.28E+01	0.00E+00	2.28E+01	WAXMYRTLE
		Cs-134	<1.97E+01	0.00E+00	1.97E+01	
		Cs-137	<1.80E+01	0.00E+00	1.80E+01	
		Be-7	8.40E+02	1.30E+02	1.59E+02	
		K-40	2.67E+03	2.20E+02	1.80E+02	
275239	11/4/2013 - 11/4/2013	I-131	<2.56E+01	0.00E+00	2.56E+01	WAXMYRTLE
		Cs-134	<2.56E+01	0.00E+00	2.56E+01	
		Cs-137	<3.19E+01	0.00E+00	3.19E+01	
		Be-7	1.31E+03	1.62E+02	2.42E+02	
		K-40	1.78E+03	2.94E+02	2.74E+02	
279505	12/2/2013 - 12/2/2013	I-131	<3.75E+01	0.00E+00	3.75E+01	WAXMYRTLE
		Cs-134	<3.57E+01	0.00E+00	3.57E+01	
		Cs-137	<3.35E+01	0.00E+00	3.35E+01	
		Be-7	1.18E+03	1.73E+02	1.94E+02	
		K-40	2.23E+03	2.86E+02	2.76E+02	

Sample Point 802 [CONTROL - -- @ 10.1 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:			
177501	1/1/2013 - 1/1/2013	I-131	<6.00E+01	0.00E+00	6.00E+01	WAXMYRTLE			
		Cs-134	<6.00E+01	0.00E+00	6.00E+01				
		Cs-137	<8.00E+01	0.00E+00	8.00E+01				
		Be-7	2.11E+03	2.62E+02					
		K-40	2.15E+03	3.35E+02					
		Tl-208	1.78E+01	1.29E+01					
		Pb-212	2.21E+01	2.06E+01					
		Bi-214	1.36E+02	3.36E+01					
		Pb-214	1.16E+02	3.00E+01					
		Ra-226	5.48E+02	2.37E+02					
		Ac-228	7.96E+01	4.14E+01					
		Th-234	4.78E+02	3.00E+02					
		177701	2/4/2013 - 2/4/2013	I-131	<6.00E+01		0.00E+00	6.00E+01	WAXMYRTLE
Cs-134	<6.00E+01			0.00E+00	6.00E+01				
Cs-137	<8.00E+01			0.00E+00	8.00E+01				
Be-7	2.96E+03			3.24E+02					
K-40	2.93E+03			3.76E+02					
Tl-208	2.11E+01			1.13E+01					
Pb-212	4.96E+01			1.83E+01					
Bi-214	6.71E+01			2.46E+01					
Pb-214	7.49E+01			2.65E+01					
Ra-226	4.69E+02			2.52E+02					
Ac-228	1.15E+02			4.24E+01					
177889	3/1/2013 - 3/1/2013			I-131	<6.00E+01	0.00E+00	6.00E+01	WAXMYRTLE	
				Cs-134	<6.00E+01	0.00E+00	6.00E+01		
		Cs-137	<8.00E+01	0.00E+00	8.00E+01				
		Be-7	5.46E+03	5.30E+02					
		K-40	2.24E+03	3.15E+02					
		Pb-212	3.76E+01	1.96E+01					
		Bi-214	7.63E+01	2.30E+01					
		Pb-214	8.64E+01	2.67E+01					
		Ra-226	5.78E+02	2.35E+02					

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 802 [CONTROL - - @ 10.1 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:			
178048	4/1/2013 - 4/1/2013	I-131	<6.00E+01	0.00E+00	6.00E+01	WAXMYRTLE			
		Cs-134	<6.00E+01	0.00E+00	6.00E+01				
		Cs-137	<8.00E+01	0.00E+00	8.00E+01				
		Be-7	3.21E+03	3.40E+02					
		K-40	2.07E+03	2.92E+02					
		Tl-208	1.37E+01	9.30E+00					
		Pb-212	2.72E+01	1.81E+01					
		Bi-214	9.77E+01	2.57E+01					
		Pb-214	8.72E+01	2.28E+01					
		Ra-226	8.54E+02	2.38E+02					
		Th-234	5.16E+02	2.86E+02					
		179056	5/1/2013 - 5/1/2013	I-131	<6.00E+01		0.00E+00	6.00E+01	WAXMYRTLE
				Cs-134	<6.00E+01		0.00E+00	6.00E+01	
Cs-137	<8.00E+01			0.00E+00	8.00E+01				
Be-7	2.15E+03			2.48E+02					
K-40	2.66E+03			3.31E+02					
Tl-208	1.65E+01			1.03E+01					
Pb-212	3.20E+01			1.70E+01					
Bi-214	3.73E+01			1.76E+01					
Pb-214	5.14E+01			2.22E+01					
Ra-226	5.52E+02			2.17E+02					
Ac-228	5.67E+01			3.01E+01					
Th-234	2.65E+02			2.44E+02					
259499	6/3/2013 - 6/3/2013			I-131	<2.51E+01	0.00E+00	2.51E+01	WAXMYRTLE	
		Cs-134	<2.13E+01	0.00E+00	2.13E+01				
		Cs-137	2.71E+01	9.10E+00	2.11E+01				
		Be-7	8.22E+02	1.00E+02	1.45E+02				
		K-40	2.47E+03	2.21E+02	2.15E+02				
261974	7/1/2013 - 7/1/2013	I-131	<1.99E+01	0.00E+00	1.99E+01	WAXMYRTLE			
		Cs-134	<1.77E+01	0.00E+00	1.77E+01				
		Cs-137	<2.80E+01	0.00E+00	2.80E+01				
		Be-7	1.21E+03	1.30E+02	1.60E+02				
		K-40	2.99E+03	2.27E+02	1.15E+02				
265052	8/1/2013 - 8/1/2013	I-131	<2.93E+01	0.00E+00	2.93E+01	WAXMYRTLE			
		Cs-134	<2.12E+01	0.00E+00	2.12E+01				
		Cs-137	1.64E+01	9.57E+00	2.10E+01				
		Be-7	1.27E+03	1.26E+02	1.90E+02				
		K-40	2.77E+03	2.43E+02	1.76E+02				
269520	9/3/2013 - 9/3/2013	I-131	<1.87E+01	0.00E+00	1.87E+01	WAXMYRTLE			
		Cs-134	<1.72E+01	0.00E+00	1.72E+01				
		Cs-137	<2.71E+01	0.00E+00	2.71E+01				
		Be-7	1.59E+03	1.28E+02	1.66E+02				
		K-40	1.87E+03	2.00E+02	2.03E+02				
272373	10/1/2013 - 10/1/2013	I-131	<1.67E+01	0.00E+00	1.67E+01	WAXMYRTLE			
		Cs-134	<1.66E+01	0.00E+00	1.66E+01				
		Cs-137	<2.35E+01	0.00E+00	2.35E+01				
		Be-7	2.09E+03	1.35E+02	1.35E+02				
		K-40	2.75E+03	2.28E+02	2.22E+02				
275240	11/4/2013 - 11/4/2013	I-131	<2.87E+01	0.00E+00	2.87E+01	WAXMYRTLE			
		Cs-134	<1.69E+01	0.00E+00	1.69E+01				
		Cs-137	<2.34E+01	0.00E+00	2.34E+01				
		Be-7	1.20E+03	1.22E+02	1.63E+02				
		K-40	1.83E+03	1.72E+02	1.66E+02				
279506	12/2/2013 - 12/2/2013	I-131	<3.91E+01	0.00E+00	3.91E+01	WAXMYRTLE			

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 802 [CONTROL - -- @ 10.1 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
279506	12/2/2013 - 12/2/2013					WAXMYRTLE
		Cs-134	<2.92E+01	0.00E+00	2.92E+01	
		Cs-137	<3.93E+01	0.00E+00	3.93E+01	
		Be-7	1.75E+03	2.41E+02	3.06E+02	
		K-40	2.88E+03	3.44E+02	3.78E+02	

Sample Point 803 [INDICATOR - SSE @ 0.6 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
177502	1/1/2013 - 1/1/2013					WAXMYRTLE
		I-131	<6.00E+01	0.00E+00	6.00E+01	
		Cs-134	<6.00E+01	0.00E+00	6.00E+01	
		Cs-137	<8.00E+01	0.00E+00	8.00E+01	
		Be-7	1.88E+03	2.24E+02		
		K-40	1.92E+03	2.74E+02		
		Pb-212	2.80E+01	2.34E+01		
		Bi-214	1.69E+02	3.05E+01		
		Pb-214	1.51E+02	2.95E+01		
		Ra-226	3.87E+02	1.96E+02		
		Th-234	6.50E+02	2.86E+02		

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
177702	2/4/2013 - 2/4/2013					WAXMYRTLE
		I-131	<6.00E+01	0.00E+00	6.00E+01	
		Cs-134	<6.00E+01	0.00E+00	6.00E+01	
		Cs-137	<8.00E+01	0.00E+00	8.00E+01	
		Be-7	1.84E+03	2.25E+02		
		K-40	2.30E+03	3.14E+02		
		Tl-208	1.75E+01	9.30E+00		
		Pb-212	2.88E+01	2.35E+01		
		Bi-214	9.40E+01	2.54E+01		
		Pb-214	9.49E+01	2.50E+01		
		Ra-226	4.91E+02	1.94E+02		
		Th-234	3.33E+02	2.88E+02		

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
177890	3/1/2013 - 3/1/2013					WAXMYRTLE
		I-131	<6.00E+01	0.00E+00	6.00E+01	
		Cs-134	<6.00E+01	0.00E+00	6.00E+01	
		Cs-137	<8.00E+01	0.00E+00	8.00E+01	
		Be-7	2.26E+03	2.60E+02		
		K-40	3.30E+03	3.98E+02		
		Pb-212	1.65E+01	1.46E+01		
		Bi-214	3.68E+01	2.06E+01		
		Pb-214	2.66E+01	2.05E+01		
		Ra-226	3.40E+02	2.22E+02		
		Th-234	4.55E+02	2.87E+02		

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
178049	4/1/2013 - 4/1/2013					WAXMYRTLE
		I-131	<6.00E+01	0.00E+00	6.00E+01	
		Cs-134	<6.00E+01	0.00E+00	6.00E+01	
		Cs-137	<8.00E+01	0.00E+00	8.00E+01	
		Be-7	2.50E+03	2.88E+02		
		K-40	3.32E+03	4.13E+02		
		Pb-212	3.98E+01	2.08E+01		
		Bi-214	4.31E+01	1.93E+01		
		Ra-226	3.78E+02	2.41E+02		
		Th-234	4.23E+02	3.15E+02		

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
179057	5/1/2013 - 5/1/2013					WAXMYRTLE
		I-131	<6.00E+01	0.00E+00	6.00E+01	
		Cs-134	<6.00E+01	0.00E+00	6.00E+01	
		Cs-137	<8.00E+01	0.00E+00	8.00E+01	
		Be-7	1.37E+03	1.76E+02		
		K-40	3.00E+03	3.57E+02		
		Bi-214	4.60E+01	1.66E+01		
		Pb-214	3.14E+01	1.70E+01		
		Ra-226	3.23E+02	1.73E+02		
		Th-234	2.94E+02	2.22E+02		

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
259500	6/3/2013 - 6/3/2013					WAXMYRTLE
		I-131	<2.36E+01	0.00E+00	2.36E+01	
		Cs-134	<1.61E+01	0.00E+00	1.61E+01	

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 803 [INDICATOR - SSE @ 0.6 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
259500	6/3/2013 - 6/3/2013	Cs-137	<2.92E+01	0.00E+00	2.92E+01	WAXMYRTLE
		Be-7	4.69E+02	9.08E+01	2.27E+02	
		K-40	2.43E+03	2.56E+02	2.00E+02	
261975	7/1/2013 - 7/1/2013	I-131	<3.20E+01	0.00E+00	3.20E+01	WAXMYRTLE
		Cs-134	<2.41E+01	0.00E+00	2.41E+01	
		Cs-137	<2.27E+01	0.00E+00	2.27E+01	
		Be-7	7.96E+02	1.57E+02	2.24E+02	
		K-40	1.50E+03	2.45E+02	3.77E+02	
265053	8/1/2013 - 8/1/2013	I-131	<3.59E+01	0.00E+00	3.59E+01	WAXMYRTLE
		Cs-134	<2.48E+01	0.00E+00	2.48E+01	
		Cs-137	<3.92E+01	0.00E+00	3.92E+01	
		Be-7	1.17E+03	1.80E+02	2.72E+02	
		K-40	2.01E+03	2.78E+02	4.06E+02	
269521	9/3/2013 - 9/3/2013	I-131	<2.01E+01	0.00E+00	2.01E+01	WAXMYRTLE
		Cs-134	<1.81E+01	0.00E+00	1.81E+01	
		Cs-137	<2.34E+01	0.00E+00	2.34E+01	
		Be-7	1.31E+03	1.56E+02	1.98E+02	
		K-40	3.05E+03	2.25E+02	2.22E+02	
272374	10/1/2013 - 10/1/2013	I-131	<2.05E+01	0.00E+00	2.05E+01	WAXMYRTLE
		Cs-134	<1.51E+01	0.00E+00	1.51E+01	
		Cs-137	<2.32E+01	0.00E+00	2.32E+01	
		Be-7	1.17E+03	1.14E+02	1.47E+02	
		K-40	2.08E+03	2.09E+02	2.45E+02	
275241	11/4/2013 - 11/4/2013	I-131	<2.78E+01	0.00E+00	2.78E+01	WAXMYRTLE
		Cs-134	<2.16E+01	0.00E+00	2.16E+01	
		Cs-137	<2.22E+01	0.00E+00	2.22E+01	
		Be-7	1.05E+03	1.68E+02	1.75E+02	
		K-40	2.08E+03	2.26E+02	3.13E+02	
279507	12/2/2013 - 12/2/2013	I-131	<2.34E+01	0.00E+00	2.34E+01	WAXMYRTLE
		Cs-134	<2.28E+01	0.00E+00	2.28E+01	
		Cs-137	<2.83E+01	0.00E+00	2.83E+01	
		Be-7	8.00E+02	9.06E+01	1.83E+02	
		K-40	2.13E+03	2.27E+02	2.16E+02	

Sample Point 804 [INDICATOR - S @ 0.7 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
177503	1/1/2013 - 1/1/2013	I-131	<6.00E+01	0.00E+00	6.00E+01	WAXMYRTLE
		Cs-134	<6.00E+01	0.00E+00	6.00E+01	
		Cs-137	<8.00E+01	0.00E+00	8.00E+01	
		Be-7	4.70E+03	4.80E+02		
		K-40	3.36E+03	4.23E+02		
		Tl-208	1.16E+01	1.12E+01		
		Pb-212	2.94E+01	1.13E+01		
		Bi-214	1.34E+02	3.05E+01		
		Pb-214	8.47E+01	3.11E+01		
		Ra-226	6.12E+02	2.87E+02		
		177703	2/4/2013 - 2/4/2013	I-131	<6.00E+01	
Cs-134	<6.00E+01			0.00E+00	6.00E+01	
Cs-137	<8.00E+01			0.00E+00	8.00E+01	
Be-7	9.29E+02			1.49E+02		
K-40	2.62E+03			3.41E+02		
Tl-208	2.05E+01			1.12E+01		
Pb-212	3.55E+01			1.68E+01		
Bi-214	5.09E+01			2.21E+01		
Pb-214	3.34E+01			2.12E+01		

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 804 [INDICATOR - S @ 0.7 miles]

Sample ID	Sample Dates	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype
177703	2/4/2013 - 2/4/2013	Ra-226	2.33E+02	2.00E+02		WAXMYRTLLE
177891	3/1/2013 - 3/1/2013	I-131	<6.00E+01	0.00E+00	6.00E+01	WAXMYRTLLE
		Cs-134	<6.00E+01	0.00E+00	6.00E+01	
		Cs-137	<8.00E+01	0.00E+00	8.00E+01	
		Be-7	2.89E+03	3.19E+02		
		K-40	3.20E+03	4.02E+02		
		Bi-214	4.59E+01	2.41E+01		
		Pb-214	4.56E+01	2.50E+01		
178050	4/1/2013 - 4/1/2013	I-131	<6.00E+01	0.00E+00	6.00E+01	WAXMYRTLLE
		Cs-134	<6.00E+01	0.00E+00	6.00E+01	
		Cs-137	<8.00E+01	0.00E+00	8.00E+01	
		Be-7	1.25E+03	1.78E+02		
		K-40	2.60E+03	3.46E+02		
		Bi-214	7.91E+01	2.46E+01		
		Pb-214	6.16E+01	2.19E+01		
		Ra-226	3.91E+02	1.55E+02		
		Th-234	4.33E+02	2.55E+02		
179058	5/1/2013 - 5/1/2013	I-131	<6.00E+01	0.00E+00	6.00E+01	WAXMYRTLLE
		Cs-134	<6.00E+01	0.00E+00	6.00E+01	
		Cs-137	<8.00E+01	0.00E+00	8.00E+01	
		Be-7	9.48E+02	1.41E+02		
		K-40	2.70E+03	3.25E+02		
		Pb-212	2.33E+01	1.32E+01		
		Bi-214	4.48E+01	2.04E+01		
		Pb-214	2.96E+01	1.62E+01		
		Ra-226	4.43E+02	1.75E+02		
		Th-234	2.53E+02	2.22E+02		
259501	6/3/2013 - 6/3/2013	I-131	<2.47E+01	0.00E+00	2.47E+01	WAXMYRTLLE
		Cs-134	<2.04E+01	0.00E+00	2.04E+01	
		Cs-137	<2.40E+01	0.00E+00	2.40E+01	
		Be-7	2.90E+02	8.19E+01	1.33E+02	
		K-40	3.37E+03	2.31E+02	1.78E+02	
261976	7/1/2013 - 7/1/2013	I-131	<2.83E+01	0.00E+00	2.83E+01	WAXMYRTLLE
		Cs-134	<2.42E+01	0.00E+00	2.42E+01	
		Cs-137	<2.37E+01	0.00E+00	2.37E+01	
		Be-7	1.20E+03	1.19E+02	1.78E+02	
		K-40	4.00E+03	2.88E+02	2.47E+02	
265054	8/1/2013 - 8/1/2013	I-131	<4.07E+01	0.00E+00	4.07E+01	WAXMYRTLLE
		Cs-134	<1.85E+01	0.00E+00	1.85E+01	
		Cs-137	<2.70E+01	0.00E+00	2.70E+01	
		Be-7	1.16E+03	1.52E+02	2.30E+02	
		K-40	2.59E+03	2.60E+02	2.76E+02	
269522	9/3/2013 - 9/3/2013	I-131	<3.04E+01	0.00E+00	3.04E+01	WAXMYRTLLE
		Cs-134	<1.95E+01	0.00E+00	1.95E+01	
		Cs-137	<3.91E+01	0.00E+00	3.91E+01	
		Be-7	8.63E+02	1.56E+02	2.01E+02	
		K-40	2.36E+03	2.86E+02	3.10E+02	
272375	10/1/2013 - 10/1/2013	I-131	<2.52E+01	0.00E+00	2.52E+01	WAXMYRTLLE
		Cs-134	<1.95E+01	0.00E+00	1.95E+01	
		Cs-137	<2.54E+01	0.00E+00	2.54E+01	
		Be-7	4.51E+02	9.59E+01	1.64E+02	
		K-40	1.68E+03	2.15E+02	2.86E+02	

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



Brunswick Radiological Environmental Monitoring Analysis Report - 2013 (Appendix E)

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

Sample Point 804 [INDICATOR - S @ 0.7 miles]

Sample ID:	Sample Dates:	Nuclide	Activity	Sigma Error ⁽¹⁾	LLD	Subtype:
275242	11/4/2013 - 11/4/2013	I-131	<2.96E+01	0.00E+00	2.96E+01	WAXMYRTLE
		Cs-134	<1.97E+01	0.00E+00	1.97E+01	
		Cs-137	<2.56E+01	0.00E+00	2.56E+01	
		Be-7	5.00E+02	9.89E+01	1.74E+02	
		K-40	6.81E+02	1.90E+02	1.38E+02	
279508	12/2/2013 - 12/2/2013	I-131	<3.71E+01	0.00E+00	3.71E+01	WAXMYRTLE
		Cs-134	<2.77E+01	0.00E+00	2.77E+01	
		Cs-137	<2.70E+01	0.00E+00	2.70E+01	
		Be-7	5.45E+02	1.56E+02	1.67E+02	
		K-40	1.82E+03	2.78E+02	2.47E+02	

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



APPENDIX F

**ERRATA TO
PREVIOUS REPORTS**

There are no Errata to previous BSEP reports included in the BSEP 2013 Radiological Environmental Operating Report.