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2015 Environmental Monitoring Program Data Report Volume I

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Savannah River Site

2015 Environmental Monitoring Program Data Report

Volume I

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PREFACE

The SRS Environmental Monitoring Program consists of both nonradiological and radiological monitoring of the environment within the SRS boundary and a 2,000-square-mile area beyond the Site's boundary. The purpose of this monitoring is to determine impacts, if any, from SRS operations to the surrounding communities and the environment.

This document presents data from Savannah River Site (SRS) routine effluent monitoring, environmental surveillance and groundwater monitoring programs. Volume I presents the routine effluent monitoring and environmental surveillance data. Volume II presents the groundwater monitoring program data. Information in this document is summarized in the *Savannah River Site Environmental Report for 2015* (SRNS-RP-2016-00089), referred to hereafter as the ASER. Every effort has been made to present the data in this report in the same order in which it is discussed in the ASER.

The data provided in this report is used to:

- Meet requirements of multiple environmental permits under which SRS operates,
- Meet requirements of DOE Order 458.1, "Radiation Protection of the Public and the Environment," that established as annual public dose standard for the public and biota dose limits for plants and animals that are at levels that would provide protection of the public and environment from the effects of radiation resulting from DOE activities,
- Meet groundwater sampling requirements identified in the Federal Facility Agreement for the Savannah River Site approved monitoring plans and Resource Conservation and Recovery Act permits.

Volume I:

Tables 1 through 3 provide general information supporting the remaining tables present in this document.

Tables 4 through 13 present the raw data summarized in Chapter 4, "Nonradiological Environmental Monitoring Program" of the *2015 Annual Site Environmental Report*.

Tables 14 through 43 present the raw data summarized in Chapter 5, "Radiological Environmental Monitoring Program" of the *2015 Annual Site Environmental Report*.

Table 44 through 48 present the raw data summarized in Chapter 8, "Quality Assurance" of the *2015 Annual Site Environmental Report*.

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SAMPLING LOCATION INFORMATION

Note: This section contains sampling location abbreviations used in the text and/or on the sampling location maps. It also contains a list of sampling locations known by more than one name (see next page).

Location Abbreviations	Location Name/Other Applicable Information
4M	Fourmile
4MB	Fourmile Branch (Fourmile Creek)
4MC	Fourmile Creek
BDC	Beaver Dam Creek
BG	Burial Ground
BLTW	Burke and Screven Counties Wells (Georgia)
EAV	E-Area Vaults
FM	Four Mile
FMB	Fourmile Branch (Fourmile Creek)
GSTW	Burke and Screven Counties Wells (Georgia)
HP	HP (sampling location designation only; not an actual abbreviation)
HWY	Highway
JAX	SRS Boundary Wells
KP	Kennedy Pond
L3R	Lower Three Runs
MHTW	Burke and Screven Counties Wells (Georgia)
MPTW	Burke and Screven Counties Wells (Georgia)
MSB	SRS Boundary Wells
NRC	Nuclear Regulatory Commission
NSB L&D	New Savannah Bluff Lock & Dam (Augusta Lock and Dam)
PAR	"P" and "R" Pond
PB	Pen Branch
RM	River Mile
SC	Steel Creek
SWDF	Solid Waste Disposal Facility
TB	Tims Branch
TC	Tinker Creek
TNX	Multipurpose Pilot Plant Campus
TR	Burke and Screven Counties Wells (Georgia)
U3R	Upper Three Runs
VEGP	Vogtle Electric Generating Plan (Plant Vogtle)

Sampling Locations Known by More Than One Name
Augusta Lock and Dam; New Savannah River Lock & Dam
Beaver Dam Creek; 400-D
Fourmile Creek–2B; Fourmile Creek at Road C
Fourmile Creek–3A; Fourmile Creek at Road C
Lower Three Runs–2; Lower Three Runs at Patterson Mill Road
Lower Three Runs–3; Lower Three Runs at Highway 125
Pen Branch–3; Pen Branch at Road A-13-2
R-Area downstream of R–1; 100-R
River Mile 118.8; U.S. Highway 301 Bridge Area; Highway 301, US 301
River Mile 129.1; Lower Three Runs Mouth
River Mile 141.5; Steel Creek Boat Ramp
River Mile 150.4; Vogtle Discharge
River Mile 152.1; Beaver Dam Creek Mouth
River Mile 157.2; Upper Three Runs Mouth
River Mile 160.0; Dernier Landing
Steel Creek at Road A; Steel Creek–4; Steel Creek–4 at Road A; Steel Creek at Highway 125
Tims Branch at Road C; Tims Branch–5
Tinker Creek at Kennedy Pond; Tinker Creek–1
Upper Three Runs–4; Upper Three Runs–4 at Road A; Upper Three Runs at Road A; Upper Three Runs at Hwy 125
Upper Three Runs–1A; Upper Three Runs–1A at Road 8-1
Upper Three Runs–3; Upper Three Runs–3 at Road C
Highway 17 Bridge; Houlihan Bridge

RADIONUCLIDE AND CHEMICAL NOMENCLATURE

Nomenclature and Half-Life for Radionuclides					
Radionuclide	Symbol	Half-life ^{a,b}	Radionuclide	Symbol	Half-life ^{a,b}
Actinium-228	Ac-228	6.15 h	Iodine-129	I-129	1.57x10 ⁷ y
Americium-241	Am-241	432.7 y	Iodine-131	I-131	8.023 d
Americium-243	Am-243	7.37x10 ³ y	Iodine-133	I-133	20.8 h
Antimony-124	Sb-124	60.20 d	Krypton-85	Kr-85	10.76 y
Antimony-125	Sb-125	2.758 y	Lead-212	Pb-212	10.64 h
Argon-39	Ar-39	269 y	Lead-214	Pb-214	27 m
Barium-133	Ba-133	10.538 y	Manganese-54	Mn-54	312.1 d
Beryllium-7	Be-7	53.3 d	Mercury-203	Hg-203	46.61 d
Bismuth-212	Bi-212	1.009 h	Neptunium-237	Np-237	2.14x10 ⁶ y
Bismuth-214	Bi-214	19.9 m	Neptunium-239	Np-239	2.356 d
Carbon-14	C-14	5,715 y	Nickel-59	Ni-59	7.6x10 ⁴ y
Cerium-141	Ce-141	32.50 d	Nickel-63	Ni-63	101 y
Cerium-144	Ce-144	284.6 d	Niobium-94	Nb-94	2.0x10 ⁴ y
Cesium-134	Cs-134	2.065 y	Niobium-95	Nb-95	34.99 d
Cesium-137	Cs-137	30.07 y	Plutonium-238	Pu-238	87.7 y
Chromium-51	Cr-51	27.702 d	Plutonium-239	Pu-239	2.41x10 ⁴ y
Cobalt-57	Co-57	271.8 d	Plutonium-240	Pu-240	6.56x10 ³ y
Cobalt-58	Co-58	70.88 d	Plutonium-241	Pu-241	14.29 y
Cobalt-60	Co-60	5.271 y	Plutonium-242	Pu-242	3.75x10 ⁵ y
Curium-242	Cm-242	162.8 d	Potassium-40	K-40	1.25x10 ⁹ y
Curium-244	Cm-244	18.1 y	Praseodymium-144	Pr-144	17.28 m
Curium-245	Cm-245	8.5x10 ³ y	Praseodymium-144m	Pr-144m	7.2 m
Curium-246	Cm-246	4.77x10 ³ y	Promethium-147	Pm-147	2.6234 y
Europium-152	Eu-152	13.54 y	Protactinium-231	Pa-231	3.28x10 ⁴ y
Europium-154	Eu-154	8.60 y	Protactinium-233	Pa-233	26.967 d
Europium-155	Eu-155	4.75 y	Protactinium-234	Pa-234	6.69 h
^a m = minute; h = hour; d = day; y = year					
^b Reference: Chart of the Nuclides, 17th edition, revised 2010, Lockheed Martin Company					

Nomenclature and Half-Life for Radionuclides (Continued)

Radionuclide	Symbol	Half-life_{a,b}	Radionuclide	Symbol	Half-life_{a,b}
Radium-226	Ra-226	1,599 y	Thorium-234	Th-234	24.10 d
Radium-228	Ra-228	5.76 y	Tin-113	Sn-113	115.1 d
Ruthenium-103	Ru-103	39.27 d	Tin-126	Sn-126	2.3x10 ⁵ y
Ruthenium-106	Ru-106	1.017 y	Tritium (Hydrogen-3)	H-3	12.32 y
Selenium-75	Se-75	119.78 d	Uranium-232	U-232	69.8 y
Selenium-79	Se-79	2.95x10 ⁵ y	Uranium-233	U-233	1.592x10 ⁵ y
Sodium-22	Na-22	2.604 y	Uranium-234	U-234	2.46x10 ⁵ y
Strontium-89	Sr-89	50.61 d	Uranium-235	U-235	7.04x10 ⁸ y
Strontium-90	Sr-90	28.8 y	Uranium-236	U-236	2.342x10 ⁷ y
Technetium-99	Tc-99	2.13x10 ⁵ y	Uranium-238	U-238	4.468x10 ⁹ y
Thallium-208	Tl-208	3.053 m	Xenon-135	Xe-135	9.10 h
Thorium-228	Th-228	1.912 y	Zinc-65	Zn-65	244.0 d
Thorium-230	Th-230	7.56x10 ⁴ y	Zirconium-85	Zr-85	7.9 m
Thorium-232	Th-232	1.40x10 ¹⁰ y	Zirconium-95	Zr-95	64.02 d

^a m = minute; h = hour; d = day; y = year

^b Reference: Chart of the Nuclides, 17th edition, revised 2010, Lockheed Martin Company

UNITS OF MEASURE, SCIENTIFIC NOTATION, AND CONVERSION TABLES

Units of Measure			
Symbol	Name	Symbol	Name
Temperature		Concentration	
°C	degrees Centigrade	ppb	parts per billion
°F	degrees Fahrenheit	ppm	parts per million
Time		Rate	
d	day	cfs	cubic feet per second
h	hour	gpm	gallons per minute
y	year	Conductivity	
Length		μmho	micromho
cm	centimeter	Radioactivity	
ft	foot	Ci	curie
in	inch	cpm	counts per minute
km	kilometer	mCi	millicurie
m	meter	μCi	microcurie
mm	millimeter	pCi	picocurie
μm	micrometer	Bq	becquerel
Mass		Radiation Dose	
g	gram	mrad	millirad
kg	kilogram	mrem	millirem
mg	milligram	Sv	sievert
μg	microgram	mSv	millisievert
Area		μSv	microsievert
mi ²	square mile	R	roentgen

Units of Measure			
Symbol	Name	Symbol	Name
ft ²	square foot	mR	milliroentgen
Volume		μR	microroentgen
gal	gallon	Gy	gray
L	liter		
mL	milliliter		

Fractions and Multiples of Units					
Multiple	Decimal Equivalent	Prefix	Symbol	Report Format	
10 ⁶	1,000,000	mega-	M	E+06	
10 ³	1,000	kilo-	k	E+03	
10 ²	100	hecto-	h	E+02	
10	10	deka-	da	E+01	
10 ⁻¹	0.1	deci-	d	E-01	
10 ⁻²	0.01	centi-	c	E-02	
10 ⁻³	0.001	milli-	m	E-03	
10 ⁻⁶	0.000001	micro-	μ	E-06	
10 ⁻⁹	0.000000001	nano-	n	E-09	
10 ⁻¹²	0.000000000001	pico-	p	E-12	
10 ⁻¹⁵	0.000000000000001	femto-	f	E-15	
10 ⁻¹⁸	0.000000000000000001	atto-	a	E-18	

Conversion Table (Units of Radiation Measure)		
Current System	<i>Système International</i>	Conversion
curie (Ci)	becquerel (Bq)	1 Ci = 3.7x10 ¹⁰ Bq
rad (radiation absorbed dose)	gray (Gy)	1 rad = 0.01 Gy
rem (roentgen equivalent man)	sievert (Sv)	1 rem = 0.01 Sv

Conversion Table					
Multiply	By	To Obtain	Multiply	By	To Obtain
in	2.54	cm	cm	0.394	in
ft	0.305	m	m	3.28	ft
mi	1.61	km	km	0.621	mi
lb	0.4536	kg	kg	2.205	lb
liq qt-US	0.945	L	L	1.057	liq qt-US
ft ²	0.093	m ²	m ²	10.764	ft ²
mi ²	2.59	km ²	km ²	0.386	mi ²
ft ³	0.028	m ³	m ³	35.31	ft ³
d/m	0.450	pCi	pCi	2.22	d/m
pCi	10 ⁻⁶	μCi	μCi	10 ⁶	pCi
pCi/L (water)	10 ⁻⁹	μCi/mL (water)	μCi/mL (water)	10 ⁹	pCi/L (water)
pCi/m ³ (air)	10 ⁻¹²	μCi/mL (air)	μCi/mL (air)	10 ¹²	pCi/m ³ (air)

MAPS

The locations sampled for the various media types are shown on the following maps. Due to the large number of groundwater sample locations on SRS, a map is not provided as it would not be possible to discern useful information. A map is provided of the monitoring well locations in Burke and Screven counties from which groundwater samples are collected.

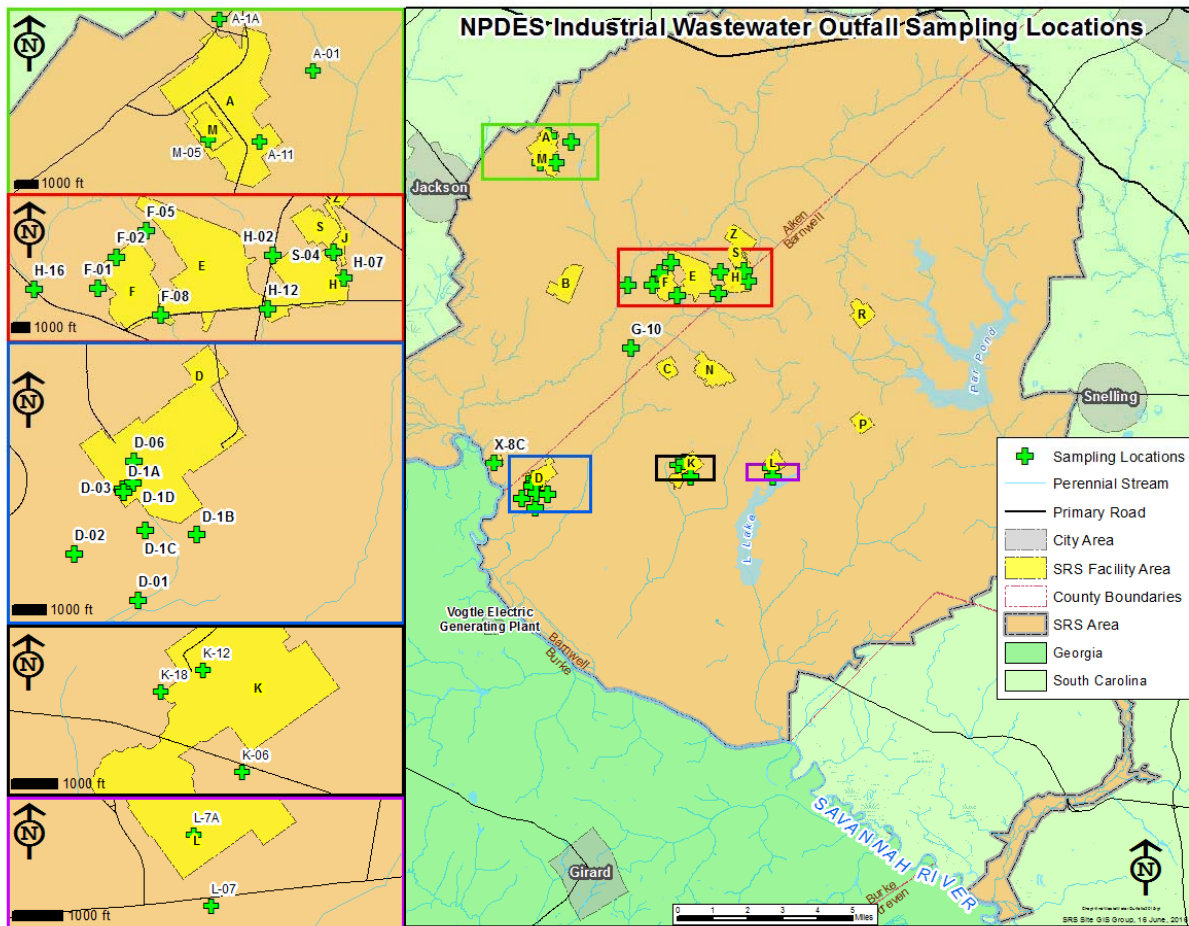


Figure 1 NPDES Industrial Wastewater Outfall Sampling Locations

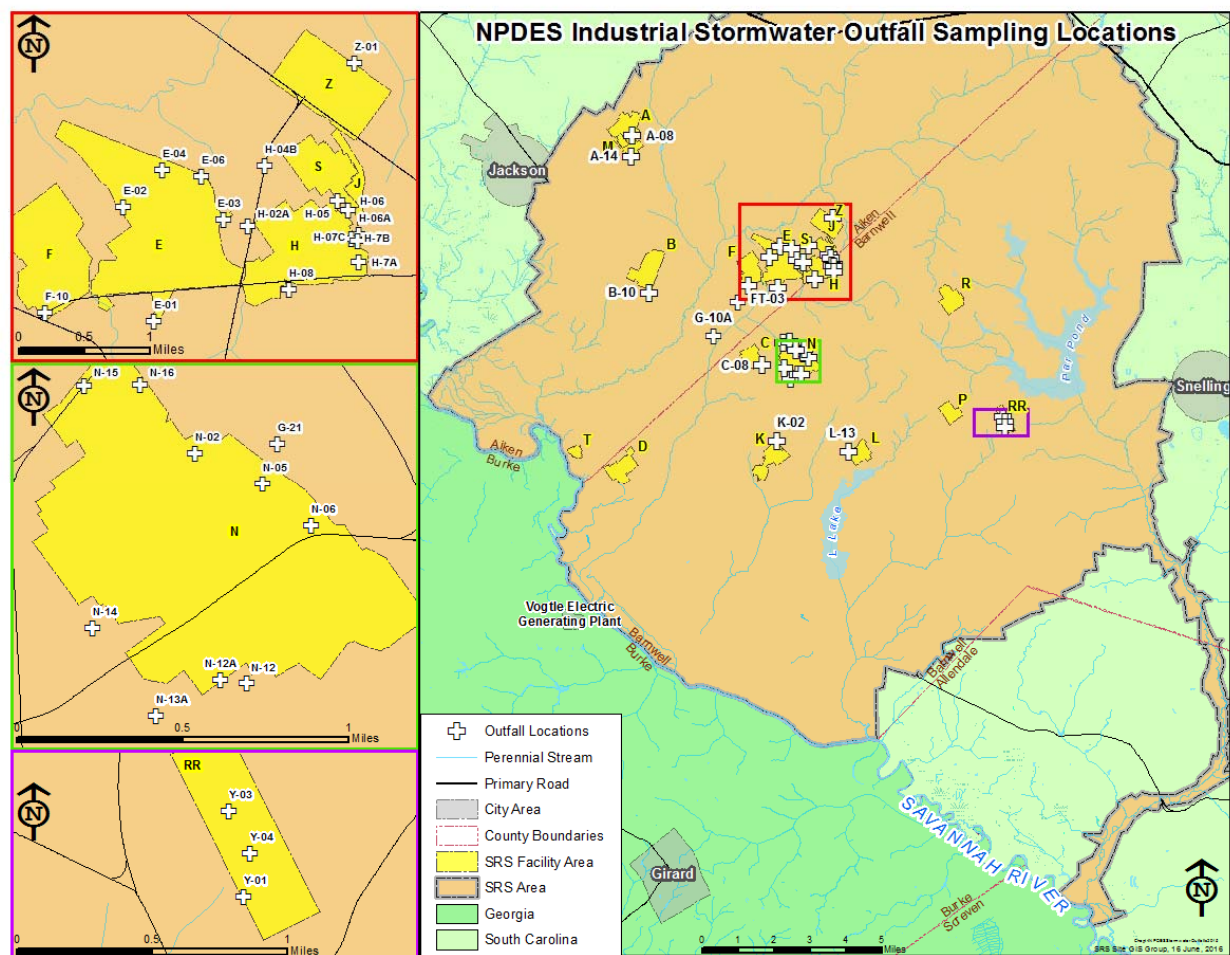
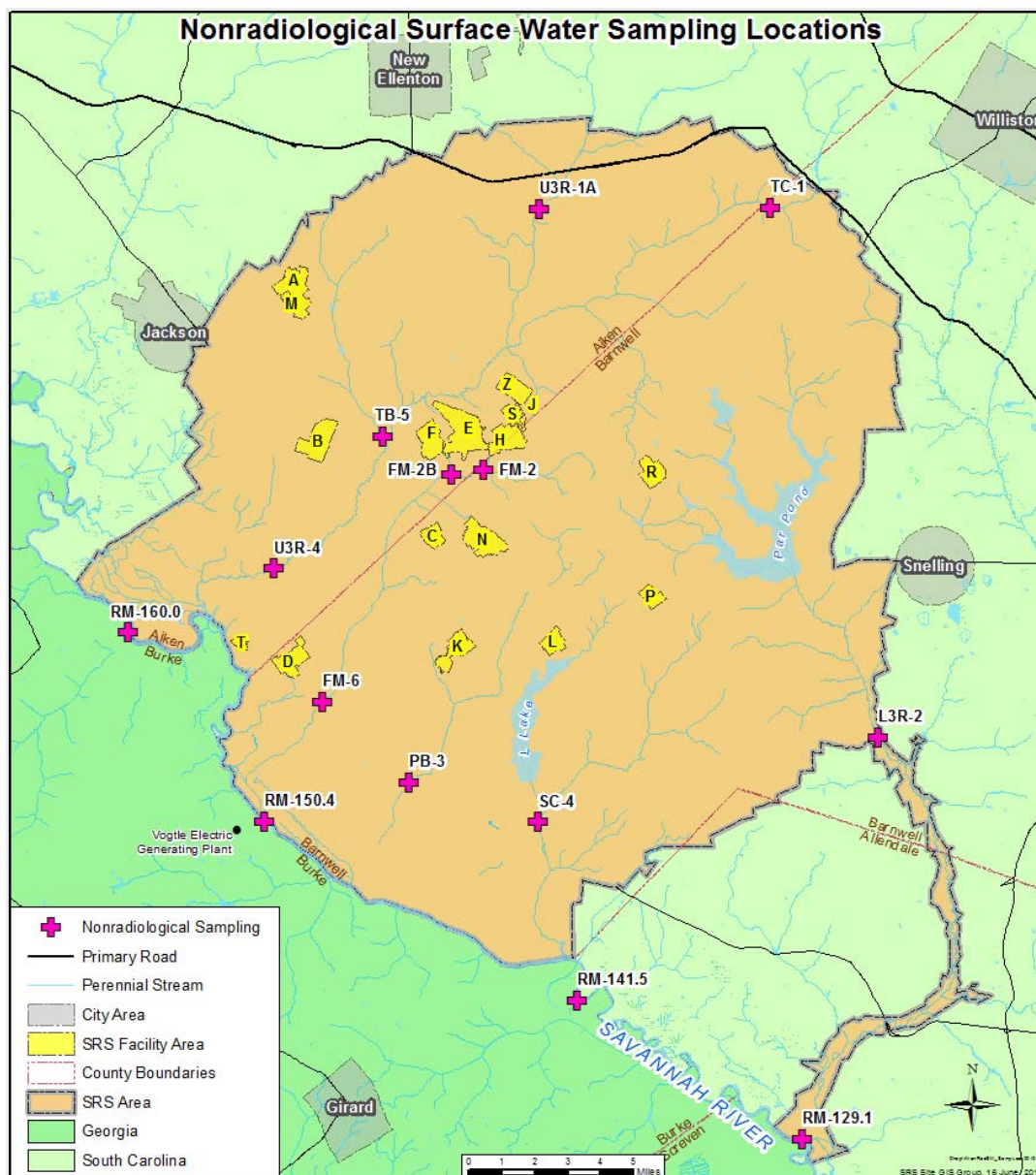


Figure 2 NPDES Industrial Stormwater Outfall Sampling Locations



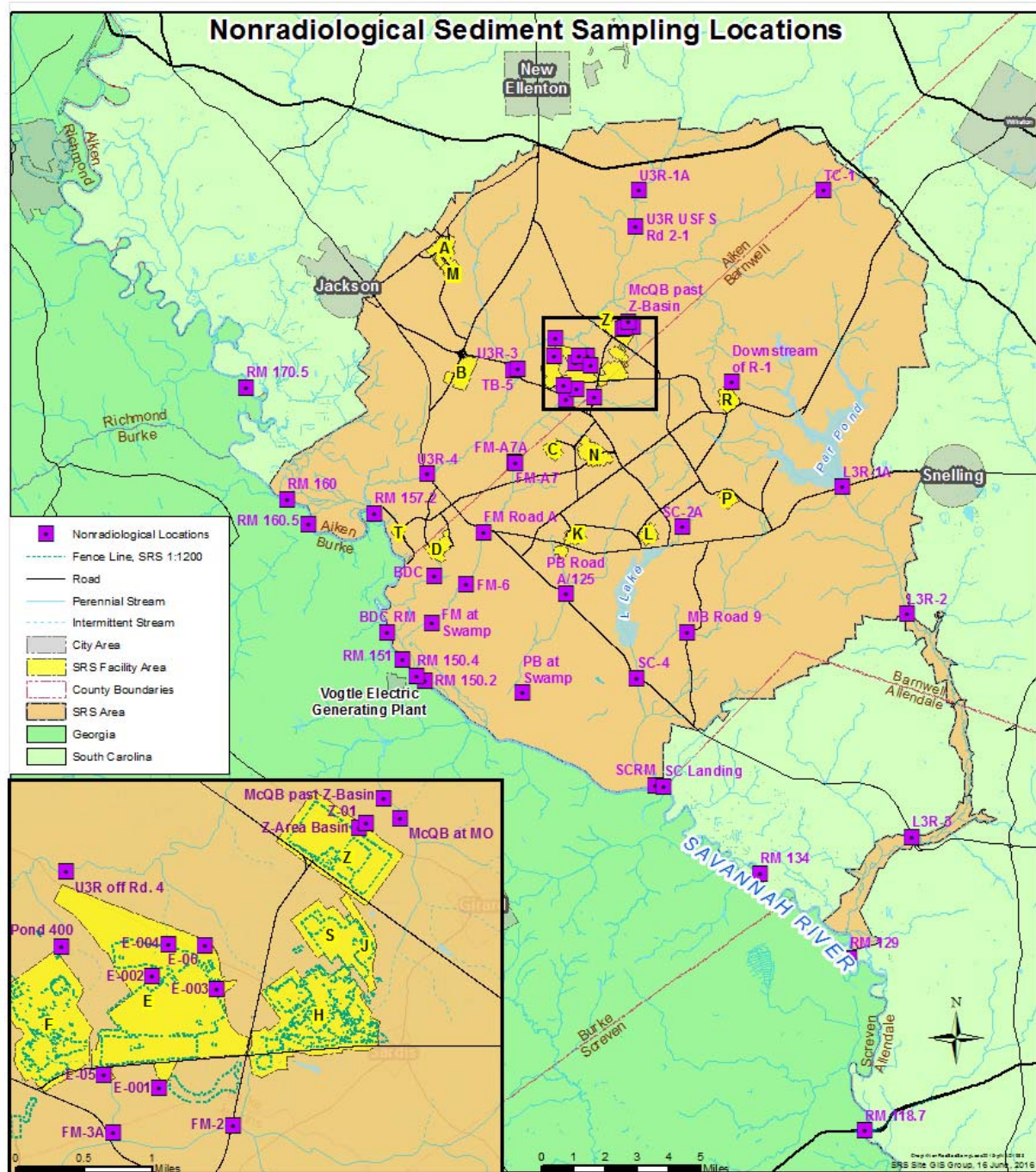


Figure 4 Nonradiological Sediment Sampling Locations

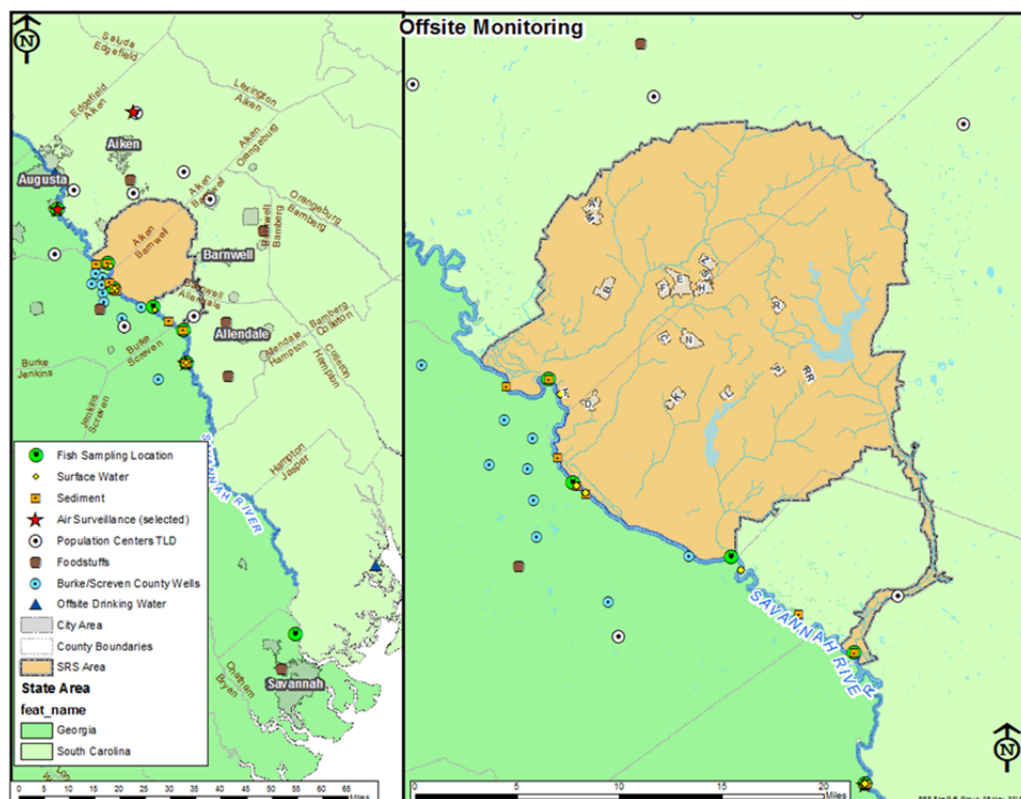


Figure 5 SRS Offsite Sampling Media Locations for Georgia and South Carolina

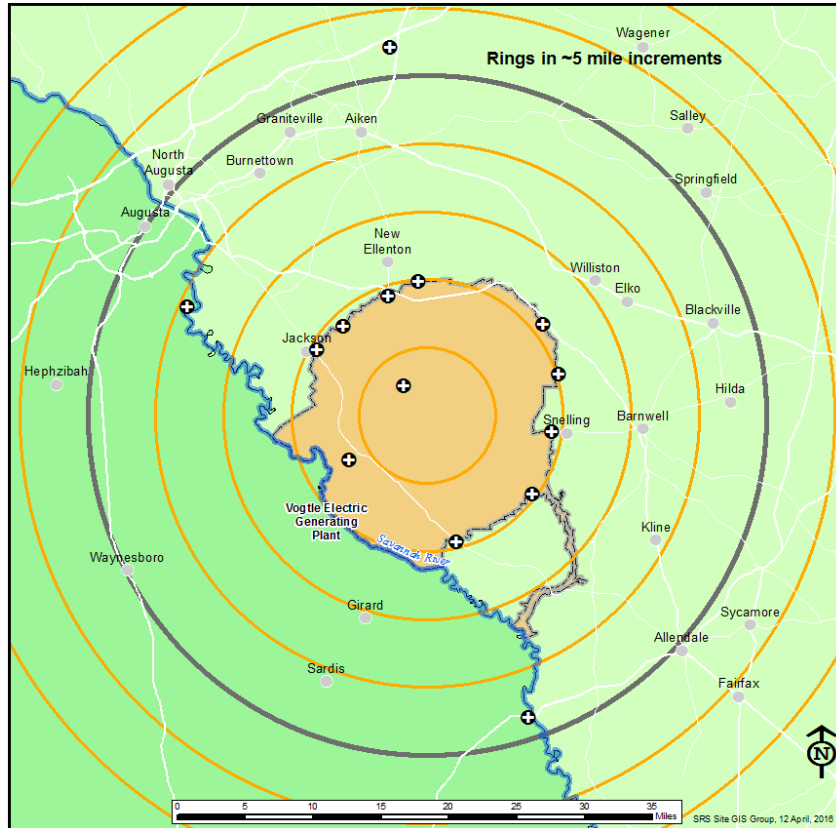


Figure 6 Air Sampling Locations Surrounding SRS up to 25 Miles

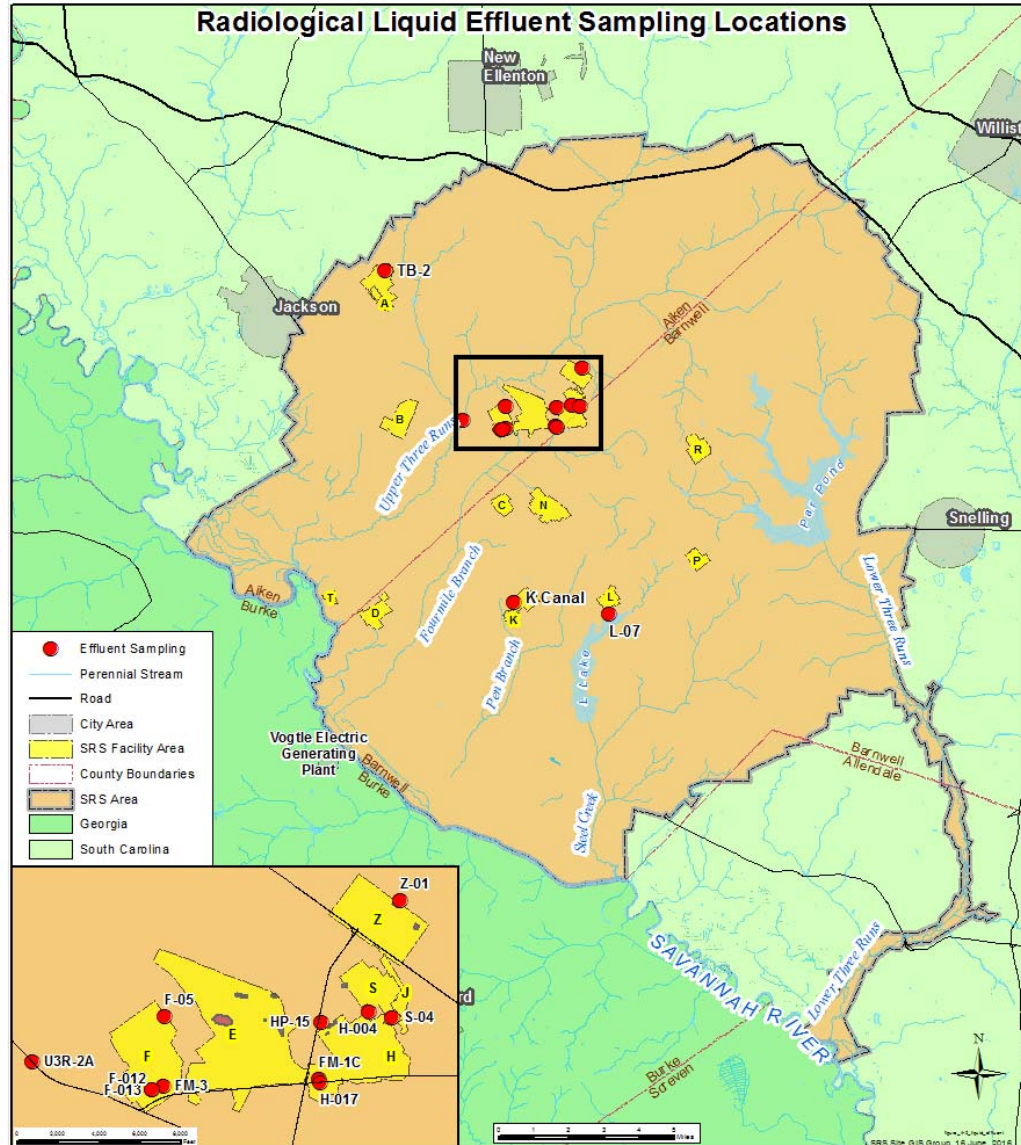


Figure 7 Radiological Liquid Effluent Sampling Locations

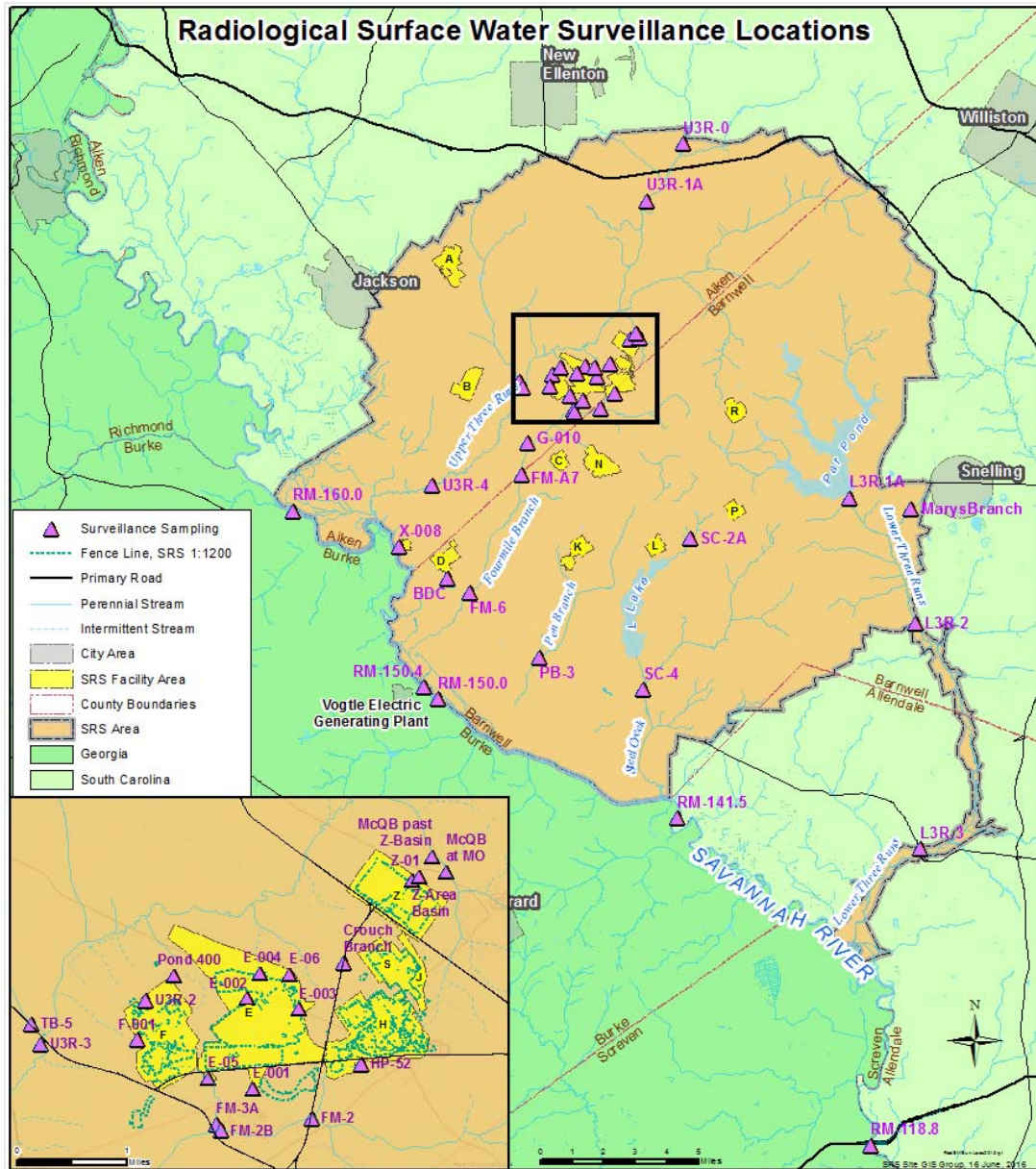


Figure 8 Radiological Surface Water Sampling Locations

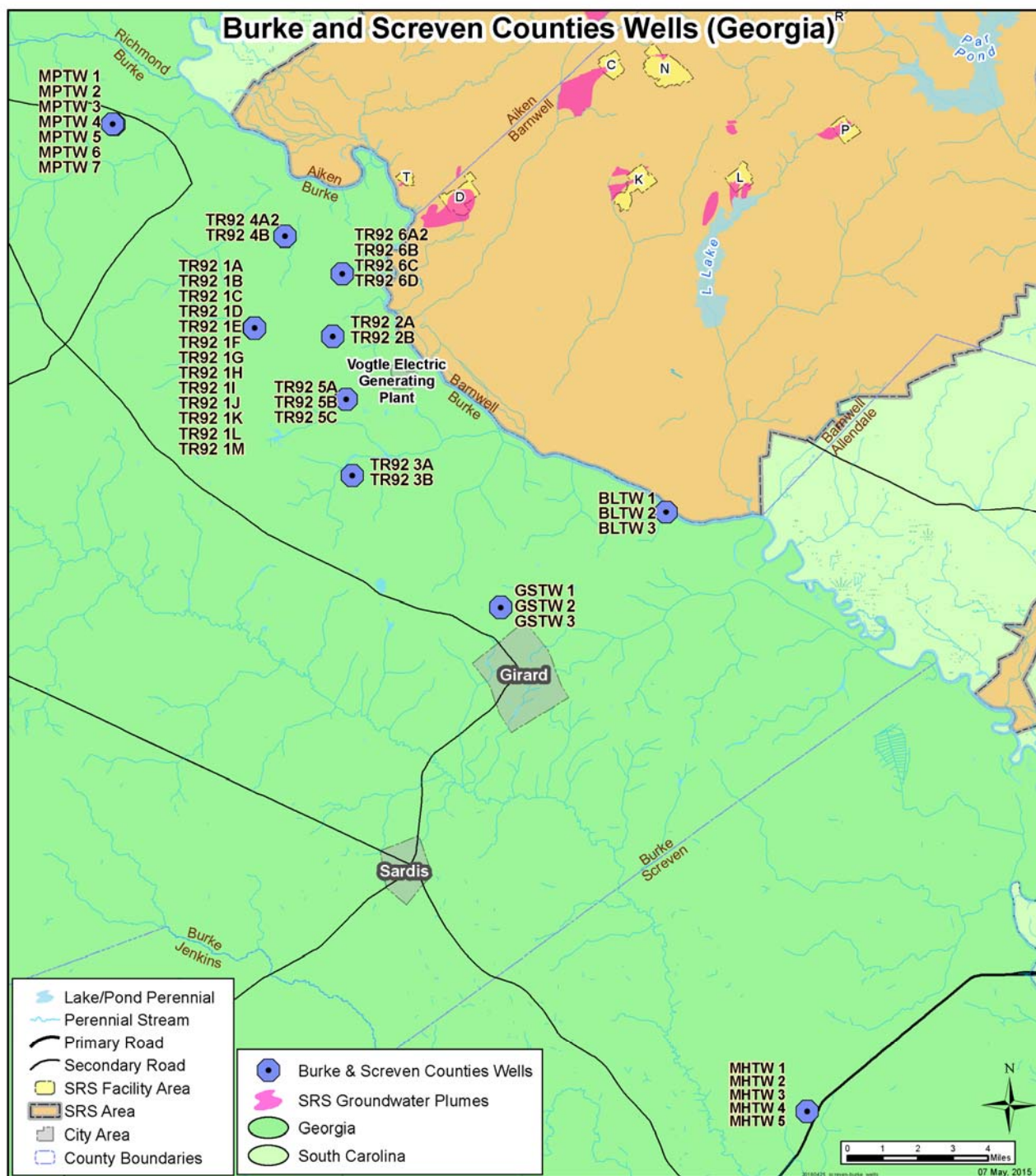


Figure 10 Location of Tritium Wells Sampled in Burke and Screven Counties, Georgia

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Sample Media Information

Table 1 Sample Media Information

Matrix	Analytical Parameter	Representative Aliquot	Analytical Method
Surveillance/Effluent Air			
	Gamma, I-129	1400 m ³	Gamma Spectroscopy
	Gross alpha-beta	1400 m ³	Gas-Flow Proportional Counting
	Tritium	3 m ³	Liquid Scintillation Counting
	Strontium-89,90	1400 m ³	Gas-Flow Proportional Counting
	Actinides	1400 m ³	Alpha Spectroscopy
Effluent Water			
	Gamma, I-129	1 L	Gamma Spectroscopy
	Gross alpha-beta	1 L	Gas-Flow Proportional Counting
	Tritium	10 mL	Liquid Scintillation Counting
	Carbon-14	150 mL	Liquid Scintillation Counting
	Strontium-89,90	1 L	Gas-Flow Proportional Counting
	Actinides	1 L	Alpha Spectroscopy
	Technetium-99	500 mL	Liquid Scintillation Counting
Stream Water			
	Gamma	1 L	Gamma Spectroscopy
	I-129	1500 mL	Gamma Spectroscopy
	Gross alpha-beta	1 L	Gas-Flow Proportional Counting
	Tritium	10 mL	Liquid Scintillation Counting
	Carbon-14	150 mL	Liquid Scintillation Counting
	Strontium-89,90	1 L	Gas-Flow Proportional Counting
	Actinides	1 L	Alpha Spectroscopy
	Technetium-99	500 mL	Liquid Scintillation Counting
River Water			
	Gamma	7.0 L	Gamma Spectroscopy
	Gross alpha-beta	1000 mL	Gas-Flow Proportional Counting
	Tritium	10 mL	Liquid Scintillation Counting
	Strontium-89,90	1000 mL	Gas-Flow Proportional Counting
	Actinides	1000 mL	Alpha Spectroscopy
	Technetium-99	1000 mL	Liquid Scintillation Counting
Drinking Water			
	Gamma	1 L	Gamma Spectroscopy
	Gross alpha-beta	1 L	Gas-Flow Proportional Counting
	Tritium	10 mL	Liquid Scintillation Counting
	Strontium-89,90	1 L	Gas-Flow Proportional Counting
	Actinides	1 L	Alpha Spectroscopy

Matrix	Analytical Parameter	Representative Aliquot	Analytical Method
Wet/Dry Deposition (Rainwater)			
	Gamma	0.37 m ²	Gamma Spectroscopy
	Gross alpha-beta	0.093 m ² (1/4 sample)	Gas-Flow Proportional Counting
	Tritium	10 mL	Liquid Scintillation Counting
	Strontium-89,90	0.139 m ² (3/8 sample)	Gas-Flow Proportional Counting
	Actinides	0.031 m ² (1/12 sample)	Alpha Spectroscopy
Soil			
	Gamma	250 g	Gamma Spectroscopy
	Gross alpha-beta	0.2 g	Gas-Flow Proportional Counting
	Strontium-89,90	5 g	Gas-Flow Proportional Counting
	Actinides - Uranium	5g	Alpha Spectroscopy
	Plutonium	10 g	Alpha Spectroscopy
	Plutonium/Neptunium	8 g	Alpha Spectroscopy
	Americium/Curium	8 g	Alpha Spectroscopy
Sediment			
	Gamma	250 g	Gamma Spectroscopy
	Gross alpha-beta	0.2 g	Gas-Flow Proportional Counting
	Strontium-89,90	5 g	Gas-Flow Proportional Counting
	Actinides - Uranium	5g	Alpha Spectroscopy
	Plutonium	10 g	Alpha Spectroscopy
	Plutonium/Neptunium	8 g	Alpha Spectroscopy
	Americium/Curium	8 g	Alpha Spectroscopy
Vegetation			
	Gamma	200 g	Gamma Spectroscopy
	Gross alpha-beta	0.5 g	Gas-Flow Proportional Counting
	Tritium	100 g	Liquid Scintillation Counting
	Neptunium-237	20 g	Alpha Spectroscopy
	Strontium-89,90	20 g	Gas-Flow Proportional Counting
	Actinides	20 g	Alpha Spectroscopy
	Technetium-99	10 g	Liquid Scintillation Counting
Fish - edible			
	Gamma	500 g (a)	Gamma Spectroscopy
	Iodine-129	500 g (a)	Gamma Spectroscopy
	Gross alpha-beta	10 g	Gas-Flow Proportional Counting
	Tritium	60 g	Liquid Scintillation Counting
	Strontium-89,90	200 g (b)	Gas-Flow Proportional Counting
	Technetium-99	25 g	Liquid Scintillation Counting
a -400 g for panfish b-100 g for panfish			
Fish - nonedible			
	Strontium-89,90	10 g	Gas-Flow Proportional Counting

Matrix	Analytical Parameter	Representative Aliquot	Analytical Method
Oysters/Crabs			
	Gamma	500 g	Gamma Spectroscopy
	Iodine-129	500 g	Gamma Spectroscopy
	Gross alpha-beta	10 g	Gas-Flow Proportional Counting
	Actinides	100 g	Alpha Spectroscopy
	Technetium-99	25 g	Liquid Scintillation Counting
Deer/Hogs - muscle			
	Gamma	400 g	Gamma Spectroscopy
	Strontium-89,90	100 g	Gas-Flow Proportional Counting
	Gross alpha-beta	15 g	Gas-Flow Proportional Counting
Deer/Hogs - bone			
	Strontium-89,90	10 g	Gas-Flow Proportional Counting
Foods - watermelon			
	Gamma	1000 g	Gamma Spectroscopy
	Strontium-89,90	100 g	Gas-Flow Proportional Counting
	Gross alpha-beta	15 g	Gas-Flow Proportional Counting
	Tritium	100 g	Liquid Scintillation Counting
	Neptunium-237	100 g	Alpha Spectroscopy
	Technetium-99	50 g	Liquid Scintillation Counting
	Actinides	100 g	Alpha Spectroscopy
Foods - rotational crops			
	Gamma	750 g	Gamma Spectroscopy
	Strontium-89,90	20 g	Gas-Flow Proportional Counting
	Gross alpha-beta	4 g	Gas-Flow Proportional Counting
	Neptunium-237	20 g	Alpha Spectroscopy
	Tritium	100 g	Liquid Scintillation Counting
	Technetium-99	10 g	Liquid Scintillation Counting
	Actinides	20 g	Alpha Spectroscopy
Foods - collards			
	Gamma	500 g	Gamma Spectroscopy
	Strontium-89,90	20 g	Gas-Flow Proportional Counting
	Neptunium-237	20 g	Alpha Spectroscopy
	Gross alpha-beta	0.5 g	Gas-Flow Proportional Counting
	Tritium	100 g	Liquid Scintillation Counting
	Technetium-99	10 g	Liquid Scintillation Counting
	Actinides	20 g	Alpha Spectroscopy
Milk			
	Gamma	1 L	Gamma Spectroscopy
	Tritium	5 mL	Liquid Scintillation Counting
	Strontium-90	500 mL	Gas-Flow Proportional Counting

Matrix	Analytical Parameter	Representative Aliquot	Analytical Method
Beef			
	Gamma	400 g	Gamma Spectroscopy
	Strontium-89,90	200 g	Gas-Flow Proportional Counting
	Tritium	60 g	Liquid Scintillation Counting
	Technetium-99	25 g	Liquid Scintillation Counting
	Neptunium-237	200 g	Alpha Spectroscopy
	Actinides	200 g	Alpha Spectroscopy
	Gross alpha-beta	15 g	Gas-Flow Proportional Counting

Table 2 Representative Minimum Detectable Concentrations for Radiological Analyses

Sample Material	Collection Media	Analytical Method	Analyte	CY2015 Average MDC	Units
ONSITE ANALYTICAL LABORATORIES					
FILM	Rain Ion Columns	ALPHA SPEC: Am/Cm	Am-241	6.05E-02	pCi/sq m
			Cm-244	6.16E-02	
		ALPHA SPEC: Pu	Pu-238	6.21E-02	pCi/sq m
			Pu-239	6.54E-02	
		ALPHA SPEC: TU	U-234	7.72E-02	pCi/sq m
			U-235	7.87E-02	
			U-238	6.56E-02	
		GFPC: Gross A/B	Gross A	4.96E+00	pCi/sq m
			Gross B	8.46E+00	
		GFPC: Sr-89/90	Sr-89/90	4.53E+00	pCi/sq m
		HPGE SPEC:	Co-60	1.05E+01	pCi/sq m
			Cs-137	1.35E+01	
			K-40	1.36E+02	
GAS	Environmental Air	ALPHA SPEC: Am/Cm	Am-241	7.58E-06	pCi/cu m
			Cm-244	1.12E-05	
		ALPHA SPEC: Pu	Pu-238	8.11E-06	pCi/cu m
			Pu-239	8.77E-06	
		ALPHA SPEC: TU	U-234	9.54E-06	pCi/cu m
			U-235	1.03E-05	
			U-238	9.84E-06	
		GFPC: Gross A/B	Gross A	2.19E-04	pCi/cu m
			Gross B	5.14E-04	
		GFPC: Sr-89/90	Sr-89/90	6.54E-04	pCi/cu m
		HPGE SPEC:	Co-60	5.39E-03	pCi/cu m
			Cs-137	5.31E-03	
			K-40	9.92E-02	
LIQUID	Effluent Water	ALPHA SPEC: Am/Cm	Am-241	2.61E-05	pCi/mL
			Cm-244	2.55E-05	
		ALPHA SPEC: Pu	Pu-238	2.98E-05	pCi/mL
			Pu-239	3.12E-05	
		ALPHA SPEC: Pu/Np	Np-237	3.72E-05	pCi/mL
			Pu-238	3.14E-05	
			Pu-239	3.29E-05	
		ALPHA SPEC: TU	U-234	3.26E-05	pCi/mL
			U-235	3.35E-05	
			U-238	2.93E-05	
		GFPC: Gross A/B	Gross A	8.82E-01	pCi/L
			Gross B	1.39E+00	
		GFPC: Sr-89/90	Sr-89/90	1.84E+00	pCi/L

Sample Material	Collection Media	Analytical Method	Analyte	CY2015 Average MDC	Units
		HPGE SPEC:	Co-60	7.52E-03	pCi/mL
			Cs-137	7.85E-03	
			K-40	1.45E-01	
		HPGE: I-129	I-129	8.74E-04	pCi/mL
		LSC: C-14	C-14	9.30E-03	pCi/mL
		LSC: H-3	H-3	7.90E+00	pCi/mL
		LSC: Tc-99	Tc-99	2.56E-03	pCi/mL
	Finished Drinking Water	GFPC: Gross A/B	Gross A	2.44E-01	pCi/L
			Gross B	4.11E-01	
		HPGE SPEC:	Co-60	7.59E-03	pCi/mL
			Cs-137	7.46E-03	
			K-40	1.43E-01	
		LSC: H-3	H-3	1.71E-01	pCi/mL
	Milk	GFPC: Sr-90	Sr-90	1.25E+00	pCi/L
		HPGE SPEC:	Co-60	3.36E-03	pCi/mL
			Cs-137	3.12E-03	
			K-40	2.47E-02	
		LSC: H-3	H-3	2.67E-01	pCi/mL
	Potable Drinking Water	ALPHA SPEC: Am/Cm	Am-241	8.17E-06	pCi/mL
			Cm-244	8.02E-06	
		ALPHA SPEC: Pu	Pu-238	8.54E-06	pCi/mL
			Pu-239	9.02E-06	
		ALPHA SPEC: TU	U-234	9.67E-06	pCi/mL
			U-235	9.89E-06	
			U-238	8.90E-06	
		GFPC: Gross A/B	Gross A	2.38E-01	pCi/L
			Gross B	3.92E-01	
		GFPC: Sr-89/90	Sr-89/90	6.61E-01	pCi/L
		HPGE SPEC:	Co-60	7.81E-03	pCi/mL
			Cs-137	8.01E-03	
			K-40	1.47E-01	
		LSC: H-3	H-3	1.49E-01	pCi/mL
	Process Sewer Water	ALPHA SPEC: Am/Cm	Am-241	7.98E-06	pCi/mL
			Cm-244	1.09E-05	
		ALPHA SPEC: Pu/Np	Np-237	1.66E-05	pCi/mL
			Pu-238	1.10E-05	
			Pu-239	1.58E-05	
		ALPHA SPEC: Th	Th-228	1.44E-04	pCi/mL
			Th-230	3.45E-05	
			Th-232	2.13E-05	
		ALPHA SPEC: TU	U-234	8.01E-06	pCi/mL

Sample Material	Collection Media	Analytical Method	Analyte	CY2015 Average MDC	Units
			U-235	1.28E-05	
			U-238	8.99E-06	
		GFPC: Gross A/B	Gross A	1.77E+01	pCi/L
			Gross B	2.69E+01	
		GFPC: Sr-89/90	Sr-89/90	6.20E-01	pCi/L
		HPGE SPEC:	Co-60	3.39E-03	pCi/mL
			Cs-137	3.41E-03	
			K-40	7.29E-02	
		HPGE: I-129	I-129	7.95E-03	pCi/mL
		LSC: C-14	C-14	9.33E-03	pCi/mL
		LSC: H-3	H-3	5.30E-01	pCi/mL
		LSC: Tc-99	Tc-99	3.37E-03	pCi/mL
	Rainwater	ALPHA SPEC: Am/Cm	Am-241	1.62E-05	pCi/mL
			Cm-244	1.62E-05	
		ALPHA SPEC: Pu	Pu-238	1.36E-05	pCi/mL
			Pu-239	1.35E-05	
		ALPHA SPEC: TU	U-234	1.91E-05	pCi/mL
			U-235	2.08E-05	
			U-238	1.73E-05	
		GFPC: Gross A/B	Gross A	8.52E-01	pCi/L
			Gross B	1.68E+00	
		GFPC: Sr-89/90	Sr-89/90	1.32E+00	pCi/L
		HPGE SPEC:	Co-60	7.14E-03	pCi/mL
			Cs-137	7.58E-03	
			K-40	1.49E-01	
		LSC: H-3	H-3	4.57E-01	pCi/mL
	River Water - Radiological	ALPHA SPEC: Am/Cm	Am-241	8.04E-06	pCi/mL
			Cm-244	7.15E-06	
		ALPHA SPEC: Pu	Pu-238	8.92E-06	pCi/mL
			Pu-239	1.01E-05	
		ALPHA SPEC: TU	U-234	1.02E-05	pCi/mL
			U-235	1.18E-05	
			U-238	1.03E-05	
		GFPC: Gross A/B	Gross A	2.25E-01	pCi/L
			Gross B	4.03E-01	
		GFPC: Sr-89/90	Sr-89/90	6.21E-01	pCi/L
		HPGE SPEC:	Co-60	1.03E-03	pCi/mL
			Cs-137	1.07E-03	
			K-40	1.94E-02	
		LSC: H-3	H-3	1.73E-01	pCi/mL

Sample Material	Collection Media	Analytical Method	Analyte	CY2015 Average MDC	Units
	Seepage Basin Water	LSC: Tc-99	Tc-99	2.56E-03	pCi/mL
		ALPHA SPEC: Am/Cm	Am-241	1.73E-05	pCi/mL
			Cm-244	1.68E-05	
		ALPHA SPEC: Pu/Np	Np-237	2.57E-05	pCi/mL
			Pu-238	1.98E-05	
			Pu-239	2.12E-05	
		ALPHA SPEC: Th	Th-228	1.22E-04	pCi/mL
			Th-230	4.24E-05	
			Th-232	3.37E-05	
		ALPHA SPEC: TU	U-234	2.07E-05	pCi/mL
			U-235	2.13E-05	
			U-238	1.91E-05	
		GFPC: Gross A/B	Gross A	9.35E-01	pCi/L
			Gross B	1.60E+00	
		GFPC: Sr-89/90	Sr-89/90	1.25E+00	pCi/L
		HPGE SPEC:	Co-60	7.29E-03	pCi/mL
			Cs-137	7.57E-03	
			K-40	1.49E-01	
		HPGE: I-129	I-129	8.77E-04	pCi/mL
		LSC: H-3	H-3	4.77E-01	pCi/mL
		LSC: Tc-99	Tc-99	2.87E-03	pCi/mL
	Storm Sewer Water	ALPHA SPEC: Am/Cm	Am-241	9.32E-06	pCi/mL
			Cm-244	1.79E-05	
		ALPHA SPEC: Pu/Np	Np-237	1.15E-05	pCi/mL
			Pu-238	9.47E-06	
			Pu-239	1.02E-05	
		ALPHA SPEC: TU	U-234	1.13E-05	pCi/mL
			U-235	1.07E-05	
			U-238	9.39E-06	
		GFPC: Gross A/B	Gross A	8.55E-01	pCi/L
			Gross B	1.54E+00	
		GFPC: Sr-89/90	Sr-89/90	6.32E-01	pCi/L
		HPGE SPEC:	Co-60	7.51E-03	pCi/mL
			Cs-137	8.05E-03	
			K-40	1.45E-01	
		HPGE: I-129	I-129	8.77E-04	pCi/mL
		LSC: C-14	C-14	9.36E-03	pCi/mL
		LSC: H-3	H-3	4.51E-01	pCi/mL
		LSC: Tc-99	Tc-99	2.64E-03	pCi/mL
	Stream Water - Radiological	ALPHA SPEC: Am/Cm	Am-241	1.06E-05	pCi/mL
			Cm-244	1.04E-05	

Sample Material	Collection Media	Analytical Method	Analyte	CY2015 Average MDC	Units
		ALPHA SPEC: Pu	Pu-238	1.14E-05	pCi/mL
			Pu-239	1.15E-05	
		ALPHA SPEC: Pu/Np	Np-237	1.29E-05	pCi/mL
			Pu-238	9.40E-06	
			Pu-239	1.08E-05	
		ALPHA SPEC: Th	Th-228	8.37E-05	pCi/mL
			Th-230	3.71E-05	
			Th-232	3.22E-05	
		ALPHA SPEC: TU	U-234	1.55E-05	pCi/mL
			U-235	1.61E-05	
			U-238	1.34E-05	
		GFPC: Gross A/B	Gross A	2.88E-01	pCi/L
			Gross B	5.80E-01	
		GFPC: Sr-89/90	Sr-89/90	6.57E-01	pCi/L
		HPGE SPEC:	Co-60	7.62E-03	pCi/mL
			Cs-137	7.96E-03	
			K-40	1.46E-01	
		HPGE: I-129	I-129	8.68E-04	pCi/mL
		LSC: C-14	C-14	9.43E-03	pCi/mL
		LSC: H-3	H-3	4.66E-01	pCi/mL
		LSC: Tc-99	Tc-99	2.68E-03	pCi/mL
SOLID	Beef	ALPHA SPEC: Am/Cm	Am-241	3.60E-05	pCi/g
			Cm-244	3.23E-05	
		ALPHA SPEC: Pu/Np	Np-237	3.85E-05	pCi/g
			Pu-238	3.50E-05	
			Pu-239	3.59E-05	
		ALPHA SPEC: TU	U-234	3.55E-05	pCi/g
			U-235	4.51E-05	
			U-238	3.97E-05	
		GFPC: Gross A/B	Gross A	1.35E-01	pCi/g
			Gross B	1.89E-01	
		GFPC: Sr-89/90	Sr-89/90	3.13E-03	pCi/g
		HPGE SPEC:	Co-60	2.49E-02	pCi/g
			Cs-137	2.58E-02	
			K-40	1.91E-01	
		LSC: H-3	H-3	8.33E-02	pCi/g
		LSC: Tc-99	Tc-99	8.57E-02	pCi/g
	Deer Bone	GFPC: Sr-89/90	Sr-89/90	3.00E-01	pCi/g
	Deer Flesh	GFPC: Gross A/B	Gross A	1.03E-01	pCi/g
			Gross B	1.48E-01	

Sample Material	Collection Media	Analytical Method	Analyte	CY2015 Average MDC	Units
		GFPC: Sr-89/90	Sr-89/90	6.39E-03	pCi/g
		HPGE SPEC:	Co-60	5.56E-02	pCi/g
			Cs-137	6.14E-02	
			K-40	4.55E-01	
	Freshwater Fish/Bass	GFPC: Gross A/B	Gross A	1.86E-01	pCi/g
			Gross B	2.63E-01	
		GFPC: Sr-89/90	Sr-89/90	1.56E-01	pCi/g
		HPGE SPEC:	Co-60	3.69E-02	pCi/g
			Cs-137	3.78E-02	
			K-40	2.65E-01	
		HPGE: I-129	I-129	2.56E-02	pCi/g
		LSC: H-3	H-3	9.64E-02	pCi/g
		LSC: Tc-99	Tc-99	9.23E-02	pCi/g
	Freshwater Fish/Catfish	GFPC: Gross A/B	Gross A	1.87E-01	pCi/g
			Gross B	2.63E-01	
		GFPC: Sr-89/90	Sr-89/90	1.52E-01	pCi/g
		HPGE SPEC:	Co-60	3.61E-02	pCi/g
			Cs-137	3.82E-02	
			K-40	2.70E-01	
		HPGE: I-129	I-129	2.61E-02	pCi/g
		LSC: H-3	H-3	9.21E-02	pCi/g
		LSC: Tc-99	Tc-99	9.25E-02	pCi/g
	Freshwater Fish/Panfish	GFPC: Gross A/B	Gross A	1.87E-01	pCi/g
			Gross B	2.65E-01	
		GFPC: Sr-89/90	Sr-89/90	1.58E-01	pCi/g
		HPGE SPEC:	Co-60	4.36E-02	pCi/g
			Cs-137	4.76E-02	
			K-40	3.29E-01	
		HPGE: I-129	I-129	3.30E-02	pCi/g
		LSC: H-3	H-3	8.63E-02	pCi/g
		LSC: Tc-99	Tc-99	9.28E-02	pCi/g
	Freshwater Sediment/Detritus	ALPHA SPEC: Am/Cm	Am-241	1.06E-03	pCi/g
			Cm-244	1.03E-03	
		ALPHA SPEC: Pu/Np	Np-237	1.75E-03	pCi/g
			Pu-238	1.50E-03	
			Pu-239	1.55E-03	
		ALPHA SPEC: TU	U-234	1.23E-02	pCi/g
			U-235	1.30E-02	
			U-238	1.15E-02	
		GFPC: Gross A/B	Gross A	2.27E+00	pCi/g
			Gross B	3.79E+00	

Sample Material	Collection Media	Analytical Method	Analyte	CY2015 Average MDC	Units
		GFPC: Sr-89/90	Sr-89/90	1.19E-01	pCi/g
		HPGE SPEC:	Co-60	5.51E-02	pCi/g
			Cs-137	6.20E-02	
			K-40	5.56E-01	
	Fruit/Corn	ALPHA SPEC: Am/Cm	Am-241	4.90E-04	pCi/g
			Cm-244	4.79E-04	
		ALPHA SPEC: Pu/Np	Np-237	7.14E-04	
			Pu-238	5.48E-04	
			Pu-239	5.46E-04	
		ALPHA SPEC: TU	U-234	5.66E-04	
			U-235	6.11E-04	
			U-238	5.51E-04	
		GFPC: Gross A/B	Gross A	3.08E-01	
			Gross B	4.08E-01	
		GFPC: Sr-89/90	Sr-89/90	3.13E-02	
		HPGE SPEC:	Co-60	4.93E-03	
			Cs-137	4.45E-03	
			K-40	3.44E-02	
		LSC: H-3	H-3	4.97E-02	
		LSC: Tc-99	Tc-99	2.41E-01	
	Fruit/Pecans	ALPHA SPEC: Am/Cm	Am-241	5.45E-04	pCi/g
			Cm-244	4.60E-04	
		ALPHA SPEC: Pu/Np	Np-237	5.69E-04	
			Pu-238	4.12E-04	
			Pu-239	4.78E-04	
		ALPHA SPEC: TU	U-234	5.42E-04	
			U-235	5.84E-04	
			U-238	4.97E-04	
		GFPC: Gross A/B	Gross A	1.67E-01	
			Gross B	2.10E-01	
		GFPC: Sr-89/90	Sr-89/90	3.29E-02	
		HPGE SPEC:	Co-60	8.95E-03	
			Cs-137	7.70E-03	
			K-40	6.05E-02	
		LSC: H-3	H-3	2.59E-02	
		LSC: Tc-99	Tc-99	2.49E-01	
	Fruit/Watermelon	ALPHA SPEC: Am/Cm	Am-241	2.48E-04	pCi/g
			Cm-244	2.27E-04	
		ALPHA SPEC: Pu/Np	Np-237	7.07E-05	
			Pu-238	6.37E-05	

Sample Material	Collection Media	Analytical Method	Analyte	CY2015 Average MDC	Units
			Pu-239	6.55E-05	
		ALPHA SPEC: TU	U-234	1.01E-04	
			U-235	1.13E-04	
			U-238	9.09E-05	
		GFPC: Gross A/B	Gross A	3.95E-02	
			Gross B	5.15E-02	
		GFPC: Sr-89/90	Sr-89/90	6.59E-03	
		HPGE SPEC:	Co-60	4.39E-03	
			Cs-137	3.99E-03	
			K-40	3.29E-02	
		LSC: H-3	H-3	7.05E-02	
		LSC: Tc-99	Tc-99	3.88E-02	
	Greens	ALPHA SPEC: Am/Cm	Am-241	4.22E-04	pCi/g
			Cm-244	3.96E-04	
		ALPHA SPEC: Pu/Np	Np-237	1.23E-03	pCi/g
			Pu-238	8.05E-04	
			Pu-239	8.00E-04	
		ALPHA SPEC: TU	U-234	7.23E-04	pCi/g
			U-235	6.91E-04	
			U-238	6.81E-04	
		GFPC: Gross A/B	Gross A	3.47E-01	pCi/g
			Gross B	5.50E-01	
		GFPC: Sr-89/90	Sr-89/90	3.12E-02	pCi/g
		HPGE SPEC:	Co-60	1.70E-02	pCi/g
			Cs-137	1.07E-02	
			K-40	7.61E-02	
		LSC: H-3	H-3	6.18E-02	pCi/g
		LSC: Tc-99	Tc-99	1.95E-01	pCi/g
	Hog Bone	GFPC: Sr-89/90	Sr-89/90	3.02E-01	pCi/g
	Hog Flesh	GFPC: Gross A/B	Gross A	1.20E-01	pCi/g
			Gross B	1.70E-01	
		GFPC: Sr-89/90	Sr-89/90	6.41E-03	pCi/g
		HPGE SPEC:	Co-60	5.84E-02	pCi/g
			Cs-137	5.82E-02	
			K-40	4.16E-01	
	Marine Fish/Marine Mullet	GFPC: Gross A/B	Gross A	1.90E-01	pCi/g
			Gross B	2.56E-01	
		GFPC: Sr-89/90	Sr-89/90	1.13E-01	pCi/g
		HPGE SPEC:	Co-60	4.23E-02	pCi/g
			Cs-137	4.19E-02	
			K-40	3.06E-01	

Sample Material	Collection Media	Analytical Method	Analyte	CY2015 Average MDC	Units
		HPGE: I-129	I-129	2.54E-02	pCi/g
		LSC: H-3	H-3	7.56E-02	pCi/g
		LSC: Tc-99	Tc-99	6.93E-02	pCi/g
	Marine Fish/Red Fish (drum)	GFPC: Gross A/B	Gross A	1.73E-01	pCi/g
			Gross B	2.70E-01	
		GFPC: Sr-89/90	Sr-89/90	1.64E-01	pCi/g
		HPGE SPEC:	Co-60	4.23E-02	pCi/g
			Cs-137	4.02E-02	
			K-40	3.61E-01	
		HPGE: I-129	I-129	1.64E+02	pCi/g
		LSC: H-3	H-3	8.92E-02	pCi/g
		LSC: Tc-99	Tc-99	7.22E-02	pCi/g
	Marine Invertebrate	GFPC: Gross A/B	Gross A	1.21E-01	pCi/g
			Gross B	1.79E-01	
		GFPC: Sr-89/90	Sr-89/90	6.07E-03	pCi/g
		HPGE SPEC:	Co-60	1.57E-02	pCi/g
			Cs-137	1.80E-02	
			K-40	1.21E-01	
		HPGE: I-129	I-129	2.63E-02	pCi/g
		LSC: Tc-99	Tc-99	1.05E-01	pCi/g
	Terrestrial Soil/Detritus	ALPHA SPEC: Am/Cm	Am-241	1.18E-03	pCi/g
			Cm-244	1.11E-03	
		ALPHA SPEC: Pu	Pu-238	1.68E-03	pCi/g
			Pu-239	1.90E-03	
		ALPHA SPEC: Pu/Np	Np-237	1.81E-03	pCi/g
			Pu-238	1.47E-03	
			Pu-239	1.50E-03	
		ALPHA SPEC: Th	Th-228	2.73E-02	pCi/g
			Th-230	1.31E-02	
			Th-232	1.20E-02	
		ALPHA SPEC: TU	U-234	1.29E-02	pCi/g
			U-235	1.36E-02	
			U-238	1.20E-02	
		GFPC: Gross A/B	Gross A	2.30E+00	pCi/g
			Gross B	3.58E+00	
		GFPC: Sr-89/90	Sr-89/90	1.06E-01	pCi/g
		HPGE SPEC:	Co-60	4.42E-02	pCi/g
			Cs-137	4.67E-02	
			K-40	4.16E-01	
	Terrestrial Vegetation	ALPHA SPEC: Am/Cm	Am-241	4.05E-04	pCi/g

Sample Material	Collection Media	Analytical Method	Analyte	CY2015 Average MDC	Units
			Cm-244	3.92E-04	
		ALPHA SPEC: Pu/Np	Np-237	5.94E-04	pCi/g
			Pu-238	5.28E-04	
			Pu-239	5.19E-04	
		ALPHA SPEC: TU	U-234	6.09E-04	pCi/g
			U-235	6.24E-04	
			U-238	5.70E-04	
		GFPC: Gross A/B	Gross A	1.05E+00	pCi/g
			Gross B	1.54E+00	
		GFPC: Sr-89/90	Sr-89/90	3.31E-02	pCi/g
		HPGE SPEC:	Co-60	7.37E-02	pCi/g
			Cs-137	7.01E-02	
			K-40	5.83E-01	
		LSC: H-3	H-3	5.52E-02	pCi/g
		LSC: Tc-99	Tc-99	2.17E-01	pCi/g

OFFSITE ANALYTICAL LABORATORIES

Solids	Soil/Sediment	GFPC: Gross A/B	Gross A	4	pCi/g
			Gross B	10	pCi/g
		ALPHA SPEC: Am/Cm	Am-241	1	pCi/g
			Cm-244	1	
		ALPHA SPEC: Pu/Np	Np-237	1	pCi/g
			Pu-238	1	
			Pu-239	1	
		HPGE SPEC: (NOTE: Gamma Spec detection limits are based on the Cs-137)	Co-60	0.1	pCi/g
			Cs-137		
			K-40		
		ALPHA SPEC: Th	Th-228	1	pCi/g
			Th-230	1	
			Th-232	1	
		ALPHA SPEC: TU	U-233/234	1	pCi/g
			U-235	1	
			U-238	1	
		GFPC: Sr-89/90	Sr-89/90	2	pCi/g

Table 3 Nonradiological Environmental Surveillance Practical Quantitation Limits (PQLs)

Parameter/Laboratory	2015 PQL	Units
SRNS Environmental Monitoring Field Laboratory		
pH	as recorded	su
Total Residual Chlorine	0.05	mg/l
SRNS Environmental Bioassay Laboratory		
Total Suspended Solids (TSS)	1.0	mg/l
Aluminum (Al)	0.05	mg/l
Arsenic (As)	0.005	mg/l
Barium (Ba)	0.05	mg/l
Beryllium (Be)	0.001	mg/l
Cadmium (Cd)	0.0001	mg/l
Chromium (Cr)	0.005	mg/l
Copper (Cu)	0.005	mg/l
Iron (Fe)	0.02	mg/l
Lead (Pb)	0.002	mg/l
Manganese (Mn)	0.01	mg/l
Mercury (Hg), Total	0.02	ug/L
Nickel (Ni)	0.01	mg/l
Selenium (Se)	0.005	mg/l
Silver (Ag)	0.005	mg/l
Zinc (Zn)	0.01	mg/l
SRNS Central Sanitary Wastewater Treatment Facility Laboratory		
Biological Oxygen Demand (BOD)	2.0	mg/l
pH	as recorded	su
Offsite Analytical Laboratories		
Inorganic Nonmetals (aqueous & solid)		
Ammonia-N	0.10	mg/l
Biological Oxygen Demand (BOD)	2.0	mg/l
Chemical Oxygen Demand (COD)	10.0	mg/l
Cyanide (Cn)	0.010	mg/l
Cyanide (Cn)	0.50	mg/kg (solid)
Fecal Coliform	2.000	N/A
Hardness	10.0	mg/l
Nitrate (NO ₃)	0.020	mg/l
Nitrite (NO ₂)	0.020	mg/l
Nitrate-Nitrite-N	0.020	mg/l
Phenol	0.0050	mg/l
Sulfate	1.0	mg/l

Parameter/Laboratory	2015 PQL	Units
Total Dissolved Solids (TDS)	10.0	mg/l
Total Suspended Solids (TSS)	1.0	mg/l
Total Kjeldahl Nitrogen (TKN)	0.10	mg/l
Phosphorus	0.010	mg/l
Total Organic Carbon (TOC)	1.0	mg/l
Oil & Grease	4.00 ^a	mg/l
% Solids	N/A	%
Metals (aqueous & solid)		
Aluminum (Al)	40.0	mg/l
Aluminum (Al)	20.0	mg/kg (solid)
Arsenic (As)	1.000	mg/l
Arsenic (As)	0.75	mg/kg (solid)
Barium (Ba)	5.0	mg/l
Barium (Ba)	1.3	mg/kg (solid)
Boron (B)	25.0	mg/l
Cadmium (Cd)	0.10	mg/l
Cadmium (Cd)	0.25	mg/kg (solid)
Chromium (Cr)	5.0	mg/l
Chromium (Cr)	0.5	mg/kg (solid)
Copper (Cu)	1.0	mg/l
Copper (Cu)	0.5	mg/kg (solid)
Iron (Fe)	20.0	mg/l
Iron (Fe)	5.0	mg/kg (solid)
Lead (Pb)	1.0	mg/l
Lead (Pb)	0.50	mg/kg (solid)
Magnesium	250	mg/kg (solid)
Manganese (Mn)	5.00	mg/l
Manganese (Mn)	0.75	mg/kg (solid)
Mercury (Hg), Total	0.002	mg/l
Mercury (Hg), Low Level	0.50	ng/l
Mercury (Hg)	0.083	mg/kg (solid)
Molybdenum (Mo)	2.0	mg/kg (solid)
Nickel (Ni)	5.0	mg/l
Nickel (Ni)	2.0	mg/kg (solid)
Potassium (K)	250.00	mg/kg (solid)
Selenium (Se)	1.0	mg/l
Selenium (Se)	1.0	mg/kg (solid)
Silver (Ag)	1.0	mg/l
Silver (Ag)	0.50	mg/kg (solid)
Sodium (Na)	200.00	mg/l
Uranium (U)	N/A	mg/l
Uranium (U)	25.00	mg/kg (solid)
Zinc (Zn)	10.0	mg/l
Zinc (Zn)	2.5	mg/kg (solid)
Pesticides & PCBs (aqueous)		

Parameter/Laboratory	2015 PQL	Units
Aldrin	0.040	mg/l
Alpha-BHC	0.040	mg/l
Aroclor 1016	0.40	mg/l
Aroclor 1221	0.40	mg/l
Aroclor 1232	0.40	mg/l
Aroclor 1242	0.40	mg/l
Aroclor 1248	0.40	mg/l
Aroclor 1254	0.40	mg/l
Aroclor 1260	0.40	mg/l
Beta-BHC	0.040	mg/l
Delta-BHC	0.040	mg/l
Gamma-BHC	0.040	mg/l
Chlordane	0.40	mg/l
4,4'-DDD	0.040	mg/l
4,4'-DDE	0.040	mg/l
4,4'-DDT	0.040	mg/l
Dieldrin	0.040	mg/l
Endosulfan I	0.040	mg/l
Endosulfan II	0.040	mg/l
Endosulfan sulfate	0.040	mg/l
Endrin	0.040	mg/l
Endrin aldehyde	0.040	mg/l
Heptachlor	0.040	mg/l
Lindane	0.400	mg/l
Heptachlor epoxide	0.040	mg/l
Toxaphene	0.040	mg/l
Volatile Organic Compounds (aqueous)		
Benzene	1.0	mg/l
Tetrachloroethylene/Tetrachloroethene	1.0	mg/l
Trichloroethylene/Trichloroethene	1.0	mg/l
Ethylene Glycol	50.0	mg/l
Herbicides (aqueous)		
2,4-D	2.0 ^a	mg/l
2,4,5-TP (Silvex)	0.5 ^a	mg/l
^a The PQL will vary slightly depending on the dilution factor.		

Data Tables

Table 4 National Pollution Discharge Elimination System Industrial Wastewater Flow Data

During 2015 no flow measurements were recorded due to lack of flow in the following outfalls: D-01, D-1A, D-1B, D-1C, D-1DF-01, F-02, F-05, and K-06.

The following outfalls no longer discharge. Date at which discharge ceased is provided in parentheses after the name of the outfall: D-03 (April 2009), D-06 (June 2012), D-Area sanitary wastewater treatment plant (2013), D-01D (November 2013), S-04 (July 2007), and X-8C (November 2013).

Outfall: A-01

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
1/1/2015		Holiday
1/2/2015		926,602
1/5/2015		823,347
1/6/2015		859,777
1/7/2015		726,564
1/8/2015		707,811
1/9/2015		722,568
1/12/2015		798,538
1/13/2015		1,289,931
1/14/2015		1,148,970
1/15/2015		804,610
1/16/2015		818,841
1/19/2015		Holiday
1/20/2015		642,735
1/21/2015		647,395
1/22/2015		642,100
1/23/2015		677,601
1/26/2015		1,197,184
1/27/2015		843,653
1/28/2015		690,145
1/29/2015		669,794
1/30/2015		660,623
2/2/2015		654,327
2/3/2015		947,968
2/4/2015		655,590
2/5/2015		714,605
2/6/2015		625,367
2/9/2015		633,167

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
2/10/2015		778,290
2/11/2015		689,225
2/12/2015		649,541
2/13/2015		582,439
2/16/2015		Holiday
2/17/2015		580,446
2/18/2015		886,700
2/19/2015		484,479
2/20/2015		499,568
2/23/2015		673,788
2/24/2015		1,303,716
2/25/2015		1,560,798
2/26/2015		1,703,707
2/27/2015		1,547,867
3/2/2015		1,282,040
3/3/2015		646,380
3/4/2015		623,329
3/5/2015		482,597
3/6/2015		632,480
3/9/2015		557,141
3/10/2015		541,555
3/11/2015		524,192
3/12/2015		578,085
3/13/2015		608,749
3/16/2015		641,982
3/17/2015		535,932
3/18/2015		579,409
3/19/2015		602,986

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
3/20/2015		1,047,670
3/23/2015		836,966
3/24/2015		1,122,398
3/25/2015		927,915
3/26/2015		713,081
3/27/2015		611,464
3/30/2015		567,211
3/31/2015		648,738
4/1/2015		513,829
4/2/2015		480,861
4/3/2015		Holiday
4/6/2015		492,106
4/7/2015		549,896
4/8/2015		679,285
4/9/2015		480,603
4/10/2015		483,056
4/13/2015		495,350
4/14/2015		1,013,633
4/15/2015		973,868
4/16/2015		922,047
4/17/2015		719,206
4/20/2015		1,101,461
4/21/2015		1,181,926
4/22/2015		881,500
4/23/2015		559,953
4/24/2015		440,499
4/27/2015		641,862
4/28/2015		447,105
4/29/2015		538,001
4/30/2015		751,602
5/1/2015		528,738
5/4/2015		147,900
5/5/2015		520,278
5/6/2015		459,993
5/7/2015		475,569
5/8/2015		443,520
5/11/2015		418,544
5/12/2015		530,374
5/13/2015		550,781
5/14/2015		495,317
5/15/2015		446,993
5/18/2015		459,473

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
5/19/2015		514,216
5/20/2015		548,318
5/21/2015		557,151
5/22/2015		523,669
5/25/2015		Holiday
5/26/2015		441,119
5/27/2015		551,390
5/28/2015		581,687
5/29/2015		567,271
6/1/2015		550,888
6/2/2015		1,237,591
6/3/2015		1,426,748
6/4/2015		1,332,874
6/5/2015		1,376,436
6/8/2015		964,427
6/9/2015		500,865
6/10/2015		612,636
6/11/2015		590,994
6/12/2015		569,386
6/15/2015		435,868
6/16/2015		584,206
6/17/2015		426,939
6/18/2015		488,353
6/19/2015		467,158
6/22/2015		494,891
6/23/2015		572,734
6/24/2015		659,864
6/25/2015		607,205
6/26/2015		603,114
6/29/2015		518,310
6/30/2015		662,755
7/1/2015		755,441
7/2/2015		589,517
7/3/2015		953,105
7/6/2015		799,909
7/7/2015		643,258
7/8/2015		525,670
7/9/2015		486,660
7/10/2015		597,676
7/13/2015		529,099
7/14/2015		650,201
7/15/2015		556,603

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
7/16/2015		352,988
7/17/2015		375,155
7/20/2015		448,415
7/21/2015		481,133
7/22/2015		437,900
7/23/2015		467,340
7/24/2015		705,562
7/27/2015		564,967
7/28/2015		575,969
7/29/2015		995,924
7/30/2015		1,372,894
7/31/2015		1,118,665
8/3/2015		664,805
8/4/2015		693,215
8/5/2015		708,957
8/6/2015		605,924
8/7/2015		891,022
8/10/2015		727,708
8/11/2015		800,494
8/12/2015		747,544
8/13/2015		662,372
8/14/2015		583,271
8/17/2015		517,147
8/18/2015		1,141,966
8/19/2015		498,107
8/20/2015		1,213,581
8/21/2015		900,635
8/24/2015		725,956
8/25/2015		839,686
8/26/2015		696,537
8/27/2015		677,594
8/28/2015		649,420
8/31/2015		696,579
9/1/2015		970,643
9/2/2015		721,306
9/3/2015		728,841
9/4/2015		832,523
9/7/2015		Holiday
9/8/2015		676,467
9/9/2015		718,103
9/10/2015		690,744
9/11/2015		667,459
9/14/2015		625,433

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
9/15/2015		592,005
9/16/2015		565,554
9/17/2015		592,508
9/18/2015		594,243
9/21/2015		581,925
9/22/2015		624,958
9/23/2015		678,752
9/24/2015		601,640
9/25/2015		1,784,867
9/28/2015		1,612,717
9/29/2015		1,375,998
9/30/2015		1,263,003
10/1/2015		1,224,420
10/2/2015		1,428,504
10/5/2015		1,635,895
10/6/2015		1,573,132
10/7/2015		1,315,742
10/8/2015		613,612
10/9/2015		219,406
10/12/2015		471,170
10/13/2015		199,080
10/14/2015		197,031
10/15/2015		150,425
10/16/2015		131,807
10/19/2015		120,360
10/20/2015		141,558
10/21/2015		126,907
10/22/2015		109,275
10/23/2015		145,667
10/26/2015		129,764
10/27/2015		197,037
10/28/2015		274,447
10/29/2015		252,375
10/30/2015		167,734
11/2/2015		192,407
11/3/2015		894,073
11/4/2015		1,141,141
11/5/2015		312,139
11/6/2015		218,789
11/9/2015		551,074
11/10/2015		1,332,550
11/11/2015		1,154,746
11/12/2015		340,103

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
11/13/2015		216,969
11/16/2015		155,315
11/17/2015		195,723
11/18/2015		234,538
11/19/2015		966,661
11/20/2015		1,414,540
11/23/2015		529,920
11/24/2015		340,881
11/25/2015		388,608
11/26/2015		Holiday
11/27/2015		Holiday
11/30/2015		384,205
12/1/2015		407,303
12/2/2015		416,378
12/3/2015		870,347
12/4/2015		529,554
12/7/2015		387,204
12/8/2015		391,260

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
12/9/2015		383,904
12/10/2015		378,559
12/11/2015		433,840
12/14/2015		382,482
12/15/2015		511,458
12/16/2015		389,650
12/17/2015		425,729
12/18/2015		875,342
12/21/2015		592,206
12/22/2015		527,946
12/23/2015		1,508,063
12/24/2015		Holiday
12/25/2015		Holiday
12/28/2015		800,149
12/29/2015		425,251
12/30/2015		673,930
12/31/2015		1,556,486

Table 4 National Pollution Discharge Elimination System Industrial Wastewater Flow Data (continued)**Outfall: A-11**

Collection Date (Grab or 24-Hrs Composite)	Less Than (<)	Flow Result (gallons per minute)
1/20/2015		180
2/17/2015		184
3/9/2015		177
4/20/2015		199
5/4/2015		191
6/1/2015		189
7/6/2015		192
8/3/2015		189
9/1/2015		220
10/13/2015		180
11/11/2015		217
12/15/2015		220

Table 4 National Pollution Discharge Elimination System Industrial Wastewater Flow Data (continued)

Outfall: A-1A

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
1/5/2015		0
1/6/2015		0
1/7/2015		0
1/8/2015		0
1/12/2015		0
1/13/2015		0
1/14/2015		0
1/15/2015		0
1/19/2015		0
1/20/2015		0
1/21/2015		0
1/22/2015		0
1/26/2015		0
1/27/2015		0
1/28/2015		0
1/29/2015		0
2/2/2015		0
2/3/2015		0
2/4/2015		0
2/5/2015		0
2/9/2015		0
2/10/2015		0
2/11/2015		0
2/12/2015		0
2/16/2015		0
2/17/2015		262
2/18/2015		0
2/19/2015		0
2/23/2015		0
2/24/2015		0
2/25/2015		0
2/26/2015		0
3/2/2015		0
3/3/2015		0
3/4/2015		0
3/5/2015		0
3/9/2015		0
3/10/2015		0
3/11/2015		0

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
3/12/2015		0
3/16/2015		0
3/17/2015		0
3/18/2015		0
3/19/2015		0
3/23/2015		0
3/24/2015		0
3/25/2015		0
3/26/2015		0
3/30/2015		0
3/31/2015		0
4/1/2015		0
4/2/2015		0
4/6/2015		0
4/7/2015		0
4/8/2015		0
4/9/2015		0
4/13/2015		0
4/14/2015		0
4/15/2015		0
4/16/2015		0
4/20/2015		0
4/21/2015		0
4/22/2015		0
4/23/2015		0
4/27/2015		0
4/28/2015		0
4/29/2015		0
4/30/2015		0
5/4/2015		0
5/5/2015		0
5/6/2015		0
5/7/2015		0
5/11/2015		0
5/12/2015		0
5/13/2015		0
5/14/2015		0
5/18/2015		0
5/19/2015		0

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
5/20/2015		205
5/21/2015		0
5/25/2015		0
5/26/2015		0
5/27/2015		0
5/28/2015		0
6/1/2015		0
6/2/2015		0
6/3/2015		0
6/4/2015		0
6/8/2015		0
6/9/2015		0
6/10/2015		0
6/11/2015		0
6/15/2015		0
6/16/2015		0
6/17/2015		0
6/18/2015		0
6/22/2015		0
6/23/2015		0
6/24/2015		0
6/25/2015		0
6/29/2015		0
6/30/2015		0
7/1/2015		0
7/2/2015		0
7/6/2015		0
7/7/2015		0
7/8/2015		0
7/9/2015		0
7/13/2015		0
7/14/2015		0
7/15/2015		0
7/16/2015		0
7/20/2015		0
7/21/2015		0
7/22/2015		0
7/23/2015		0
7/27/2015		0
7/28/2015		0
7/29/2015		0
7/30/2015		0
8/3/2015		0

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
8/4/2015		0
8/5/2015		0
8/6/2015		228
8/10/2015		0
8/11/2015		0
8/12/2015		0
8/13/2015		0
8/17/2015		0
8/18/2015		0
8/19/2015		0
8/20/2015		0
8/24/2015		0
8/25/2015		0
8/26/2015		0
8/27/2015		0
8/31/2015		0
9/1/2015		0
9/2/2015		0
9/3/2015		0
9/7/2015		0
9/8/2015		0
9/9/2015		0
9/10/2015		0
9/14/2015		0
9/15/2015		0
9/16/2015		0
9/17/2015		0
9/21/2015		0
9/22/2015		0
9/23/2015		0
9/24/2015		0
9/28/2015		0
9/29/2015		0
9/30/2015		0
10/1/2015		0
10/5/2015		0
10/6/2015		0
10/7/2015		0
10/8/2015		0
10/12/2015		0
10/13/2015		0
10/14/2015		0
10/15/2015		0

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
10/19/2015		0
10/20/2015		0
10/21/2015		0
10/22/2015		0
10/26/2015		0
10/27/2015		0
10/28/2015		0
10/29/2015		0
11/2/2015		0
11/3/2015		0
11/4/2015		0
11/5/2015		0
11/9/2015		0
11/10/2015		0
11/11/2015		0
11/12/2015		0
11/16/2015		0
11/17/2015		0
11/18/2015		0
11/19/2015		0
11/23/2015		0
11/24/2015		0

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
11/25/2015		0
11/27/2015		0
11/30/2015		0
12/1/2015		0
12/2/2015		0
12/3/2015		229
12/7/2015		0
12/8/2015		0
12/9/2015		0
12/10/2015		0
12/14/2015		0
12/15/2015		0
12/16/2015		0
12/17/2015		0
12/21/2015		0
12/22/2015		0
12/23/2015		0
12/24/2015		0
12/28/2015		0
12/29/2015		0
12/30/2015		0
12/31/2015		0

Table 4 National Pollution Discharge Elimination System Industrial Wastewater Flow Data (continued)**Outfall: D-02**

Collection Date (Grab or 24-Hrs Composite)	Less Than (<)	Flow Result (gallons per minute)
1/5/2015		3
4/1/2015		5
7/1/2015		0
10/1/2015		0

Outfall: F-08

Collection Date (Grab or 24-Hrs Composite)	Less Than (<)	Flow Result (million gallons per day)
1/22/2015		2.73
2/11/2015		15.42
3/10/2015		11.49
4/21/2015		55.31
5/11/2015		0
6/8/2015		25.47
7/14/2015		42.50
8/10/2015		25.47
9/21/2015		0
10/19/2015		0
11/12/2015		287.40
12/9/2015		0

Table 4 National Pollution Discharge Elimination System Industrial Wastewater Flow Data (continued)

Outfall: G-10

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
1/1/2015		0.193
1/2/2015		0.198
1/3/2015		0.199
1/4/2015		0.246
1/5/2015		0.362
1/6/2015		0.371
1/7/2015		0.353
1/8/2015		0.289
1/9/2015		0.165
1/10/2015		0.111
1/11/2015		0.111
1/12/2015		0.211
1/13/2015		0.218
1/14/2015		0.208
1/15/2015		0.228
1/16/2015		0.180
1/17/2015		0.111
1/18/2015		0.105
1/19/2015		0.108
1/20/2015		0.156
1/21/2015		0.168
1/22/2015		0.183
1/23/2015		0.173
1/24/2015		0.221
1/25/2015		0.179
1/26/2015		0.197
1/27/2015		0.193
1/28/2015		0.232
1/29/2015		0.121
1/30/2015		0.170
1/31/2015		0.086
2/1/2015		0.070
2/2/2015		0.121
2/3/2015		0.211
2/4/2015		0.272
2/5/2015		0.292
2/6/2015		0.205

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
2/7/2015		0.166
2/8/2015		0.166
2/9/2015		0.283
2/10/2015		0.273
2/11/2015		0.268
2/12/2015		0.261
2/13/2015		0.217
2/14/2015		0.153
2/15/2015		0.159
2/16/2015		0.190
2/17/2015		0.273
2/18/2015		0.296
2/19/2015		0.281
2/20/2015		0.217
2/21/2015		0.179
2/22/2015		0.249
2/23/2015		0.340
2/24/2015		0.374
2/25/2015		0.402
2/26/2015		0.519
2/27/2015		0.410
2/28/2015		0.385
3/1/2015		0.246
3/2/2015		0.165
3/3/2015		0.278
3/4/2015		0.268
3/5/2015		0.261
3/6/2015		0.162
3/7/2015		0.143
3/8/2015		0.162
3/9/2015		0.238
3/10/2015		0.229
3/11/2015		0.250
3/12/2015		0.233
3/13/2015		0.191
3/14/2015		0.169
3/15/2015		0.149

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
3/16/2015		0.232
3/17/2015		0.225
3/18/2015		0.232
3/19/2015		0.267
3/20/2015		0.282
3/21/2015		0.192
3/22/2015		0.263
3/23/2015		0.297
3/24/2015		0.251
3/25/2015		0.319
3/26/2015		0.324
3/27/2015		0.209
3/28/2015		0.164
3/29/2015		0.144
3/30/2015		0.240
3/31/2015		0.213
4/1/2015		0.192
4/2/2015		0.170
4/3/2015		0.105
4/4/2015		0.129
4/5/2015		0.111
4/6/2015		0.216
4/7/2015		0.216
4/8/2015		0.203
4/9/2015		0.287
4/10/2015		0.253
4/11/2015		0.187
4/12/2015		0.164
4/13/2015		0.300
4/14/2015		0.315
4/15/2015		0.313
4/16/2015		0.340
4/17/2015		0.263
4/18/2015		0.397
4/19/2015		0.241
4/20/2015		0.385
4/21/2015		0.319
4/22/2015		0.293
4/23/2015		0.251
4/24/2015		0.218
4/25/2015		0.222
4/26/2015		0.188

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
4/27/2015		0.274
4/28/2015		0.246
4/29/2015		0.270
4/30/2015		0.095
5/1/2015		0.100
5/2/2015		0.057
5/3/2015		0.057
5/4/2015		0.107
5/5/2015		0.105
5/6/2015		0.107
5/7/2015		0.101
5/8/2015		0.066
5/9/2015		0.053
5/10/2015		0.053
5/11/2015		0.103
5/12/2015		0.110
5/13/2015		0.035
5/14/2015		0.135
5/15/2015		0.100
5/16/2015		0.053
5/17/2015		0.056
5/18/2015		0.102
5/19/2015		0.099
5/20/2015		0.111
5/21/2015		0.118
5/22/2015		0.087
5/23/2015		0.069
5/24/2015		0.074
5/25/2015		0.069
5/26/2015		0.120
5/27/2015		0.127
5/28/2015		0.130
5/29/2015		0.125
5/30/2015		0.078
5/31/2015		0.071
6/1/2015		0.159
6/2/2015		0.152
6/3/2015		0.151
6/4/2015		0.153
6/5/2015		0.117
6/6/2015		0.054
6/7/2015		0.069

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
6/8/2015		0.109
6/9/2015		0.131
6/10/2015		0.128
6/11/2015		0.156
6/12/2015		0.093
6/13/2015		0.071
6/14/2015		0.072
6/15/2015		0.139
6/16/2015		0.092
6/17/2015		0.104
6/18/2015		0.100
6/19/2015		0.070
6/20/2015		0.052
6/21/2015		0.039
6/22/2015		0.095
6/23/2015		0.094
6/24/2015		0.095
6/25/2015		0.163
6/26/2015		0.121
6/27/2015		0.095
6/28/2015		0.081
6/29/2015		0.165
6/30/2015		0.164
7/1/2015		0.207
7/2/2015		0.170
7/3/2015		0.175
7/4/2015		0.109
7/5/2015		0.108
7/6/2015		0.165
7/7/2015		0.175
7/8/2015		0.189
7/9/2015		0.196
7/10/2015		0.120
7/11/2015		0.094
7/12/2015		0.096
7/13/2015		0.175
7/14/2015		0.180
7/15/2015		0.196
7/16/2015		0.199
7/17/2015		0.151
7/18/2015		0.100
7/19/2015		0.087

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
7/20/2015		0.171
7/21/2015		0.196
7/22/2015		0.174
7/23/2015		0.167
7/24/2015		0.133
7/25/2015		0.085
7/26/2015		0.074
7/27/2015		0.160
7/28/2015		0.201
7/29/2015		0.231
7/30/2015		0.277
7/31/2015		0.152
8/1/2015		0.162
8/2/2015		0.109
8/3/2015		0.195
8/4/2015		0.199
8/5/2015		0.218
8/6/2015		0.235
8/7/2015		0.146
8/8/2015		0.121
8/9/2015		0.103
8/10/2015		0.220
8/11/2015		0.198
8/12/2015		0.184
8/13/2015		0.191
8/14/2015		0.140
8/15/2015		0.123
8/16/2015		0.075
8/17/2015		0.163
8/18/2015		0.273
8/19/2015		0.224
8/20/2015		0.376
8/21/2015		0.130
8/22/2015		0.113
8/23/2015		0.128
8/24/2015		0.223
8/25/2015		0.204
8/26/2015		0.261
8/27/2015		0.307
8/28/2015		0.218
8/29/2015		0.154
8/30/2015		0.180

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
8/31/2015		0.322
9/1/2015		0.400
9/2/2015		0.180
9/3/2015		0.140
9/4/2015		0.113
9/5/2015		0.099
9/6/2015		0.095
9/7/2015		0.078
9/8/2015		0.205
9/9/2015		0.187
9/10/2015		0.194
9/11/2015		0.149
9/12/2015		0.079
9/13/2015		0.081
9/14/2015		0.121
9/15/2015		0.171
9/16/2015		0.168
9/17/2015		0.153
9/18/2015		0.134
9/19/2015		0.112
9/20/2015		0.106
9/21/2015		0.156
9/22/2015		0.160
9/23/2015		0.202
9/24/2015		0.231
9/25/2015		0.257
9/26/2015		0.224
9/27/2015		0.107
9/28/2015		0.196
9/29/2015		0.231
9/30/2015		0.186
10/1/2015		0.227
10/2/2015		0.223
10/3/2015		0.194
10/4/2015		0.243
10/5/2015		0.268
10/6/2015		0.263
10/7/2015		0.228
10/8/2015		0.247
10/9/2015		0.214
10/10/2015		0.208
10/11/2015		0.131

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
10/12/2015		0.213
10/13/2015		0.188
10/14/2015		0.184
10/15/2015		0.163
10/16/2015		0.123
10/17/2015		0.082
10/18/2015		0.086
10/19/2015		0.167
10/20/2015		0.169
10/21/2015		0.201
10/22/2015		0.170
10/23/2015		0.122
10/24/2015		0.091
10/25/2015		0.102
10/26/2015		0.163
10/27/2015		0.199
10/28/2015		0.185
10/29/2015		0.197
10/30/2015		0.121
10/31/2015		0.110
11/1/2015		0.132
11/2/2015		0.186
11/3/2015		0.239
11/4/2015		0.220
11/5/2015		0.235
11/6/2015		0.189
11/7/2015		0.111
11/8/2015		0.185
11/9/2015		0.225
11/10/2015		0.305
11/11/2015		0.290
11/12/2015		0.300
11/13/2015		0.245
11/14/2015		0.205
11/15/2015		0.132
11/16/2015		0.209
11/17/2015		0.210
11/18/2015		0.235
11/19/2015		0.239
11/20/2015		0.221
11/21/2015		0.242
11/22/2015		0.260

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
11/23/2015		0.178
11/24/2015		0.188
11/25/2015		0.126
11/26/2015		0.090
11/27/2015		0.122
11/28/2015		0.128
11/29/2015		0.114
11/30/2015		0.160
12/1/2015		0.224
12/2/2015		0.177
12/3/2015		0.189
12/4/2015		0.204
12/5/2015		0.179
12/6/2015		0.125
12/7/2015		0.173
12/8/2015		0.251
12/9/2015		0.146
12/10/2015		0.188
12/11/2015		0.255
12/12/2015		0.186

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
12/13/2015		0.091
12/14/2015		0.220
12/15/2015		0.196
12/16/2015		0.260
12/17/2015		0.193
12/18/2015		0.190
12/19/2015		0.120
12/20/2015		0.126
12/21/2015		0.159
12/22/2015		0.238
12/23/2015		0.230
12/24/2015		0.213
12/25/2015		0.144
12/26/2015		0.140
12/27/2015		0.130
12/28/2015		0.182
12/29/2015		0.151
12/30/2015		0.252
12/31/2015		0.346

Table 4 National Pollution Discharge Elimination System Industrial Wastewater Flow Data (continued)

Outfall: H-02

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
1/1/2015		302,300
1/2/2015		264,900
1/5/2015		400,167
1/6/2015		400,700
1/7/2015		257,200
1/8/2015		287,200
1/9/2015		283,800
1/12/2015		391,867
1/13/2015		740,500
1/14/2015		535,500
1/15/2015		408,000
1/16/2015		400,000
1/20/2015		273,375
1/21/2015		154,100
1/22/2015		182,500
1/23/2015		202,800
1/26/2015		611,733
1/27/2015		185,800
1/28/2015		163,800
1/29/2015		139,100
1/30/2015		132,700
2/2/2015		122,400
2/3/2015		157,100
2/4/2015		147,400
2/5/2015		167,200
2/6/2015		190,900
2/9/2015		146,700
2/10/2015		225,900
2/11/2015		206,700
2/12/2015		72,700
2/13/2015		60,100
2/16/2015		38,400
2/17/2015		66,000
2/18/2015		108,900
2/19/2015		56,600
2/20/2015		59,800
2/23/2015		168,333

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
2/24/2015		289,000
2/25/2015		197,800
2/26/2015		1,039,800
2/27/2015		402,200
3/2/2015		173,567
3/3/2015		109,200
3/4/2015		112,400
3/5/2015		71,000
3/6/2015		106,800
3/9/2015		108,467
3/10/2015		105,400
3/11/2015		116,100
3/12/2015		100,700
3/13/2015		121,200
3/16/2015		148,533
3/17/2015		97,800
3/18/2015		89,900
3/19/2015		78,600
3/20/2015		727,000
3/23/2015		396,633
3/24/2015		341,600
3/25/2015		200,700
3/26/2015		201,000
3/27/2015		165,800
3/30/2015		117,967
3/31/2015		111,800
4/1/2015		81,400
4/2/2015		90,700
4/3/2015		113,300
4/6/2015		90,100
4/7/2015		106,400
4/8/2015		169,100
4/9/2015		100,600
4/10/2015		94,900
4/13/2015		96,500
4/14/2015		635,000
4/15/2015		437,500

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
4/16/2015		478,000
4/17/2015		296,000
4/20/2015		398,567
4/21/2015		278,200
4/22/2015		112,100
4/23/2015		67,400
4/24/2015		210,400
4/27/2015		147,400
4/28/2015		165,500
4/29/2015		107,400
4/30/2015		123,000
5/1/2015		147,600
5/4/2015		99,667
5/5/2015		46,900
5/6/2015		49,100
5/7/2015		48,900
5/8/2015		63,700
5/11/2015		49,200
5/12/2015		47,200
5/13/2015		76,300
5/14/2015		70,600
5/15/2015		53,400
5/18/2015		54,867
5/19/2015		71,100
5/20/2015		50,500
5/21/2015		51,500
5/22/2015		45,300
5/26/2015		56,800
5/27/2015		89,100
5/28/2015		145,600
5/29/2015		113,300
6/1/2015		59,967
6/2/2015		266,300
6/3/2015		227,500
6/4/2015		413,900
6/5/2015		299,600
6/8/2015		137,533
6/9/2015		107,600
6/10/2015		123,900
6/11/2015		110,500
6/12/2015		128,300

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
6/15/2015		84,633
6/16/2015		74,500
6/17/2015		67,700
6/18/2015		66,500
6/19/2015		274,900
6/22/2015		123,867
6/23/2015		96,800
6/24/2015		86,200
6/25/2015		73,800
6/26/2015		74,300
6/29/2015		82,700
6/30/2015		77,800
7/1/2015		87,700
7/2/2015		71,300
7/3/2015		301,500
7/6/2015		338,167
7/7/2015		157,800
7/8/2015		98,000
7/9/2015		73,700
7/10/2015		84,400
7/13/2015		70,400
7/14/2015		78,700
7/15/2015		58,000
7/16/2015		64,500
7/17/2015		71,700
7/20/2015		187,733
7/21/2015		101,800
7/22/2015		67,600
7/23/2015		65,300
7/24/2015		107,500
7/27/2015		85,967
7/28/2015		79,600
7/29/2015		64,800
7/30/2015		633,900
7/31/2015		362,100
8/3/2015		193,700
8/4/2015		129,000
8/5/2015		84,400
8/6/2015		76,100
8/7/2015		107,300
8/10/2015		91,364

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
8/11/2015		128,243
8/12/2015		139,700
8/13/2015		135,900
8/14/2015		191,400
8/17/2015		127,500
8/18/2015		154,500
8/19/2015		693,100
8/20/2015		447,300
8/21/2015		698,700
8/24/2015		474,000
8/25/2015		411,000
8/26/2015		255,300
8/27/2015		222,400
8/28/2015		188,000
8/31/2015		163,700
9/1/2015		74,100
9/2/2015		247,200
9/3/2015		139,000
9/4/2015		98,600
9/8/2015		159,950
9/9/2015		165,300
9/10/2015		140,500
9/11/2015		149,000
9/14/2015		139,067
9/15/2015		109,400
9/16/2015		102,000
9/17/2015		114,500
9/18/2015		130,300
9/21/2015		119,433
9/22/2015		136,100
9/23/2015		160,900
9/24/2015		129,100
9/25/2015		1,088,700
9/28/2015		509,300
9/29/2015		355,400
9/30/2015		240,500
10/1/2015		182,300
10/2/2015		175,200
10/5/2015		658,367
10/6/2015		569,500
10/7/2015		434,300
10/8/2015		311,200

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
10/9/2015		226,400
10/12/2015		504,800
10/13/2015		333,700
10/14/2015		144,700
10/15/2015		107,200
10/16/2015		80,900
10/19/2015		62,567
10/20/2015		67,400
10/21/2015		61,000
10/22/2015		50,900
10/23/2015		51,800
10/26/2015		57,067
10/27/2015		68,700
10/28/2015		101,500
10/29/2015		110,500
10/30/2015		72,900
11/2/2015		78,067
11/3/2015		647,712
11/4/2015		536,557
11/5/2015		304,500
11/6/2015		215,100
11/9/2015		207,367
11/10/2015		379,100
11/11/2015		186,000
11/12/2015		127,800
11/13/2015		93,800
11/16/2015		51,700
11/17/2015		48,300
11/18/2015		48,200
11/19/2015		299,400
11/20/2015		198,100
11/23/2015		98,133
11/24/2015		137,200
11/25/2015		133,600
11/30/2015		109,820
12/1/2015		108,600
12/2/2015		142,000
12/3/2015		350,500
12/4/2015		276,700
12/7/2015		129,500
12/8/2015		126,200
12/9/2015		127,500

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
12/10/2015		118,900
12/11/2015		125,600
12/14/2015		134,133
12/15/2015		162,700
12/16/2015		115,700
12/17/2015		140,800
12/18/2015		251,300
12/21/2015		154,300

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
12/22/2015		190,900
12/23/2015		491,700
12/24/2015		638,600
12/28/2015		221,800
12/29/2015		190,200
12/30/2015		272,400
12/31/2015		651,400

Table 4 National Pollution Discharge Elimination System Industrial Wastewater Flow Data (continued)**Outfall: H-07**

Collection Date (Grab or 24-Hrs Composite)	Less Than (<)	Flow Result (gallons per minute)
2/11/2015		3.2
4/27/2015		7.0
8/17/2015		0
10/19/2015		0.0

Outfall: H-12

Collection Date (Grab or 24-Hrs Composite)	Less Than (<)	Flow Result (gallons per minute)
1/22/2015		548.9
2/11/2015		1,233.1
3/10/2015		176.7
4/21/2015		73.7
5/11/2015		32.2
6/9/2015		61.15
7/14/2015		51.6
8/10/2015		175.8
9/21/2015		810.5
10/14/2015		26.4
11/12/2015		34.1
12/8/2015		31.9

Table 4 National Pollution Discharge Elimination System Industrial Wastewater Flow Data (continued)

Outfall: H-16

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
1/7/2015		161
1/12/2015		183
1/20/2015		183
1/26/2015		182
2/2/2015		182
2/9/2015		185
2/17/2015		185
2/23/2015		181
3/2/2015		185
3/9/2015		185
3/16/2015		182
3/23/2015		181
4/1/2015		184
4/13/2015		183
4/20/2015		180
4/30/2015		181
5/4/2015		182
5/11/2015		180
5/18/2015		0
5/26/2015		180
6/1/2015		180
6/8/2015		180
6/15/2015		181

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
6/22/2015		178
7/6/2015		181
7/13/2015		180
7/20/2015		181
7/27/2015		182
8/3/2015		181
8/11/2015		180
8/17/2015		182
8/25/2015		182
9/1/2015		182
9/8/2015		181
9/15/2015		180
9/23/2015		180
10/14/2015		185
10/26/2015		186
11/2/2015		183
11/9/2015		181
11/16/2015		182
11/30/2015		0
12/1/2015		181
12/8/2015		183
12/22/2015		181

Table 4 National Pollution Discharge Elimination System Industrial Wastewater Flow Data (continued)

Outfall: K-12

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
1/7/2015		161
1/2/2015		1,028
1/3/2015		681
1/4/2015		3,616
1/5/2015		1,694
1/6/2015		1,421
1/7/2015		995
1/8/2015		842
1/9/2015		911
1/10/2015		733
1/11/2015		1,284
1/12/2015		4,477
1/13/2015		2,320
1/14/2015		845
1/15/2015		1,871
1/16/2015		618
1/17/2015		0
1/18/2015		638
1/19/2015		639
1/20/2015		841
1/21/2015		1,486
1/22/2015		764
1/23/2015		5,751
1/24/2015		2,919
1/25/2015		1,036
1/26/2015		1,461
1/27/2015		986
1/28/2015		1,287
1/29/2015		1,104
1/30/2015		600
1/31/2015		735
2/1/2015		565
2/2/2015		1,600
2/3/2015		910
2/4/2015		1,452
2/5/2015		619
2/6/2015		744
2/7/2015		0
2/8/2015		668

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
2/9/2015		1,801
2/10/2015		1,031
2/11/2015		1,615
2/12/2015		1,159
2/13/2015		959
2/14/2015		699
2/15/2015		2
2/16/2015		1,136
2/17/2015		1,700
2/18/2015		1,533
2/19/2015		1,591
2/20/2015		788
2/21/2015		654
2/22/2015		2,796
2/23/2015		6,695
2/24/2015		1,769
2/25/2015		6,846
2/26/2015		8,213
2/27/2015		1,325
2/28/2015		764
3/1/2015		530
3/2/2015		3,478
3/3/2015		1,971
3/4/2015		1,548
3/5/2015		1,426
3/6/2015		0
3/7/2015		1,500
3/8/2015		1,402
3/9/2015		1,869
3/10/2015		775
3/11/2015		863
3/12/2015		1,387
3/13/2015		608
3/14/2015		860
3/15/2015		759
3/16/2015		1,669
3/17/2015		1,329
3/18/2015		1,588
3/19/2015		5,088

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
3/20/2015		1,189
3/21/2015		1,357
3/22/2015		6,266
3/23/2015		7,750
3/24/2015		3,800
3/25/2015		1,836
3/26/2015		1,729
3/27/2015		606
3/28/2015		938
3/29/2015		0
3/30/2015		1,629
3/31/2015		1,820
4/1/2015		1,729
4/2/2015		46
4/3/2015		888
4/4/2015		652
4/5/2015		914
4/6/2015		3,477
4/7/2015		1,597
4/8/2015		2,097
4/9/2015		1,049
4/10/2015		772
4/11/2015		735
4/12/2015		636
4/13/2015		3,901
4/14/2015		2,287
4/15/2015		2,211
4/16/2015		1,936
4/17/2015		1,184
4/18/2015		4,375
4/19/2015		3,435
4/20/2015		2,023
4/21/2015		1,449
4/22/2015		2,324
4/23/2015		2,532
4/24/2015		0
4/25/2015		2,843
4/26/2015		3,170
4/27/2015		1,809
4/28/2015		1,534
4/29/2015		1,972
4/30/2015		946

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
5/1/2015		781
5/2/2015		754
5/3/2015		746
5/4/2015		1,121
5/5/2015		1,842
5/6/2015		872
5/7/2015		1,712
5/8/2015		811
5/9/2015		795
5/10/2015		0
5/11/2015		1,870
5/12/2015		1,084
5/13/2015		1,524
5/14/2015		1,222
5/15/2015		493
5/16/2015		905
5/17/2015		3,109
5/18/2015		2,562
5/19/2015		1,423
5/20/2015		995
5/21/2015		2,021
5/22/2015		852
5/23/2015		0
5/24/2015		882
5/25/2015		801
5/26/2015		1,049
5/27/2015		1,941
5/28/2015		1,253
5/29/2015		909
5/30/2015		25
5/31/2015		985
6/1/2015		2,385
6/2/2015		2,328
6/3/2015		4,310
6/4/2015		10,073
6/5/2015		1,022
6/6/2015		0
6/7/2015		893
6/8/2015		3,849
6/9/2015		4,945
6/10/2015		1,797
6/11/2015		1,098

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
6/12/2015		879
6/13/2015		10
6/14/2015		2,720
6/15/2015		674
6/16/2015		872
6/17/2015		1,797
6/18/2015		1,031
6/19/2015		763
6/20/2015		4,990
6/21/2015		0
6/22/2015		1,982
6/23/2015		2,317
6/24/2015		1,033
6/25/2015		895
6/26/2015		1,003
6/27/2015		0
6/28/2015		849
6/29/2015		1,699
6/30/2015		1,445
7/1/2015		1,400
7/2/2015		3,079
7/3/2015		8,306
7/4/2015		964
7/5/2015		798
7/6/2015		1,613
7/7/2015		1,726
7/8/2015		1,069
7/9/2015		1,607
7/10/2015		16
7/11/2015		861
7/12/2015		766
7/13/2015		863
7/14/2015		1,575
7/15/2015		1,634
7/16/2015		1,464
7/17/2015		0
7/18/2015		2,006
7/19/2015		2,329
7/20/2015		2,704
7/21/2015		1,325
7/22/2015		1,939
7/23/2015		1,519

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
7/24/2015		0
7/25/2015		466
7/26/2015		766
7/27/2015		1,130
7/28/2015		1,047
7/29/2015		1,975
7/30/2015		944
7/31/2015		834
8/1/2015		865
8/2/2015		855
8/3/2015		1,765
8/4/2015		1,483
8/5/2015		1,726
8/6/2015		1,078
8/7/2015		139
8/8/2015		841
8/9/2015		734
8/10/2015		1,607
8/11/2015		888
8/12/2015		1,170
8/13/2015		1,039
8/14/2015		866
8/15/2015		0
8/16/2015		726
8/17/2015		1,899
8/18/2015		5,088
8/19/2015		2,046
8/20/2015		3,575
8/21/2015		875
8/22/2015		1,451
8/23/2015		2,505
8/24/2015		981
8/25/2015		2,084
8/26/2015		947
8/27/2015		1,159
8/28/2015		870
8/29/2015		0
8/30/2015		818
8/31/2015		1,680
9/1/2015		2,424
9/2/2015		1,981
9/3/2015		734

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
9/4/2015		1,084
9/5/2015		922
9/6/2015		0
9/7/2015		1,074
9/8/2015		1,215
9/9/2015		1,276
9/10/2015		2,377
9/11/2015		895
9/12/2015		1
9/13/2015		830
9/14/2015		2,588
9/15/2015		715
9/16/2015		1,282
9/17/2015		1,201
9/18/2015		0
9/19/2015		947
9/20/2015		1,306
9/21/2015		924
9/22/2015		1,845
9/23/2015		765
9/24/2015		7,075
9/25/2015		9,371
9/26/2015		923
9/27/2015		827
9/28/2015		843
9/29/2015		1,786
9/30/2015		1,341
10/1/2015		1,871
10/2/2015		389
10/3/2015		5,551
10/4/2015		7,562
10/5/2015		5,904
10/6/2015		2,238
10/7/2015		1,485
10/8/2015		1,453
10/9/2015		662
10/10/2015		3,713
10/11/2015		1,560
10/12/2015		1,928
10/13/2015		1,225
10/14/2015		980
10/15/2015		2,335

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
10/16/2015		865
10/17/2015		970
10/18/2015		1,033
10/19/2015		1,297
10/20/2015		2,046
10/21/2015		3,680
10/22/2015		1,173
10/23/2015		1,033
10/24/2015		1,157
10/25/2015		1,163
10/26/2015		2,224
10/27/2015		1,331
10/28/2015		1,984
10/29/2015		1,222
10/30/2015		944
10/31/2015		1,075
11/1/2015		803
11/2/2015		11,821
11/3/2015		13,278
11/4/2015		2,782
11/5/2015		831
11/6/2015		1,228
11/7/2015		1,102
11/8/2015		6,380
11/9/2015		13,432
11/10/2015		1,924
11/11/2015		2,518
11/12/2015		986
11/13/2015		751
11/14/2015		839
11/15/2015		815
11/16/2015		1,159
11/17/2015		2,431
11/18/2015		5,676
11/19/2015		5,056
11/20/2015		978
11/21/2015		967
11/22/2015		826
11/23/2015		2,034
11/24/2015		1,611
11/25/2015		1,113
11/26/2015		886

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
11/27/2015		0
11/28/2015		1,005
11/29/2015		886
11/30/2015		1,986
12/1/2015		2,114
12/2/2015		1,461
12/3/2015		2,321
12/4/2015		33
12/5/2015		980
12/6/2015		924
12/7/2015		2,318
12/8/2015		1,081
12/9/2015		2,850
12/10/2015		941
12/11/2015		1
12/12/2015		862
12/13/2015		1,275
12/14/2015		1,263

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
12/15/2015		1,300
12/16/2015		1,706
12/17/2015		1,476
12/18/2015		132
12/19/2015		0
12/20/2015		868
12/21/2015		2,027
12/22/2015		4,173
12/23/2015		5,636
12/24/2015		1,793
12/25/2015		998
12/26/2015		906
12/27/2015		1,522
12/28/2015		1,314
12/29/2015		2,099
12/30/2015		7,064
12/31/2015		9,032

Table 4 National Pollution Discharge Elimination System Industrial Wastewater Flow Data (continued)

Outfall: K-18

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
2/11/2015		800
4/27/2015		315
8/17/2015		378
10/20/2015		418

Table 4 National Pollution Discharge Elimination System Industrial Wastewater Flow Data (continued)

Outfall: L-07

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
1/5/2015		6,258.78
1/12/2015		6,564.08
1/20/2015		5,861.88
1/26/2015		5,861.88
2/2/2015		5,861.88
2/9/2015		5,861.88
2/17/2015		5,861.88
2/23/2015		5,861.88
3/2/2015		6,670.94
3/9/2015		6,762.53
3/16/2015		6,762.53
3/23/2015		7,067.84
3/30/2015		7,067.84
4/6/2015		6,365.63
4/13/2015		6,564.08
4/20/2015		6,869.39
4/27/2015		6,365.63
5/4/2015		6,365.63
5/11/2015		6,472.49
5/18/2015		6,762.53
5/26/2015		6,472.49
6/1/2015		6,365.63
6/8/2015		6,365.63
6/15/2015		6,869.39
6/22/2015		6,365.63
6/29/2015		6,365.63

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
7/6/2015		6,365.63
7/13/2015		6,365.63
7/20/2015		5,861.88
7/27/2015		6,365.63
8/3/2015		6,365.63
8/10/2015		6,365.63
8/17/2015		6,365.63
8/24/2015		6,670.94
8/31/2015		6,365.63
9/8/2015		N/A
9/21/2015		6,365.63
9/28/2015		6,365.63
10/5/2015		7,357.88
10/12/2015		6,762.53
10/19/2015		7,266.29
10/27/2015		7,357.88
11/2/2015		7,357.88
11/9/2015		1,022.78
11/16/2015		508.33
11/23/2015		6,258.78
11/30/2015		6,365.63
12/7/2015		6,365.63
12/14/2015		6,365.63
12/21/2015		6,258.78
12/28/2015		6,121.39

Table 4 National Pollution Discharge Elimination System Industrial Wastewater Flow Data (continued)

Outfall: L-7A

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
1/1/2015		0
1/2/2015		4,582
1/3/2015		465
1/4/2015		4,466
1/5/2015		6,733
1/6/2015		1,535
1/7/2015		962
1/8/2015		2,602
1/9/2015		23
1/10/2015		0
1/11/2015		0
1/12/2015		2,046
1/13/2015		2,105
1/14/2015		1,056
1/15/2015		607
1/16/2015		3,685
1/17/2015		270
1/18/2015		22
1/19/2015		10
1/20/2015		353
1/21/2015		2,086
1/22/2015		0
1/23/2015		4,725
1/24/2015		4,880
1/25/2015		1,570
1/26/2015		2,218
1/27/2015		39
1/28/2015		17
1/29/2015		4,009
1/30/2015		9
1/31/2015		0
2/1/2015		7
2/2/2015		312
2/3/2015		2,351
2/4/2015		2,169
2/5/2015		30
2/6/2015		0

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
2/7/2015		0
2/8/2015		2,673
2/9/2015		5,609
2/10/2015		4,996
2/11/2015		276
2/12/2015		818
2/13/2015		107
2/14/2015		3,128
2/15/2015		2
2/16/2015		30
2/17/2015		2,503
2/18/2015		229
2/19/2015		2,472
2/20/2015		64
2/21/2015		14
2/22/2015		4,509
2/23/2015		5,743
2/24/2015		3,909
2/25/2015		9,181
2/26/2015		6,656
2/27/2015		4,909
2/28/2015		75
3/1/2015		3,480
3/2/2015		16,044
3/3/2015		3,980
3/4/2015		3,043
3/5/2015		2,521
3/6/2015		4,646
3/7/2015		177
3/8/2015		3,226
3/9/2015		592
3/10/2015		3,826
3/11/2015		1,243
3/12/2015		852
3/13/2015		676
3/14/2015		7,658
3/15/2015		1,118

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
3/16/2015		2,061
3/17/2015		13
3/18/2015		0
3/19/2015		5,533
3/20/2015		4,732
3/21/2015		2,280
3/22/2015		11,625
3/23/2015		7,355
3/24/2015		4,123
3/25/2015		4,264
3/26/2015		2,591
3/27/2015		632
3/28/2015		1,253
3/29/2015		0
3/30/2015		1,688
3/31/2015		47
4/1/2015		0
4/2/2015		2,881
4/3/2015		3
4/4/2015		0
4/5/2015		0
4/6/2015		2,394
4/7/2015		2,510
4/8/2015		28
4/9/2015		2,679
4/10/2015		3
4/11/2015		3
4/12/2015		0
4/13/2015		2,235
4/14/2015		17
4/15/2015		2,754
4/16/2015		2,579
4/17/2015		1,020
4/18/2015		8,082
4/19/2015		9,066
4/20/2015		7,692
4/21/2015		3,544
4/22/2015		4,094
4/23/2015		2,223
4/24/2015		634
4/25/2015		2,957
4/26/2015		2,019

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
4/27/2015		7
4/28/2015		1,932
4/29/2015		2,619
4/30/2015		93
5/1/2015		2,331
5/2/2015		5
5/3/2015		1
5/4/2015		596
5/5/2015		40
5/6/2015		1,380
5/7/2015		0
5/8/2015		0
5/9/2015		0
5/10/2015		0
5/11/2015		1,129
5/12/2015		5
5/13/2015		2
5/14/2015		1,993
5/15/2015		0
5/16/2015		1
5/17/2015		0
5/18/2015		0
5/19/2015		1,802
5/20/2015		0
5/21/2015		1,604
5/22/2015		3
5/23/2015		10
5/24/2015		15
5/25/2015		163
5/26/2015		2,592
5/27/2015		2,666
5/28/2015		1,555
5/29/2015		17
5/30/2015		94
5/31/2015		2,513
6/1/2015		1,150
6/2/2015		4,182
6/3/2015		629
6/4/2015		5,516
6/5/2015		114
6/6/2015		0
6/7/2015		0

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
6/8/2015		182
6/9/2015		0
6/10/2015		902
6/11/2015		249
6/12/2015		340
6/13/2015		1,371
6/14/2015		0
6/15/2015		2,103
6/16/2015		1,591
6/17/2015		499
6/18/2015		1,950
6/19/2015		0
6/20/2015		0
6/21/2015		0
6/22/2015		1,778
6/23/2015		0
6/24/2015		2,224
6/25/2015		0
6/26/2015		0
6/27/2015		0
6/28/2015		1,610
6/29/2015		0
6/30/2015		114
7/1/2015		2,878
7/2/2015		168
7/3/2015		4,175
7/4/2015		620
7/5/2015		1,743
7/6/2015		107
7/7/2015		2,500
7/8/2015		220
7/9/2015		2,053
7/10/2015		0
7/11/2015		0
7/12/2015		0
7/13/2015		0
7/14/2015		617
7/15/2015		1,980
7/16/2015		0
7/17/2015		0
7/18/2015		2,316
7/19/2015		0

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
7/20/2015		258
7/21/2015		231
7/22/2015		8,524
7/23/2015		3,681
7/24/2015		1,379
7/25/2015		0
7/26/2015		0
7/27/2015		0
7/28/2015		907
7/29/2015		1,684
7/30/2015		0
7/31/2015		0
8/1/2015		1,786
8/2/2015		0
8/3/2015		3,850
8/4/2015		357
8/5/2015		1,732
8/6/2015		2,892
8/7/2015		3
8/8/2015		0
8/9/2015		0
8/10/2015		311
8/11/2015		572
8/12/2015		0
8/13/2015		0
8/14/2015		2,616
8/15/2015		0
8/16/2015		0
8/17/2015		1,727
8/18/2015		1,611
8/19/2015		0
8/20/2015		2,337
8/21/2015		1
8/22/2015		10
8/23/2015		4,634
8/24/2015		1,404
8/25/2015		0
8/26/2015		1,527
8/27/2015		0
8/28/2015		0
8/29/2015		0
8/30/2015		1,685

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
8/31/2015		340
9/1/2015		2,542
9/2/2015		717
9/3/2015		2,150
9/4/2015		85
9/5/2015		3
9/6/2015		0
9/7/2015		0
9/8/2015		12
9/9/2015		1,055
9/10/2015		379
9/11/2015		51
9/12/2015		18
9/13/2015		0
9/14/2015		0
9/15/2015		0
9/16/2015		1,041
9/17/2015		630
9/18/2015		0
9/19/2015		0
9/20/2015		0
9/21/2015		1,184
9/22/2015		969
9/23/2015		0
9/24/2015		6,247
9/25/2015		2,255
9/26/2015		0
9/27/2015		2,075
9/28/2015		1
9/29/2015		1,187
9/30/2015		1,205
10/1/2015		5
10/2/2015		0
10/3/2015		4,878
10/4/2015		6,552
10/5/2015		7,645
10/6/2015		4,417
10/7/2015		2,555
10/8/2015		19
10/9/2015		2,206
10/10/2015		3,203
10/11/2015		2,016

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
10/12/2015		2,523
10/13/2015		2,454
10/14/2015		7
10/15/2015		2,537
10/16/2015		41
10/17/2015		0
10/18/2015		0
10/19/2015		0
10/20/2015		2,056
10/21/2015		13
10/22/2015		139
10/23/2015		42
10/24/2015		4
10/25/2015		15
10/26/2015		3,987
10/27/2015		923
10/28/2015		16
10/29/2015		3,022
10/30/2015		0
10/31/2015		0
11/1/2015		0
11/2/2015		7,477
11/3/2015		6,717
11/4/2015		3,488
11/5/2015		7,150
11/6/2015		2,333
11/7/2015		10
11/8/2015		4,111
11/9/2015		7,514
11/10/2015		3,711
11/11/2015		2,285
11/12/2015		3,325
11/13/2015		0
11/14/2015		0
11/15/2015		2,110
11/16/2015		291
11/17/2015		204
11/18/2015		4,957
11/19/2015		10,118
11/20/2015		2,860
11/21/2015		3,025
11/22/2015		66

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
11/23/2015		2,754
11/24/2015		12
11/25/2015		1
11/26/2015		1
11/27/2015		1
11/28/2015		0
11/29/2015		1
11/30/2015		2,922
12/1/2015		203
12/2/2015		2,220
12/3/2015		0
12/4/2015		0
12/5/2015		0
12/6/2015		2,796
12/7/2015		1,040
12/8/2015		219
12/9/2015		2,808
12/10/2015		52
12/11/2015		28
12/12/2015		12

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per day)
12/13/2015		8
12/14/2015		2,658
12/15/2015		194
12/16/2015		3,426
12/17/2015		230
12/18/2015		89
12/19/2015		35
12/20/2015		21
12/21/2015		2,578
12/22/2015		2,406
12/23/2015		1,251
12/24/2015		2,644
12/25/2015		193
12/26/2015		154
12/27/2015		136
12/28/2015		3,151
12/29/2015		697
12/30/2015		8,020
12/31/2015		12,324

Table 4 National Pollution Discharge Elimination System Industrial Wastewater Flow Data (continued)

Outfall: M-05

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
1/5/2015		390
1/6/2015		400
1/7/2015		400
1/8/2015		400
1/12/2015		400
1/13/2015		400
1/14/2015		400
1/15/2015		400
1/19/2015		370
1/20/2015		370
1/21/2015		370
1/22/2015		370
1/26/2015		400
1/27/2015		380
1/28/2015		380
1/29/2015		400
2/2/2015		440
2/3/2015		410
2/4/2015		410
2/5/2015		410
2/9/2015		440
2/10/2015		420
2/11/2015		420
2/12/2015		420
2/16/2015		410
2/17/2015		410
2/18/2015		405
2/19/2015		405
2/23/2015		400
2/24/2015		400
2/25/2015		400
2/26/2015		400
3/2/2015		360
3/3/2015		410
3/4/2015		410
3/5/2015		400

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
3/9/2015		420
3/10/2015		420
3/11/2015		420
3/12/2015		420
3/16/2015		500
3/17/2015		0
3/18/2015		0
3/19/2015		0
3/23/2015		410
3/24/2015		400
3/25/2015		400
3/26/2015		400
3/30/2015		450
3/31/2015		450
4/1/2015		450
4/2/2015		450
4/6/2015		450
4/7/2015		450
4/8/2015		450
4/9/2015		450
4/13/2015		450
4/14/2015		450
4/15/2015		450
4/16/2015		450
4/20/2015		440
4/21/2015		440
4/22/2015		440
4/23/2015		440
4/27/2015		450
4/28/2015		450
4/29/2015		450
4/30/2015		450
5/4/2015		440
5/5/2015		440
5/6/2015		500
5/7/2015		440

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
5/11/2015		440
5/12/2015		440
5/13/2015		440
5/14/2015		450
5/18/2015		450
5/19/2015		440
5/20/2015		440
5/21/2015		440
5/25/2015		440
5/26/2015		440
5/27/2015		440
5/28/2015		440
6/1/2015		440
6/2/2015		440
6/3/2015		440
6/4/2015		440
6/8/2015		490
6/9/2015		450
6/10/2015		450
6/11/2015		450
6/15/2015		440
6/16/2015		440
6/17/2015		440
6/18/2015		440
6/22/2015		470
6/23/2015		470
6/24/2015		470
6/25/2015		470
6/29/2015		460
6/30/2015		340
7/1/2015		340
7/2/2015		340
7/6/2015		334
7/7/2015		334
7/8/2015		333
7/9/2015		333
7/13/2015		329
7/14/2015		329
7/15/2015		329
7/16/2015		328
7/20/2015		332

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
7/21/2015		466
7/22/2015		462
7/23/2015		464
7/27/2015		462
7/28/2015		463
7/29/2015		462
7/30/2015		462
8/3/2015		460
8/4/2015		460
8/5/2015		460
8/6/2015		460
8/10/2015		460
8/11/2015		465
8/12/2015		460
8/13/2015		470
8/17/2015		465
8/18/2015		475
8/19/2015		475
8/20/2015		475
8/24/2015		470
8/25/2015		470
8/26/2015		460
8/27/2015		460
8/31/2015		460
9/1/2015		460
9/2/2015		460
9/3/2015		460
9/7/2015		470
9/8/2015		460
9/9/2015		460
9/10/2015		460
9/14/2015		460
9/15/2015		460
9/16/2015		460
9/17/2015		460
9/21/2015		480
9/22/2015		480
9/23/2015		480
9/24/2015		460
9/28/2015		480
9/29/2015		480

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
9/30/2015		480
10/1/2015		480
10/5/2015		0
10/6/2015		0
10/7/2015		0
10/8/2015		0
10/12/2015		460
10/13/2015		460
10/14/2015		470
10/15/2015		470
10/19/2015		460
10/20/2015		460
10/21/2015		460
10/22/2015		460
10/26/2015		460
10/27/2015		460
10/28/2015		460
10/29/2015		460
11/2/2015		451
11/3/2015		459
11/4/2015		459
11/5/2015		460
11/9/2015		456
11/10/2015		454
11/11/2015		496
11/12/2015		451
11/16/2015		445

Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Flow Result (gallons per minute)
11/17/2015		469
11/18/2015		467
11/19/2015		467
11/23/2015		465
11/24/2015		465
11/25/2015		463
11/27/2015		463
11/30/2015		464
12/1/2015		468
12/2/2015		470
12/3/2015		469
12/7/2015		467
12/8/2015		467
12/9/2015		466
12/10/2015		470
12/14/2015		471
12/15/2015		471
12/16/2015		470
12/17/2015		469
12/21/2015		400
12/22/2015		418
12/23/2015		430
12/24/2015		428
12/28/2015		425
12/29/2015		425
12/30/2015		424
12/31/2015		424

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data

Outfall: A-01

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Result	Unit
Biochemical Oxygen Demand	1/21/2015	$<$	2.0	MG/L
	2/18/2015	$<$	2.0	
	3/10/2015	$<$	2.0	
	4/21/2015	$<$	2.0	
	5/5/2015	$<$	2.0	
	6/2/2015		2.28	
	7/7/2015	$<$	2.0	
	8/4/2015	$<$	2.0	
	9/2/2015	$<$	2.0	
	10/13/2015	$<$	2.0	
	11/11/2015	$<$	2.0	
	12/15/2015	$<$	2.0	
Iron	1/21/2015		0.1224	MG/L
	2/18/2015		0.1850	
	3/10/2015		0.2550	
	4/21/2015		0.4510	
	5/5/2015		0.3190	
	6/2/2015		0.5770	
	7/7/2015		0.5400	
	8/4/2015		0.5240	
	9/2/2015		0.2850	
	10/13/2015		0.6280	
	11/11/2015		0.4270	
	12/15/2015		0.1720	
Oil & Grease	1/20/2015	$<$	5.0	MG/L
	2/17/2015		6.3	
	3/9/2015	$<$	5.0	
	4/20/2015	$<$	5.0	
	5/4/2015	$<$	5.0	
	6/2/2015	$<$	5.0	
	7/6/2015	$<$	5.0	
	8/3/2015	$<$	5.0	
	9/2/2015	$<$	5.0	
	10/13/2015	$<$	5.0	
	11/10/2015	$<$	5.0	
	12/15/2015	$<$	5.0	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: A-01 (continued)

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than (<)	Result	Unit
pH	1/20/2015		7.9	SU
	2/17/2015		6.7	
	3/9/2015		7.2	
	4/20/2015		6.8	
	5/4/2015		6.9	
	6/2/2015		7.3	
	7/6/2015		6.1	
	8/3/2015		6.5	
	9/2/2015		8.2	
	10/13/2015		8.1	
	11/10/2015		6.8	
	12/15/2015		7.1	
Total Suspended Solids	1/21/2015		2.0	MG/L
	2/18/2015		1.0	
	3/10/2015		1.0	
	4/21/2015		3.0	
	5/5/2015		4.0	
	6/2/2015		7.0	
	7/7/2015		3.0	
	8/4/2015		4.0	
	9/2/2015		1.0	
	10/13/2015	<	1.0	
	11/11/2015		1.0	
	12/15/2015		1.0	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: A-11

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Result	Unit
Biochemical Oxygen Demand	1/21/2015	$<$	2.0	MG/L
	2/18/2015	$<$	2.0	
	3/10/2015	$<$	2.0	
	4/21/2015	$<$	2.0	
	5/5/2015	$<$	2.0	
	6/2/2015		2.09	
	7/7/2015	$<$	2.0	
	8/4/2015	$<$	2.0	
	9/2/2015	$<$	2.0	
	10/13/2015	$<$	2.0	
	11/11/2015	$<$	2.0	
	12/15/2015	$<$	2.0	
Low Level Mercury	1/20/2015		0.00123	μ G/L
	2/9/2015		0.00132	
	3/9/2015		0.00164	
	4/6/2015		0.00170	
	5/5/2015		0.00169	
	6/1/2015		0.00135	
	7/9/2015		0.02310	
	8/5/2015		0.00383	
	9/1/2015		0.00271	
	10/21/2015		0.01040	
	11/16/2015		0.00897	
	12/1/2015		0.00283	
pH	1/20/2015		7.8	SU
	2/17/2015		7.2	
	3/9/2015		7.1	
	4/20/2015		6.9	
	5/4/2015		6.9	
	6/1/2015		6.9	
	7/6/2015		6.8	
	8/3/2015		6.6	
	9/1/2015		7.9	
	10/13/2015		7.9	
	11/11/2015		6.7	
	12/15/2015		7.2	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: A-11 (continued)

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than (<)	Result	Unit
Total Suspended Solids	1/21/2015	<	1.0	MG/L
	2/18/2015		1.0	
	3/10/2015	<	1.0	
	4/21/2015	<	1.0	
	5/5/2015	<	1.0	
	6/2/2015		2.0	
	7/7/2015	<	1.0	
	8/4/2015		1.0	
	9/2/2015	<	1.0	
	10/13/2015	<	1.0	
	11/11/2015	<	1.0	
	12/15/2015		1.0	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: A-1A

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Result	Unit
Tetrachloroethylene	1/6/2015		NF	mg/L
	2/17/2015	$<$	2	
	3/10/2015		NF	
	4/8/2015		NF	
	5/20/2015	$<$	2	
	6/2/2015		NF	
	7/21/2015		NF	
	8/6/2015	$<$	2	
	9/8/2015		NF	
	10/28/2015		NF	
	11/30/2015		NF	
	12/3/2015	$<$	2	
Trichloroethylene	1/6/2015		NF	mg/L
	2/17/2015	$<$	2	
	3/10/2015		NF	
	4/8/2015		NF	
	5/20/2015	$<$	2	
	6/2/2015		NF	
	7/21/2015		NF	
	8/6/2015	$<$	2	
	9/8/2015		NF	
	10/28/2015		NF	
	11/30/2015		NF	
	12/3/2015	$<$	2	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: D-02

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than (<)	Result	Unit
Copper	1/5/2015	<	0.0050	MG/L
	4/1/2015	<	0.0100	
	7/1/2015		NF	
	10/1/2015		NF	
Nickel	1/5/2015	<	0.0100	MG/L
	4/1/2015	<	0.0100	
	7/1/2015		NF	
	10/1/2015		NF	
Oil & Grease	1/5/2015	<	5.0	MG/L
	1/12/2015	<	5.0	
	4/1/2015	<	5.0	
	7/1/2015		NF	
	10/1/2015		NF	
pH	1/5/2015		6.5	SU
	4/1/2015		6.6	
	7/1/2015		NF	
	10/1/2015		NF	
Total Suspended Solids	1/5/2015		22.0	MG/L
	4/1/2015		2.0	
	7/1/2015		NF	
	10/1/2015		NF	
Zinc	1/5/2015		0.0154	MG/L
	4/1/2015	<	0.0100	
	7/1/2015		NF	
	10/1/2015		NF	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: F-08

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than (<)	Result	Unit
Lead	1/22/2015	<	0.0020	MG/L
	2/12/2015	<	0.0020	
	3/11/2015	<	0.0020	
	4/22/2015	<	0.0020	
	5/11/2015		NF	
	6/9/2015	<	0.0020	
	7/15/2015	<	0.0020	
	8/11/2015	<	0.0020	
	9/21/2015		NF	
	10/19/2015		NF	
	11/12/2015	<	0.0020	
	12/9/2015		NF	
pH	1/22/2015		6.6	SU
	2/11/2015		6.8	
	3/10/2015		7.2	
	4/21/2015		6.3	
	5/11/2015		NF	
	6/8/2015		6.8	
	7/14/2015		6.6	
	8/10/2015		6.8	
	9/21/2015		NF	
	10/19/2015		NF	
	11/12/2015		6.1	
	12/9/2015		NF	
Zinc	1/22/2015		0.0852	MG/L
	2/12/2015		0.1209	
	3/11/2015		0.1440	
	4/22/2015		0.1300	
	5/11/2015		NF	
	6/9/2015		0.0932	
	7/15/2015		0.0383	
	8/11/2015		0.0368	
	9/21/2015		NF	
	10/19/2015		NF	
	11/12/2015		0.1160	
	12/9/2015		NF	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: G-10

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than (<)	Result	Unit
Ammonia-Nitrogen	1/6/2015	<	0.10	MG/L
	1/13/2015	<	0.10	
	2/3/2015		0.13	
	2/10/2015	<	0.10	
	3/3/2015	<	0.10	
	3/10/2015		0.42	
	4/7/2015		0.13	
	4/14/2015	<	0.10	
	5/5/2015		0.11	
	5/12/2015		0.12	
	6/2/2015	<	0.10	
	6/9/2015		0.24	
	7/7/2015		0.14	
	7/14/2015		0.15	
	8/4/2015		0.17	
	8/11/2015		0.16	
	9/2/2015		0.18	
	9/8/2015	<	0.10	
	10/6/2015		0.11	
	10/13/2015		0.11	
	11/3/2015		0.16	
	11/24/2015		0.23	
	12/2/2015		0.44	
	12/8/2015		0.26	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: G-10 (continued)

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Result	Unit
Biochemical Oxygen Demand	1/6/2015		3.25	MG/L
	1/13/2015		5.38	
	2/3/2015		2.41	
	2/10/2015		4.87	
	3/3/2015		2.98	
	3/10/2015	$<$	2.00	
	4/7/2015		2.04	
	4/14/2015		3.39	
	5/5/2015		2.46	
	5/12/2015		2.33	
	6/2/2015		2.09	
	6/9/2015	$<$	2.00	
	7/7/2015	$<$	2.00	
	7/14/2015	$<$	2.00	
	8/4/2015	$<$	2.00	
	8/11/2015	$<$	2.00	
	9/2/2015	$<$	2.00	
	9/8/2015	$<$	2.00	
	10/6/2015		2.05	
	10/13/2015	$<$	2.00	
	11/3/2015	$<$	2.00	
	11/10/2015	$<$	2.00	
	12/2/2015		2.97	
	12/8/2015	$<$	2.00	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: G-10 (continued)

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than (<)	Result	Unit
Dissolved Oxygen	1/8/2015		10.93	MG/L
	1/15/2015		10.53	
	2/10/2015		7.72	
	2/18/2015		9.88	
	3/3/2015		8.62	
	3/19/2015		8.18	
	4/6/2015		8.21	
	4/22/2015		7.48	
	5/11/2015		8.90	
	5/19/2015		8.08	
	6/9/2015		7.78	
	6/16/2015		7.42	
	7/13/2015		7.89	
	7/20/2015		7.42	
	8/10/2015		7.55	
	8/24/2015		7.50	
	9/11/2015		7.00	
	9/15/2015		8.11	
	10/12/2015		8.57	
	10/20/2015		9.03	
	11/5/2015		8.58	
	11/12/2015		8.71	
	12/4/2015		7.96	
	12/14/2015		8.93	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: G-10 (continued)

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than (<)	Result	Unit
Fecal Coliform	1/5/2015		2	COL/100ML
	1/12/2015		13	
	2/2/2015		2	
	2/9/2015		2	
	3/3/2015	<	2	
	3/9/2015	<	2	
	4/6/2015		79	
	4/13/2015	<	2	
	5/4/2015	<	2	
	5/11/2015	<	2	
	6/1/2015	<	2	
	6/8/2015	<	2	
	7/6/2015	<	2	
	7/13/2015	<	2	
	8/3/2015		2	
	8/10/2015	<	2	
	9/1/2015	<	2	
	9/8/2015	<	2	
	10/5/2015	<	2	
	10/12/2015	<	2	
	11/2/2015		17	
	11/9/2015		17	
	12/1/2015		13	
	12/7/2015		8	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: G-10 (continued)

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than (<)	Result	Unit
pH	1/8/2015		7.51	SU
	1/15/2015		7.22	
	2/10/2015		7.41	
	2/18/2015		7.17	
	3/3/2015		7.21	
	3/19/2015		7.30	
	4/6/2015		7.40	
	4/22/2015		7.51	
	5/11/2015		7.28	
	5/19/2015		7.20	
	6/9/2015		7.65	
	6/16/2015		7.57	
	7/13/2015		7.65	
	7/20/2015		7.41	
	8/10/2015		7.46	
	8/24/2015		7.30	
	9/11/2015		7.45	
	9/15/2015		7.70	
	10/12/2015		7.29	
	10/20/2015		7.42	
	11/5/2015		7.40	
	11/12/2015		7.15	
	12/4/2015		6.99	
	12/14/2015		7.43	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: G-10 (continued)

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than (<)	Result	Unit
Total Suspended Solids	1/6/2015		11.5	MG/L
	1/13/2015		5.5	
	2/3/2015		6.3	
	2/10/2015		5.6	
	3/3/2015		10.2	
	3/10/2015		3.0	
	4/7/2015		5.6	
	4/14/2015		8.4	
	5/5/2015		7.0	
	5/12/2015		4.9	
	6/2/2015		2.3	
	6/9/2015		2.3	
	7/7/2015		3.9	
	7/14/2015		1.5	
	8/4/2015		3.5	
	8/11/2015		3.3	
	9/2/2015		2.8	
	9/8/2015		2.4	
	10/6/2015		12.4	
	10/13/2015		1.9	
	11/3/2015		4.2	
	11/10/2015		1.5	
	12/2/2015		10.9	
	12/8/2015		5.1	

**Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring
Data (continued)**

Outfall: H-02

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than (<)	Result	Unit
Copper	1/22/2015		0.0065	MG/L
	2/12/2015		0.0105	
	3/11/2015		0.0091	
	4/22/2015		0.0072	
	5/12/2015		0.0084	
	6/9/2015		0.0054	
	7/15/2015	<	0.0050	
	8/11/2015	<	0.0050	
	9/22/2015	<	0.0050	
	10/14/2015		0.0054	
	11/12/2015		0.0056	
	12/8/2015	<	0.0050	
Lead	1/22/2015	<	0.0020	MG/L
	2/12/2015	<	0.0020	
	3/11/2015	<	0.0020	
	4/22/2015	<	0.0020	
	5/12/2015	<	0.0020	
	6/9/2015	<	0.0020	
	7/15/2015	<	0.0020	
	8/11/2015	<	0.0020	
	9/22/2015	<	0.0020	
	10/14/2015	<	0.0020	
	11/12/2015	<	0.0020	
	12/8/2015	<	0.0020	
pH	1/22/2015		7.1	SU
	2/11/2015		6.6	
	3/10/2015		7.0	
	4/21/2015		6.5	
	5/11/2015		7.1	
	6/8/2015		6.1	
	7/14/2015		6.8	
	8/10/2015		6.9	
	9/21/2015		6.7	
	10/14/2015		7.8	
	11/12/2015		6.8	
	12/8/2015		7.2	

**Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring
Data (continued)**

Outfall: H-02 (continued)

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Result	Unit
Zinc	1/22/2015	$<$	0.0100	MG/L
	2/12/2015		0.0155	
	3/11/2015		0.0142	
	4/22/2015	$<$	0.0100	
	5/12/2015		0.0101	
	6/9/2015	$<$	0.0100	
	7/15/2015	$<$	0.0100	
	8/11/2015	$<$	0.0100	
	9/22/2015	$<$	0.0100	
	10/14/2015		0.0114	
	11/12/2015		0.0104	
	12/8/2015		0.0108	

Outfall: H-07

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Result	Unit
pH	2/11/2015		6.9	SU
	4/27/2015		6.0	
	8/17/2015		NF	
	10/19/2015		NF	
Total Suspended Solids	2/12/2015		5.0	MG/L
	4/28/2015		4.0	
	8/17/2015		NF	
	10/19/2015		NF	

**Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring
Data (continued)**

Outfall: H-12

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than (<)	Result	Unit
Copper	1/22/2015		0.0076	MG/L
	2/12/2015		0.0065	
	3/11/2015		0.0067	
	4/22/2015		0.0078	
	5/12/2015	<	0.0050	
	6/9/2015		0.0051	
	7/15/2015		0.0102	
	8/11/2015	<	0.0050	
	9/22/2015		0.0072	
	10/14/2015	<	0.0050	
	11/12/2015		0.0092	
	12/8/2015		0.0052	
pH	1/22/2015		6.8	SU
	2/11/2015		6.8	
	3/10/2015		7.4	
	4/21/2015		6.7	
	5/11/2015		7.3	
	6/9/2015		6.3	
	7/14/2015		6.3	
	8/10/2015		7.0	
	9/21/2015		6.7	
	10/14/2015		6.8	
	11/12/2015		6.4	
	12/8/2015		7.3	
Zinc	1/22/2015		0.0503	MG/L
	2/12/2015		0.0441	
	3/11/2015		0.0211	
	4/22/2015		0.0311	
	5/12/2015		0.0159	
	6/9/2015		0.0274	
	7/15/2015		0.0354	
	8/11/2015		0.0424	
	9/22/2015		0.0380	
	10/14/2015		0.1820	
	11/12/2015		0.0390	
	12/8/2015		0.0314	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: H-16

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Result	Unit
Biochemical Oxygen Demand	1/7/2015	$<$	2.0	MG/L
	1/12/2015	$<$	2.0	
	1/20/2015	$<$	2.0	
	1/26/2015	$<$	2.0	
	2/2/2015	$<$	2.0	
	2/9/2015	$<$	2.0	
	2/17/2015	$<$	2.0	
	2/23/2015	$<$	2.0	
	3/2/2015	$<$	2.0	
	3/9/2015	$<$	2.0	
	3/16/2015	$<$	2.0	
	3/23/2015	$<$	2.0	
	4/1/2015	$<$	2.0	
	4/13/2015	$<$	2.0	
	4/20/2015	$<$	2.0	
	4/30/2015	$<$	2.0	
	5/4/2015	$<$	2.0	
	5/11/2015	$<$	2.0	
	5/18/2015		NF	
	5/26/2015	$<$	2.0	
	6/1/2015	$<$	2.0	
	6/8/2015	$<$	2.0	
	6/15/2015	$<$	2.0	
	6/22/2015	$<$	2.0	
	7/6/2015	$<$	2.0	
	7/13/2015	$<$	2.0	
	7/20/2015	$<$	2.0	
	7/27/2015	$<$	2.0	
	8/3/2015	$<$	2.0	
	8/11/2015	$<$	2.0	
	8/17/2015	$<$	2.0	
	8/25/2015	$<$	2.0	
	9/1/2015	$<$	2.0	
	9/8/2015	$<$	2.0	
	9/15/2015	$<$	2.0	
	9/23/2015	$<$	2.0	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: H-16 (continued)

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than (<)	Result	Unit
Biochemical Oxygen Demand	10/14/2015	<	2.0	MG/L
	10/26/2015	<	2.0	
	11/2/2015	<	2.0	
	11/9/2015	<	2.0	
	11/16/2015	<	2.0	
	11/30/2015		NF	
	12/1/2015	<	2.0	
	12/8/2015	<	2.0	
	12/22/2015	<	2.0	
Cadmium	1/7/2015	<	0.0001	MG/L
	1/12/2015	<	0.0001	
	1/20/2015	<	0.0001	
	1/26/2015	<	0.0001	
	2/2/2015	<	0.0001	
	2/9/2015		0.0001	
	2/17/2015	<	0.0001	
	2/23/2015	<	0.0001	
	3/2/2015	<	0.0001	
	3/9/2015		0.0002	
	3/16/2015	<	0.0001	
	3/23/2015	<	0.0001	
	4/1/2015	<	0.0001	
	4/13/2015	<	0.0001	
	4/20/2015		0.0001	
	4/30/2015	<	0.0001	
	5/4/2015	<	0.0001	
	5/11/2015	<	0.0001	
	5/18/2015		NF	
	5/26/2015		0.0002	
	6/1/2015	<	0.0001	
	6/8/2015	<	0.0001	
	6/15/2015	<	0.0001	
	6/22/2015	<	0.0001	
	7/6/2015	<	0.0001	
	7/13/2015	<	0.0001	
	7/20/2015	<	0.0001	
	7/27/2015	<	0.0001	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: H-16 (continued)

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Result	Unit
Cadmium	8/3/2015	$<$	0.0001	MG/L
	8/11/2015	$<$	0.0001	
	8/17/2015		0.0002	
	8/25/2015	$<$	0.0001	
	9/1/2015		0.0005	
	9/8/2015	$<$	0.0001	
	9/15/2015	$<$	0.0001	
	9/23/2015	$<$	0.0001	
	10/14/2015	$<$	0.0001	
	10/26/2015	$<$	0.0001	
	11/2/2015	$<$	0.0001	
	11/9/2015	$<$	0.0001	
	11/16/2015	$<$	0.0001	
	11/30/2015		NF	
	12/1/2015	$<$	0.0001	
	12/8/2015	$<$	0.0001	
	12/22/2015		0.0002	
Chromium	1/7/2015	$<$	0.0050	MG/L
	1/12/2015	$<$	0.0050	
	1/20/2015	$<$	0.0050	
	1/26/2015	$<$	0.0050	
	2/2/2015	$<$	0.0050	
	2/9/2015	$<$	0.0050	
	2/17/2015	$<$	0.0050	
	2/23/2015	$<$	0.0050	
	3/2/2015	$<$	0.0050	
	3/9/2015	$<$	0.0050	
	3/16/2015	$<$	0.0050	
	3/23/2015	$<$	0.0050	
	4/1/2015	$<$	0.0050	
	4/13/2015	$<$	0.0050	
	4/20/2015	$<$	0.0050	
	4/30/2015	$<$	0.0050	
	5/4/2015	$<$	0.0050	
	5/11/2015	$<$	0.0050	
	5/18/2015		NF	
	5/26/2015	$<$	0.0050	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: H-16 (continued)

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than (<)	Result	Unit
Chromium	6/1/2015	<	0.0050	MG/L
	6/8/2015	<	0.0050	
	6/15/2015	<	0.0050	
	6/22/2015	<	0.0050	
	7/6/2015	<	0.0050	
	7/13/2015	<	0.0050	
	7/20/2015	<	0.0050	
	7/27/2015	<	0.0050	
	8/3/2015	<	0.0050	
	8/11/2015	<	0.0050	
	8/17/2015	<	0.0050	
	8/25/2015	<	0.0050	
	9/1/2015	<	0.0050	
	9/8/2015	<	0.0050	
	9/15/2015	<	0.0050	
	9/23/2015	<	0.0050	
	10/14/2015	<	0.0050	
	10/26/2015	<	0.0050	
	11/2/2015	<	0.0050	
	11/9/2015	<	0.0050	
	11/16/2015	<	0.0050	
	11/30/2015		NF	
	12/1/2015	<	0.0050	
	12/8/2015	<	0.0050	
	12/22/2015	<	0.0050	
Copper	1/7/2015	<	0.0050	MG/L
	1/12/2015	<	0.0050	
	1/20/2015	<	0.0050	
	1/26/2015	<	0.0050	
	2/2/2015	<	0.0050	
	2/9/2015	<	0.0050	
	2/17/2015	<	0.0050	
	2/23/2015	<	0.0050	
	3/2/2015	<	0.0050	
	3/9/2015	<	0.0050	
	3/16/2015	<	0.0050	
	3/23/2015	<	0.0050	

**Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring
Data (continued)**

Outfall: H-16 (continued)

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Result	Unit
Copper	4/1/2015	$<$	0.0050	MG/L
	4/13/2015	$<$	0.0050	
	4/20/2015	$<$	0.0050	
	4/30/2015	$<$	0.0050	
	5/4/2015	$<$	0.0050	
	5/11/2015	$<$	0.0050	
	5/18/2015		NF	
	5/26/2015	$<$	0.0050	
	6/1/2015	$<$	0.0050	
	6/8/2015	$<$	0.0050	
	6/15/2015	$<$	0.0050	
	6/22/2015	$<$	0.0050	
	7/6/2015	$<$	0.0050	
	7/13/2015	$<$	0.0050	
	7/20/2015	$<$	0.0050	
	7/27/2015	$<$	0.0050	
	8/3/2015	$<$	0.0050	
	8/11/2015	$<$	0.0050	
	8/17/2015	$<$	0.0050	
	8/25/2015	$<$	0.0050	
	9/1/2015	$<$	0.0050	
	9/8/2015	$<$	0.0050	
	9/15/2015	$<$	0.0050	
	9/23/2015	$<$	0.0050	
	10/14/2015	$<$	0.0050	
	10/26/2015	$<$	0.0050	
	11/2/2015	$<$	0.0050	
	11/9/2015	$<$	0.0050	
	11/16/2015	$<$	0.0050	
	11/30/2015		NF	
	12/1/2015	$<$	0.0050	
	12/8/2015	$<$	0.0050	
	12/22/2015	$<$	0.0050	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: H-16 (continued)

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than (<)	Result	Unit
Lead	1/7/2015	<	0.0020	MG/L
	1/12/2015	<	0.0020	
	1/20/2015	<	0.0020	
	1/26/2015	<	0.0020	
	2/2/2015	<	0.0020	
	2/9/2015	<	0.0020	
	2/17/2015	<	0.0020	
	2/23/2015	<	0.0020	
	3/2/2015	<	0.0020	
	3/9/2015	<	0.0020	
	3/16/2015	<	0.0020	
	3/23/2015	<	0.0020	
	4/1/2015	<	0.0020	
	4/13/2015	<	0.0020	
	4/20/2015	<	0.0020	
	4/30/2015	<	0.0020	
	5/4/2015	<	0.0020	
	5/11/2015	<	0.0020	
	5/18/2015		NF	
	5/26/2015	<	0.0020	
	6/1/2015	<	0.0020	
	6/8/2015	<	0.0020	
	6/15/2015	<	0.0020	
	6/22/2015	<	0.0020	
	7/6/2015	<	0.0020	
	7/13/2015	<	0.0020	
	7/20/2015	<	0.0020	
	7/27/2015	<	0.0020	
	8/3/2015	<	0.0020	
	8/11/2015	<	0.0020	
	8/17/2015	<	0.0020	
	8/25/2015	<	0.0020	
	9/1/2015	<	0.0020	
	9/8/2015	<	0.0020	
	9/15/2015	<	0.0020	
	9/23/2015	<	0.0020	
	10/14/2015	<	0.0020	

**Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring
Data (continued)**

Outfall: H-16 (continued)

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Result	Unit
Lead	10/26/2015	$<$	0.0020	MG/L
	11/2/2015	$<$	0.0020	
	11/9/2015	$<$	0.0020	
	11/16/2015	$<$	0.0020	
	11/30/2015		NF	
	12/1/2015	$<$	0.0020	
	12/8/2015	$<$	0.0020	
	12/22/2015	$<$	0.0020	
Mercury	1/7/2015		0.00002702	MG/L
	1/12/2015	$<$	0.00002000	
	1/20/2015	$<$	0.00002000	
	1/26/2015	$<$	0.00002000	
	2/2/2015	$<$	0.00002000	
	2/9/2015	$<$	0.00002000	
	2/17/2015	$<$	0.00002000	
	2/23/2015	$<$	0.00002000	
	3/2/2015	$<$	0.00002000	
	3/9/2015	$<$	0.00002000	
	3/16/2015	$<$	0.00002000	
	3/23/2015	$<$	0.00002000	
	4/1/2015	$<$	0.00002000	
	4/13/2015	$<$	0.00002000	
	4/20/2015	$<$	0.00002000	
	4/30/2015	$<$	0.00002000	
	5/4/2015	$<$	0.00002000	
	5/11/2015	$<$	0.00002000	
	5/18/2015		NF	
	5/26/2015	$<$	0.00002000	
	6/1/2015	$<$	0.00002000	
	6/8/2015	$<$	0.00002000	
	6/15/2015	$<$	0.00002000	
	6/22/2015	$<$	0.00002000	
	7/6/2015	$<$	0.00002000	
	7/13/2015	$<$	0.00002000	
	7/20/2015	$<$	0.00002000	
	7/27/2015	$<$	0.00002000	
	8/3/2015	$<$	0.00002000	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: H-16 (continued)

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Result	Unit
Mercury	8/11/2015		0.00002440	MG/L
	8/17/2015	$<$	0.00002000	
	8/25/2015	$<$	0.00002000	
	9/1/2015	$<$	0.00002000	
	9/8/2015	$<$	0.00002000	
	9/15/2015	$<$	0.00002000	
	9/23/2015	$<$	0.00002000	
	10/14/2015	$<$	0.00002000	
	10/26/2015		0.00008570	
	11/2/2015	$<$	0.00002000	
	11/9/2015	$<$	0.00002000	
	11/16/2015	$<$	0.00002000	
	11/30/2015		NF	
	12/1/2015	$<$	0.00002000	
	12/8/2015		0.00002620	
	12/22/2015	$<$	0.00002000	
Nickel	1/7/2015	$<$	0.0100	MG/L
	1/12/2015	$<$	0.0100	
	1/20/2015	$<$	0.0100	
	1/26/2015	$<$	0.0100	
	2/2/2015	$<$	0.0100	
	2/9/2015	$<$	0.0100	
	2/17/2015	$<$	0.0100	
	2/23/2015	$<$	0.0100	
	3/2/2015	$<$	0.0100	
	3/9/2015	$<$	0.0100	
	3/16/2015	$<$	0.0100	
	3/23/2015	$<$	0.0100	
	4/1/2015	$<$	0.0100	
	4/13/2015	$<$	0.0100	
	4/20/2015	$<$	0.0100	
	4/30/2015	$<$	0.0100	
	5/4/2015	$<$	0.0100	
	5/11/2015	$<$	0.0100	
	5/18/2015		NF	
	5/26/2015	$<$	0.0100	
	6/1/2015	$<$	0.0100	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: H-16 (continued)

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Result	Unit
Nickel	6/8/2015	$<$	0.0100	MG/L
	6/15/2015	$<$	0.0100	
	6/22/2015	$<$	0.0100	
	7/6/2015	$<$	0.0100	
	7/13/2015	$<$	0.0100	
	7/20/2015	$<$	0.0100	
	7/27/2015	$<$	0.0100	
	8/3/2015	$<$	0.0100	
	8/11/2015	$<$	0.0100	
	8/17/2015	$<$	0.0100	
	8/25/2015	$<$	0.0100	
	9/1/2015	$<$	0.0100	
	9/8/2015	$<$	0.0100	
	9/15/2015	$<$	0.0100	
	9/23/2015	$<$	0.0100	
	10/14/2015	$<$	0.0100	
	10/26/2015	$<$	0.0100	
	11/2/2015	$<$	0.0100	
	11/9/2015	$<$	0.0100	
	11/16/2015	$<$	0.0100	
	11/30/2015		NF	
	12/1/2015	$<$	0.0100	
	12/8/2015	$<$	0.0100	
	12/22/2015	$<$	0.0100	
pH	1/7/2015		7.7	SU
	1/12/2015		6.6	
	1/20/2015		6.6	
	1/26/2015		7.7	
	2/2/2015		7.8	
	2/9/2015		7.4	
	2/17/2015		6.4	
	2/23/2015		7.0	
	3/2/2015		7.5	
	3/9/2015		7.6	
	3/16/2015		6.9	
	3/23/2015		7.0	
	4/1/2015		7.1	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: H-16 (continued)

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than (<)	Result	Unit
pH	4/13/2015		7.7	SU
	4/20/2015		6.5	
	4/30/2015		7.0	
	5/4/2015		6.9	
	5/11/2015		7.3	
	5/18/2015		NF	
	5/26/2015		7.2	
	6/1/2015		7.2	
	6/8/2015		6.6	
	6/15/2015		6.7	
	6/22/2015		7.4	
	7/6/2015		6.2	
	7/13/2015		6.8	
	7/20/2015		7.4	
	7/27/2015		7.3	
	8/3/2015		7.2	
	8/11/2015		7.1	
	8/17/2015		6.8	
	8/25/2015		7.1	
	9/1/2015		7.7	
	9/8/2015		7.9	
	9/15/2015		7.7	
	9/23/2015		7.8	
	10/14/2015		7.8	
	10/26/2015		7.9	
	11/2/2015		8.0	
	11/9/2015		7.1	
	11/16/2015		7.1	
	11/30/2015		NF	
	12/1/2015		7.9	
	12/8/2015		7.6	
	12/22/2015		6.9	

**Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring
Data (continued)**

Outfall: H-16 (continued)

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Result	Unit
Silver	1/7/2015	$<$	0.0050	MG/L
	1/12/2015	$<$	0.0050	
	1/20/2015	$<$	0.0050	
	1/26/2015	$<$	0.0050	
	2/2/2015	$<$	0.0050	
	2/9/2015	$<$	0.0050	
	2/17/2015	$<$	0.0050	
	2/23/2015	$<$	0.0050	
	3/2/2015	$<$	0.0050	
	3/9/2015	$<$	0.0050	
	3/16/2015	$<$	0.0050	
	3/23/2015	$<$	0.0050	
	4/1/2015	$<$	0.0050	
	4/13/2015	$<$	0.0050	
	4/20/2015	$<$	0.0050	
	4/30/2015	$<$	0.0050	
	5/4/2015	$<$	0.0050	
	5/11/2015	$<$	0.0050	
	5/18/2015		NF	
	5/26/2015	$<$	0.0050	
	6/1/2015	$<$	0.0050	
	6/8/2015	$<$	0.0050	
	6/15/2015	$<$	0.0050	
	6/22/2015	$<$	0.0050	
	7/6/2015	$<$	0.0050	
	7/13/2015	$<$	0.0050	
	7/20/2015	$<$	0.0050	
	7/27/2015	$<$	0.0050	
	8/3/2015	$<$	0.0050	
	8/11/2015	$<$	0.0050	
	8/17/2015	$<$	0.0050	
	8/25/2015	$<$	0.0050	
	9/1/2015	$<$	0.0050	
	9/8/2015	$<$	0.0050	
	9/15/2015	$<$	0.0050	
	9/23/2015	$<$	0.0050	
	10/14/2015	$<$	0.0050	

**Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring
Data (continued)**

Outfall: H-16 (continued)

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Result	Unit
Silver	10/26/2015	$<$	0.0050	MG/L
	11/2/2015	$<$	0.0050	
	11/9/2015	$<$	0.0050	
	11/16/2015	$<$	0.0050	
	11/30/2015		NF	
	12/1/2015	$<$	0.0050	
	12/8/2015	$<$	0.0050	
	12/22/2015	$<$	0.0050	
Total Suspended Solids	1/7/2015	$<$	1.0	MG/L
	1/12/2015	$<$	1.0	
	1/20/2015	$<$	1.0	
	1/26/2015	$<$	1.0	
	2/2/2015	$<$	1.0	
	2/9/2015	$<$	1.0	
	2/17/2015	$<$	1.0	
	2/23/2015	$<$	1.0	
	3/2/2015	$<$	1.0	
	3/9/2015	$<$	1.0	
	3/16/2015	$<$	1.0	
	3/23/2015	$<$	1.0	
	4/1/2015	$<$	1.0	
	4/13/2015	$<$	1.0	
	4/20/2015	$<$	1.0	
	4/30/2015	$<$	1.0	
	5/4/2015	$<$	1.0	
	5/11/2015	$<$	1.0	
	5/18/2015		NF	
	5/26/2015	$<$	1.0	
	6/1/2015	$<$	1.0	
	6/8/2015		2.0	
	6/15/2015	$<$	1.0	
	6/22/2015	$<$	1.0	
	7/6/2015	$<$	1.0	
	7/13/2015	$<$	1.0	
	7/20/2015	$<$	1.0	
	7/27/2015	$<$	1.0	
	8/3/2015	$<$	1.0	

**Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring
Data (continued)**

Outfall: H-16 (continued)

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Result	Unit
Total Suspended Solids	8/11/2015	$<$	1.0	MG/L
	8/17/2015	$<$	1.0	
	8/25/2015	$<$	1.0	
	9/1/2015	$<$	1.0	
	9/8/2015	$<$	1.0	
	9/15/2015	$<$	1.0	
	9/23/2015	$<$	1.0	
	10/14/2015	$<$	1.0	
	10/26/2015	$<$	1.0	
	11/2/2015	$<$	1.0	
	11/9/2015	$<$	1.0	
	11/16/2015	$<$	1.0	
	11/30/2015		NF	
	12/1/2015	$<$	1.0	
	12/8/2015	$<$	1.0	
	12/22/2015	$<$	1.0	
Zinc	1/7/2015	$<$	0.0100	MG/L
	1/12/2015	$<$	0.0100	
	1/20/2015	$<$	0.0100	
	1/26/2015	$<$	0.0100	
	2/2/2015	$<$	0.0100	
	2/9/2015	$<$	0.0100	
	2/17/2015	$<$	0.0100	
	2/23/2015	$<$	0.0100	
	3/2/2015	$<$	0.0100	
	3/9/2015	$<$	0.0100	
	3/16/2015		0.0107	
	3/23/2015	$<$	0.0100	
	4/1/2015	$<$	0.0100	
	4/13/2015	$<$	0.0100	
	4/20/2015	$<$	0.0100	
	4/30/2015	$<$	0.0100	
	5/4/2015	$<$	0.0100	
	5/11/2015	$<$	0.0100	
	5/18/2015		NF	
	5/26/2015	$<$	0.0100	
	6/1/2015	$<$	0.0100	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: H-16 (continued)

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than (<)	Result	Unit
Zinc	6/8/2015	<	0.0100	MG/L
	6/15/2015	<	0.0100	
	6/22/2015	<	0.0100	
	7/6/2015	<	0.0100	
	7/13/2015	<	0.0100	
	7/20/2015	<	0.0100	
	7/27/2015	<	0.0100	
	8/3/2015	<	0.0100	
	8/11/2015	<	0.0100	
	8/17/2015	<	0.0100	
	8/25/2015	<	0.0100	
	9/1/2015		0.0158	
	9/8/2015	<	0.0100	
	9/15/2015	<	0.0100	
	9/23/2015		0.0101	
	10/14/2015	<	0.0100	
	10/26/2015		0.0112	
	11/2/2015		0.0101	
	11/9/2015	<	0.0100	
	11/16/2015	<	0.0100	
	11/30/2015		NF	
	12/1/2015	<	0.0100	
	12/8/2015	<	0.0100	
	12/22/2015	<	0.0100	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: K-12

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Result	Unit
Biochemical Oxygen Demand	1/6/2015		2.44	MG/L
	2/3/2015		2.96	
	3/3/2015		2.66	
	4/7/2015		2.96	
	5/5/2015		4.34	
	6/2/2015	$<$	2.00	
	7/7/2015	$<$	2.00	
	8/4/2015		2.16	
	9/2/2015		2.11	
	10/6/2015	$<$	2.00	
	11/3/2015	$<$	2.00	
	12/8/2015	$<$	2.00	
Dissolved Oxygen	1/20/2015		5.41	MG/L
	2/18/2015		6.95	
	3/11/2015		2.25	
	4/21/2015		8.01	
	5/19/2015		8.43	
	6/11/2015		2.43	
	7/14/2015		6.96	
	8/17/2015		4.24	
	9/9/2015		3.04	
	10/13/2015		2.83	
	11/16/2015		5.36	
	12/16/2015		2.80	
Fecal Coliform	1/5/2015	$<$	2	COL/100ML
	2/2/2015	$<$	2	
	3/3/2015	$<$	2	
	4/6/2015		4	
	5/4/2015	$<$	2	
	6/1/2015	$<$	2	
	7/6/2015	$<$	2	
	8/3/2015	$<$	2	
	9/1/2015		8	
	10/5/2015	$<$	2	
	11/2/2015		7	
	12/7/2015	$<$	2	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: K-12 (continued)

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than (<)	Result	Unit
pH	1/20/2015		7.87	SU
	2/18/2015		7.45	
	3/11/2015		7.73	
	4/21/2015		7.86	
	5/19/2015		7.57	
	6/11/2015		7.47	
	7/14/2015		7.63	
	8/17/2015		7.73	
	9/9/2015		7.29	
	10/13/2015		7.63	
	11/16/2015		7.59	
	12/16/2015		7.66	
Total Suspended Solids	1/6/2015		6.5	MG/L
	2/3/2015		5.7	
	3/3/2015		4.5	
	4/7/2015		2.2	
	5/5/2015		6.5	
	6/2/2015		2.2	
	7/7/2015		1.9	
	8/4/2015		2.6	
	9/2/2015		3.0	
	10/6/2015		1.4	
	11/3/2015		1.2	
	12/8/2015		2.5	

Outfall: K-18

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than (<)	Result	Unit
pH	2/11/2015		7.2	SU
	4/27/2015		6.5	
	8/17/2015		6.9	
	10/20/2015		7.3	
Total Suspended Solids	2/12/2015		2.0	MG/L
	4/28/2015		1.0	
	8/18/2015		1.0	
	10/20/2015		1.0	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: L-7A

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Result	Unit
Biochemical Oxygen Demand	1/6/2015	$<$	2.0	MG/L
	2/10/2015	$<$	2.0	
	3/3/2015	$<$	2.0	
	4/7/2015	$<$	2.0	
	5/5/2015	$<$	2.0	
	6/2/2015	$<$	2.0	
	7/8/2015	$<$	2.0	
	8/4/2015	$<$	2.0	
	9/2/2015	$<$	2.0	
	10/6/2015		2.74	
	11/3/2015	$<$	2.0	
	12/8/2015	$<$	2.0	
Dissolved Oxygen	1/20/2015		4.72	MG/L
	2/18/2015		5.66	
	3/11/2015		4.71	
	4/21/2015		6.89	
	5/19/2015		7.12	
	6/11/2015		5.50	
	7/14/2015		6.43	
	8/17/2015		5.20	
	9/9/2015		4.99	
	10/13/2015		5.07	
	11/16/2015		9.07	
	12/16/2015		4.50	
Fecal Coliform	1/5/2015	$<$	2	COL/100ML
	2/2/2015	$<$	2	
	3/3/2015	$<$	2	
	4/6/2015	$<$	2	
	5/4/2015		2	
	6/1/2015	$<$	2	
	7/6/2015	$<$	2	
	8/3/2015		2	
	9/1/2015	$<$	2	
	10/5/2015		33	
	11/2/2015	$<$	2	
	12/7/2015	$<$	2	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: L-7A (continued)

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than (<)	Result	Unit
pH	1/20/2015		7.86	SU
	2/18/2015		7.11	
	3/11/2015		8.10	
	4/21/2015		7.53	
	5/19/2015		7.68	
	6/11/2015		7.60	
	7/14/2015		7.58	
	8/17/2015		7.48	
	9/9/2015		7.77	
	10/13/2015		7.85	
	11/16/2015		7.76	
	12/16/2015		7.92	
Total Suspended Solids	1/6/2015		4.6	MG/L
	2/10/2015		7.0	
	3/3/2015		9.3	
	4/7/2015		1.9	
	5/5/2015		5.6	
	6/2/2015		2.5	
	7/8/2015		6.1	
	8/4/2015		3.5	
	9/2/2015		6.3	
	10/6/2015		19.2	
	11/3/2015		11.2	
	12/8/2015		6.8	

Table 5 National Pollutant Discharge Elimination System Industrial Wastewater Chemical Monitoring Data (continued)

Outfall: M-05

Parameter	Collection Date (Grab or 24-Hrs Composite)	Less Than ($<$)	Result	Unit
Tetrachloroethylene	1/6/2015	$<$	2	mG/L
	2/4/2015	$<$	2	
	3/10/2015	$<$	2	
	4/8/2015	$<$	2	
	5/4/2015	$<$	2	
	6/2/2015	$<$	2	
	7/21/2015	$<$	2	
	8/5/2015	$<$	2	
	9/8/2015	$<$	2	
	10/14/2015	$<$	2	
	11/10/2015	$<$	2	
	12/1/2015	$<$	2	
Trichloroethylene	1/6/2015	$<$	2	mG/L
	2/4/2015	$<$	2	
	3/10/2015	$<$	2	
	4/8/2015	$<$	2	
	5/4/2015	$<$	2	
	6/2/2015	$<$	2	
	7/21/2015	$<$	2	
	8/5/2015	$<$	2	
	9/8/2015	$<$	2	
	10/14/2015	$<$	2	
	11/10/2015	$<$	2	
	12/1/2015	$<$	2	

Industrial Stormwater Monitoring

Sampling is performed to collect Benchmark Samples, Impaired Water Samples, and Effluent Samples. Also Visual Inspections are performed as part of the industrial stormwater monitoring efforts. The results of the sampling and inspections are presented in Tables 6 and 7. In 2015 no impaired water samples or effluent sampling from industrial stormwater locations were collected.

Table 6 National Pollutant Discharge Elimination System Industrial Stormwater Benchmark Monitoring Data

Outfalls G-10A and Z-01 are no discharge outfalls from basins. In the unlikely event of a discharge, sampling is performed. In 2015 there were no discharges from either G-10A or Z-01 outfalls.

Outfall N-02	Sample Date	7/29/2015	8/18/2015	9/10/2015	9/24/2015	12/2/2015	12/17/2015
Analyte	Units	Results					
Zn	mg/L	0.1330	0.0555	0.0303	0.0241	0.0809	0.0780

Outfall N-12A	Sample Date	3/19/2015	6/8/2015	8/18/2015	10/10/2015	11/18/2015	12/2/2015	12/17/2015	12/22/2015
Analyte	Units	Results							
Cu	mg/L	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Zn	mg/L	0.0366	0.0081	0.0369	Zinc 4 quarter average passed effective 6/8/15				

Table 7 National Pollutant Discharge Elimination System Industrial Stormwater Visual Monitoring Data

Substantially identical outfalls (i.e., identical effluents) are grouped together below. One outfall in each group is designated each April to represent the group and is sampled quarterly each year. Some outfalls (e.g., A-14) do not share similar effluent characteristics to any other outfall and are sampled individually.

Outfall	Sample Date						
	1Q15		2Q15	3Q15		4Q15	
A-08	N/A	N/A	4/14/2015	8/7/2015	N/A	11/18/2015	N/A
L-13	1/23/2015	N/A	N/A	N/A	N/A	N/A	N/A
A-14	1/22/2015	N/A	4/14/2015	8/7/2015	N/A	11/18/2015	N/A
B-10	1/22/2015	N/A	4/14/2015	8/7/2015	N/A	11/18/2015	N/A
E-01 ²	N/A	N/A	6/27/2015	7/2/2015	N/A	10/26/2015	N/A
E-02 ²	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E-03 ²	N/A	N/A	N/A	N/A	N/A	11/18/2015	N/A
E-04 ²	1/12/2015	2/2/2015	N/A	N/A	N/A	N/A	N/A
E-06	1/12/2015	2/24/2015	6/2/2015	7/2/2015	N/A	10/28/2015	N/A
G-10A ¹	N/A	N/A	N/A	N/A	N/A	N/A	N/A
G-21	1/11/2015	N/A	4/12/2015	7/29/2015	N/A	10/10/2015	N/A
H-04B	1/12/2015	N/A	6/2/2015	7/2/2015	N/A	11/2/2015	N/A
H-05	N/A	N/A	6/18/2015	N/A	N/A	10/4/2015	11/18/2015
H-06	1/23/2015	N/A	N/A	N/A	N/A	N/A	N/A
H-07C	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H-06A	N/A	N/A	6/18/2015	8/6/2015	9/24/2015	11/18/2015	12/22/2015
H-07A	1/12/2015	N/A	4/13/2015	7/18/2015	N/A	10/11/2015	N/A
H-07B ¹	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H-08	1/23/2015	N/A	4/14/2015	9/25/2015	N/A	11/18/2015	N/A
K-02	1/12/2015	N/A	4/29/2015	8/17/2015	N/A	11/3/2015	N/A
N-02	1/25/2015	N/A	6/1/2015	7/19/2015	N/A	12/2/2015	N/A
C-08 ³	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F-10	1/23/2015	N/A	N/A	N/A	N/A	N/A	N/A
FT-3 ³	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N-05	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N-14	N/A	N/A	N/A	N/A	N/A	12/2/2015	N/A

Sample Date							
Outfall	1Q15		2Q15	3Q15		4Q15	
N-16	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H-02A	1/12/2015	N/A	N/A	N/A	N/A	N/A	N/A
N-06	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N-12	N/A	N/A	6/1/2015	7/19/2015	N/A	12/2/2015	N/A
N-12A	1/25/2015	N/A	6/1/2015	8/18/2015	N/A	10/3/2015	N/A
N-13A	1/12/2015	N/A	4/13/2015	7/8/2015	N/A	11/18/2015	N/A
N-15	1/25/2015	N/A	5/12/2015	7/19/2015	N/A	11/3/2015	N/A
Y-01	1/12/2015	N/A	N/A	N/A	N/A	N/A	N/A
Y-03	N/A	N/A	6/2/2015	8/21/2015	N/A	12/3/2015	N/A
Y-04	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Z-01 ¹	N/A	N/A	N/A	N/A	N/A	N/A	N/A

- 1 Outfalls G-10A, H-07B and Z-01 are no discharge outfalls from basins. In the unlikely event of a discharge, sampling is performed.
- 2 Effective 10-8-15: Substantially identical outfalls E-01 through E-04 split into two groups, E-01 & E-02 and E-03 & E-04.
- 3 Effective 10-8-15: FT-3 and C-08 reduced to administrative status. These areas have no defined discharge point or conveyance to reach waters of the state.

River and Stream Water Quality Surveillance

SRS samples 10 SRS stream and five Savannah River locations for various physical and chemical properties to identify any degradation that could be attributed to the water discharges regulated by Site NPDES permits and materials that may be released inadvertently from sources other than routine release points. Table 8 presents the analyzed surface water inorganic parameters. Samples are also collected for pesticides, herbicides, and PCBs at all locations four times per year (once per quarter). The list of analytes is the following: aldrin, alphas-BHC, beta-BHC, Delta, BHC, and gamma-BHC (Lindane), chlordane, Aroclor 1016, Aroclor 1221, Aroclor 1232, Aroclor 1242, Aroclor 1248, Aroclor 1254, Aroclor 1260, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, dieldrin, endosulfan I, Endosulfan II, Endosulfan sulfate, endrin, endrin aldehyde, heptachlor, heptachlor epoxide, toxaphere, 2,4-D, and 2,4,5-TP (Silvex). The analytical results at all locations for calendar year 2015 were below the detection limits. Thus, no table is provided for the pesticides, herbicides, and PCBs.

Table 8 SRS Stream and Savannah River Surface Water Inorganic Results
Location: FMC-2

		Collection Date																												
Parameter	Unit		01/2015		02/2015		03/2015		04/2015		05/2015		06/2015		07/2015		08/2015		09/2015		10/2015		11/2015		12/2015	MAX	MIN		Average	#>LLD
Dissolved Oxygen	mg/L		9.28		8.37		8.00		4.82		2.75		2.19		1.20	Not recorded			3.42		5.05		6.13		6.94	9.28	1.20		5.29	12
pH	SU		5.86		6.05		5.85		5.37		5.75		4.85		6.24		7.35		6.80		5.90		5.75		5.72	7.35	4.85		5.96	12
Temperature	° C		9.1		13.4		14.3		20.5		22.0		24.4		25.9		25.0		22.5		18.6		14.7		14.0	25.9	9.1		18.7	12
Hardness (total)	mg/L	<	1	<	1	<	1	<	1	<	1	<	1		11		13	<	1	<	1	<	1	<	1	13	< 1		3	2
Nitrate-Nitrogen	mg/L		0.027	<	0.001		0.320	<	0.001	<	0.001		0.042		0.024		0.061		0.120		0.170	<	0.001		0.450	0.210	< 0.001		0.102	8
Nitrite-Nitrogen	mg/L	<	0.003	<	0.003	<	0.003		0.022	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	0.022	< 0.003		0.005	1
Phosphorus	mg/L		0.034		0.020		0.012		0.057		0.100		0.032		0.095		0.039		0.110		0.170		0.089		0.040	0.170	0.012		0.067	12
Total Organic Carbon	mg/L		4.2		4.3		4.3		9.6		9.5		12.0		10.0		8.8		6.2		7.4		10.0		7.9	12.0	4.2		7.9	12
Aluminum	mg/L		0.2310		0.1590		0.1190		0.2060		0.1800		0.1340		0.0969	<	0.0200		0.2450		0.3440		0.0843		0.3300	0.3440	0.0200		0.1791	11
Beryllium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	< 0.0005	< 0.0005	<	0.0005	0
Cadmium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	< 0.0005	< 0.0005	<	0.0005	0
Chromium	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	< 0.0010	< 0.0010	<	0.0010	0
Copper	mg/L	<	0.0010		0.0012	<	0.0010	<	0.0010		0.0014		0.0018		0.0024		0.0015		0.0024		0.0024	<	0.0010		0.0041	0.0041	< 0.0010		0.0018	8
Iron	mg/L		0.8640		0.6940		0.9180		4.5300		4.2000		6.0100		5.5000		3.5800		1.7500		1.0500		1.8800		1.2300	6.0100	0.6940		2.6838	12
Lead	mg/L	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	< 0.0050	< 0.0050	<	0.0050	0
Mercury	µg/L	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000		0.02420	0.02420	< 0.02000		0.02035	1
Manganese	mg/L		0.0547		0.0388		0.0501		0.2800		0.5620		0.5710		0.4660		0.2830		0.0863		0.0310		0.0651		0.0593	0.5710	0.0310		0.2123	12
Nickel	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	< 0.0010	< 0.0010	<	0.0010	0
Thallium	mg/L	<	0.0100	<	0.0100	<	0.0100	<	0.0100		0.0135	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	0.0135	< 0.0100		0.0103	1
Zinc	mg/L		0.0124		0.0116		0.0101		0.0100		0.0133		0.0482		0.0312		0.0226		0.0219		0.0386		0.0278		0.0415	0.0482	0.0100		0.0241	12
Total Suspended Solids	mg/L		6		3		2		17		2.75		21		15		6		4		1		3		5	21	1		8	12

Table 8 SRS Stream and Savannah River Surface Water Inorganic Results (continued)

Location: FM-2B

Parameter	Unit	01/2015	02/2015	03/2015	04/2015	05/2015	06/2015	07/2015	08/2015	09/2015	10/2015	11/2015	12/2015	MAX	MIN	Average	#>LLD
Dissolved Oxygen	mg/L	9.32	8.38	7.90	6.43	5.69	5.64	4.97	5.10	5.78	6.79	7.72	7.77	9.32	4.97	6.79	12
pH	SU	5.57	6.43	6.00	5.64	6.21	5.77	5.70	6.23	6.60	4.46	6.20	5.58	6.60	4.46	5.87	12
Temperature	° C	9.4	13.2	14.0	20.5	21.7	23.3	24.7	23.6	20.7	16.8	14.6	13.7	24.7	9.4	18.0	12
Hardness (total)	mg/L	< 1	11	11	10	15	18	27	27	20	< 1	< 1	11	27	< 1	13	9
Nitrate-Nitrogen	mg/L	0.043	0.048	0.100	< 0.001	0.052	0.061	0.077	0.073	0.058	0.046	< 0.001	0.210	0.210	< 0.001	0.064	10
Nitrite-Nitrogen	mg/L	< 0.003	< 0.003	< 0.003	0.020	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	0.020	< 0.003	0.005	1
Phosphorus	mg/L	0.024	0.023	0.019	0.052	0.092	0.038	0.025	0.098	0.062	0.017	0.099	0.051	0.099	0.017	0.050	12
Total Organic Carbon	mg/L	4.4	4.8	5.6	8.0	6.9	7.7	8.9	11.0	4.6	7.7	9.4	6.2	11.0	4.4	7.1	12
Aluminum	mg/L	0.3490	0.2060	0.2600	0.2290	0.7860	0.0787	0.0410	0.2680	0.0562	0.0807	0.1660	0.0998	0.7860	0.0410	0.2184	12
Beryllium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0
Cadmium	mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.0006	0.0006	< 0.0005	0.0005	1
Chromium	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0014	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0014	< 0.0010	0.0010	1
Copper	mg/L	< 0.0010	0.0018	0.0013	0.0012	0.0037	< 0.0010	< 0.0010	< 0.0010	0.0021	< 0.0010	0.0016	< 0.0010	0.0037	< 0.0010	0.0015	6
Iron	mg/L	0.7390	0.9540	1.2400	2.8200	5.6000	2.3500	3.7400	17.7000	2.1900	1.0500	1.3300	1.1100	17.7000	0.7390	3.4019	12
Lead	mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0053	0.0053	< 0.0050	0.0050	1
Mercury	µg/L	< 0.02000	< 0.02000	< 0.02000	< 0.02000	0.02340	< 0.02000	< 0.02000	< 0.02000	< 0.02000	< 0.02000	< 0.02000	< 0.02000	0.02340	< 0.02000	0.02028	1
Manganese	mg/L	0.0169	0.0328	0.0355	0.0553	0.4100	0.1490	1.0700	1.5400	0.2720	0.0527	0.0291	0.0540	1.5400	0.0169	0.3098	12
Nickel	mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0
Thallium	mg/L	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	0
Zinc	mg/L	0.0162	0.0179	0.0225	0.0142	0.0293	0.0089	0.0097	0.0210	0.0139	0.0180	0.0229	0.0326	0.0326	0.0089	0.0189	12
Total Suspended Solids	mg/L	3	3	3	11	66	8	6	67	5	1	5	6	67	1	15	12

Table 8 SRS Stream and Savannah River Surface Water Inorganic Results (continued)

Location: FM-6

		Collection Date																														
Parameter	Unit		01/2015		02/2015		03/2015		04/2015		05/2015		06/2015		07/2015		08/2015		09/2015		10/2015		11/2015		12/2015		MAX		MIN		Average	#>LLD
Dissolved Oxygen	mg/L		9.96		9.79		9.39		7.10		8.17		7.73		7.63		7.81		8.33		8.41		8.68		9.51		9.96		7.10		8.54	12
pH	SU		6.35		6.13		6.19		5.48		6.63		6.14		5.85		7.10		6.81		6.43		6.21		6.70		7.10		5.48		6.34	12
Temperature	° C		9.2		15.9		18.0		20.1		24.6		-		25.3		23.9		21.4		18.0		14.8		15.0		25.3		9.2		18.7	12
Hardness (total)	mg/L	<	1		12		12	<	1		11		13		12		13		12	<	1	<	1	<	1		13		1		8	7
Nitrate-Nitrogen	mg/L		0.310		0.580		0.630		0.090		0.250		0.320		0.110		0.100		0.078		0.400		0.190		0.570		0.630		0.078		0.302	12
Nitrite-Nitrogen	mg/L	<	0.003	<	0.003	<	0.003		0.027	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003		0.027	<	0.003		0.005	1
Phosphorus	mg/L		0.086		0.080		0.100		0.130		0.120		0.240		0.100		0.110		0.073		0.076		0.100		0.210		0.240		0.073		0.119	12
Total Organic Carbon	mg/L		5.0		4.0		4.1		9.0		4.5		6.0		4.8		3.5		2.7		7.5		9.0		4.9		9.0		2.7		5.4	12
Aluminum	mg/L		0.7130		0.1060		0.1580		0.5390		0.1500		0.1680		0.0664	<	0.0200		0.0633		0.1660		0.1300		0.1480		0.7130	<	0.0200		0.2023	11
Beryllium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	0
Cadmium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	0
Chromium	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	0
Copper	mg/L		0.0012		0.0013		0.0018		0.0017		0.0010		0.0016	<	0.0010		0.0010	<	0.0010	<	0.0010		0.0018	<	0.0010		0.0018	<	0.0010		0.0013	8
Iron	mg/L		0.9920		0.8120		0.8790		1.6600		1.2200		1.1800		0.9470		0.9350		0.4900		0.9330		1.2300		1.0700		1.6600		0.4900		1.0290	12
Lead	mg/L	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050		0.0059		0.0059	<	0.0050		0.0051	1
Mercury	µg/L	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	0
Manganese	mg/L		0.0455		0.0430		0.0476		0.1020		0.0587		0.0966		0.0601		0.0887		0.0395		0.0471		0.0470		0.0526		0.1020		0.0395		0.0607	12
Nickel	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	0
Thallium	mg/L	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	0
Zinc	mg/L		0.0149	<	0.0010		0.0150		0.0170		0.0072		0.0168		0.0079		0.0178		0.0165		0.0159		0.0229		0.0328		0.0328	<	0.0010		0.0155	11
Total Suspended Solids	mg/L		6		5		3		13		6		11		4		5		2		2		6		7		13		2		6	12

The yellow highlighted value indicates the estimated laboratory quality control is outside limits.

Table 8 SRS Stream and Savannah River Surface Water Inorganic Results (continued)

Location: L3R-2

		Collection Date																														
Parameter	Unit		01/2015		02/2015		03/2015		04/2015		05/2015		06/2015		07/2015		08/2015		09/2015		10/2015		11/2015		12/2015		MAX		MIN		Average	#>LLD
Dissolved Oxygen	mg/L		8.52		9.63		9.21		7.05		7.60		7.58		7.66		8.06		8.02		7.62		7.83		8.81		9.63		7.05		8.13	12
pH	SU		6.50		6.13		6.44		6.25		6.84		6.61		6.35		7.33		7.26		7.01		6.76		7.10		7.33		6.13		6.72	12
Temperature	° C		12.3		13.8		15.0		20.9		25.5		22.9		24.9		22.4		21.1		19.4		15.7		16.0		25.5		12.3		19.2	12
Hardness (total)	mg/L		34		34		32		33		38		44		47		47		52	<	1		27		15		52	<	1		34	11
Nitrate-Nitrogen	mg/L	<	0.001	<	0.001	<	0.001		0.030		0.023	<	0.001		0.024		0.056		0.023		0.040		0.020		0.140		0.140	<	0.001		0.030	8
Nitrite-Nitrogen	mg/L	<	0.003	<	0.003	<	0.003		0.027	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003		0.027	<	0.003		0.005	1
Phosphorus	mg/L		0.024		0.210		0.030		0.018		0.054		0.041		0.037		0.038		0.046		0.024		0.071		0.120		0.210		0.018		0.059	12
Total Organic Carbon	mg/L		7.0		6.7		4.0		9.5		3.1		4.1		3.7		2.7		2.8		7.6		12.0		5.7		12.0		2.7		5.7	12
Aluminum	mg/L		0.1460		0.1320		0.0387		0.1770		0.2510		0.1110		0.0455	<	0.0200		0.0269		0.0626		0.1160		0.1220		0.2510	<	0.0200		0.1041	11
Beryllium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	0
Cadmium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005		0.0005		0.0007		0.0007	<	0.0005		0.0005	1
Chromium	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010		0.0011	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010		0.0012	<	0.0010		0.0012	<	0.0010		0.0010	2
Copper	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010		0.0016	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010		0.0010	1
Iron	mg/L		0.3320		0.3780		0.3000		0.9380		0.9190		0.6220		0.4460		0.5110		0.7390		0.4640		0.5750		0.7600		0.9380		0.3000		0.5820	12
Lead	mg/L	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	0
Mercury	µg/L	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	0
Manganese	mg/L		0.0235		0.0361		0.0388		0.1130		0.1560		0.0986		0.0736		0.0635		0.0697		0.0480		0.0323		0.1190		0.1560		0.0235		0.0727	12
Nickel	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	0
Thallium	mg/L	<	0.0100	<	0.0100	<	0.0100		0.0106	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100		0.0106	<	0.0100		0.0101	1
Zinc	mg/L	<	0.0010		0.0109		0.0122		0.0164		0.0184		0.0320		0.0095		0.0256		0.0107		0.0274		0.0212		0.0377		0.0377	<	0.0010		0.0186	11
Total Suspended Solids	mg/L		1		4		1		4		14		8		5		4		4		1		4		8		14		1		5	12

Table 8 SRS Stream and Savannah River Surface Water Inorganic Results (continued)

Location: PB-3

		Collection Date																														
Parameter	Unit		01/2015		02/2015		03/2015		04/2015		05/2015		06/2015		07/2015		08/2015		09/2015		10/2015		11/2015		12/2015		MAX		MIN		Average	#>LLD
Dissolved Oxygen	mg/L		9.92		9.93		9.46		7.96		8.35		7.90		7.91		8.02		8.37		8.64		8.97		9.77		9.93		7.90		8.77	12
pH	SU		5.78		6.01		6.23		5.72		6.71		6.53		5.81		7.00		7.02		6.76		6.34		7.00		7.02		5.72		6.41	12
Temperature	° C		9.7		16.1		18.2		20.3		25.1		24.4		25.3		24.2		21.7		18.2		15.4		15.0		25.3		9.7		19.5	12
Hardness (total)	mg/L		18		21		23		18		27		27		28		28		24	<	1	<	1	<	1		28	<	1		18	9
Nitrate-Nitrogen	mg/L		0.074		0.049		0.210	<	0.001		0.061		0.074		0.054		0.071		0.038		0.400		0.110		0.170		0.400	<	0.001		0.109	11
Nitrite-Nitrogen	mg/L	<	0.003	<	0.003	<	0.003		0.023	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003		0.023	<	0.003		0.005	1
Phosphorus	mg/L		0.040		0.032		0.041		0.120		0.046		0.057		0.040		0.034		0.031		0.034		0.078		0.100		0.120		0.031		0.054	12
Total Organic Carbon	mg/L		9.0		8.2		6.3		14.0		3.8		5.2		4.1		2.9		2.9		8.5		14.0		6.8		14.0		2.9		7.1	12
Aluminum	mg/L		0.3950		0.4000		0.2980		0.5390		0.2070		0.1180		0.1620	<	0.0200		0.0718		0.1750		0.3870		0.1750		0.5390	<	0.0200		0.2457	11
Beryllium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	0
Cadmium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005		0.0006		0.0006	<	0.0005		0.0005	1
Chromium	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010		0.0018	<	0.0010		0.0018	<	0.0010		0.0011	1
Copper	mg/L	<	0.0010	<	0.0010	<	0.0010		0.0016	<	0.0010	<	0.0010	<	0.0010	<	0.0010		0.0016	<	0.0010		0.0026	<	0.0010		0.0026	<	0.0010		0.0012	3
Iron	mg/L		0.8910		0.7100		0.7240		2.1700		0.9860		0.7880		0.7560		0.5550		0.5460		0.8200		1.1100		0.9820		2.1700		0.5460		0.9198	12
Lead	mg/L	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	0
Mercury	µg/L	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	0
Manganese	mg/L		0.0668		0.0660		0.0662		0.1340		0.0630		0.0459		0.0598		0.0331		0.0388		0.0535		0.0760		0.0614		0.1340		0.0331		0.0637	12
Nickel	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	0
Thallium	mg/L	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100		0.0169	<	0.0100	<	0.0100	<	0.0100		0.0169	<	0.0100		0.0106	1
Zinc	mg/L		0.0111	<	0.0010		0.0295		0.0162		0.0051		0.0051		0.0702		0.0198		0.0295		0.0294		0.0322		0.0254		0.0702	<	0.0010		0.0229	11
Total Suspended Solids	mg/L		10		7		6		20		7		6		6		3		4		3		13		5		20		3		8	12

Table 8 SRS Stream and Savannah River Surface Water Inorganic Results (continued)

Location: RM-118.8

		Collection Date																														
Parameter	Unit		01/2015		02/2015		03/2015		04/2015		05/2015		06/2015		07/2015		08/2015		09/2015		10/2015		11/2015		12/2015		MAX		MIN		Average	#>LLD
Dissolved Oxygen	mg/L		10.56		9.83		8.51		7.19		7.84		6.15		7.26		7.33		7.14		7.53		7.95		7.65		10.56		6.15		7.91	12
pH	SU		6.73		6.92		6.43		6.56		6.28		6.92		6.98		6.31		6.58		6.50		6.45		6.45		6.98		6.28		6.59	12
Temperature	° C		10.3		11.3		14.2		20.5		22.3		25.0		25.8		24.8		24.1		22.3		17.0		17.0		25.8		10.3		19.6	12
Hardness (total)	mg/L		21		21		19		19		20		20		19		17		15	<	1		18	<	1		21	<	1		16	10
Nitrate-Nitrogen	mg/L		0.160		0.035		0.150		0.150		0.160		0.180		0.140		0.140		0.140		0.250		0.078		0.140		0.250		0.035		0.144	12
Nitrite-Nitrogen	mg/L	<	0.003	<	0.003	<	0.003		0.023	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003		0.023	<	0.003		0.005	1
Phosphorus	mg/L		0.091		0.086		0.087		0.160		0.080		0.170		0.100		0.091		0.100		0.100		0.100		0.047		0.170		0.047		0.101	12
Total Organic Carbon	mg/L		3.6		4.4		3.4		3.4		2.7		7.4		4.0		2.9		2.9		5.3		5.0		4.9		7.4		2.7		4.2	12
Aluminum	mg/L		0.2780		0.2310		0.3230		0.2460		0.3240		0.5890		0.1980	<	0.0200		0.1510		0.5180		0.2860		0.1960		0.5890	<	0.0200		0.2800	11
Beryllium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	0
Cadmium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	0
Chromium	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010		0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010		0.0010	<	0.0010		0.0010	1
Copper	mg/L	<	0.0010		0.0023	<	0.0010		0.0012		0.0012		0.0020		0.0018	<	0.0010		0.0016		0.0013		0.0018	<	0.0010		0.0023	<	0.0010		0.0014	8
Iron	mg/L		0.6340		0.4960		0.5700		1.6000		0.6540		1.1500		0.3740		0.2660		0.3670		0.9370		0.6840		0.5470		1.6000		0.2660		0.6899	12
Lead	mg/L	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050		0.0070		0.0070	<	0.0050		0.0052	1
Mercury	µg/L	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	0
Manganese	mg/L		0.0746		0.0661		0.0646		0.1350		0.0875		0.1440		0.0663		0.0543		0.0720		0.1690		0.1530		0.0573		0.1690		0.0543		0.0953	12
Nickel	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	0
Thallium	mg/L	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	0
Zinc	mg/L	<	0.0010	<	0.0010	<	0.0010		0.0083		0.0027		0.0056		0.0104	<	0.0010	<	0.0010	<	0.0010		0.0109	<	0.0010		0.0109	<	0.0010		0.0037	5
Total Suspended Solids	mg/L		5		7		6		9		12		25		7		8		9		18		13		3		25		3		10	12

Table 8 SRS Stream and Savannah River Surface Water Inorganic Results (continued)

Location: RM-129.1

		Collection Date																														
Parameter	Unit		01/2015		02/2015		03/2015		04/2015		05/2015		06/2015		07/2015		08/2015		09/2015		10/2015		11/2015		12/2015		MAX		MIN		Average	#>LLD
Dissolved Oxygen	mg/L		9.80		8.75		8.65		6.50		6.96		6.39		6.79		7.31		7.17		7.65		8.32		8.00		9.80		6.39		7.69	12
pH	SU		6.81		6.54		6.55		6.28		6.32		6.98		6.87		6.31		6.51		6.58		6.32		6.40		6.98		6.28		6.54	12
Temperature	° C		9.4		11.8		15.0		20.8		22.2		24.1		25.5		24.6		23.9		21.0		17.0		16.0		25.5		9.4		19.3	12
Hardness (total)	mg/L		35		35		18		37		34		34		41		33		24		16		16	<	1		41	<	1		27	11
Nitrate-Nitrogen	mg/L		0.024		0.040		0.250		0.036		0.078		0.079		0.630		0.099		0.120		0.170		0.058		0.160		0.630		0.024		0.145	12
Nitrite-Nitrogen	mg/L	<	0.003	<	0.003	<	0.003		0.022	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003		0.022	<	0.003		0.005	1
Phosphorus	mg/L		0.033		0.037		0.100		0.088		0.063		0.083		0.041		0.054		0.084		0.087		0.130		0.110		0.130		0.033		0.076	12
Total Organic Carbon	mg/L		7.2		6.7		2.9		8.1		4.6		7.7		5.1		3.7		6.4		5.6		4.3		4.4		8.1		2.9		5.6	12
Aluminum	mg/L		0.1610		0.1710		0.2570		0.2080		0.1320		2.2000		0.0675	<	0.0200		0.1210		0.4820		0.2900		0.1920		2.2000	<	0.0200		0.3585	11
Beryllium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	0
Cadmium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	0
Chromium	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010		0.0010		0.0057	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010		0.0057	<	0.0010		0.0014	1
Copper	mg/L	<	0.0010		0.0013	<	0.0010	<	0.0010		0.0010		0.0036	<	0.0010	<	0.0010		0.0016		0.0023	<	0.0010	<	0.0010		0.0036	<	0.0010		0.0014	4
Iron	mg/L		0.5410		0.7060		0.5270		0.7490		0.8660		4.8600		0.6000		0.4630		0.3750		0.9370		0.7160		0.6300		4.8600		0.3750		0.9975	12
Lead	mg/L	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	0
Mercury	µg/L	<	0.02000	<	0.02000	<	0.02000	<	0.02000		0.02000	<	0.02880	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000		0.02880	<	0.02000		0.02073	1
Manganese	mg/L		0.0192		0.2170		0.0690		0.0866		0.0572		1.0000		0.0462		0.0526		0.0683		0.1390		0.1770		0.0760		1.0000		0.0192		0.1673	12
Nickel	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010		0.0010		0.0015	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010		0.0015	<	0.0010		0.0010	1
Thallium	mg/L	<	0.0100	<	0.0100	<	0.0100	<	0.0100		0.0104	<	0.0100		0.0145	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100		0.0145	<	0.0100		0.0104	2
Zinc	mg/L	<	0.0010	<	0.0010	<	0.0010		0.0025		0.0108		0.0233		0.0080	<	0.0010	<	0.0010		0.0116		0.0115	<	0.0010		0.0233	<	0.0010		0.0061	6
Total Suspended Solids	mg/L		3		5		6		18		3		56		3		7		7		12		17		5		56		3		12	12

Table 8 SRS Stream and Savannah River Surface Water Inorganic Results (continued)

Location: RM-141.5

		Collection Date																														
Parameter	Unit		01/2015		02/2015		03/2015		04/2015		05/2015		06/2015		07/2015		08/2015		09/2015		10/2015		11/2015		12/2015		MAX		MIN		Average	#>LLD
Dissolved Oxygen	mg/L		10.50		9.70		8.58		7.30		8.04		6.52		7.19		7.19		7.20		7.53		8.25		7.56		10.50		6.52		7.96	12
pH	SU		7.14		6.68		6.45		6.40		6.26		7.13		7.37		6.31		6.48		6.38		6.50		6.54		7.37		6.26		6.64	12
Temperature	° C		9.7		11.0		14.0		20.2		21.4		23.9		25.4		24.5		23.6		20.4		15.0		16.0		25.4		9.7		18.8	12
Hardness (total)	mg/L		22		21		18		21		19		18		20		18		12	<	1	<	1	<	1		22	<	1		14	9
Nitrate-Nitrogen	mg/L		0.150		0.140		0.190		0.110		0.130		0.170		0.140		0.130		0.160		0.080		0.140		0.190		0.080		0.140		12	
Nitrite-Nitrogen	mg/L	<	0.003	<	0.003	<	0.003		0.030	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003		0.030	<	0.003		0.006	1
Phosphorus	mg/L		0.099		0.081		0.160		0.270		0.080		0.120		0.080		0.082		0.100		0.091		0.100		0.080		0.270		0.080		0.112	12
Total Organic Carbon	mg/L		3.9		3.9		3.1		4.0		3.3		6.1		4.3		3.2		4.7		7.6		4.4		5.9		7.6		3.1		4.5	12
Aluminum	mg/L		0.2270		0.2180		0.3130		0.1730		0.1930		0.6640		0.1140	<	0.0200		0.1300		0.6290		0.2330		0.1630		0.6640	<	0.0200		0.2564	11
Beryllium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	0
Cadmium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	0
Chromium	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010		0.0010		0.0013	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010		0.0013	<	0.0010		0.0010	1
Copper	mg/L	<	0.0010		0.0011	<	0.0010		0.0026	<	0.0010		0.0018		0.0012		0.0010		0.0012		0.0021		0.0012	<	0.0010		0.0026	<	0.0010		0.0013	8
Iron	mg/L		0.6190		0.5110		0.5630		0.8780		0.4760		1.1600		0.2890		0.2410		0.3310		1.2100		0.5530		0.6320		1.2100		0.2410		0.6219	12
Lead	mg/L	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	0
Mercury	µg/L	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	0
Manganese	mg/L		0.0643		0.0600		0.0609		0.0883		0.0722		0.1410		0.0524		0.0509		0.0646		0.1680		0.1570		0.0721		0.1680		0.0509		0.0876	12
Nickel	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	0
Thallium	mg/L	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	0
Zinc	mg/L	<	0.0010	<	0.0010	<	0.0010		0.0110		0.0066		0.1080		0.0076		0.0115	<	0.0010		0.0121		0.0121	<	0.0010		0.1080	<	0.0010		0.0145	7
Total Suspended Solids	mg/L		4		6		5		8		8		19		5		5		7		14		13		5		19		4		8	12

The yellow highlighted value indicates the estimated laboratory quality control is outside limits.

Table 8 SRS Stream and Savannah River Surface Water Inorganic Results (continued)

Location: RM-150.4

		Collection Date																														
Parameter	Unit		01/2015		02/2015		03/2015		04/2015		05/2015		06/2015		07/2015		08/2015		09/2015		10/2015		11/2015		12/2015		MAX		MIN		Average	#>LLD
Dissolved Oxygen	mg/L		10.56		9.87		8.65		7.62		8.09		6.49		6.99		7.24		7.27		7.53		8.42		7.86		10.56		6.49		8.05	12
pH	SU		6.93		6.44		6.45		6.50		6.37		7.12		6.87		6.43		6.55		6.04		6.35		6.42		7.12		6.04		6.54	12
Temperature	° C		9.3		11.3		14.2		19.9		20.4		22.7		24.0		24.2		23.0		20.1		17.0		14.7		24.2		9.3		18.4	12
Hardness (total)	mg/L		21		22		19		22		20		18		12		19		21	<	1		17	<	1		22	<	1		16	10
Nitrate-Nitrogen	mg/L		0.160		0.140		0.160		0.150		0.170		0.210		0.150		0.160		0.130		0.170		0.100		0.180		0.210		0.100		0.157	12
Nitrite-Nitrogen	mg/L	<	0.003	<	0.003	<	0.003		0.023	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003		0.023	<	0.003		0.005	1
Phosphorus	mg/L		0.130		0.099		0.150		0.150		0.086		0.130		0.120		0.110		0.100		0.140		0.098		0.082		0.150		0.082		0.116	12
Total Organic Carbon	mg/L		3.9		3.8		3.2		4.4		3.3		6.3		4.8		3.4		4.3		8.6		4.3		5.1		8.6		3.2		4.6	12
Aluminum	mg/L		0.2090		0.1890		0.3610		0.1680		0.2240		0.4600		0.1360		0.2200		0.1600		0.9210		0.2520		0.2290		0.9210		0.1360		0.2941	12
Beryllium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	0
Cadmium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	0
Chromium	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	0
Copper	mg/L	<	0.0010		0.0017	<	0.0010		0.0020	<	0.0010		0.0017	<	0.0010	<	0.0010	<	0.0010		0.0017		0.0012	<	0.0010		0.0020	<	0.0010		0.0013	5
Iron	mg/L		0.4480		0.3800		0.5090		0.6630		0.4780		0.9430		0.3140		0.3590		0.3500		1.3300		0.6060		0.5950		1.3300		0.3140		0.5813	12
Lead	mg/L	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050		0.0053		0.0053	<	0.0050		0.0050	1
Mercury	µg/L	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	0
Manganese	mg/L		0.0773		0.0708		0.0687		0.0884		0.0781		0.1360		0.0558		0.0646		0.0634		0.1720		0.1660		0.1270		0.1720		0.0558		0.0973	12
Nickel	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	0
Thallium	mg/L	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	0
Zinc	mg/L	<	0.0010	<	0.0010	<	0.0010		0.0251		0.0082		0.0112		0.0056	<	0.0010	<	0.0010		0.0138		0.0122	<	0.0010		0.0251	<	0.0010		0.0068	6
Total Suspended Solids	mg/L		5		7		5		7		8		26		6		9		10		24		13		7		26		5		11	12

The yellow highlighted value indicates the estimated laboratory quality control is outside limits.

Table 8 SRS Stream and Savannah River Surface Water Inorganic Results (continued)

Location: RM-160

		Collection Date																														
Parameter	Unit		01/2015		02/2015		03/2015		04/2015		05/2015		06/2015		07/2015		08/2015		09/2015		10/2015		11/2015		12/2015		MAX		MIN		Average	#>LLD
Dissolved Oxygen	mg/L		10.83		10.32		9.07		7.57		8.68		6.75		7.48		7.59		7.24		7.85		8.90		8.60		10.83		6.75		8.41	12
pH	SU		7.48		6.22		6.40		6.46		6.31		6.78		6.92		6.25		6.41		5.59		6.08		6.35		7.48		5.59		6.44	12
Temperature	° C		9.8		12.2		14.0		18.9		19.2		21.7		22.9		23.8		24.0		20.0		17.0		14.0		24.0		9.8		18.1	12
Hardness (total)	mg/L		20		18		19		21		17		19		21		17		16	<	1		17	<	1		21	<	1		16	10
Nitrate-Nitrogen	mg/L		0.150		0.540		0.160		0.120		0.130		0.160		0.160		0.160		0.120		0.140		0.110		0.270		0.540		0.110		0.185	12
Nitrite-Nitrogen	mg/L	<	0.003	<	0.003	<	0.003		0.025	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003		0.025	<	0.003		0.005	1
Phosphorus	mg/L		0.110		0.250		0.130		0.220		0.076		0.150		0.120		0.130		0.094		0.220		0.130		0.110		0.250		0.076		0.145	12
Total Organic Carbon	mg/L		3.4		3.5		3.3		4.2		3.0		5.9		5.0		3.4		4.3		11.0		4.2		5.0		11.0		3.0		4.7	12
Aluminum	mg/L		0.1380		0.1380		0.3950		0.1060		0.1340		0.3210		0.0900	<	0.0200		0.0854		1.4100		0.2200		0.2080		1.4100	<	0.0200		0.2721	11
Beryllium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	0
Cadmium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	0
Chromium	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010		0.0010		0.0010		0.0013	<	0.0010	<	0.0010		0.0013	<	0.0010		0.0010	1
Copper	mg/L	<	0.0010		0.0021	<	0.0010		0.0012		0.0012		0.0012	<	0.0010		0.0015	<	0.0010		0.0029		0.0012		0.0011		0.0029	<	0.0010		0.0014	8
Iron	mg/L		0.3380		0.2740		0.5020		0.4410		0.2920		0.6550		0.2170		0.2280		0.2680		1.4700		0.5470		0.5160		1.4700		0.2170		0.4790	12
Lead	mg/L	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050		0.0052	<	0.0050		0.0052	<	0.0050		0.0050	1
Mercury	µg/L	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	0
Manganese	mg/L		0.0718		0.0612		0.0623		0.0695		0.0627		0.1180		0.0491		0.0611		0.0595		0.1160		0.1710		0.1590		0.1710		0.0491		0.0884	12
Nickel	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	0
Thallium	mg/L	<	0.0100	<	0.0100	<	0.0100	<	0.0100		0.0120	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100		0.0120	<	0.0100		0.0102	1
Zinc	mg/L	<	0.0010		0.0101	<	0.0010		0.0049		0.0027		0.0044		0.0057		0.0117	<	0.0010		0.0134		0.0112	<	0.0010		0.0134	<	0.0010		0.0057	8
Total Suspended Solids	mg/L		1		4		3		1		2		17		3		4		5		13		11		5		17		1		6	12

The yellow highlighted value indicates the estimated laboratory quality control is outside limits.

Table 8 SRS Stream and Savannah River Surface Water Inorganic Results (continued)

Location: SC-4																																
		Collection Date																														
Parameter	Unit		01/2015		02/2015		03/2015		04/2015		05/2015		06/2015		07/2015		08/2015		09/2015		10/2015		11/2015		12/2015		MAX		MIN		Average	#>LLD
Dissolved Oxygen	mg/L		9.42		9.64		9.90		7.76		8.14		7.55		7.27		7.54		7.97		8.24		8.38		9.45		9.90		7.27		8.44	12
pH	SU		6.30		6.10		6.60		6.08		6.77		6.51		6.30		7.29		7.18		7.05		6.73		7.00		7.29		6.08		6.66	12
Temperature	° C		10.5		16.2		16.5		20.5		26.3		26.4		28.1		26.1		23.3		19.7		16.1		16.0		28.1		10.5		20.5	12
Hardness (total)	mg/L		20		20		20		16		22		21		24		24		20	<	1		20	<	1		24	<	1		17	10
Nitrate-Nitrogen	mg/L		0.041		0.023		0.052		0.054		0.040		0.045		0.023		0.035		0.020		0.170		0.056		0.130		0.170		0.020		0.057	12
Nitrite-Nitrogen	mg/L	<	0.003	<	0.003	<	0.003		0.020	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003		0.020	<	0.003		0.005	1
Phosphorus	mg/L		0.058		0.033		0.082		0.110		0.046		0.084		0.028		0.022		0.067		0.021		0.150		0.029		0.150		0.021		0.061	12
Total Organic Carbon	mg/L		6.0		5.9		3.8		9.4		3.7		5.0		4.9		3.7		3.3		6.3		11.0		6.3		11.0		3.3		5.8	12
Aluminum	mg/L		0.1830		0.2390		0.0856		0.1880		0.2720		0.1130		0.1080	<	0.0200		0.0505		0.0945		0.2190		0.0936		0.2720	<	0.0200		0.1389	11
Beryllium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	0
Cadmium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	0
Chromium	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	0
Copper	mg/L	<	0.0010	<	0.0010	<	0.0010		0.0016	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010		0.0027	<	0.0010		0.0027	<	0.0010		0.0012	2
Iron	mg/L		0.5600		0.6300		0.2810		0.7360		0.7440		0.5060		0.4520		0.3600		0.3320		0.5070		0.6620		0.6030		0.7440		0.2810		0.5311	12
Lead	mg/L	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050		0.0064		0.0064	<	0.0050		0.0051	1
Mercury	µg/L	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	0
Manganese	mg/L		0.0632		0.0670		0.0230		0.0486		0.0658		0.0457		0.0495		0.0324		0.0283		0.0407		0.0358		0.0520		0.0670		0.0230		0.0460	12
Nickel	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	0
Thallium	mg/L	<	0.0100	<	0.0100	<	0.0100		0.0141	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100		0.0141	<	0.0100		0.0103	1
Zinc	mg/L	<	0.0010	<	0.0010		0.0112		0.0124		0.0051		0.0034		0.0089		0.0193		0.0119		0.0170		0.0256		0.0233		0.0256	<	0.0010		0.0117	10
Total Suspended Solids	mg/L		5		8		2		8		17		14		6		5		4		2		8		4		17		2		7	12

The yellow highlighted value indicates the estimated laboratory quality control is outside limits.

Table 8 SRS Stream and Savannah River Surface Water Inorganic Results (continued)

Location: TB-5

		Collection Date																														
Parameter	Unit		01/2015		02/2015		03/2015		04/2015		05/2015		06/2015		07/2015		08/2015		09/2015		10/2015		11/2015		12/2015		MAX		MIN		Average	#>LLD
Dissolved Oxygen	mg/L		9.59		9.39		9.19		7.44		7.88		7.49		7.41		7.58		7.94		8.15		8.55		9.27		9.59		7.41		8.32	12
pH	SU		5.25		6.72		6.36		6.45		6.65		5.47		6.57		6.10		6.12		5.87		6.50		6.48		6.72		5.25		6.21	12
Temperature	° C		9.5		13.9		14.9		22.0		20.7		22.7		23.9		23.7		20.9		17.3		15.0		14.8		23.9		9.5		18.3	12
Hardness (total)	mg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1	0
Nitrate-Nitrogen	mg/L	<	0.001	<	0.001		0.021	<	0.001	<	0.001	<	0.001	<	0.001		0.088	<	0.001		0.077		0.088	<	0.001		0.016		0.016	3		
Nitrite-Nitrogen	mg/L	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	0
Phosphorus	mg/L		0.027		0.033		0.070		0.130		0.054		0.055		0.120		0.084		0.092		0.050		0.130		0.150		0.150		0.027		0.083	12
Total Organic Carbon	mg/L		3.5		3.3		4.0		8.5		4.6		6.3		5.2		5.0		3.9		7.9		10.0		6.1		10.0		3.3		5.7	12
Aluminum	mg/L		0.0970		0.0626		0.0890		0.1660		0.1260		0.1260		0.1510	<	0.0200		0.0369		0.0682		0.1110		0.1150		0.1660	<	0.0200		0.0974	11
Beryllium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	0
Cadmium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005		0.0005		0.0005	<	0.0005		0.0005	1
Chromium	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	0
Copper	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010		0.0023	<	0.0010	<	0.0010	<	0.0010	<	0.0010		0.0023	<	0.0010		0.0011	1
Iron	mg/L		1.6200		1.6500		1.8300		3.3100		3.4600		4.0000		5.7600		5.1900		3.9200		2.6500		3.5700		2.9200		5.7600		1.6200		3.3233	12
Lead	mg/L	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	0
Mercury	µg/L	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	0
Manganese	mg/L		0.0742		0.0681		0.0848		0.0831		0.1350		0.1220		0.5230		0.3090		0.1500		0.1270		0.1000		0.0891		0.5230		0.0681		0.1554	12
Nickel	mg/L	<	0.0010	<	0.0010		0.0017		0.0023		0.0020		0.0053	<	0.0010		0.0042	<	0.0010		0.0031		0.0062	<	0.0010		0.0062	<	0.0010		0.0025	7
Thallium	mg/L	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	0
Zinc	mg/L	<	0.0010	<	0.0010	<	0.0010		0.0029		0.0139		0.0067		0.0067		0.0141	<	0.0010		0.0263		0.0140		0.0271		0.0271	<	0.0010		0.0096	8
Total Suspended Solids	mg/L		4		8		5		12		10		17		19		14		9		7		6		11		19		4		10	12

The yellow highlighted value indicates the estimated laboratory quality control is outside limits.

Table 8 SRS Stream and Savannah River Surface Water Inorganic Results (continued)

Location: TC-1																																
		Collection Date																														
Parameter	Unit		01/2015		02/2015		03/2015		04/2015		05/2015		06/2015		07/2015		08/2015		09/2015		10/2015		11/2015		12/2015		MAX		MIN		Average	#>LLD
Dissolved Oxygen	mg/L		9.92		9.99		9.72		7.34		8.16		7.64		8.02		6.86		6.99		8.15		8.36		9.65		9.99		6.86		8.40	12
pH	SU		5.81		6.12		6.38		5.45		6.02		6.07		5.48		7.10		6.63		6.89		6.05		6.65		7.10		5.45		6.22	12
Temperature	° C		9.3		14.2		14.0		20.2		22.5		23.8		21.4		24.2		21.4		17.4		14.9		14.0		24.2		9.3		18.1	12
Hardness (total)	mg/L		10		13		11		11		13		13		13		14		14	<	1		11		12		14	<	1		11	11
Nitrate-Nitrogen	mg/L	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001		0.044		0.022		0.040		0.044	<	0.001		0.010	3
Nitrite-Nitrogen	mg/L	<	0.003	<	0.003	<	0.003		0.027	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003		0.027	<	0.003		0.005	1
Phosphorus	mg/L		0.043		0.048		0.056		0.110		0.095		0.087		0.070		0.091		0.110		0.049		0.140		0.060		0.140		0.043		0.080	12
Total Organic Carbon	mg/L		5.0		4.1		3.9		10.0		3.5		4.3		3.9		9.5		9.7		7.4		12.0		6.1		12.0		3.5		6.6	12
Aluminum	mg/L		0.0877		0.0798		0.0806		0.2360		0.1740		0.0807		0.1020	<	0.0200		0.2090		0.0957		0.1090		0.1060		0.2360	<	0.0200		0.1150	11
Beryllium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	0
Cadmium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	0
Chromium	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	0
Copper	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	0
Iron	mg/L		0.3970		0.3610		0.3060		1.0600		0.9060		0.5700		0.5720		0.8830		0.9300		0.5800		0.6580		0.4710		1.0600		0.3060		0.6412	12
Lead	mg/L	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	0
Mercury	µg/L	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	0
Manganese	mg/L		0.0137		0.0227		0.0129		0.0661		0.0317		0.0200		0.0243		0.0307		0.0740		0.0190		0.0238		0.0277		0.0740		0.0129		0.0306	12
Nickel	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	0
Thallium	mg/L	<	0.0100	<	0.0100	<	0.0100		0.0143	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100		0.0143	<	0.0100		0.0104	1
Zinc	mg/L	<	0.0010	<	0.0010	<	0.0010		0.0099		0.0020		0.0045		0.0093	<	0.0010		0.0125		0.0184		0.0125		0.0282		0.0282	<	0.0010		0.0084	8
Total Suspended Solids	mg/L		4		10		3		19		14		8		7		5		15		3		4		7		19		3		8	12

The yellow highlighted value indicates the estimated laboratory quality control is outside limits.

Table 8 SRS Stream and Savannah River Surface Water Inorganic Results (continued)

Location: U3R-1

		Collection Date																														
Parameter	Unit		01/2015		02/2015		03/2015		04/2015		05/2015		06/2015		07/2015		08/2015		09/2015		10/2015		11/2015		12/2015		MAX		MIN		Average	#>LLD
Dissolved Oxygen	mg/L		9.09		9.21		8.99		7.75		7.63		7.68		7.51		7.65		7.67		8.43		8.39		8.96		9.21		7.51		8.25	12
pH	SU		5.08		6.05		5.63		5.26		5.78		5.43		6.93		8.12		6.68		6.24		5.94		5.60		8.12		5.08		6.06	12
Temperature	° C		12.4		15.3		14.8		19.2		20.7		21.2		22.3		21.6		20.4		17.2		15.2		15.5		22.3		12.4		18.0	12
Hardness (total)	mg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1	0
Nitrate-Nitrogen	mg/L		0.034	<	0.001		0.054	<	0.001	<	0.001	<	0.001		0.076		0.039	<	0.001		0.036		0.028		0.028		0.076	<	0.001		0.025	7
Nitrite-Nitrogen	mg/L	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	0
Phosphorus	mg/L		0.012		0.013	<	0.009		0.033		0.020		0.039		0.022		0.041		0.022		0.032		0.018		0.042		0.042	<	0.009		0.025	11
Total Organic Carbon	mg/L		3.4		1.8		1.6		5.3		1.1		2.2		2.4		3.0		3.7		5.4		8.0		2.4		8.0		1.1		3.4	12
Aluminum	mg/L		0.1520		0.0707		0.0537		0.1930		0.1140		0.0627		0.1070	<	0.0200		0.1380		0.1360		0.2340		0.1310		0.2340	<	0.0200		0.1177	11
Beryllium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0050	<	0.0050	<	0.0005	<	0.0009	0
Cadmium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0050	<	0.0050	<	0.0005	<	0.0009	0
Chromium	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0100	<	0.0100	<	0.0010	<	0.0018	0
Copper	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010		0.0013	<	0.0010	<	0.0010	<	0.0100		0.0100	<	0.0010		0.0018	1
Iron	mg/L		0.3430		0.2600		0.2490		0.5950		0.4650		0.3970		0.4160		0.3230		0.4590		0.4630		0.6010		0.4250		0.6010		0.2490		0.4163	12
Lead	mg/L	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0500	<	0.0500	<	0.0050	<	0.0088	0
Mercury	µg/L	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	0
Manganese	mg/L		0.0124		0.0084		0.0075		0.0141		0.0132		0.0094		0.0147		0.0070		0.0108		0.0124		0.0208		0.0135		0.0208		0.0070		0.0120	12
Nickel	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0100	<	0.0100	<	0.0010	<	0.0018	0
Thallium	mg/L	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.1000	<	0.1000	<	0.0100	<	0.0175	0
Zinc	mg/L	<	0.0010	<	0.0010	<	0.0010		0.0112		0.0073		0.0033		0.0152		0.0187		0.0176		0.0136		0.0214		0.0287		0.0287	<	0.0010		0.0117	9
Total Suspended Solids	mg/L		2		3		2		8		5		4		3		3		4		3		5		7		8		2		4	12

The yellow highlighted value indicates the estimated laboratory quality control is outside limits.

Table 8 SRS Stream and Savannah River Surface Water Inorganic Results (continued)

Location: U3R-4

		Collection Date																														
Parameter	Unit		01/2015		02/2015		03/2015		04/2015		05/2015		06/2015		07/2015		08/2015		09/2015		10/2015		11/2015		12/2015		MAX		MIN		Average	#>LLD
Dissolved Oxygen	mg/L		9.82		9.77		9.17		7.41		8.19		7.95		7.56		7.68		8.16		7.89		8.29		9.28		9.82		7.41		8.43	12
pH	SU		5.75		6.05		6.49		5.64		6.50		6.52		5.76		7.80		7.00		6.26		5.84		6.52		7.80		5.64		6.34	12
Temperature	° C		9.1		15.9		18.0		20.0		24.5		22.4		25.3		23.6		21.1		18.1		14.7		15.5		25.3		9.1		19.0	12
Hardness (total)	mg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1	0
Nitrate-Nitrogen	mg/L		0.060		0.034		0.084	<	0.001		0.045		0.032		0.021		0.049		0.029		0.070	<	0.001		0.064		0.084	<	0.001		0.041	10
Nitrite-Nitrogen	mg/L	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	<	0.003	0
Phosphorus	mg/L		0.070		0.027		0.094		0.110		0.097		0.130		0.036		0.014		0.056		0.032		0.040		0.068		0.130		0.014		0.065	12
Total Organic Carbon	mg/L		8.0		3.5		3.5		10.0		3.1		4.6		3.1		1.6		2.4		14.0		17.0		4.5		17.0		1.6		6.3	12
Aluminum	mg/L		0.4410		0.1300		0.1360		0.7690		0.2560		0.3010		0.1200	<	0.0200		0.1040		0.3370		0.3300		0.1610		0.7690	<	0.0200		0.2588	11
Beryllium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	0
Cadmium	mg/L	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005	<	0.0005		0.0006		0.0006	<	0.0005		0.0005	1
Chromium	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	0
Copper	mg/L	<	0.0010	<	0.0010	<	0.0010		0.0017	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010		0.0017	<	0.0010		0.0011	1
Iron	mg/L		0.5830		0.3920		0.4380		1.4600		0.7010		0.8890		0.4720		0.5460		0.4260		0.8590		1.0400		0.6490		1.4600		0.3920		0.7046	12
Lead	mg/L	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	0
Mercury	µg/L	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	<	0.02000	0
Manganese	mg/L		0.0382		0.0179		0.0184		0.0675		0.0288		0.0339		0.0204		0.0273		0.0213		0.0477		0.0526		0.0190		0.0675		0.0179		0.0328	12
Nickel	mg/L	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010	0
Thallium	mg/L	<	0.0100	<	0.0100	<	0.0100		0.0102	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100	<	0.0100		0.0102	<	0.0100		0.0100	1
Zinc	mg/L	<	0.0010	<	0.0010		0.0207		0.0264		0.0041		0.0102		0.0071		0.0212	<	0.0010		0.0214		0.0162		0.0240		0.0264	<	0.0010		0.0129	9
Total Suspended Solids	mg/L		4		3		4		20		10		21		6		7		6		3		3		5		21		3		8	12

The yellow highlighted value indicates the estimated laboratory quality control is outside limits.

Table 9 Nonradiological Sediment Sampling Results**Mercury Analyses**

STATION NAME	COLLECTION DATE	RESULT (mg/kg)	DETECTION LIMIT (mg/kg)
Z-01_SED	19-May-15	0.05	0.00359
PB-ROAD-A	31-Mar-15	0.082	0.0058
U3R-ROAD-4	30-Mar-15	0.16	0.012
BDC	11-Mar-15	0.33	0.0071
TC-1	31-Mar-15	0.18	0.013
U3R-1A	11-Mar-15	0.32	0.023
U3R-4	11-Mar-15	0.13	0.0091
U3R-3	30-Mar-15	0.19	0.014
RM-157.2_SED	23-Mar-15	0.17	0.012
MEYERS-BRANCH	31-Mar-15	0.25	0.018
RM-160.0	23-Mar-15	0.17	0.012
BDC_RM	23-Mar-15	0.11	0.008
RM-150.4	23-Mar-15	0.11	0.0081
RM-118.7	14-May-15	0.17	0.013
RM-170.5	31-Mar-15	0.12	0.0083
MCQBR_MON_OWENS	30-Mar-15	0.18	0.012
SC-RM	26-Mar-15	0.14	0.01
U3R-ROAD-4	30-Mar-15	0.16	0.011
FMC-ROAD-A	31-Mar-15	0.0418	0.00663
E-003_SED	30-Mar-15	0.12	0.0088
E-002_SED	30-Mar-15	0.1	0.0072
E-001_SED	30-Mar-15	0.15	0.011
RM-129_L3RM-SED	14-May-15	0.1	0.0079
MCQBR_DS_Z_BASIN	30-Mar-15	0.099	0.007
SC-4	01-Jun-15	0.0165	0.0061
L3R-2	01-Jun-15	0.0393	0.00703
RM-150.2_SED	23-Mar-15	0.13	0.0091

Table 9 Nonradiological Sediment Sampling Results (continued)

Aluminum Analyses

STATION NAME	COLLECTION DATE	RESULT	RESULT UNITS	DETECTION LIMIT	DETECTION UNITS
RM-170.5	31-Mar-15	9600	ug/L	9.8	ug/L
RM-118.7	14-May-15	22000	ug/L	27	ug/L
SC-RM	26-Mar-15	34000	ug/L	11	ug/L
U3R-ROAD-4	30-Mar-15	5200	ug/L	13	ug/L
PB-ROAD-A	31-Mar-15	8600	ug/L	15	ug/L
L3R-2	01-Jun-15	1680000	ug/kg	13600	ug/kg
SC-4	01-Jun-15	1060000	ug/kg	9730	ug/kg
MCQBR_DS_Z_BASIN	30-Mar-15	1300	ug/L	7.9	ug/L
RM-129_L3RM-SED	14-May-15	8900	ug/L	18	ug/L
E-001_SED	30-Mar-15	36000	ug/L	12	ug/L
E-002_SED	30-Mar-15	3800	ug/L	8.7	ug/L
E-003_SED	30-Mar-15	33000	ug/L	10	ug/L
FMC-ROAD-A	31-Mar-15	1790000	ug/kg	11500	ug/kg
Z-01_SED	19-May-15	3600000	ug/kg	6690	ug/kg
RM-150.2_SED	23-Mar-15	15000	ug/L	12	ug/L
U3R-ROAD-4	30-Mar-15	4600	ug/L	13	ug/L
BDC	11-Mar-15	3300	ug/L	8.3	ug/L
TC-1	31-Mar-15	3800	ug/L	16	ug/L
U3R-1A	11-Mar-15	11000	ug/L	27	ug/L
U3R-4	11-Mar-15	6100	ug/L	12	ug/L
U3R-3	30-Mar-15	8000	ug/L	16	ug/L
RM-157.2_SED	23-Mar-15	26000	ug/L	13	ug/L
MEYERS-BRANCH	31-Mar-15	8600	ug/L	20	ug/L
RM-160.0	23-Mar-15	25000	ug/L	14	ug/L
BDC_RM	23-Mar-15	4100	ug/L	9.4	ug/L
RM-150.4	23-Mar-15	32000	ug/L	9.6	ug/L
MCQBR_MON_OWENS	30-Mar-15	8500	ug/L	14	ug/L

Table 9 Nonradiological Sediment Sampling Results (continued)

Arsenic Analyses

STATION NAME	COLLECTION DATE	RESULT	RESULT UNITS	DETECTION LIMIT	DETECTION UNITS
RM-170.5	31-Mar-15	1.5	ug/L	0.33	ug/L
RM-118.7	14-May-15	2.8	ug/L	0.91	ug/L
SC-RM	26-Mar-15	3.1	ug/L	0.38	ug/L
U3R-ROAD-4	30-Mar-15	1	ug/L	0.46	ug/L
PB-ROAD-A	31-Mar-15	1.9	ug/L	0.53	ug/L
L3R-2	01-Jun-15	5990	ug/kg	998	ug/kg
SC-4	01-Jun-15	857	ug/kg	715	ug/kg
MCQBR_DS_Z_BASIN	30-Mar-15	0.59	ug/L	0.27	ug/L
RM-129_L3RM-SED	14-May-15	1.5	ug/L	0.63	ug/L
E-001_SED	30-Mar-15	5.2	ug/L	0.4	ug/L
E-002_SED	30-Mar-15	0.73	ug/L	0.3	ug/L
E-003_SED	30-Mar-15	6.4	ug/L	0.35	ug/L
FMC-ROAD-A	31-Mar-15	1240	ug/kg	847	ug/kg
Z-01_SED	19-May-15	15300	ug/kg	492	ug/kg
RM-150.2_SED	23-Mar-15	1.3	ug/L	0.4	ug/L
U3R-ROAD-4	30-Mar-15	0.93	ug/L	0.43	ug/L
BDC	11-Mar-15	1.3	ug/L	0.28	ug/L
TC-1	31-Mar-15	1.2	ug/L	0.54	ug/L
U3R-1A	11-Mar-15	2	ug/L	0.93	ug/L
U3R-4	11-Mar-15	0.87	ug/L	0.4	ug/L
U3R-3	30-Mar-15	1.6	ug/L	0.54	ug/L
RM-157.2_SED	23-Mar-15	1.9	ug/L	0.46	ug/L
MEYERS-BRANCH	31-Mar-15	1.8	ug/L	0.68	ug/L
RM-160.0	23-Mar-15	1.9	ug/L	0.48	ug/L
BDC_RM	23-Mar-15	0.73	ug/L	0.32	ug/L
RM-150.4	23-Mar-15	1.3	ug/L	0.33	ug/L
MCQBR_MON_OWENS	30-Mar-15	1.9	ug/L	0.49	ug/L

Table 9 Nonradiological Sediment Sampling Results (continued)

Barium Analyses

STATION NAME	COLLECTION DATE	RESULT	RESULT UNITS	DETECTION LIMIT	DETECTION UNITS
L3R-2	01-Jun-15	38900	ug/kg	200	ug/kg
PB-ROAD-A	31-Mar-15	86	ug/L	0.33	ug/L
SC-4	01-Jun-15	17500	ug/kg	143	ug/kg
MCQBR_DS_Z_BASIN	30-Mar-15	7	ug/L	0.17	ug/L
RM-129_L3RM-SED	14-May-15	68	ug/L	0.39	ug/L
E-001_SED	30-Mar-15	120	ug/L	0.25	ug/L
E-002_SED	30-Mar-15	6.7	ug/L	0.18	ug/L
E-003_SED	30-Mar-15	48	ug/L	0.22	ug/L
FMC-ROAD-A	31-Mar-15	16300	ug/kg	169	ug/kg
Z-01_SED	19-May-15	90600	ug/kg	98.3	ug/kg
RM-150.2_SED	23-Mar-15	110	ug/L	0.25	ug/L
U3R-ROAD-4	30-Mar-15	68	ug/L	0.27	ug/L
BDC	11-Mar-15	29	ug/L	0.18	ug/L
TC-1	31-Mar-15	57	ug/L	0.34	ug/L
U3R-1A	11-Mar-15	99	ug/L	0.58	ug/L
U3R-4	11-Mar-15	60	ug/L	0.25	ug/L
U3R-3	30-Mar-15	100	ug/L	0.34	ug/L
RM-157.2_SED	23-Mar-15	120	ug/L	0.29	ug/L
MEYERS-BRANCH	31-Mar-15	77	ug/L	0.43	ug/L
RM-160.0	23-Mar-15	170	ug/L	0.3	ug/L
BDC_RM	23-Mar-15	52	ug/L	0.2	ug/L
RM-150.4	23-Mar-15	140	ug/L	0.21	ug/L
RM-118.7	14-May-15	160	ug/L	0.57	ug/L
RM-170.5	31-Mar-15	76	ug/L	0.21	ug/L
MCQBR_MON_OWENS	30-Mar-15	63	ug/L	0.31	ug/L
SC-RM	26-Mar-15	180	ug/L	0.24	ug/L
U3R-ROAD-4	30-Mar-15	75	ug/L	0.29	ug/L

Table 9 Nonradiological Sediment Sampling Results (continued)

Cadmium Analyses

STATION NAME	COLLECTION DATE	RESULT	RESULT UNITS	DETECTION LIMIT	DETECTION UNITS
RM-160.0	23-Mar-15	0.21	ug/L	0.052	ug/L
U3R-ROAD-4	30-Mar-15	0.2	ug/L	0.047	ug/L
RM-150.2_SED	23-Mar-15	0.17	ug/L	0.043	ug/L
Z-01_SED	19-May-15	492	ug/kg	98.3	ug/kg
FMC-ROAD-A	31-Mar-15	248	ug/kg	169	ug/kg
E-003_SED	30-Mar-15	0.32	ug/L	0.038	ug/L
E-002_SED	30-Mar-15	0.13	ug/L	0.032	ug/L
E-001_SED	30-Mar-15	0.21	ug/L	0.044	ug/L
RM-129_L3RM-SED	14-May-15	0.14	ug/L	0.034	ug/L
MCQBR_DS_Z_BASIN	30-Mar-15	0.12	ug/L	0.03	ug/L
SC-4	01-Jun-15	715	ug/kg	143	ug/kg
L3R-2	01-Jun-15	998	ug/kg	200	ug/kg
RM-150.4	23-Mar-15	0.14	ug/L	0.036	ug/L
BDC_RM	23-Mar-15	0.14	ug/L	0.035	ug/L
RM-118.7	14-May-15	0.2	ug/L	0.049	ug/L
RM-170.5	31-Mar-15	0.15	ug/L	0.036	ug/L
MCQBR_MON_OWENS	30-Mar-15	0.26	ug/L	0.054	ug/L
SC-RM	26-Mar-15	0.19	ug/L	0.041	ug/L
BDC	11-Mar-15	0.12	ug/L	0.031	ug/L
TC-1	31-Mar-15	0.24	ug/L	0.059	ug/L
U3R-1A	11-Mar-15	0.41	ug/L	0.1	ug/L
U3R-4	11-Mar-15	0.21	ug/L	0.043	ug/L
U3R-3	30-Mar-15	0.39	ug/L	0.059	ug/L
RM-157.2_SED	23-Mar-15	0.2	ug/L	0.05	ug/L
MEYERS-BRANCH	31-Mar-15	0.3	ug/L	0.075	ug/L
U3R-ROAD-4	30-Mar-15	0.31	ug/L	0.05	ug/L

Table 9 Nonradiological Sediment Sampling Results (continued)

Chromium Analyses

STATION NAME	COLLECTION DATE	RESULT	RESULT UNITS	DETECTION LIMIT	DETECTION UNITS
RM-118.7	14-May-15	29	ug/L	0.28	ug/L
U3R-ROAD-4	30-Mar-15	7.2	ug/L	0.13	ug/L
MCQBR_MON_OWENS	30-Mar-15	13	ug/L	0.15	ug/L
SC-RM	26-Mar-15	35	ug/L	0.12	ug/L
U3R-ROAD-4	30-Mar-15	7.5	ug/L	0.14	ug/L
PB-ROAD-A	31-Mar-15	16	ug/L	0.17	ug/L
BDC	11-Mar-15	3.5	ug/L	0.089	ug/L
TC-1	31-Mar-15	7.3	ug/L	0.17	ug/L
U3R-1A	11-Mar-15	15	ug/L	0.29	ug/L
U3R-4	11-Mar-15	7.8	ug/L	0.13	ug/L
U3R-3	30-Mar-15	14	ug/L	0.17	ug/L
RM-157.2_SED	23-Mar-15	27	ug/L	0.14	ug/L
MEYERS-BRANCH	31-Mar-15	14	ug/L	0.21	ug/L
RM-160.0	23-Mar-15	28	ug/L	0.15	ug/L
BDC_RM	23-Mar-15	6.6	ug/L	0.1	ug/L
RM-150.4	23-Mar-15	30	ug/L	0.1	ug/L
L3R-2	01-Jun-15	10100	ug/kg	299	ug/kg
SC-4	01-Jun-15	3520	ug/kg	215	ug/kg
MCQBR_DS_Z_BASIN	30-Mar-15	2.3	ug/L	0.085	ug/L
RM-129_L3RM-SED	14-May-15	13	ug/L	0.2	ug/L
E-001_SED	30-Mar-15	40	ug/L	0.13	ug/L
E-002_SED	30-Mar-15	5.2	ug/L	0.093	ug/L
E-003_SED	30-Mar-15	38	ug/L	0.11	ug/L
FMC-ROAD-A	31-Mar-15	5500	ug/kg	254	ug/kg
Z-01_SED	19-May-15	10100	ug/kg	147	ug/kg
RM-150.2_SED	23-Mar-15	19	ug/L	0.12	ug/L
RM-170.5	31-Mar-15	14	ug/L	0.1	ug/L

Table 9 Nonradiological Sediment Sampling Results (continued)

Cyanide Analyses

STATION NAME	COLLECTION DATE	RESULT	RESULT UNITS	DETECTION LIMIT	DETECTION UNITS
RM-118.7	14-May-15	1.1	ug/L	0.13	ug/L
U3R-ROAD-4	30-Mar-15	1	ug/L	0.13	ug/L
MCQBR_MON_OWENS	30-Mar-15	1.1	ug/L	0.14	ug/L
SC-RM	26-Mar-15	0.88	ug/L	0.11	ug/L
U3R-ROAD-4	30-Mar-15	1.1	ug/L	0.13	ug/L
PB-ROAD-A	31-Mar-15	1.2	ug/L	0.15	ug/L
BDC	11-Mar-15	0.65	ug/L	0.081	ug/L
TC-1	31-Mar-15	1.3	ug/L	0.16	ug/L
U3R-1A	11-Mar-15	2.2	ug/L	0.27	ug/L
U3R-4	11-Mar-15	0.88	ug/L	0.11	ug/L
U3R-3	30-Mar-15	1.3	ug/L	0.16	ug/L
RM-157.2_SED	23-Mar-15	1.1	ug/L	0.13	ug/L
MEYERS-BRANCH	31-Mar-15	1.6	ug/L	0.2	ug/L
RM-160.0	23-Mar-15	1.1	ug/L	0.13	ug/L
BDC_RM	23-Mar-15	0.72	ug/L	0.089	ug/L
RM-150.4	23-Mar-15	0.79	ug/L	0.098	ug/L
L3R-2	01-Jun-15	421	ug/kg	141	ug/kg
SC-4	01-Jun-15	142	ug/kg	123	ug/kg
MCQBR_DS_Z_BASIN	30-Mar-15	0.6	ug/L	0.075	ug/L
RM-129_L3RM-SED	14-May-15	0.73	ug/L	0.09	ug/L
E-001_SED	30-Mar-15	0.93	ug/L	0.12	ug/L
E-002_SED	30-Mar-15	0.69	ug/L	0.085	ug/L
E-003_SED	30-Mar-15	0.82	ug/L	0.1	ug/L
FMC-ROAD-A	31-Mar-15	380	ug/kg	127	ug/kg
RM-150.2_SED	23-Mar-15	0.89	ug/L	0.11	ug/L
RM-170.5	31-Mar-15	0.76	ug/L	0.094	ug/L

Table 9 Nonradiological Sediment Sampling Results (continued)

Iron Analyses

STATION NAME	COLLECTION DATE	RESULT	RESULT UNITS	DETECTION LIMIT	DETECTION UNITS
L3R-2	01-Jun-15	3010000	ug/kg	16000	ug/kg
SC-4	01-Jun-15	2460000	ug/kg	11400	ug/kg
PB-ROAD-A	31-Mar-15	11000	ug/L	5.2	ug/L
U3R-ROAD-4	30-Mar-15	3500	ug/L	4.5	ug/L
SC-RM	26-Mar-15	30000	ug/L	3.8	ug/L
MCQBR_MON_OWENS	30-Mar-15	10000	ug/L	4.9	ug/L
RM-170.5	31-Mar-15	11000	ug/L	3.3	ug/L
RM-118.7	14-May-15	25000	ug/L	9	ug/L
RM-150.4	23-Mar-15	24000	ug/L	3.3	ug/L
BDC_RM	23-Mar-15	5100	ug/L	3.2	ug/L
RM-160.0	23-Mar-15	24000	ug/L	4.8	ug/L
MEYERS-BRANCH	31-Mar-15	6700	ug/L	6.8	ug/L
RM-157.2_SED	23-Mar-15	21000	ug/L	4.5	ug/L
MCQBR_DS_Z_BASIN	30-Mar-15	1000	ug/L	2.7	ug/L
RM-129_L3RM-SED	14-May-15	10000	ug/L	6.3	ug/L
E-001_SED	30-Mar-15	28000	ug/L	4	ug/L
E-002_SED	30-Mar-15	3000	ug/L	2.9	ug/L
E-003_SED	30-Mar-15	35000	ug/L	3.4	ug/L
FMC-ROAD-A	31-Mar-15	2620000	ug/kg	13600	ug/kg
Z-01_SED	19-May-15	6060000	ug/kg	7870	ug/kg
RM-150.2_SED	23-Mar-15	15000	ug/L	3.9	ug/L
U3R-ROAD-4	30-Mar-15	4200	ug/L	4.2	ug/L
BDC	11-Mar-15	3900	ug/L	2.8	ug/L
TC-1	31-Mar-15	3700	ug/L	5.4	ug/L
U3R-1A	11-Mar-15	7500	ug/L	9.2	ug/L
U3R-4	11-Mar-15	2200	ug/L	4	ug/L
U3R-3	30-Mar-15	5200	ug/L	5.3	ug/L

Table 9 Nonradiological Sediment Sampling Results (continued)

Lead Analyses

STATION NAME	COLLECTION DATE	RESULT	RESULT UNITS	DETECTION LIMIT	DETECTION UNITS
L3R-2	01-Jun-15	3190	ug/kg	658	ug/kg
PB-ROAD-A	31-Mar-15	6.4	ug/L	0.5	ug/L
MCQBR_DS_Z_BASIN	30-Mar-15	1.3	ug/L	0.26	ug/L
RM-129_L3RM-SED	14-May-15	5.6	ug/L	0.6	ug/L
E-001_SED	30-Mar-15	18	ug/L	0.38	ug/L
E-002_SED	30-Mar-15	2.1	ug/L	0.28	ug/L
E-003_SED	30-Mar-15	17	ug/L	0.33	ug/L
FMC-ROAD-A	31-Mar-15	3050	ug/kg	559	ug/kg
Z-01_SED	19-May-15	3880	ug/kg	324	ug/kg
RM-150.2_SED	23-Mar-15	7.3	ug/L	0.38	ug/L
U3R-ROAD-4	30-Mar-15	5.5	ug/L	0.41	ug/L
BDC	11-Mar-15	2.7	ug/L	0.27	ug/L
TC-1	31-Mar-15	6.3	ug/L	0.52	ug/L
U3R-1A	11-Mar-15	17	ug/L	0.88	ug/L
U3R-4	11-Mar-15	6.7	ug/L	0.38	ug/L
U3R-3	30-Mar-15	9	ug/L	0.51	ug/L
RM-157.2_SED	23-Mar-15	15	ug/L	0.43	ug/L
MEYERS-BRANCH	31-Mar-15	9.1	ug/L	0.65	ug/L
RM-160.0	23-Mar-15	14	ug/L	0.46	ug/L
BDC_RM	23-Mar-15	3.1	ug/L	0.31	ug/L
RM-150.4	23-Mar-15	12	ug/L	0.31	ug/L
RM-118.7	14-May-15	12	ug/L	0.86	ug/L
RM-170.5	31-Mar-15	10	ug/L	0.32	ug/L
MCQBR_MON_OWENS	30-Mar-15	7.1	ug/L	0.47	ug/L
SC-RM	26-Mar-15	16	ug/L	0.36	ug/L
U3R-ROAD-4	30-Mar-15	6	ug/L	0.43	ug/L
SC-4	01-Jun-15	2310	ug/kg	472	ug/kg

Table 9 Nonradiological Sediment Sampling Results (continued)

Magnesium Analyses

STATION NAME	COLLECTION DATE	RESULT	RESULT UNITS	DETECTION LIMIT	DETECTION UNITS
RM-118.7	14-May-15	2700	ug/L	77	ug/L
RM-170.5	31-Mar-15	1200	ug/L	28	ug/L
MCQBR_MON_OWENS	30-Mar-15	540	ug/L	42	ug/L
SC-RM	26-Mar-15	2600	ug/L	32	ug/L
U3R-ROAD-4	30-Mar-15	500	ug/L	39	ug/L
PB-ROAD-A	31-Mar-15	580	ug/L	45	ug/L
L3R-2	01-Jun-15	48400	ug/kg	17000	ug/kg
SC-4	01-Jun-15	38200	ug/kg	12200	ug/kg
MCQBR_DS_Z_BASIN	30-Mar-15	300	ug/L	23	ug/L
RM-129_L3RM-SED	14-May-15	1100	ug/L	53	ug/L
E-001_SED	30-Mar-15	1200	ug/L	34	ug/L
E-002_SED	30-Mar-15	320	ug/L	25	ug/L
E-003_SED	30-Mar-15	2000	ug/L	29	ug/L
FMC-ROAD-A	31-Mar-15	82500	ug/kg	14400	ug/kg
Z-01_SED	19-May-15	387000	ug/kg	8360	ug/kg
RM-150.2_SED	23-Mar-15	1700	ug/L	33	ug/L
U3R-ROAD-4	30-Mar-15	470	ug/L	36	ug/L
BDC	11-Mar-15	310	ug/L	24	ug/L
TC-1	31-Mar-15	590	ug/L	46	ug/L
U3R-1A	11-Mar-15	1000	ug/L	79	ug/L
U3R-4	11-Mar-15	430	ug/L	34	ug/L
U3R-3	30-Mar-15	590	ug/L	46	ug/L
RM-157.2_SED	23-Mar-15	1700	ug/L	39	ug/L
MEYERS-BRANCH	31-Mar-15	750	ug/L	58	ug/L
RM-160.0	23-Mar-15	2300	ug/L	41	ug/L
BDC_RM	23-Mar-15	400	ug/L	27	ug/L
RM-150.4	23-Mar-15	2600	ug/L	28	ug/L

Table 9 Nonradiological Sediment Sampling Results (continued)

Manganese Analyses

STATION NAME	COLLECTION DATE	RESULT	RESULT UNITS	DETECTION LIMIT	DETECTION UNITS
BDC_RM	23-Mar-15	770	ug/L	0.41	ug/L
RM-118.7	14-May-15	1500	ug/L	1.2	ug/L
FMC-ROAD-A	31-Mar-15	68900	ug/kg	339	ug/kg
MCQBR_MON_OWENS	30-Mar-15	180	ug/L	0.64	ug/L
E-003_SED	30-Mar-15	230	ug/L	0.45	ug/L
PB-ROAD-A	31-Mar-15	630	ug/L	0.68	ug/L
RM-160.0	23-Mar-15	1900	ug/L	0.62	ug/L
E-001_SED	30-Mar-15	130	ug/L	0.52	ug/L
MEYERS-BRANCH	31-Mar-15	360	ug/L	0.88	ug/L
U3R-ROAD-4	30-Mar-15	62	ug/L	0.59	ug/L
RM-157.2_SED	23-Mar-15	700	ug/L	0.59	ug/L
RM-129_L3RM-SED	14-May-15	620	ug/L	0.82	ug/L
U3R-3	30-Mar-15	100	ug/L	0.7	ug/L
U3R-4	11-Mar-15	28	ug/L	0.51	ug/L
RM-170.5	31-Mar-15	970	ug/L	0.43	ug/L
U3R-1A	11-Mar-15	27	ug/L	1.2	ug/L
MCQBR_DS_Z_BASIN	30-Mar-15	33	ug/L	0.35	ug/L
SC-RM	26-Mar-15	1300	ug/L	0.49	ug/L
TC-1	31-Mar-15	190	ug/L	0.7	ug/L
BDC	11-Mar-15	17	ug/L	0.36	ug/L
SC-4	01-Jun-15	139000	ug/kg	286	ug/kg
RM-150.4	23-Mar-15	1000	ug/L	0.42	ug/L
U3R-ROAD-4	30-Mar-15	61	ug/L	0.55	ug/L
L3R-2	01-Jun-15	419000	ug/kg	399	ug/kg
RM-150.2_SED	23-Mar-15	1300	ug/L	0.51	ug/L
Z-01_SED	19-May-15	41100	ug/kg	197	ug/kg
E-002_SED	30-Mar-15	15	ug/L	0.38	ug/L

Table 9 Nonradiological Sediment Sampling Results (continued)

Nickel Analyses

STATION NAME	COLLECTION DATE	RESULT	RESULT UNITS	DETECTION LIMIT	DETECTION UNITS
RM-150.2_SED	23-Mar-15	7.9	ug/L	0.91	ug/L
U3R-ROAD-4	30-Mar-15	4.7	ug/L	1	ug/L
SC-RM	26-Mar-15	16	ug/L	0.87	ug/L
MCQBR_MON_OWENS	30-Mar-15	6.1	ug/L	1.1	ug/L
RM-170.5	31-Mar-15	5.8	ug/L	0.76	ug/L
RM-118.7	14-May-15	13	ug/L	2.1	ug/L
RM-150.4	23-Mar-15	14	ug/L	0.75	ug/L
L3R-2	01-Jun-15	2290	ug/kg	299	ug/kg
SC-4	01-Jun-15	947	ug/kg	215	ug/kg
MCQBR_DS_Z_BASIN	30-Mar-15	2.4	ug/L	0.62	ug/L
RM-129_L3RM-SED	14-May-15	5	ug/L	0.72	ug/L
E-001_SED	30-Mar-15	12	ug/L	0.92	ug/L
E-002_SED	30-Mar-15	2.6	ug/L	0.68	ug/L
E-003_SED	30-Mar-15	13	ug/L	0.8	ug/L
FMC-ROAD-A	31-Mar-15	2900	ug/kg	254	ug/kg
Z-01_SED	19-May-15	6140	ug/kg	147	ug/kg
PB-ROAD-A	31-Mar-15	6.2	ug/L	1.2	ug/L
U3R-ROAD-4	30-Mar-15	4.4	ug/L	0.98	ug/L
BDC	11-Mar-15	2.5	ug/L	0.65	ug/L
TC-1	31-Mar-15	4.7	ug/L	1.2	ug/L
U3R-1A	11-Mar-15	8.1	ug/L	2.1	ug/L
U3R-4	11-Mar-15	6.6	ug/L	0.91	ug/L
U3R-3	30-Mar-15	10	ug/L	1.2	ug/L
RM-157.2_SED	23-Mar-15	13	ug/L	1	ug/L
MEYERS-BRANCH	31-Mar-15	6	ug/L	1.6	ug/L
RM-160.0	23-Mar-15	12	ug/L	1.1	ug/L
BDC_RM	23-Mar-15	2.8	ug/L	0.74	ug/L

Table 9 Nonradiological Sediment Sampling Results (continued)

Selenium Analyses

STATION NAME	COLLECTION DATE	RESULT	RESULT UNITS	DETECTION LIMIT	DETECTION UNITS
U3R-ROAD-4	30-Mar-15	1	ug/L	0.81	ug/L
RM-129_L3RM-SED	14-May-15	0.69	ug/L	0.56	ug/L
Z-01_SED	19-May-15	2520	ug/kg	492	ug/kg
BDC_RM	23-Mar-15	0.7	ug/L	0.57	ug/L
MCQBR_DS_Z_BASIN	30-Mar-15	0.59	ug/L	0.48	ug/L
RM-160.0	23-Mar-15	1	ug/L	0.85	ug/L
FMC-ROAD-A	31-Mar-15	5080	ug/kg	847	ug/kg
MEYERS-BRANCH	31-Mar-15	1.5	ug/L	1.2	ug/L
PB-ROAD-A	31-Mar-15	1.2	ug/L	0.93	ug/L
RM-157.2_SED	23-Mar-15	1	ug/L	0.81	ug/L
E-003_SED	30-Mar-15	0.86	ug/L	0.61	ug/L
U3R-3	30-Mar-15	1.2	ug/L	0.95	ug/L
SC-4	01-Jun-15	4290	ug/kg	715	ug/kg
U3R-4	11-Mar-15	0.87	ug/L	0.71	ug/L
E-002_SED	30-Mar-15	0.64	ug/L	0.52	ug/L
U3R-1A	11-Mar-15	2.2	ug/L	1.6	ug/L
SC-RM	26-Mar-15	0.95	ug/L	0.67	ug/L
TC-1	31-Mar-15	1.2	ug/L	0.96	ug/L
E-001_SED	30-Mar-15	0.88	ug/L	0.71	ug/L
BDC	11-Mar-15	0.62	ug/L	0.5	ug/L
L3R-2	01-Jun-15	5990	ug/kg	998	ug/kg
U3R-ROAD-4	30-Mar-15	0.93	ug/L	0.76	ug/L
RM-118.7	14-May-15	0.99	ug/L	0.8	ug/L
RM-170.5	31-Mar-15	0.73	ug/L	0.59	ug/L
MCQBR_MON_OWENS	30-Mar-15	1.1	ug/L	0.87	ug/L
RM-150.2_SED	23-Mar-15	0.86	ug/L	0.7	ug/L
RM-150.4	23-Mar-15	0.72	ug/L	0.58	ug/L

Table 9 Nonradiological Sediment Sampling Results (continued)

Silver Analyses

SAMPLE NAME	COLLECTION DATE	RESULT	RESULT UNITS	DETECTION LIMIT	DETECTION UNITS
RM-150.4	23-Mar-15	0.36	ug/L	0.11	ug/L
BDC_RM	23-Mar-15	0.35	ug/L	0.11	ug/L
RM-160.0	23-Mar-15	0.52	ug/L	0.17	ug/L
MEYERS-BRANCH	31-Mar-15	0.75	ug/L	0.24	ug/L
RM-157.2_SED	23-Mar-15	0.5	ug/L	0.16	ug/L
U3R-3	30-Mar-15	0.59	ug/L	0.19	ug/L
U3R-4	11-Mar-15	0.43	ug/L	0.14	ug/L
U3R-1A	11-Mar-15	1	ug/L	0.32	ug/L
TC-1	31-Mar-15	0.59	ug/L	0.19	ug/L
BDC	11-Mar-15	0.31	ug/L	0.097	ug/L
U3R-ROAD-4	30-Mar-15	0.47	ug/L	0.15	ug/L
RM-150.2_SED	23-Mar-15	0.43	ug/L	0.14	ug/L
Z-01_SED	19-May-15	492	ug/kg	98.3	ug/kg
FMC-ROAD-A	31-Mar-15	847	ug/kg	169	ug/kg
E-003_SED	30-Mar-15	0.38	ug/L	0.12	ug/L
E-002_SED	30-Mar-15	0.32	ug/L	0.1	ug/L
E-001_SED	30-Mar-15	0.44	ug/L	0.14	ug/L
RM-129_L3RM-SED	14-May-15	0.34	ug/L	0.11	ug/L
MCQBR_DS_Z_BASIN	30-Mar-15	0.3	ug/L	0.093	ug/L
SC-4	01-Jun-15	715	ug/kg	143	ug/kg
L3R-2	01-Jun-15	998	ug/kg	200	ug/kg
PB-ROAD-A	31-Mar-15	0.58	ug/L	0.18	ug/L
U3R-ROAD-4	30-Mar-15	0.5	ug/L	0.16	ug/L
SC-RM	26-Mar-15	0.41	ug/L	0.13	ug/L
MCQBR_MON_OWENS	30-Mar-15	0.54	ug/L	0.17	ug/L
RM-170.5	31-Mar-15	0.36	ug/L	0.11	ug/L
RM-118.7	14-May-15	0.49	ug/L	0.16	ug/L

Table 9 Nonradiological Sediment Sampling Results (continued)

Uranium Analyses

STATION NAME	COLLECTION DATE	RESULT	RESULT UNITS	DETECTION LIMIT	DETECTION UNITS
RM-160.0	23-Mar-15	52	ug/L	5.2	ug/L
BDC_RM	23-Mar-15	35	ug/L	3.5	ug/L
RM-150.4	23-Mar-15	53	ug/L	3.6	ug/L
RM-118.7	14-May-15	49	ug/L	4.9	ug/L
RM-170.5	31-Mar-15	36	ug/L	3.6	ug/L
MCQBR_MON_OWENS	30-Mar-15	54	ug/L	5.4	ug/L
SC-RM	26-Mar-15	79	ug/L	4.1	ug/L
U3R-ROAD-4	30-Mar-15	50	ug/L	5	ug/L
PB-ROAD-A	31-Mar-15	58	ug/L	5.8	ug/L
L3R-2	01-Jun-15	9980	ug/kg	2000	ug/kg
SC-4	01-Jun-15	7150	ug/kg	1430	ug/kg
MCQBR_DS_Z_BASIN	30-Mar-15	30	ug/L	3	ug/L
RM-129_L3RM-SED	14-May-15	34	ug/L	3.4	ug/L
E-001_SED	30-Mar-15	68	ug/L	4.4	ug/L
E-002_SED	30-Mar-15	32	ug/L	3.2	ug/L
E-003_SED	30-Mar-15	84	ug/L	3.8	ug/L
FMC-ROAD-A	31-Mar-15	8470	ug/kg	1690	ug/kg
Z-01_SED	19-May-15	1200	ug/kg	983	ug/kg
RM-150.2_SED	23-Mar-15	43	ug/L	4.3	ug/L
U3R-ROAD-4	30-Mar-15	47	ug/L	4.7	ug/L
BDC	11-Mar-15	31	ug/L	3.1	ug/L
TC-1	31-Mar-15	59	ug/L	5.9	ug/L
U3R-1A	11-Mar-15	100	ug/L	10	ug/L
U3R-4	11-Mar-15	43	ug/L	4.3	ug/L
U3R-3	30-Mar-15	59	ug/L	5.9	ug/L
RM-157.2_SED	23-Mar-15	50	ug/L	5	ug/L
MEYERS-BRANCH	31-Mar-15	75	ug/L	7.5	ug/L

Table 9 Nonradiological Sediment Sampling Results (continued)

Zinc Analyses

STATION NAME	COLLECTION DATE	RESULT	RESULT UNITS	DETECTION LIMIT	DETECTION UNITS
L3R-2	01-Jun-15	12600	ug/kg	798	ug/kg
SC-4	01-Jun-15	6370	ug/kg	572	ug/kg
PB-ROAD-A	31-Mar-15	40	ug/L	1	ug/L
U3R-ROAD-4	30-Mar-15	17	ug/L	0.87	ug/L
SC-RM	26-Mar-15	53	ug/L	0.72	ug/L
MCQBR_MON_OWENS	30-Mar-15	39	ug/L	0.93	ug/L
MCQBR_DS_Z_BASIN	30-Mar-15	4.4	ug/L	0.51	ug/L
RM-129_L3RM-SED	14-May-15	25	ug/L	1.2	ug/L
E-001_SED	30-Mar-15	80	ug/L	0.76	ug/L
E-002_SED	30-Mar-15	3.9	ug/L	0.56	ug/L
E-003_SED	30-Mar-15	100	ug/L	0.66	ug/L
FMC-ROAD-A	31-Mar-15	26400	ug/kg	678	ug/kg
Z-01_SED	19-May-15	55500	ug/kg	393	ug/kg
RM-150.2_SED	23-Mar-15	35	ug/L	0.75	ug/L
U3R-ROAD-4	30-Mar-15	16	ug/L	0.81	ug/L
BDC	11-Mar-15	4.8	ug/L	0.53	ug/L
TC-1	31-Mar-15	17	ug/L	1	ug/L
U3R-1A	11-Mar-15	21	ug/L	1.8	ug/L
U3R-4	11-Mar-15	20	ug/L	0.75	ug/L
U3R-3	30-Mar-15	32	ug/L	1	ug/L
RM-157.2_SED	23-Mar-15	50	ug/L	0.87	ug/L
MEYERS-BRANCH	31-Mar-15	24	ug/L	1.3	ug/L
RM-160.0	23-Mar-15	58	ug/L	0.91	ug/L
BDC_RM	23-Mar-15	12	ug/L	0.61	ug/L
RM-150.4	23-Mar-15	50	ug/L	0.62	ug/L
RM-118.7	14-May-15	64	ug/L	1.7	ug/L
RM-170.5	31-Mar-15	30	ug/L	0.63	ug/L

Table 10 Nonradiological Fish Sampling Results – Fourmile Creek River Mouth

Fish Type	Collection Date	Antimony			Arsenic		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	06-May-15	0.947	0.947	U	0.631	0.631	U
Bass	06-May-15	1.3	1.3	U	0.868	0.868	U
Bass	06-May-15	1.34	1.34	U	0.891	0.891	U
Bass	06-May-15	1.2	1.2	U	0.803	0.803	U
Bass	06-May-15	0.961	0.961	U	0.641	0.641	U
Bass	06-May-15	1.22	1.22	U	0.813	0.813	U
Bass	18-May-15	1	1	U	0.669	0.669	U
Catfish	06-May-15	1.17	1.17	U	0.903	0.782	J
Catfish	06-May-15	1.38	1.38	U	0.923	0.923	U
Catfish	06-May-15	1.17	1.17	U	0.777	0.777	U
Catfish	06-May-15	1.33	1.33	U	0.889	0.889	U
Catfish	06-May-15	1.09	1.09	U	0.819	0.729	J
Catfish	06-May-15	1.42	1.42	U	1.26	0.944	J
Catfish	06-May-15	0.938	0.938	U	0.857	0.626	J
Panfish	06-May-15	1.03	1.03	U	0.891	0.689	J
Panfish	06-May-15	1.21	1.21	U	0.809	0.809	U
Panfish	06-May-15	1.38	1.38	U	0.973	0.917	J
Panfish	06-May-15	1.18	1.18	U	0.787	0.787	U
Panfish	18-May-15	0.973	0.973	U	0.649	0.649	U
Panfish	18-May-15	0.989	0.989	U	0.659	0.659	U
Panfish	18-May-15	1.09	1.09	U	0.727	0.727	U

Table 10 Nonradiological Fish Sampling Results – Fourmile Creek River Mouth (continued)

Fish Type	Collection Date	Cadmium			Chromium		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	06-May-15	0.0631	0.0631	U	0.0819	0.0631	J
Bass	06-May-15	0.0868	0.0868	U	0.129	0.0868	J
Bass	06-May-15	0.0891	0.0891	U	0.0976	0.0891	J
Bass	06-May-15	0.0803	0.0803	U	0.16	0.0803	J
Bass	06-May-15	0.0641	0.0641	U	0.0916	0.0641	J
Bass	06-May-15	0.0813	0.0813	U	0.128	0.0813	J
Bass	18-May-15	0.0669	0.0669	U	0.0765	0.0669	J
Catfish	06-May-15	0.0782	0.0782	U	0.147	0.0782	J
Catfish	06-May-15	0.0923	0.0923	U	0.302	0.0923	J
Catfish	06-May-15	0.0777	0.0777	U	0.128	0.0777	J
Catfish	06-May-15	0.0889	0.0889	U	0.159	0.0889	J
Catfish	06-May-15	0.0729	0.0729	U	0.157	0.0729	J
Catfish	06-May-15	0.0944	0.0944	U	0.119	0.0944	J
Catfish	06-May-15	0.0626	0.0626	U	0.074	0.0626	J
Panfish	06-May-15	0.0689	0.0689	U	0.0886	0.0689	J
Panfish	06-May-15	0.0809	0.0809	U	0.12	0.0809	J
Panfish	06-May-15	0.0917	0.0917	U	0.185	0.0917	J
Panfish	06-May-15	0.0787	0.0787	U	0.1	0.0787	J
Panfish	18-May-15	0.0649	0.0649	U	0.0649	0.0649	U
Panfish	18-May-15	0.0659	0.0659	U	0.0885	0.0659	J
Panfish	18-May-15	0.0727	0.0727	U	0.0758	0.0727	J

Table 10 Nonradiological Fish Sampling Results – Fourmile Creek River Mouth (continued)

Fish Type	Collection Date	Copper			Lead		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	06-May-15	0.126	0.126	U	0.631	0.631	U
Bass	06-May-15	0.174	0.174	U	0.868	0.868	U
Bass	06-May-15	0.178	0.178	U	0.891	0.891	U
Bass	06-May-15	0.175	0.161	J	0.803	0.803	U
Bass	06-May-15	0.421	0.128	J	0.641	0.641	U
Bass	06-May-15	0.163	0.163	U	0.813	0.813	U
Bass	18-May-15	0.161	0.134	J	0.669	0.669	U
Catfish	06-May-15	0.156	0.156	U	0.782	0.782	U
Catfish	06-May-15	0.185	0.185	U	0.923	0.923	U
Catfish	06-May-15	0.318	0.155	J	0.777	0.777	U
Catfish	06-May-15	0.211	0.178	J	0.889	0.889	U
Catfish	06-May-15	0.414	0.146	J	0.729	0.729	U
Catfish	06-May-15	0.189	0.189	U	0.944	0.944	U
Catfish	06-May-15	0.147	0.125	J	0.626	0.626	U
Panfish	06-May-15	0.138	0.138	U	0.689	0.689	U
Panfish	06-May-15	0.162	0.162	U	0.809	0.809	U
Panfish	06-May-15	0.183	0.183	U	0.917	0.917	U
Panfish	06-May-15	0.157	0.157	U	0.787	0.787	U
Panfish	18-May-15	0.13	0.13	U	0.649	0.649	U
Panfish	18-May-15	0.781	0.132	J	0.659	0.659	U
Panfish	18-May-15	0.627	0.145	J	0.727	0.727	U

Table 10 Nonradiological Fish Sampling Results – Fourmile Creek River Mouth (continued)

Fish Type	Collection Date	Manganese		Lab Qualifier	Mercury		
		Result (ug/g)	Detection Limit (ug/g)		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	06-May-15	0.098	0.0631	J	0.757	0.02	
Bass	06-May-15	0.0868	0.0868	U	0.52	0.02	
Bass	06-May-15	0.0891	0.0891	U	0.595	0.02	
Bass	06-May-15	0.0803	0.0803	U	0.737	0.02	
Bass	06-May-15	0.0919	0.0641	J	0.476	0.02	
Bass	06-May-15	0.465	0.0813	J	0.597	0.02	
Bass	18-May-15	0.663	0.0669	J	0.724	0.02	
Catfish	06-May-15	0.121	0.0782	J	0.32	0.02	
Catfish	06-May-15	1.49	0.0923		0.0991	0.02	J
Catfish	06-May-15	0.289	0.0777	J	0.067	0.02	J
Catfish	06-May-15	0.226	0.0889	J	0.173	0.02	J
Catfish	06-May-15	0.315	0.0729	J	0.0869	0.02	J
Catfish	06-May-15	0.192	0.0944	J	0.097	0.02	J
Catfish	06-May-15	0.193	0.0626	J	0.109	0.02	J
Panfish	06-May-15	0.315	0.0689	J	0.261	0.02	
Panfish	06-May-15	0.0821	0.0809	J	0.098	0.02	J
Panfish	06-May-15	0.0917	0.0917	U	0.153	0.02	J
Panfish	06-May-15	0.0787	0.0787	U	0.615	0.02	
Panfish	18-May-15	0.173	0.0649	J	0.157	0.02	J
Panfish	18-May-15	0.416	0.0659	J	0.326	0.02	
Panfish	18-May-15	0.145	0.0727	J	0.155	0.02	J

Table 10 Nonradiological Fish Sampling Results – Fourmile Creek River Mouth (continued)

Fish Type	Collection Date	Nickel			Zinc		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	06-May-15	0.126	0.126	U	4.94	0.126	
Bass	06-May-15	0.174	0.174	U	4.02	0.174	
Bass	06-May-15	0.178	0.178	U	3.13	0.178	
Bass	06-May-15	0.161	0.161	U	4.59	0.161	
Bass	06-May-15	0.128	0.128	U	5.31	0.128	
Bass	06-May-15	0.163	0.163	U	4.01	0.163	
Bass	18-May-15	0.134	0.134	U	3.84	0.134	
Catfish	06-May-15	0.156	0.156	U	5.74	0.156	
Catfish	06-May-15	0.185	0.185	U	8.85	0.185	
Catfish	06-May-15	0.155	0.155	U	4.23	0.155	
Catfish	06-May-15	0.178	0.178	U	4.42	0.178	
Catfish	06-May-15	0.146	0.146	U	7.01	0.146	
Catfish	06-May-15	0.189	0.189	U	5.06	0.189	
Catfish	06-May-15	0.125	0.125	U	4.64	0.125	
Panfish	06-May-15	0.138	0.138	U	4.3	0.138	
Panfish	06-May-15	0.162	0.162	U	5.81	0.162	
Panfish	06-May-15	0.183	0.183	U	6.99	0.183	
Panfish	06-May-15	0.157	0.157	U	3.88	0.157	
Panfish	18-May-15	0.13	0.13	U	4.78	0.13	
Panfish	18-May-15	0.132	0.132	U	9.27	0.132	
Panfish	18-May-15	0.145	0.145	U	6.47	0.145	

Table 10 Nonradiological Fish Sampling Results – Highway 301 Bridge

Fish Type	Collection Date	Antimony			Arsenic		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	17-Jun-15	1.4	1.4	U	0.932	0.932	U
Bass	17-Jun-15	1.39	1.39	U	0.928	0.928	U
Bass	17-Jun-15	1.29	1.29	U	0.862	0.862	U
Bass	17-Jun-15	1.23	1.23	U	0.822	0.822	U
Bass	17-Jun-15	1.26	1.26	U	0.841	0.841	U
Bass	17-Jun-15	1.39	1.39	U	0.926	0.926	U
Bass	17-Jun-15	1.19	1.19	U	0.79	0.79	U
Catfish	10-Jun-15	1.24	1.24	U	0.825	0.825	U
Catfish	10-Jun-15	1.24	1.24	U	0.827	0.827	U
Catfish	10-Jun-15	1.4	1.4	U	0.93	0.93	U
Catfish	10-Jun-15	1.26	1.26	U	0.839	0.839	U
Catfish	10-Jun-15	1.22	1.22	U	0.814	0.814	U
Catfish	10-Jun-15	1.18	1.18	U	0.788	0.788	U
Catfish	10-Jun-15	1.4	1.4	U	0.93	0.93	U
Panfish	10-Jun-15	1.42	1.42	U	0.946	0.946	U
Panfish	10-Jun-15	1.11	1.11	U	0.741	0.741	U
Panfish	10-Jun-15	1.12	1.12	U	0.746	0.746	U
Panfish	10-Jun-15	1.24	1.24	U	0.828	0.828	U
Panfish	10-Jun-15	1.24	1.24	U	0.824	0.824	U
Panfish	10-Jun-15	1.41	1.41	U	0.938	0.938	U
Panfish	10-Jun-15	1.02	1.02	U	0.679	0.679	U

Table 10 Nonradiological Fish Sampling Results – Highway 301 Bridge (continued)

Fish Type	Collection Date	Cadmium			Chromium		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	17-Jun-15	0.0932	0.0932	U	0.255	0.0932	J
Bass	17-Jun-15	0.0928	0.0928	U	0.129	0.0928	J
Bass	17-Jun-15	0.0862	0.0862	U	0.124	0.0862	J
Bass	17-Jun-15	0.0822	0.0822	U	0.117	0.0822	J
Bass	17-Jun-15	0.0841	0.0841	U	0.156	0.0841	J
Bass	17-Jun-15	0.0926	0.0926	U	0.123	0.0926	J
Bass	17-Jun-15	0.079	0.079	U	0.136	0.079	J
Catfish	10-Jun-15	0.0825	0.0825	U	0.0961	0.0825	J
Catfish	10-Jun-15	0.0827	0.0827	U	0.0827	0.0827	U
Catfish	10-Jun-15	0.093	0.093	U	0.093	0.093	U
Catfish	10-Jun-15	0.0839	0.0839	U	0.0997	0.0839	J
Catfish	10-Jun-15	0.0814	0.0814	U	0.0913	0.0814	J
Catfish	10-Jun-15	0.0788	0.0788	U	0.0888	0.0788	J
Catfish	10-Jun-15	0.093	0.093	U	0.114	0.093	J
Panfish	10-Jun-15	0.0946	0.0946	U	0.113	0.0946	J
Panfish	10-Jun-15	0.0741	0.0741	U	0.0978	0.0741	J
Panfish	10-Jun-15	0.0746	0.0746	U	0.121	0.0746	J
Panfish	10-Jun-15	0.0828	0.0828	U	0.12	0.0828	J
Panfish	10-Jun-15	0.0824	0.0824	U	0.0824	0.0824	U
Panfish	10-Jun-15	0.0938	0.0938	U	0.174	0.0938	J
Panfish	10-Jun-15	0.0679	0.0679	U	0.0862	0.0679	J

Table 10 Nonradiological Fish Sampling Results – Highway 301 Bridge (continued)

Fish Type	Collection Date	Copper			Lead		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	17-Jun-15	0.186	0.186	U	0.932	0.932	U
Bass	17-Jun-15	0.186	0.186	U	0.928	0.928	U
Bass	17-Jun-15	0.185	0.172	J	0.862	0.862	U
Bass	17-Jun-15	0.164	0.164	U	0.822	0.822	U
Bass	17-Jun-15	0.168	0.168	U	0.841	0.841	U
Bass	17-Jun-15	0.185	0.185	U	0.926	0.926	U
Bass	17-Jun-15	0.158	0.158	U	0.79	0.79	U
Catfish	10-Jun-15	0.258	0.165	J	0.825	0.825	U
Catfish	10-Jun-15	0.439	0.165	J	0.827	0.827	U
Catfish	10-Jun-15	0.186	0.186	U	0.93	0.93	U
Catfish	10-Jun-15	0.184	0.168	J	0.839	0.839	U
Catfish	10-Jun-15	0.163	0.163	U	0.814	0.814	U
Catfish	10-Jun-15	0.221	0.158	J	0.788	0.788	U
Catfish	10-Jun-15	0.223	0.186	J	0.93	0.93	U
Panfish	10-Jun-15	0.189	0.189	U	0.946	0.946	U
Panfish	10-Jun-15	0.193	0.148	J	0.741	0.741	U
Panfish	10-Jun-15	0.149	0.149	U	0.746	0.746	U
Panfish	10-Jun-15	0.166	0.166	U	0.828	0.828	U
Panfish	10-Jun-15	0.165	0.165	U	0.824	0.824	U
Panfish	10-Jun-15	0.222	0.188	J	0.938	0.938	U
Panfish	10-Jun-15	0.284	0.136	J	0.679	0.679	U

Table 10 Nonradiological Fish Sampling Results – Highway 301 Bridge (continued)

Fish Type	Collection Date	Manganese			Mercury		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	17-Jun-15	0.0932	0.0932	U	0.812	0.02	
Bass	17-Jun-15	0.232	0.0928	J	0.824	0.02	
Bass	17-Jun-15	0.093	0.0862	J	0.609	0.02	
Bass	17-Jun-15	0.0822	0.0822	U	0.843	0.02	
Bass	17-Jun-15	0.0841	0.0841	U	0.793	0.02	
Bass	17-Jun-15	0.0985	0.0926	J	0.574	0.02	
Bass	17-Jun-15	0.079	0.079	U	0.785	0.02	
Catfish	10-Jun-15	0.286	0.0825	J	0.367	0.02	
Catfish	10-Jun-15	0.2	0.0827	J	0.32	0.02	
Catfish	10-Jun-15	0.186	0.093	J	0.168	0.02	J
Catfish	10-Jun-15	0.297	0.0839	J	0.349	0.02	
Catfish	10-Jun-15	0.221	0.0814	J	0.0793	0.02	J
Catfish	10-Jun-15	0.204	0.0788	J	0.121	0.02	J
Catfish	10-Jun-15	0.385	0.093	J	0.268	0.02	
Panfish	10-Jun-15	1.88	0.0946		0.313	0.02	
Panfish	10-Jun-15	0.444	0.0741	J	0.775	0.02	
Panfish	10-Jun-15	0.0958	0.0746	J	0.456	0.02	
Panfish	10-Jun-15	0.156	0.0828	J	0.231	0.02	
Panfish	10-Jun-15	0.105	0.0824	J	0.432	0.02	
Panfish	10-Jun-15	0.241	0.0938	J	0.234	0.02	
Panfish	10-Jun-15	0.191	0.0679	J	0.551	0.02	

Table 10 Nonradiological Fish Sampling Results – Highway 301 Bridge (continued)

Fish Type	Collection Date	Nickel			Zinc		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	17-Jun-15	0.186	0.186	U	4.95	0.186	
Bass	17-Jun-15	0.186	0.186	U	7.49	0.186	
Bass	17-Jun-15	0.172	0.172	U	7.82	0.172	
Bass	17-Jun-15	0.164	0.164	U	4.68	0.164	
Bass	17-Jun-15	0.168	0.168	U	4.59	0.168	
Bass	17-Jun-15	0.185	0.185	U	4.39	0.185	
Bass	17-Jun-15	0.158	0.158	U	4.86	0.158	
Catfish	10-Jun-15	0.165	0.165	U	10.1	0.165	
Catfish	10-Jun-15	0.165	0.165	U	10.2	0.165	
Catfish	10-Jun-15	0.186	0.186	U	8.86	0.186	
Catfish	10-Jun-15	0.168	0.168	U	7.98	0.168	
Catfish	10-Jun-15	0.163	0.163	U	9	0.163	
Catfish	10-Jun-15	0.158	0.158	U	8.06	0.158	
Catfish	10-Jun-15	0.186	0.186	U	9.25	0.186	
Panfish	10-Jun-15	0.189	0.189	U	7.78	0.189	
Panfish	10-Jun-15	0.148	0.148	U	8.65	0.148	
Panfish	10-Jun-15	0.149	0.149	U	7.9	0.149	
Panfish	10-Jun-15	0.166	0.166	U	7.41	0.166	
Panfish	10-Jun-15	0.165	0.165	U	9.02	0.165	
Panfish	10-Jun-15	0.188	0.188	U	7.24	0.188	
Panfish	10-Jun-15	0.136	0.136	U	11.8	0.136	

Table 10 Nonradiological Fish Sampling Results – Lower Three Runs Creek River Mouth

Fish Type	Collection Date	Antimony			Arsenic		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	04-Mar-15	1.35	1.35	U	0.903	0.903	U
Bass	04-Mar-15	1.29	1.29	U	0.857	0.857	U
Bass	04-Mar-15	1.2	1.2	U	0.798	0.798	U
Bass	04-Mar-15	1.17	1.17	U	0.777	0.777	U
Bass	04-Mar-15	1.07	1.07	U	0.711	0.711	U
Bass	04-Mar-15	1.15	1.15	U	0.766	0.766	U
Bass	04-Mar-15	1.14	1.14	U	0.762	0.762	U
Catfish	04-Mar-15	1.28	1.28	U	0.856	0.856	U
Catfish	13-May-15	1.35	1.35	U	0.899	0.899	U
Catfish	13-May-15	1.12	1.12	U	0.748	0.748	U
Catfish	13-May-15	1.21	1.21	U	0.806	0.806	U
Catfish	13-May-15	1.1	1.1	U	0.733	0.733	U
Catfish	13-May-15	0.952	0.952	U	0.635	0.635	U
Catfish	13-May-15	1.17	1.17	U	0.778	0.778	U
Panfish	04-Mar-15	1.28	1.28	U	0.851	0.851	U
Panfish	04-Mar-15	1.09	1.09	U	0.727	0.727	U
Panfish	04-Mar-15	1.1	1.1	U	0.735	0.735	U
Panfish	04-Mar-15	1.3	1.3	U	0.868	0.868	U
Panfish	04-Mar-15	1.41	1.41	U	0.937	0.937	U
Panfish	04-Mar-15	1.05	1.05	U	0.697	0.697	U
Panfish	04-Mar-15	1.02	1.02	U	0.68	0.68	U

Table 10 Nonradiological Fish Sampling Results – Lower Three Runs Creek River Mouth (continued)

Fish Type	Collection Date	Cadmium			Chromium		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	04-Mar-15	0.0903	0.0903	U	0.842	0.0903	J
Bass	04-Mar-15	0.0857	0.0857	U	0.108	0.0857	J
Bass	04-Mar-15	0.0798	0.0798	U	0.0798	0.0798	U
Bass	04-Mar-15	0.0777	0.0777	U	0.0777	0.0777	U
Bass	04-Mar-15	0.0711	0.0711	U	0.0832	0.0711	J
Bass	04-Mar-15	0.0766	0.0766	U	0.0766	0.0766	U
Bass	04-Mar-15	0.0762	0.0762	U	0.0809	0.0762	J
Catfish	04-Mar-15	0.0856	0.0856	U	0.0977	0.0856	J
Catfish	13-May-15	0.0899	0.0899	U	0.0899	0.0899	U
Catfish	13-May-15	0.0748	0.0748	U	0.0757	0.0748	J
Catfish	13-May-15	0.0806	0.0806	U	0.0806	0.0806	U
Catfish	13-May-15	0.0733	0.0733	U	0.0771	0.0733	J
Catfish	13-May-15	0.0635	0.0635	U	0.0751	0.0635	J
Catfish	13-May-15	0.0778	0.0778	U	0.0778	0.0778	U
Panfish	04-Mar-15	0.0851	0.0851	U	0.0851	0.0851	U
Panfish	04-Mar-15	0.0727	0.0727	U	0.0727	0.0727	U
Panfish	04-Mar-15	0.0735	0.0735	U	0.0735	0.0735	U
Panfish	04-Mar-15	0.0868	0.0868	U	0.0868	0.0868	U
Panfish	04-Mar-15	0.0937	0.0937	U	0.0937	0.0937	U
Panfish	04-Mar-15	0.0697	0.0697	U	0.0697	0.0697	U
Panfish	04-Mar-15	0.068	0.068	U	0.0831	0.068	J

Table 10 Nonradiological Fish Sampling Results – Lower Three Runs Creek River Mouth (continued)

Fish Type	Collection Date	Copper			Lead		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	04-Mar-15	0.187	0.181	J	0.903	0.903	U
Bass	04-Mar-15	0.171	0.171	U	0.857	0.857	U
Bass	04-Mar-15	0.16	0.16	U	0.798	0.798	U
Bass	04-Mar-15	0.289	0.155	J	0.777	0.777	U
Bass	04-Mar-15	0.217	0.142	J	0.711	0.711	U
Bass	04-Mar-15	0.153	0.153	U	0.766	0.766	U
Bass	04-Mar-15	0.152	0.152	U	0.762	0.762	U
Catfish	04-Mar-15	0.235	0.171	J	0.856	0.856	U
Catfish	13-May-15	0.18	0.18	U	0.899	0.899	U
Catfish	13-May-15	0.377	0.15	J	0.748	0.748	U
Catfish	13-May-15	0.57	0.161	J	0.806	0.806	U
Catfish	13-May-15	0.357	0.147	J	0.733	0.733	U
Catfish	13-May-15	0.292	0.127	J	0.635	0.635	U
Catfish	13-May-15	0.476	0.156	J	0.778	0.778	U
Panfish	04-Mar-15	0.247	0.17	J	0.851	0.851	U
Panfish	04-Mar-15	0.145	0.145	U	0.727	0.727	U
Panfish	04-Mar-15	0.147	0.147	U	0.735	0.735	U
Panfish	04-Mar-15	0.174	0.174	U	0.868	0.868	U
Panfish	04-Mar-15	0.266	0.187	J	0.937	0.937	U
Panfish	04-Mar-15	0.139	0.139	U	0.697	0.697	U
Panfish	04-Mar-15	0.173	0.136	J	0.68	0.68	U

Table 10 Nonradiological Fish Sampling Results – Lower Three Runs Creek River Mouth (continued)

Fish Type	Collection Date	Manganese			Mercury		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	04-Mar-15	0.0903	0.0903	U	0.577	0.02	
Bass	04-Mar-15	0.0857	0.0857	U	0.639	0.02	
Bass	04-Mar-15	0.0798	0.0798	U	0.623	0.02	
Bass	04-Mar-15	0.0777	0.0777	U	0.605	0.02	
Bass	04-Mar-15	0.0711	0.0711	U	0.608	0.02	
Bass	04-Mar-15	0.0766	0.0766	U	0.68	0.02	
Bass	04-Mar-15	0.0762	0.0762	U	0.611	0.02	
Catfish	04-Mar-15	0.11	0.0856	J	0.485	0.02	
Catfish	13-May-15	0.365	0.0899	J	0.163	0.02	J
Catfish	13-May-15	0.285	0.0748	J	0.0815	0.02	J
Catfish	13-May-15	0.649	0.0806	J	0.167	0.02	J
Catfish	13-May-15	0.413	0.0733	J	0.31	0.02	
Catfish	13-May-15	0.453	0.0635	J	0.239	0.02	
Catfish	13-May-15	0.517	0.0778	J	0.181	0.02	J
Panfish	04-Mar-15	0.0851	0.0851	U	0.155	0.02	J
Panfish	04-Mar-15	0.0727	0.0727	U	0.276	0.02	
Panfish	04-Mar-15	0.0735	0.0735	U	0.252	0.02	
Panfish	04-Mar-15	0.0868	0.0868	U	0.685	0.02	
Panfish	04-Mar-15	0.0937	0.0937	U	0.629	0.02	
Panfish	04-Mar-15	0.0721	0.0697	J	0.202	0.02	
Panfish	04-Mar-15	0.068	0.068	U	0.218	0.02	

Table 10 Nonradiological Fish Sampling Results – Lower Three Runs Creek River Mouth (continued)

Fish Type	Collection Date	Nickel			Zinc		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	04-Mar-15	0.181	0.181	U	3.25	0.181	
Bass	04-Mar-15	0.171	0.171	U	4.54	0.171	
Bass	04-Mar-15	0.16	0.16	U	3	0.16	
Bass	04-Mar-15	0.155	0.155	U	4.4	0.155	
Bass	04-Mar-15	0.142	0.142	U	5.93	0.142	
Bass	04-Mar-15	0.153	0.153	U	5.42	0.153	
Bass	04-Mar-15	0.152	0.152	U	3.34	0.152	
Catfish	04-Mar-15	0.171	0.171	U	6.28	0.171	
Catfish	13-May-15	0.18	0.18	U	6.8	0.18	
Catfish	13-May-15	0.15	0.15	U	6.33	0.15	
Catfish	13-May-15	0.161	0.161	U	8.39	0.161	
Catfish	13-May-15	0.147	0.147	U	8.48	0.147	
Catfish	13-May-15	0.127	0.127	U	5.59	0.127	
Catfish	13-May-15	0.156	0.156	U	6.54	0.156	
Panfish	04-Mar-15	0.17	0.17	U	4.81	0.17	
Panfish	04-Mar-15	0.145	0.145	U	4.02	0.145	
Panfish	04-Mar-15	0.147	0.147	U	2.9	0.147	
Panfish	04-Mar-15	0.174	0.174	U	3.16	0.174	
Panfish	04-Mar-15	0.187	0.187	U	5.3	0.187	
Panfish	04-Mar-15	0.139	0.139	U	4.34	0.139	
Panfish	04-Mar-15	0.136	0.136	U	5	0.136	

Table 10 Nonradiological Fish Sampling Results – New Savannah Bluff Lock & Dam

Fish Type	Collection Date	Antimony			Arsenic		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	08-Jul-15	1.15	1.15	U	0.764	0.764	U
Bass	08-Jul-15	1.19	1.19	U	0.797	0.797	U
Bass	08-Jul-15	1.21	1.21	U	0.807	0.807	U
Bass	08-Jul-15	1.06	1.06	U	0.705	0.705	U
Bass	08-Jul-15	1.04	1.04	U	0.691	0.691	U
Bass	08-Jul-15	1.08	1.08	U	0.721	0.721	U
Bass	08-Jul-15	0.933	0.933	U	0.622	0.622	U
Catfish	08-Jul-15	1.15	1.15	U	0.766	0.766	U
Catfish	08-Jul-15	1.09	1.09	U	0.726	0.726	U
Catfish	08-Jul-15	1.17	1.17	U	0.78	0.78	U
Catfish	08-Jul-15	0.967	0.967	U	0.644	0.644	U
Catfish	29-Jul-15	1.18	1.18	U	0.788	0.788	U
Catfish	29-Jul-15	1.17	1.17	U	0.78	0.78	U
Catfish	29-Jul-15	1.15	1.15	U	0.767	0.767	U
Panfish	08-Jul-15	1.24	1.24	U	0.824	0.824	U
Panfish	08-Jul-15	1.24	1.24	U	0.825	0.825	U
Panfish	08-Jul-15	1.11	1.11	U	0.743	0.743	U
Panfish	08-Jul-15	1.23	1.23	U	1.02	0.821	J
Panfish	15-Jul-15	1.19	1.19	U	0.796	0.796	U
Panfish	15-Jul-15	1.21	1.21	U	0.806	0.806	U
Panfish	29-Jul-15	1.37	1.37	U	0.912	0.912	U

Table 10 Nonradiological Fish Sampling Results – New Savannah Bluff Lock & Dam (continued)

Fish Type	Collection Date	Cadmium			Chromium		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	08-Jul-15	0.0764	0.0764	U	1.05	0.0764	
Bass	08-Jul-15	0.0797	0.0797	U	0.102	0.0797	J
Bass	08-Jul-15	0.0807	0.0807	U	0.159	0.0807	J
Bass	08-Jul-15	0.0705	0.0705	U	0.303	0.0705	J
Bass	08-Jul-15	0.0691	0.0691	U	0.0938	0.0691	J
Bass	08-Jul-15	0.0721	0.0721	U	0.0942	0.0721	J
Bass	08-Jul-15	0.0622	0.0622	U	0.0769	0.0622	J
Catfish	08-Jul-15	0.0766	0.0766	U	0.103	0.0766	J
Catfish	08-Jul-15	0.399	0.0726	J	0.0748	0.0726	J
Catfish	08-Jul-15	0.078	0.078	U	0.133	0.078	J
Catfish	08-Jul-15	0.0644	0.0644	U	0.0898	0.0644	J
Catfish	29-Jul-15	0.0788	0.0788	U	0.125	0.0788	J
Catfish	29-Jul-15	0.078	0.078	U	0.078	0.078	U
Catfish	29-Jul-15	0.0767	0.0767	U	0.0767	0.0767	U
Panfish	08-Jul-15	0.0824	0.0824	U	0.0901	0.0824	J
Panfish	08-Jul-15	0.0825	0.0825	U	0.119	0.0825	J
Panfish	08-Jul-15	0.0743	0.0743	U	0.307	0.0743	J
Panfish	08-Jul-15	0.0821	0.0821	U	0.117	0.0821	J
Panfish	15-Jul-15	0.0796	0.0796	U	0.108	0.0796	J
Panfish	15-Jul-15	0.0806	0.0806	U	0.112	0.0806	J
Panfish	29-Jul-15	0.0912	0.0912	U	0.107	0.0912	J

Table 10 Nonradiological Fish Sampling Results – New Savannah Bluff Lock & Dam (continued)

Fish Type	Collection Date	Copper			Lead		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	08-Jul-15	0.153	0.153	U	0.764	0.764	U
Bass	08-Jul-15	0.159	0.159	U	0.797	0.797	U
Bass	08-Jul-15	0.161	0.161	U	0.807	0.807	U
Bass	08-Jul-15	0.141	0.141	U	0.705	0.705	U
Bass	08-Jul-15	0.138	0.138	U	0.691	0.691	U
Bass	08-Jul-15	0.144	0.144	U	0.721	0.721	U
Bass	08-Jul-15	0.227	0.124	J	0.622	0.622	U
Catfish	08-Jul-15	0.153	0.153	U	0.766	0.766	U
Catfish	08-Jul-15	0.145	0.145	U	0.726	0.726	U
Catfish	08-Jul-15	0.291	0.156	J	0.78	0.78	U
Catfish	08-Jul-15	0.129	0.129	U	0.644	0.644	U
Catfish	29-Jul-15	0.495	0.158	J	0.788	0.788	U
Catfish	29-Jul-15	0.574	0.156	J	0.78	0.78	U
Catfish	29-Jul-15	0.214	0.153	J	0.767	0.767	U
Panfish	08-Jul-15	0.165	0.165	U	0.824	0.824	U
Panfish	08-Jul-15	0.165	0.165	U	0.825	0.825	U
Panfish	08-Jul-15	0.149	0.149	U	0.743	0.743	U
Panfish	08-Jul-15	0.164	0.164	U	0.821	0.821	U
Panfish	15-Jul-15	0.159	0.159	U	0.796	0.796	U
Panfish	15-Jul-15	0.161	0.161	U	0.806	0.806	U
Panfish	29-Jul-15	0.182	0.182	U	0.912	0.912	U

Table 10 Nonradiological Fish Sampling Results – New Savannah Bluff Lock & Dam (continued)

Fish Type	Collection Date	Manganese			Mercury		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	08-Jul-15	0.124	0.0764	J	0.613	0.02	
Bass	08-Jul-15	0.0797	0.0797	U	0.383	0.02	
Bass	08-Jul-15	0.0807	0.0807	U	0.598	0.02	
Bass	08-Jul-15	0.0715	0.0705	J	0.426	0.02	
Bass	08-Jul-15	0.0719	0.0691	J	0.453	0.02	
Bass	08-Jul-15	0.0721	0.0721	U	0.603	0.02	
Bass	08-Jul-15	0.0665	0.0622	J	0.273	0.02	
Catfish	08-Jul-15	0.106	0.0766	J	0.218	0.02	
Catfish	08-Jul-15	0.117	0.0726	J	1.18	0.02	
Catfish	08-Jul-15	0.203	0.078	J	0.174	0.02	J
Catfish	08-Jul-15	0.304	0.0644	J	0.161	0.02	J
Catfish	29-Jul-15	0.185	0.0788	J	0.0924	0.02	J
Catfish	29-Jul-15	0.224	0.078	J	0.161	0.02	J
Catfish	29-Jul-15	0.209	0.0767	J	0.0699	0.02	J
Panfish	08-Jul-15	0.0824	0.0824	U	0.061	0.02	J
Panfish	08-Jul-15	0.569	0.0825	J	0.0428	0.02	J
Panfish	08-Jul-15	0.0743	0.0743	U	0.166	0.02	J
Panfish	08-Jul-15	0.226	0.0821	J	0.0954	0.02	J
Panfish	15-Jul-15	0.0796	0.0796	U	0.575	0.02	
Panfish	15-Jul-15	0.0806	0.0806	U	0.177	0.02	J
Panfish	29-Jul-15	0.0912	0.0912	U	0.0557	0.02	J

Table 10 Nonradiological Fish Sampling Results – New Savannah Bluff Lock & Dam (continued)

Fish Type	Collection Date	Nickel			Zinc		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	08-Jul-15	0.153	0.153	U	3.55	0.153	
Bass	08-Jul-15	0.159	0.159	U	4.87	0.159	
Bass	08-Jul-15	0.161	0.161	U	3.43	0.161	
Bass	08-Jul-15	0.141	0.141	U	4	0.141	
Bass	08-Jul-15	0.138	0.138	U	4.18	0.138	
Bass	08-Jul-15	0.144	0.144	U	7.74	0.144	
Bass	08-Jul-15	0.124	0.124	U	4.09	0.124	
Catfish	08-Jul-15	0.153	0.153	U	4.52	0.153	
Catfish	08-Jul-15	0.145	0.145	U	4.21	0.145	
Catfish	08-Jul-15	0.156	0.156	U	5.37	0.156	
Catfish	08-Jul-15	0.129	0.129	U	4.32	0.129	
Catfish	29-Jul-15	0.158	0.158	U	7.24	0.158	
Catfish	29-Jul-15	0.156	0.156	U	7.16	0.156	
Catfish	29-Jul-15	0.153	0.153	U	6.23	0.153	
Panfish	08-Jul-15	0.165	0.165	U	6.42	0.165	
Panfish	08-Jul-15	0.165	0.165	U	5.16	0.165	
Panfish	08-Jul-15	0.149	0.149	U	5.92	0.149	
Panfish	08-Jul-15	0.164	0.164	U	4.54	0.164	
Panfish	15-Jul-15	0.159	0.159	U	6.92	0.159	
Panfish	15-Jul-15	0.161	0.161	U	5.72	0.161	
Panfish	29-Jul-15	0.182	0.182	U	7.39	0.182	

Table 11 Nonradiological Fish Sampling Results – River Mile 0-8

Fish Type	Collection Date	Antimony			Arsenic		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Mullet	11-Feb-15	1.45	1.45	U	0.964	0.964	U
Mullet	11-Feb-15	1.35	1.35	U	0.903	0.903	U
Mullet	11-Feb-15	1.17	1.17	U	0.783	0.783	U
Mullet	11-Feb-15	1.2	1.2	U	0.8	0.8	U
Mullet	11-Feb-15	1.14	1.14	U	0.762	0.762	U
Mullet	11-Feb-15	1.04	1.04	U	0.696	0.696	U
Mullet	11-Feb-15	1.27	1.27	U	0.848	0.848	U
Red Drum	11-Feb-15	1.29	1.29	U	0.859	0.859	U
Red Drum	11-Feb-15	1.39	1.39	U	1.21	0.928	J
Red Drum	11-Feb-15	0.992	0.992	U	0.661	0.661	U
Red Drum	11-Feb-15	1.27	1.27	U	0.849	0.849	U
Red Drum	11-Feb-15	1.25	1.25	U	0.833	0.833	U
Red Drum	11-Mar-15	1.19	1.19	U	0.793	0.793	U
Red Drum	11-Mar-15	0.929	0.929	U	1.05	0.619	J

Table 11 Nonradiological Fish Sampling Results – River Mile 0-8 (continued)

Fish Type	Collection Date	Cadmium			Chromium		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Mullet	11-Feb-15	0.0964	0.0964	U	0.108	0.0964	J
Mullet	11-Feb-15	0.0903	0.0903	U	0.107	0.0903	J
Mullet	11-Feb-15	0.0783	0.0783	U	0.0783	0.0783	U
Mullet	11-Feb-15	0.08	0.08	U	0.0845	0.08	J
Mullet	11-Feb-15	0.0762	0.0762	U	0.095	0.0762	J
Mullet	11-Feb-15	0.0696	0.0696	U	0.0696	0.0696	U
Mullet	11-Feb-15	0.0848	0.0848	U	0.0848	0.0848	U
Red Drum	11-Feb-15	0.0859	0.0859	U	0.126	0.0859	J
Red Drum	11-Feb-15	0.0928	0.0928	U	0.106	0.0928	J
Red Drum	11-Feb-15	0.0661	0.0661	U	0.0983	0.0661	J
Red Drum	11-Feb-15	0.0849	0.0849	U	0.0907	0.0849	J
Red Drum	11-Feb-15	0.0833	0.0833	U	0.0833	0.0833	U
Red Drum	11-Mar-15	0.0793	0.0793	U	0.128	0.0793	J
Red Drum	11-Mar-15	0.0619	0.0619	U	0.0766	0.0619	J

Table 11 Nonradiological Fish Sampling Results – River Mile 0-8 (continued)

Fish Type	Collection Date	Copper			Lead		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Mullet	11-Feb-15	0.484	0.193	J	0.964	0.964	U
Mullet	11-Feb-15	0.46	0.181	J	0.903	0.903	U
Mullet	11-Feb-15	0.324	0.157	J	0.783	0.783	U
Mullet	11-Feb-15	0.308	0.16	J	0.8	0.8	U
Mullet	11-Feb-15	0.269	0.152	J	0.762	0.762	U
Mullet	11-Feb-15	0.239	0.139	J	0.696	0.696	U
Mullet	11-Feb-15	0.418	0.17	J	0.848	0.848	U
Red Drum	11-Feb-15	0.263	0.172	J	0.859	0.859	U
Red Drum	11-Feb-15	0.268	0.186	J	0.928	0.928	U
Red Drum	11-Feb-15	0.276	0.132	J	0.661	0.661	U
Red Drum	11-Feb-15	0.221	0.17	J	0.849	0.849	U
Red Drum	11-Feb-15	0.278	0.167	J	0.833	0.833	U
Red Drum	11-Mar-15	0.233	0.159	J	0.793	0.793	U
Red Drum	11-Mar-15	0.17	0.124	J	0.619	0.619	U

Table 11 Nonradiological Fish Sampling Results – River Mile 0-8 (continued)

Fish Type	Collection Date	Manganese			Mercury		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Mullet	11-Feb-15	0.132	0.0964	J	0.2	0.02	U
Mullet	11-Feb-15	0.168	0.0903	J	0.2	0.02	U
Mullet	11-Feb-15	0.0783	0.0783	U	0.0226	0.02	J
Mullet	11-Feb-15	0.08	0.08	U	0.2	0.02	U
Mullet	11-Feb-15	0.0845	0.0762	J	0.2	0.02	U
Mullet	11-Feb-15	0.0696	0.0696	U	0.2	0.02	U
Mullet	11-Feb-15	0.0848	0.0848	U	0.0201	0.02	J
Red Drum	11-Feb-15	0.119	0.0859	J	0.0988	0.02	J
Red Drum	11-Feb-15	0.159	0.0928	J	0.0734	0.02	J
Red Drum	11-Feb-15	0.159	0.0661	J	0.0762	0.02	J
Red Drum	11-Feb-15	0.222	0.0849	J	0.0762	0.02	J
Red Drum	11-Feb-15	0.0846	0.0833	J	0.0971	0.02	J
Red Drum	11-Mar-15	0.0846	0.0793	J	0.0982	0.02	J
Red Drum	11-Mar-15	0.0619	0.0619	U	0.115	0.02	J

Table 11 Nonradiological Fish Sampling Results – River Mile 0-8 (continued)

Fish Type	Collection Date	Nickel			Zinc		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Mullet	11-Feb-15	0.193	0.193	U	6.17	0.193	
Mullet	11-Feb-15	0.181	0.181	U	3.46	0.181	
Mullet	11-Feb-15	0.157	0.157	U	2.73	0.157	
Mullet	11-Feb-15	0.16	0.16	U	2.98	0.16	
Mullet	11-Feb-15	0.152	0.152	U	3.09	0.152	
Mullet	11-Feb-15	0.139	0.139	U	2.78	0.139	
Mullet	11-Feb-15	0.17	0.17	U	3.42	0.17	
Red Drum	11-Feb-15	0.172	0.172	U	5.4	0.172	
Red Drum	11-Feb-15	0.186	0.186	U	4.1	0.186	
Red Drum	11-Feb-15	0.132	0.132	U	4.38	0.132	
Red Drum	11-Feb-15	0.17	0.17	U	3.89	0.17	
Red Drum	11-Feb-15	0.167	0.167	U	3.79	0.167	
Red Drum	11-Mar-15	0.159	0.159	U	4.27	0.159	
Red Drum	11-Mar-15	0.124	0.124	U	3.47	0.124	

Table 12 Nonradiological Fish Sampling Results – Steel Creek River Mouth

Fish Type	Collection Date	Antimony			Arsenic		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	03-Jun-15	1.08	1.08	U	0.717	0.717	U
Bass	03-Jun-15	0.814	0.814	U	0.542	0.542	U
Bass	03-Jun-15	1.08	1.08	U	0.723	0.723	U
Bass	03-Jun-15	1.05	1.05	U	0.701	0.701	U
Bass	03-Jun-15	1.09	1.09	U	0.725	0.725	U
Bass	03-Jun-15	1.18	1.18	U	0.786	0.786	U
Bass	03-Jun-15	1.24	1.24	U	0.83	0.83	U
Catfish	03-Jun-15	1.23	1.23	U	0.823	0.823	U
Catfish	03-Jun-15	1.11	1.11	U	0.742	0.742	U
Catfish	03-Jun-15	1.05	1.05	U	0.698	0.698	U
Catfish	03-Jun-15	1.06	1.06	U	0.705	0.705	U
Catfish	03-Jun-15	1.37	1.37	U	0.915	0.915	U
Catfish	03-Jun-15	1.1	1.1	U	0.73	0.73	U
Catfish	03-Jun-15	1.06	1.06	U	0.707	0.707	U
Panfish	03-Jun-15	1.01	1.01	U	0.674	0.674	U
Panfish	03-Jun-15	1.04	1.04	U	0.696	0.696	U
Panfish	03-Jun-15	1	1	U	0.669	0.669	U
Panfish	03-Jun-15	1.14	1.14	U	0.757	0.757	U
Panfish	03-Jun-15	1.13	1.13	U	0.75	0.75	U
Panfish	03-Jun-15	1.18	1.18	U	0.785	0.785	U
Panfish	03-Jun-15	0.997	0.997	U	0.665	0.665	U

Table 12 Nonradiological Fish Sampling Results – Steel Creek River Mouth (continued)

Fish Type	Collection Date	Cadmium			Chromium		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	03-Jun-15	0.0717	0.0717	U	1.07	0.0717	
Bass	03-Jun-15	0.0542	0.0542	U	0.08	0.0542	J
Bass	03-Jun-15	0.0723	0.0723	U	0.214	0.0723	J
Bass	03-Jun-15	0.0701	0.0701	U	0.162	0.0701	J
Bass	03-Jun-15	0.0725	0.0725	U	0.0959	0.0725	J
Bass	03-Jun-15	0.0786	0.0786	U	0.0786	0.0786	U
Bass	03-Jun-15	0.083	0.083	U	0.083	0.083	U
Catfish	03-Jun-15	0.0823	0.0823	U	0.0823	0.0823	U
Catfish	03-Jun-15	0.0742	0.0742	U	0.106	0.0742	J
Catfish	03-Jun-15	0.0698	0.0698	U	0.0698	0.0698	U
Catfish	03-Jun-15	0.0705	0.0705	U	0.125	0.0705	J
Catfish	03-Jun-15	0.0915	0.0915	U	0.0915	0.0915	U
Catfish	03-Jun-15	0.073	0.073	U	0.0753	0.073	J
Catfish	03-Jun-15	0.0707	0.0707	U	0.0759	0.0707	J
Panfish	03-Jun-15	0.0674	0.0674	U	0.0674	0.0674	U
Panfish	03-Jun-15	0.0696	0.0696	U	0.0725	0.0696	J
Panfish	03-Jun-15	0.0669	0.0669	U	0.0811	0.0669	J
Panfish	03-Jun-15	0.0757	0.0757	U	0.0853	0.0757	J
Panfish	03-Jun-15	0.075	0.075	U	0.097	0.075	J
Panfish	03-Jun-15	0.0785	0.0785	U	0.106	0.0785	J
Panfish	03-Jun-15	0.0665	0.0665	U	0.076	0.0665	J

Table 12 Nonradiological Fish Sampling Results – Steel Creek River Mouth (continued)

Fish Type	Collection Date	Copper			Lead		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	03-Jun-15	0.207	0.143	J	0.717	0.717	U
Bass	03-Jun-15	0.108	0.108	U	0.542	0.542	U
Bass	03-Jun-15	0.187	0.145	J	0.723	0.723	U
Bass	03-Jun-15	0.293	0.14	J	0.701	0.701	U
Bass	03-Jun-15	0.182	0.145	J	0.725	0.725	U
Bass	03-Jun-15	0.157	0.157	U	0.786	0.786	U
Bass	03-Jun-15	0.166	0.166	U	0.83	0.83	U
Catfish	03-Jun-15	0.165	0.165	U	0.823	0.823	U
Catfish	03-Jun-15	0.148	0.148	U	0.742	0.742	U
Catfish	03-Jun-15	0.617	0.14	J	0.698	0.698	U
Catfish	03-Jun-15	0.172	0.141	J	0.705	0.705	U
Catfish	03-Jun-15	0.183	0.183	U	0.915	0.915	U
Catfish	03-Jun-15	0.146	0.146	U	0.73	0.73	U
Catfish	03-Jun-15	0.469	0.141	J	0.707	0.707	U
Panfish	03-Jun-15	0.135	0.135	U	0.674	0.674	U
Panfish	03-Jun-15	0.139	0.139	U	0.696	0.696	U
Panfish	03-Jun-15	0.134	0.134	U	0.669	0.669	U
Panfish	03-Jun-15	0.151	0.151	U	0.757	0.757	U
Panfish	03-Jun-15	0.15	0.15	U	0.75	0.75	U
Panfish	03-Jun-15	0.157	0.157	U	0.785	0.785	U
Panfish	03-Jun-15	0.246	0.133	J	0.665	0.665	U

Table 12 Nonradiological Fish Sampling Results – Steel Creek River Mouth (continued)

Fish Type	Collection Date	Manganese			Mercury		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	03-Jun-15	0.305	0.0717	J	0.843	0.02	
Bass	03-Jun-15	0.201	0.0542	J	0.955	0.02	
Bass	03-Jun-15	0.595	0.0723	J	0.712	0.02	
Bass	03-Jun-15	0.177	0.0701	J	0.618	0.02	
Bass	03-Jun-15	0.331	0.0725	J	1.04	0.02	
Bass	03-Jun-15	0.655	0.0786	J	1.04	0.02	
Bass	03-Jun-15	0.122	0.083	J	0.671	0.02	
Catfish	03-Jun-15	0.741	0.0823	J	0.333	0.02	
Catfish	03-Jun-15	0.194	0.0742	J	0.241	0.02	
Catfish	03-Jun-15	0.3	0.0698	J	0.267	0.02	
Catfish	03-Jun-15	0.294	0.0705	J	0.11	0.02	J
Catfish	03-Jun-15	0.176	0.0915	J	0.354	0.02	
Catfish	03-Jun-15	0.171	0.073	J	0.169	0.02	J
Catfish	03-Jun-15	0.182	0.0707	J	0.213	0.02	
Panfish	03-Jun-15	0.0868	0.0674	J	0.182	0.02	J
Panfish	03-Jun-15	0.239	0.0696	J	0.376	0.02	
Panfish	03-Jun-15	0.18	0.0669	J	0.332	0.02	
Panfish	03-Jun-15	0.15	0.0757	J	0.24	0.02	
Panfish	03-Jun-15	0.117	0.075	J	0.178	0.02	J
Panfish	03-Jun-15	0.805	0.0785		0.488	0.02	
Panfish	03-Jun-15	0.14	0.0665	J	0.25	0.02	

Table 12 Nonradiological Fish Sampling Results – Steel Creek River Mouth (continued)

Fish Type	Collection Date	Nickel			Zinc		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	03-Jun-15	0.143	0.143	U	4.18	0.143	
Bass	03-Jun-15	0.108	0.108	U	4	0.108	
Bass	03-Jun-15	0.145	0.145	U	4.9	0.145	
Bass	03-Jun-15	0.14	0.14	U	5.54	0.14	
Bass	03-Jun-15	0.145	0.145	U	4.3	0.145	
Bass	03-Jun-15	0.157	0.157	U	4.15	0.157	
Bass	03-Jun-15	0.166	0.166	U	3.85	0.166	
Catfish	03-Jun-15	0.165	0.165	U	5.04	0.165	
Catfish	03-Jun-15	0.148	0.148	U	5.17	0.148	
Catfish	03-Jun-15	0.14	0.14	U	5.68	0.14	
Catfish	03-Jun-15	0.141	0.141	U	9.66	0.141	
Catfish	03-Jun-15	0.183	0.183	U	5.98	0.183	
Catfish	03-Jun-15	0.146	0.146	U	5.41	0.146	
Catfish	03-Jun-15	0.141	0.141	U	7.13	0.141	
Panfish	03-Jun-15	0.135	0.135	U	9.83	0.135	
Panfish	03-Jun-15	0.139	0.139	U	6.83	0.139	
Panfish	03-Jun-15	0.134	0.134	U	6.98	0.134	
Panfish	03-Jun-15	0.151	0.151	U	9.48	0.151	
Panfish	03-Jun-15	0.15	0.15	U	5.92	0.15	
Panfish	03-Jun-15	0.157	0.157	U	6.85	0.157	
Panfish	03-Jun-15	0.133	0.133	U	7.56	0.133	

Table 13 Nonradiological Fish Sampling Results – Upper Three Runs Creek River Mouth

Fish Type	Collection Date	Antimony			Arsenic		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	18-Mar-15	1.15	1.15	U	0.769	0.769	U
Bass	25-Mar-15	1.15	1.15	U	0.765	0.765	U
Bass	15-Apr-15	1.32	1.32	U	0.877	0.877	U
Bass	22-Apr-15	1.21	1.21	U	0.805	0.805	U
Bass	22-Apr-15	1.04	1.04	U	0.696	0.696	U
Bass	22-Apr-15	1.19	1.19	U	0.791	0.791	U
Bass	22-Apr-15	1.43	1.43	U	0.955	0.955	U
Catfish	25-Mar-15	1.34	1.34	U	0.895	0.895	U
Catfish	25-Mar-15	1.34	1.34	U	0.892	0.892	U
Catfish	25-Mar-15	1.37	1.37	U	0.915	0.915	U
Catfish	25-Mar-15	1.36	1.36	U	0.906	0.906	U
Catfish	25-Mar-15	1.27	1.27	U	0.847	0.847	U
Catfish	22-Apr-15	1.39	1.39	U	0.925	0.925	U
Catfish	22-Apr-15	1.06	1.06	U	0.706	0.706	U
Panfish	18-Mar-15	1.1	1.1	U	0.736	0.736	U
Panfish	18-Mar-15	1.28	1.28	U	0.855	0.855	U
Panfish	25-Mar-15	1.23	1.23	U	0.823	0.823	U
Panfish	22-Apr-15	1.2	1.2	U	0.802	0.802	U
Panfish	22-Apr-15	1.29	1.29	U	0.86	0.86	U
Panfish	22-Apr-15	1.29	1.29	U	0.858	0.858	U
Panfish	22-Apr-15	1.05	1.05	U	0.699	0.699	U

Table 13 Nonradiological Fish Sampling Results – Upper Three Runs Creek River Mouth (continued)

Fish Type	Collection Date	Cadmium			Chromium		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	18-Mar-15	0.0769	0.0769	U	0.0769	0.0769	U
Bass	25-Mar-15	0.0765	0.0765	U	0.122	0.0765	J
Bass	15-Apr-15	0.0877	0.0877	U	0.103	0.0877	J
Bass	22-Apr-15	0.0805	0.0805	U	0.134	0.0805	J
Bass	22-Apr-15	0.0696	0.0696	U	0.103	0.0696	J
Bass	22-Apr-15	0.0791	0.0791	U	0.148	0.0791	J
Bass	22-Apr-15	0.0955	0.0955	U	0.147	0.0955	J
Catfish	25-Mar-15	0.0895	0.0895	U	0.157	0.0895	J
Catfish	25-Mar-15	0.0892	0.0892	U	0.117	0.0892	J
Catfish	25-Mar-15	0.0915	0.0915	U	0.124	0.0915	J
Catfish	25-Mar-15	0.0906	0.0906	U	0.123	0.0906	J
Catfish	25-Mar-15	0.0847	0.0847	U	0.123	0.0847	J
Catfish	22-Apr-15	0.0925	0.0925	U	0.406	0.0925	J
Catfish	22-Apr-15	0.0706	0.0706	U	0.184	0.0706	J
Panfish	18-Mar-15	0.0736	0.0736	U	0.0928	0.0736	J
Panfish	18-Mar-15	0.0855	0.0855	U	0.109	0.0855	J
Panfish	25-Mar-15	0.0823	0.0823	U	0.129	0.0823	J
Panfish	22-Apr-15	0.0802	0.0802	U	0.11	0.0802	J
Panfish	22-Apr-15	0.086	0.086	U	0.102	0.086	J
Panfish	22-Apr-15	0.0858	0.0858	U	0.089	0.0858	J
Panfish	22-Apr-15	0.0699	0.0699	U	0.115	0.0699	J

Table 13 Nonradiological Fish Sampling Results – Upper Three Runs Creek River Mouth (continued)

Fish Type	Collection Date	Copper			Lead		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	18-Mar-15	0.154	0.154	U	0.769	0.769	U
Bass	25-Mar-15	0.238	0.153	J	0.765	0.765	U
Bass	15-Apr-15	0.335	0.175	J	0.877	0.877	U
Bass	22-Apr-15	0.283	0.161	J	0.805	0.805	U
Bass	22-Apr-15	0.358	0.139	J	0.696	0.696	U
Bass	22-Apr-15	0.268	0.158	J	0.791	0.791	U
Bass	22-Apr-15	0.22	0.191	J	0.955	0.955	U
Catfish	25-Mar-15	0.242	0.179	J	0.895	0.895	U
Catfish	25-Mar-15	0.338	0.178	J	0.892	0.892	U
Catfish	25-Mar-15	0.35	0.183	J	0.915	0.915	U
Catfish	25-Mar-15	0.337	0.181	J	0.906	0.906	U
Catfish	25-Mar-15	0.508	0.169	J	0.847	0.847	U
Catfish	22-Apr-15	0.266	0.185	J	0.925	0.925	U
Catfish	22-Apr-15	0.393	0.141	J	0.706	0.706	U
Panfish	18-Mar-15	0.203	0.147	J	0.736	0.736	U
Panfish	18-Mar-15	0.171	0.171	U	0.855	0.855	U
Panfish	25-Mar-15	0.237	0.165	J	0.823	0.823	U
Panfish	22-Apr-15	0.211	0.16	J	0.802	0.802	U
Panfish	22-Apr-15	0.235	0.172	J	0.86	0.86	U
Panfish	22-Apr-15	0.222	0.172	J	0.858	0.858	U
Panfish	22-Apr-15	0.243	0.14	J	0.699	0.699	U

Table 13 Nonradiological Fish Sampling Results – Upper Three Runs Creek River Mouth (continued)

Fish Type	Collection Date	Manganese			Mercury		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	18-Mar-15	0.0769	0.0769	U	0.515	0.02	
Bass	25-Mar-15	0.0765	0.0765	U	0.924	0.02	
Bass	15-Apr-15	0.0877	0.0877	U	0.537	0.02	
Bass	22-Apr-15	0.0805	0.0805	U	0.777	0.02	
Bass	22-Apr-15	0.0892	0.0696	J	0.511	0.02	
Bass	22-Apr-15	0.0791	0.0791	U	0.39	0.02	
Bass	22-Apr-15	0.0955	0.0955	U	0.262	0.02	
Catfish	25-Mar-15	0.15	0.0895	J	0.266	0.02	
Catfish	25-Mar-15	0.177	0.0892	J	0.23	0.02	
Catfish	25-Mar-15	0.297	0.0915	J	0.155	0.02	J
Catfish	25-Mar-15	0.149	0.0906	J	0.258	0.02	
Catfish	25-Mar-15	0.209	0.0847	J	0.2	0.02	U
Catfish	22-Apr-15	0.288	0.0925	J	0.211	0.02	
Catfish	22-Apr-15	0.301	0.0706	J	0.191	0.02	J
Panfish	18-Mar-15	0.0736	0.0736	U	0.134	0.02	J
Panfish	18-Mar-15	0.0855	0.0855	U	0.0578	0.02	J
Panfish	25-Mar-15	0.0823	0.0823	U	0.0589	0.02	J
Panfish	22-Apr-15	0.165	0.0802	J	0.546	0.02	
Panfish	22-Apr-15	0.199	0.086	J	0.0468	0.02	J
Panfish	22-Apr-15	0.445	0.0858	J	0.129	0.02	J
Panfish	22-Apr-15	0.471	0.0699	J	0.0622	0.02	J

Table 13 Nonradiological Fish Sampling Results – Upper Three Runs Creek River Mouth (continued)

Fish Type	Collection Date	Nickel			Zinc		
		Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier	Result (ug/g)	Detection Limit (ug/g)	Lab Qualifier
Bass	18-Mar-15	0.154	0.154	U	3.25	0.154	
Bass	25-Mar-15	0.153	0.153	U	4.83	0.153	
Bass	15-Apr-15	0.175	0.175	U	4.59	0.175	
Bass	22-Apr-15	0.161	0.161	U	4.43	0.161	
Bass	22-Apr-15	0.207	0.139	J	4.55	0.139	
Bass	22-Apr-15	0.172	0.158	J	4.48	0.158	
Bass	22-Apr-15	0.231	0.191	J	4.62	0.191	
Catfish	25-Mar-15	0.179	0.179	U	6.7	0.179	
Catfish	25-Mar-15	0.178	0.178	U	5.63	0.178	
Catfish	25-Mar-15	0.183	0.183	U	5.32	0.183	
Catfish	25-Mar-15	0.292	0.181	J	7.34	0.181	
Catfish	25-Mar-15	0.177	0.169	J	7.15	0.169	
Catfish	22-Apr-15	0.185	0.185	U	7.37	0.185	
Catfish	22-Apr-15	0.178	0.141	J	5.78	0.141	
Panfish	18-Mar-15	0.147	0.147	U	5.12	0.147	
Panfish	18-Mar-15	0.171	0.171	U	5.84	0.171	
Panfish	25-Mar-15	0.165	0.165	U	5.63	0.165	
Panfish	22-Apr-15	0.16	0.16	U	4.99	0.16	
Panfish	22-Apr-15	0.172	0.172	U	6.62	0.172	
Panfish	22-Apr-15	0.172	0.172	U	5.12	0.172	
Panfish	22-Apr-15	0.154	0.14	J	5.99	0.14	

Table 14 Radioactivity in Air Emission Samples

Location	Sample Date	Co-60			Cs-137		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
210-Z Building Stack	11-Feb-15	1.79E-02	4.19E-02	No	2.58E-02	3.99E-02	No
	19-May-15	6.54E-02	5.04E-02	No	3.78E-02	4.67E-02	No
	12-Aug-15	-1.67E-02	4.45E-02	No	6.59E-02	4.49E-02	No
	18-Nov-15	-1.05E-01	5.06E-02	No	3.41E-03	8.12E-02	No
221-S Personnel Area (Zone 2)	2-Feb-15	5.84E-03	4.15E-02	No	-9.38E-02	5.38E-02	No
	20-Apr-15	4.22E-02	4.77E-02	No	2.92E-02	5.46E-02	No
	3-Aug-15	1.39E-02	4.59E-02	No	1.12E-02	5.11E-02	No
	19-Oct-15	2.70E-02	3.64E-02	No	-6.46E-02	4.92E-02	No
235-F Sandfilter Discharge	6-Jan-15	2.64E-04	1.94E-03	No	6.38E-05	2.38E-03	No
	13-Jan-15	5.73E-04	2.64E-03	No	-2.70E-03	2.34E-03	No
	20-Jan-15	-1.05E-03	2.14E-03	No	-4.19E-03	2.68E-03	No
	27-Jan-15	-3.32E-03	2.26E-03	No	3.46E-05	2.17E-03	No
	3-Feb-15	-1.64E-03	1.89E-03	No	-7.16E-04	2.32E-03	No
	10-Feb-15	-6.95E-04	1.98E-03	No	-4.68E-05	1.97E-03	No
	17-Feb-15	-2.76E-03	2.03E-03	No	-5.76E-03	2.27E-03	No
	24-Feb-15	1.66E-04	2.34E-03	No	1.37E-03	2.37E-03	No
	3-Mar-15	1.61E-03	1.85E-03	No	-1.26E-03	2.15E-03	No
	10-Mar-15	-2.95E-04	1.67E-03	No	7.41E-04	2.32E-03	No
	17-Mar-15	2.23E-03	2.03E-03	No	-2.92E-03	2.49E-03	No
	24-Mar-15	2.92E-04	2.09E-03	No	1.71E-03	2.46E-03	No
	31-Mar-15	1.98E-03	2.34E-03	No	-1.19E-04	2.31E-03	No
	7-Apr-15	1.29E-03	1.64E-03	No	-5.97E-04	2.11E-03	No
	14-Apr-15	-1.87E-03	2.09E-03	No	1.67E-03	2.55E-03	No
	21-Apr-15	-1.03E-03	2.65E-03	No	-2.76E-04	2.42E-03	No
	28-Apr-15	-1.97E-03	2.15E-03	No	8.03E-04	2.57E-03	No
	5-May-15	3.68E-04	2.00E-03	No	3.30E-04	2.14E-03	No
	12-May-15	-1.58E-03	2.23E-03	No	-2.76E-03	2.31E-03	No
	19-May-15	-6.84E-04	2.30E-03	No	1.76E-03	2.30E-03	No
	26-May-15	-3.65E-04	2.57E-03	No	-2.56E-03	2.72E-03	No
	2-Jun-15	-2.60E-03	1.83E-03	No	-1.40E-03	2.70E-03	No
	9-Jun-15	-1.32E-03	1.83E-03	No	2.55E-04	2.44E-03	No
	16-Jun-15	-1.36E-03	1.80E-03	No	-4.41E-03	2.03E-03	No
	23-Jun-15	1.90E-03	2.14E-03	No	3.03E-03	2.36E-03	No
	30-Jun-15	9.08E-05	2.11E-03	No	5.41E-04	1.92E-03	No
	7-Jul-15	2.28E-03	1.91E-03	No	-9.65E-04	2.52E-03	No
	14-Jul-15	3.35E-03	2.06E-03	No	-1.49E-03	2.68E-03	No
	21-Jul-15	-7.05E-04	2.01E-03	No	-9.08E-04	2.31E-03	No
	28-Jul-15	-5.38E-04	1.47E-03	No	2.10E-03	2.42E-03	No
	4-Aug-15	1.85E-03	2.19E-03	No	1.41E-03	2.05E-03	No
	11-Aug-15	-2.70E-03	1.99E-03	No	7.35E-04	2.31E-03	No

Location	Sample Date	Co-60			Cs-137		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
235-F Sandfilter Discharge	18-Aug-15	1.59E-03	2.59E-03	No	1.97E-03	2.25E-03	No
	25-Aug-15	-2.73E-04	2.39E-03	No	-5.38E-04	2.09E-03	No
	1-Sep-15	-3.46E-04	1.54E-03	No	-6.65E-04	2.15E-03	No
	8-Sep-15	1.50E-03	2.40E-03	No	-6.00E-04	2.34E-03	No
	15-Sep-15	1.75E-03	1.83E-03	No	-1.99E-03	2.26E-03	No
	22-Sep-15	-1.77E-03	2.18E-03	No	-7.43E-04	2.16E-03	No
	29-Sep-15	-3.41E-04	1.66E-03	No	2.86E-03	2.29E-03	No
	6-Oct-15	3.97E-04	2.00E-03	No	2.95E-03	2.20E-03	No
	13-Oct-15	4.49E-05	1.72E-03	No	1.32E-03	2.12E-03	No
	20-Oct-15	-6.19E-04	2.52E-03	No	2.51E-03	2.31E-03	No
	27-Oct-15	1.06E-03	2.00E-03	No	1.42E-03	2.07E-03	No
	3-Nov-15	5.57E-03	2.10E-03	No	2.32E-03	2.35E-03	No
	10-Nov-15	1.31E-03	2.03E-03	No	4.95E-04	2.24E-03	No
	17-Nov-15	-1.08E-03	2.19E-03	No	-1.42E-03	1.94E-03	No
	24-Nov-15	2.61E-03	2.08E-03	No	-2.35E-03	2.06E-03	No
	1-Dec-15	-3.32E-04	2.05E-03	No	-3.46E-03	2.02E-03	No
	8-Dec-15	1.51E-03	1.03E-03	No	-1.87E-03	1.97E-03	No
	15-Dec-15	-8.16E-05	2.18E-03	No	3.95E-04	2.45E-03	No
	22-Dec-15	1.80E-03	2.09E-03	No	2.68E-03	2.12E-03	No
	29-Dec-15	1.99E-05	2.12E-03	No	-1.91E-03	2.74E-03	No
241-278H Caustic Extraction	12-Mar-15	-1.87E-03	3.74E-03	No	1.09E-01	1.28E-02	Yes
	10-Sep-15	-4.00E-03	3.46E-03	No	5.08E-03	4.35E-03	No
241-2H Mercury Stack	12-Mar-15	-7.49E-04	2.99E-03	No	-1.47E-04	2.92E-03	No
	10-Sep-15	2.69E-03	2.68E-03	No	2.92E-03	2.92E-03	No
241-81H ETP Process Stack	21-Dec-15	-5.97E-03	4.01E-03	No	4.14E-03	3.88E-03	No
241-84H ETP Lab Stack	21-Dec-15	-1.03E-06	4.13E-03	No	6.81E-04	4.74E-03	No
241-H TK 30 Purge Ex. HTNKE023	3-Nov-15	-5.57E-04	3.40E-03	No	2.70E+01	1.74E+00	Yes
	3-Dec-15	-4.73E-03	4.42E-03	No	1.19E+00	8.31E-02	Yes
241-H TK 32 Purge Ex. HTNKE027	13-Nov-15	-1.11E-02	2.67E-02	No	2.05E+02	1.32E+01	Yes
	3-Dec-15	6.16E-03	3.22E-03	No	1.38E-02	4.52E-03	No
250-S Glass Waste Bldg #1488	26-May-15	-3.27E-02	3.24E-02	No	4.62E-02	6.64E-02	No
250-S Glass Waste Bldg #1509	2-Jun-15	-7.32E-02	5.51E-02	No	-3.14E-02	5.28E-02	No
250-S Glass Waste Bldg #3928	11-May-15	5.92E-02	4.24E-02	No	5.35E-02	5.56E-02	No
250-S Glass Waste Bldg #3940	18-May-15	-9.19E-02	5.08E-02	No	-3.11E-02	4.73E-02	No

Location	Sample Date	Co-60			Cs-137		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
251-S Glass Waste Bldg2 Vault A	2-Jun-15	-8.49E-04	2.42E-03	No	2.31E-03	3.02E-03	No
251-S Glass Waste Bldg2 Vault B	26-May-15	3.68E-03	2.22E-03	No	6.14E-04	2.29E-03	No
251-S Glass Waste Bldg2 Vault C	18-May-15	-4.97E-05	2.43E-03	No	5.03E-03	2.39E-03	No
251-S Glass Waste Bldg2 Vault D	11-May-15	2.92E-03	2.77E-03	No	3.19E-04	3.06E-03	No
264-H Stack	10-Jan-15	2.27E-04	2.01E-03	No	1.60E-03	2.68E-03	No
	17-Jan-15	-1.42E-03	2.63E-03	No	9.00E-04	3.00E-03	No
	24-Jan-15	3.19E-03	2.82E-03	No	-6.95E-04	2.99E-03	No
	31-Jan-15	-4.65E-03	2.96E-03	No	-1.62E-03	3.44E-03	No
	7-Feb-15	-3.57E-03	3.17E-03	No	6.70E-04	3.21E-03	No
	14-Feb-15	-3.08E-03	3.57E-03	No	1.48E-03	3.47E-03	No
	21-Feb-15	2.09E-03	2.18E-03	No	-8.86E-04	3.48E-03	No
	28-Feb-15	7.35E-04	2.62E-03	No	9.43E-04	2.96E-03	No
	7-Mar-15	-2.59E-03	2.76E-03	No	2.92E-03	2.95E-03	No
	14-Mar-15	-2.31E-03	3.31E-03	No	-1.15E-03	3.14E-03	No
	21-Mar-15	1.30E-03	2.30E-03	No	-5.32E-03	2.78E-03	No
	28-Mar-15	2.27E-03	3.00E-03	No	2.31E-03	3.17E-03	No
	4-Apr-15	-3.89E-03	2.83E-03	No	1.71E-03	2.99E-03	No
	11-Apr-15	-2.95E-03	2.04E-03	No	-6.65E-03	2.92E-03	No
	18-Apr-15	3.32E-03	2.76E-03	No	-6.57E-04	3.61E-03	No
	25-Apr-15	3.41E-03	3.47E-03	No	-1.77E-03	2.69E-03	No
	2-May-15	4.14E-03	2.68E-03	No	-4.57E-03	3.36E-03	No
	9-May-15	3.00E-03	3.07E-03	No	-2.40E-03	3.65E-03	No
	16-May-15	-2.50E-03	2.82E-03	No	2.47E-03	3.23E-03	No
	23-May-15	4.43E-03	2.94E-03	No	3.03E-03	2.83E-03	No
	30-May-15	-8.03E-03	3.79E-03	No	1.30E-04	3.30E-03	No
	6-Jun-15	4.49E-03	3.14E-03	No	5.38E-03	3.54E-03	No
	13-Jun-15	-8.59E-04	3.09E-03	No	-1.51E-03	3.32E-03	No
	20-Jun-15	3.11E-03	2.63E-03	No	4.86E-03	3.55E-03	No
	27-Jun-15	-5.11E-05	2.96E-03	No	-2.24E-03	3.30E-03	No
	4-Jul-15	-3.00E-03	1.61E-03	No	1.38E-03	3.19E-03	No
	11-Jul-15	-1.73E-03	2.20E-03	No	-5.03E-04	3.03E-03	No
	18-Jul-15	-1.52E-03	2.81E-03	No	-7.11E-04	2.91E-03	No
	25-Jul-15	5.95E-03	4.22E-03	No	-2.00E-03	3.13E-03	No
	1-Aug-15	4.41E-04	2.74E-03	No	-5.11E-03	3.44E-03	No
	8-Aug-15	1.76E-03	2.50E-03	No	-3.65E-03	3.34E-03	No
	15-Aug-15	1.60E-03	2.96E-03	No	-1.33E-03	3.44E-03	No
	22-Aug-15	2.36E-03	3.90E-03	No	3.03E-03	3.65E-03	No

Location	Sample Date	Co-60			Cs-137		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
264-H Stack	29-Aug-15	3.81E-03	3.07E-03	No	5.35E-03	3.42E-03	No
	5-Sep-15	1.11E-03	2.48E-03	No	5.08E-03	2.61E-03	No
	12-Sep-15	-8.73E-04	2.80E-03	No	-6.08E-03	3.16E-03	No
	19-Sep-15	2.97E-03	3.68E-03	No	-3.24E-04	3.19E-03	No
	26-Sep-15	-4.46E-03	2.77E-03	No	-2.28E-03	2.60E-03	No
	2-Oct-15	1.28E-03	3.30E-03	No	-1.21E-04	3.42E-03	No
	10-Oct-15	-2.02E-03	2.33E-03	No	-1.05E-03	2.33E-03	No
	17-Oct-15	-2.73E-03	2.28E-03	No	2.08E-03	3.33E-03	No
	24-Oct-15	2.60E-03	3.05E-03	No	4.76E-04	2.81E-03	No
	31-Oct-15	-2.70E-03	2.94E-03	No	7.68E-04	2.80E-03	No
	7-Nov-15	-1.87E-03	3.57E-03	No	3.30E-03	3.78E-03	No
	14-Nov-15	-1.76E-03	2.51E-03	No	-1.09E-03	2.96E-03	No
	21-Nov-15	3.76E-03	3.33E-03	No	2.08E-03	3.15E-03	No
	28-Nov-15	2.65E-03	2.02E-03	No	1.22E-03	3.28E-03	No
	5-Dec-15	-4.00E-03	3.06E-03	No	6.46E-04	2.94E-03	No
	12-Dec-15	2.92E-03	3.57E-03	No	-1.91E-03	3.09E-03	No
	19-Dec-15	-1.59E-04	2.85E-03	No	-9.73E-04	3.33E-03	No
	26-Dec-15	6.41E-03	2.78E-03	No	-2.13E-03	3.17E-03	No
	2-Jan-16	2.61E-03	2.72E-03	No	-1.02E-03	3.24E-03	No
291-F Stack Isokinetic	5-Jan-15	1.51E-02	9.28E-03	No	2.65E-02	1.09E-02	No
	12-Jan-15	-5.43E-03	7.13E-03	No	4.14E-03	9.78E-03	No
	19-Jan-15	6.70E-03	6.62E-03	No	-2.62E-03	9.09E-03	No
	26-Jan-15	1.87E-03	9.17E-03	No	8.84E-04	8.53E-03	No
	2-Feb-15	-1.00E-02	8.00E-03	No	-1.37E-02	7.82E-03	No
	9-Feb-15	-1.05E-02	6.53E-03	No	-9.24E-03	8.67E-03	No
	16-Feb-15	5.38E-03	7.96E-03	No	1.72E-03	8.24E-03	No
	23-Feb-15	1.46E-02	8.92E-03	No	2.95E-03	9.28E-03	No
	2-Mar-15	-2.11E-03	7.90E-03	No	1.09E-02	8.80E-03	No
	9-Mar-15	-2.61E-03	7.70E-03	No	1.49E-02	9.63E-03	No
	16-Mar-15	-2.14E-02	7.77E-03	No	-8.22E-03	7.73E-03	No
	23-Mar-15	1.72E-02	9.48E-03	No	-5.59E-03	9.48E-03	No
	30-Mar-15	-9.08E-03	8.28E-03	No	-6.97E-03	9.97E-03	No
	6-Apr-15	-2.56E-03	6.33E-03	No	-1.09E-02	8.72E-03	No
	13-Apr-15	2.56E-03	9.09E-03	No	-3.32E-03	8.63E-03	No
	20-Apr-15	-1.22E-03	9.97E-03	No	1.59E-02	1.15E-02	No
	27-Apr-15	-2.69E-03	9.63E-03	No	-3.38E-03	8.27E-03	No
	4-May-15	2.76E-03	6.49E-03	No	2.22E-03	9.59E-03	No
	11-May-15	3.38E-03	8.51E-03	No	-1.50E-03	9.17E-03	No
	18-May-15	1.24E-03	7.81E-03	No	-5.62E-03	1.18E-02	No
	25-May-15	1.08E-02	8.63E-03	No	-9.59E-03	7.84E-03	No
	1-Jun-15	-2.08E-03	9.71E-03	No	-7.46E-04	9.24E-03	No

Location	Sample Date	Co-60			Cs-137		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
291-F Stack Isokinetic	8-Jun-15	-5.27E-03	9.52E-03	No	-6.41E-03	9.24E-03	No
	15-Jun-15	3.43E-03	7.69E-03	No	6.03E-03	8.96E-03	No
	22-Jun-15	9.46E-03	8.22E-03	No	3.08E-03	8.72E-03	No
	29-Jun-15	-2.17E-02	1.11E-02	No	2.73E-02	8.80E-03	No
	6-Jul-15	1.30E-02	8.59E-03	No	3.95E-03	8.59E-03	No
	13-Jul-15	-1.76E-03	7.99E-03	No	2.92E-03	8.88E-03	No
	20-Jul-15	8.68E-03	8.38E-03	No	-9.11E-03	9.00E-03	No
	27-Jul-15	-7.22E-03	8.06E-03	No	6.49E-03	8.52E-03	No
	3-Aug-15	-9.68E-04	1.03E-02	No	-3.76E-03	8.47E-03	No
	10-Aug-15	4.46E-03	8.38E-03	No	8.35E-03	1.01E-02	No
	17-Aug-15	-9.78E-03	8.92E-03	No	-1.76E-02	9.17E-03	No
	24-Aug-15	-9.84E-03	7.67E-03	No	0.00E+00	5.34E-06	No
	28-Aug-15	-1.11E-02	1.04E-02	No	-6.38E-03	1.32E-02	No
	31-Aug-15	-1.12E-03	2.02E-02	No	-8.14E-03	2.02E-02	No
	7-Sep-15	-2.84E-04	1.01E-02	No	-3.73E-03	9.36E-03	No
	14-Sep-15	-1.23E-04	9.17E-03	No	7.16E-03	9.48E-03	No
	21-Sep-15	1.73E-03	9.04E-03	No	1.61E-02	8.09E-03	No
	28-Sep-15	2.58E-02	1.08E-02	No	1.82E-03	9.28E-03	No
	5-Oct-15	-1.55E-02	8.59E-03	No	1.29E-02	9.32E-03	No
	12-Oct-15	7.73E-03	7.13E-03	No	1.30E-02	1.00E-02	No
	19-Oct-15	-1.99E-02	8.59E-03	No	-3.95E-05	8.24E-03	No
	26-Oct-15	-2.27E-03	6.22E-03	No	1.48E-02	1.05E-02	No
	2-Nov-15	7.62E-03	8.40E-03	No	1.27E-03	9.86E-03	No
	12-Nov-15	9.30E-03	5.85E-03	No	8.78E-03	7.02E-03	No
	16-Nov-15	6.05E-03	1.16E-02	No	-4.51E-03	1.29E-02	No
	23-Nov-15	6.84E-03	9.74E-03	No	-1.72E-03	9.17E-03	No
	30-Nov-15	-9.70E-04	9.09E-03	No	-5.54E-03	1.06E-02	No
	7-Dec-15	1.31E-02	7.24E-03	No	9.97E-03	7.73E-03	No
	14-Dec-15	-2.19E-03	7.36E-03	No	4.08E-03	8.55E-03	No
	21-Dec-15	6.14E-03	8.20E-03	No	1.45E-03	1.07E-02	No
	28-Dec-15	7.03E-03	8.00E-03	No	-9.03E-04	7.30E-03	No
	4-Jan-16	-8.65E-03	6.38E-03	No	1.31E-02	1.01E-02	No
291-H Stack Isokinetic	8-Jan-15	4.86E-05	3.57E-04	No	-2.36E-05	4.25E-04	No
	15-Jan-15	-8.08E-03	4.59E-03	No	9.16E-03	4.83E-03	No
	22-Jan-15	2.45E-03	3.94E-03	No	6.78E-03	3.96E-03	No
	28-Jan-15	4.65E-03	4.43E-03	No	-8.70E-04	5.85E-03	No
	5-Feb-15	7.00E-03	3.78E-03	No	9.03E-03	5.44E-03	No
	12-Feb-15	-6.54E-03	3.23E-03	No	4.78E-03	5.14E-03	No
	19-Feb-15	-3.38E-03	3.95E-03	No	1.69E-03	4.37E-03	No
	26-Feb-15	5.49E-03	3.57E-03	No	7.08E-03	4.58E-03	No
	5-Mar-15	4.16E-03	4.13E-03	No	1.41E-04	4.26E-03	No

Location	Sample Date	Co-60			Cs-137		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
291-H Stack Isokinetic	12-Mar-15	-5.95E-03	3.82E-03	No	7.65E-03	4.72E-03	No
	19-Mar-15	-1.36E-03	4.37E-03	No	4.32E-03	4.03E-03	No
	26-Mar-15	6.86E-03	4.66E-03	No	3.30E-03	4.04E-03	No
	2-Apr-15	3.54E-03	4.77E-03	No	2.30E-02	7.22E-03	Yes
	9-Apr-15	-3.19E-03	3.07E-03	No	1.56E-02	6.09E-03	No
	16-Apr-15	3.78E-03	3.50E-03	No	2.15E-03	4.50E-03	No
	23-Apr-15	8.95E-03	5.06E-03	No	5.38E-03	4.38E-03	No
	30-Apr-15	-4.00E-03	4.48E-03	No	5.65E-03	4.64E-03	No
	7-May-15	7.27E-03	4.31E-03	No	-1.01E-03	4.55E-03	No
	14-May-15	-1.32E-03	3.71E-03	No	-3.38E-03	3.51E-03	No
	21-May-15	-6.38E-03	4.51E-03	No	2.49E-03	4.13E-03	No
	28-May-15	-4.89E-04	3.23E-03	No	-8.68E-03	5.11E-03	No
	4-Jun-15	9.95E-03	4.83E-03	No	6.19E-03	4.70E-03	No
	11-Jun-15	-7.16E-03	3.40E-03	No	-2.11E-03	4.55E-03	No
	18-Jun-15	3.11E-03	4.15E-03	No	4.41E-03	4.12E-03	No
	25-Jun-15	-1.22E-03	3.50E-03	No	-9.73E-04	4.88E-03	No
	1-Jul-15	5.05E-03	4.60E-03	No	1.45E-02	5.20E-03	No
	9-Jul-15	2.10E-03	3.24E-03	No	1.46E-03	3.92E-03	No
	16-Jul-15	5.27E-04	3.47E-03	No	1.18E-03	4.55E-03	No
	23-Jul-15	6.62E-03	3.82E-03	No	2.69E-03	4.22E-03	No
	30-Jul-15	-1.18E-03	3.73E-03	No	-6.35E-03	4.31E-03	No
	6-Aug-15	-3.30E-03	3.19E-03	No	1.57E-02	8.47E-03	No
	13-Aug-15	5.57E-03	4.37E-03	No	9.92E-03	4.71E-03	No
	20-Aug-15	-1.62E-03	3.63E-03	No	4.97E-03	4.43E-03	No
	27-Aug-15	-5.41E-04	4.27E-03	No	3.38E-03	4.90E-03	No
	3-Sep-15	2.35E-03	3.35E-03	No	6.81E-03	5.01E-03	No
	10-Sep-15	-2.47E-03	4.27E-03	No	5.54E-03	4.58E-03	No
	17-Sep-15	-4.43E-03	4.51E-03	No	6.11E-03	4.47E-03	No
	24-Sep-15	2.78E-04	3.05E-03	No	7.68E-03	4.80E-03	No
	1-Oct-15	2.14E-03	3.35E-03	No	-1.42E-03	3.78E-03	No
	8-Oct-15	2.67E-03	4.51E-03	No	-5.11E-04	4.88E-03	No
	15-Oct-15	-1.83E-03	3.48E-03	No	6.89E-03	5.11E-03	No
	22-Oct-15	1.67E-03	4.06E-03	No	-5.97E-03	4.44E-03	No
	29-Oct-15	6.97E-04	3.80E-03	No	-3.38E-04	4.74E-03	No
	5-Nov-15	7.41E-03	3.93E-03	No	5.62E-03	3.85E-03	No
	12-Nov-15	-1.64E-04	4.51E-03	No	7.62E-03	5.33E-03	No
	19-Nov-15	-6.24E-04	4.13E-03	No	7.14E-03	4.78E-03	No
	26-Nov-15	5.81E-04	3.82E-03	No	4.86E-03	4.25E-03	No
	3-Dec-15	-4.00E-04	3.90E-03	No	8.08E-03	3.77E-03	No
	10-Dec-15	1.08E-02	4.18E-03	No	-8.08E-03	4.46E-03	No
	17-Dec-15	-1.39E-03	3.12E-03	No	8.16E-03	4.02E-03	No

Location	Sample Date	Co-60			Cs-137		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
291-H Stack Isokinetic	24-Dec-15	-2.09E-03	3.64E-03	No	2.32E-03	4.27E-03	No
	31-Dec-15	-2.89E-04	3.65E-03	No	1.93E-03	4.37E-03	No
291-S Vit. Process (Zone 1)	2-Feb-15	-5.22E-02	8.20E-02	No	-6.32E-02	6.99E-02	No
	20-Apr-15	8.46E-02	7.42E-02	No	2.68E-01	1.11E-01	No
	3-Aug-15	2.06E-02	7.36E-02	No	-4.97E-02	7.42E-02	No
	19-Oct-15	-1.41E-03	8.96E-02	No	2.61E-02	8.50E-02	No
451-Z Saltstone Vaults	11-Feb-15	-4.49E-03	3.28E-03	No	-1.08E-03	3.05E-03	No
	19-May-15	6.95E-03	3.83E-03	No	-1.94E-03	4.28E-03	No
	12-Aug-15	1.69E-03	2.69E-03	No	-3.11E-04	2.94E-03	No
	18-Nov-15	1.68E-03	3.31E-03	No	-3.46E-03	3.35E-03	No
511-S Low Pt. Pump Pit	2-Feb-15	-1.07E-01	5.96E-02	No	8.27E-03	5.71E-02	No
	20-Apr-15	-8.65E-04	4.23E-02	No	6.19E-02	4.51E-02	No
	3-Aug-15	-5.11E-02	5.78E-02	No	3.08E-02	5.90E-02	No
	19-Oct-15	9.62E-03	4.86E-02	No	1.48E-01	6.49E-02	No
512-S Late Wash	2-Feb-15	4.49E-04	1.91E-03	No	5.97E-03	2.64E-03	No
	20-Apr-15	-1.37E-03	1.76E-03	No	1.91E-04	2.14E-03	No
	3-Aug-15	1.96E-03	1.94E-03	No	1.21E-03	2.62E-03	No
	19-Oct-15	2.38E-03	2.83E-03	No	-2.38E-03	2.89E-03	No
735-A Stack	3-Feb-15	3.89E-04	1.28E-03	No	7.22E-05	1.66E-03	No
	3-Mar-15	-3.76E-04	1.21E-03	No	7.22E-04	1.46E-03	No
	7-Apr-15	-5.84E-04	8.63E-04	No	6.95E-04	8.76E-04	No
	5-May-15	1.66E-04	1.18E-03	No	-4.51E-04	1.48E-03	No
	2-Jun-15	-3.41E-04	1.67E-03	No	-6.51E-05	1.60E-03	No
	7-Jul-15	1.16E-05	8.59E-04	No	-8.95E-04	1.08E-03	No
	4-Aug-15	-6.54E-04	1.44E-03	No	-1.09E-03	1.39E-03	No
	1-Sep-15	-1.68E-05	1.18E-03	No	1.34E-03	1.41E-03	No
	13-Oct-15	3.84E-04	8.41E-04	No	1.99E-04	1.08E-03	No
	3-Nov-15	-1.62E-03	1.47E-03	No	1.60E-03	1.83E-03	No
735-A Stack	1-Dec-15	1.72E-03	1.31E-03	No	-2.27E-03	1.37E-03	No
	5-Jan-16	-5.97E-04	9.00E-04	No	-2.56E-03	1.15E-03	No
772-1F Stack	5-Jan-15	-9.43E-02	5.39E-02	No	6.05E-02	5.49E-02	No
	12-Jan-15	-3.35E-02	5.34E-02	No	1.12E-01	4.91E-02	No
	19-Jan-15	-5.11E-02	5.64E-02	No	2.92E-02	5.08E-02	No
	26-Jan-15	9.24E-02	4.66E-02	No	-1.76E-02	5.95E-02	No
	2-Feb-15	-4.70E-02	5.27E-02	No	3.30E-02	5.33E-02	No
	9-Feb-15	-5.92E-02	5.40E-02	No	-8.32E-02	5.71E-02	No
	16-Feb-15	1.56E-02	5.16E-02	No	-1.11E-01	5.82E-02	No
	23-Feb-15	-4.16E-02	5.28E-02	No	-8.19E-02	6.10E-02	No
	2-Mar-15	-3.97E-02	5.19E-02	No	1.19E-02	5.89E-02	No
	9-Mar-15	8.03E-02	5.69E-02	No	7.41E-02	5.85E-02	No
	16-Mar-15	7.30E-02	5.84E-02	No	-2.21E-02	5.45E-02	No

Location	Sample Date	Co-60			Cs-137		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
772-1F Stack	23-Mar-15	3.27E-03	4.63E-02	No	-1.81E-02	6.71E-02	No
	30-Mar-15	8.30E-03	4.72E-02	No	3.30E-02	6.34E-02	No
	6-Apr-15	8.57E-02	4.93E-02	No	-7.57E-02	6.04E-02	No
	13-Apr-15	6.14E-02	5.49E-02	No	1.94E-02	6.14E-02	No
	20-Apr-15	-5.76E-02	6.17E-02	No	-2.26E-02	5.83E-02	No
	27-Apr-15	-7.27E-03	5.96E-02	No	3.57E-03	6.08E-02	No
	4-May-15	-9.43E-02	6.32E-02	No	9.46E-02	5.27E-02	No
	11-May-15	7.54E-03	5.17E-02	No	-1.93E-02	5.31E-02	No
	18-May-15	6.89E-03	6.13E-02	No	4.70E-02	7.21E-02	No
	25-May-15	4.32E-02	6.19E-02	No	-9.27E-03	5.73E-02	No
	1-Jun-15	6.57E-02	6.10E-02	No	-5.81E-02	5.98E-02	No
	8-Jun-15	8.84E-04	6.09E-02	No	-5.46E-02	6.41E-02	No
	15-Jun-15	-7.00E-03	6.22E-02	No	-7.11E-02	5.51E-02	No
	22-Jun-15	3.14E-02	5.10E-02	No	8.19E-03	6.12E-02	No
	29-Jun-15	-1.38E-02	5.36E-02	No	2.61E-02	6.26E-02	No
	6-Jul-15	5.76E-02	4.45E-02	No	2.27E-02	4.88E-02	No
	13-Jul-15	1.32E-03	4.98E-02	No	4.16E-02	5.09E-02	No
	20-Jul-15	-2.64E-03	4.91E-02	No	3.54E-02	6.34E-02	No
	27-Jul-15	1.08E-01	4.89E-02	No	-5.49E-03	4.63E-02	No
	3-Aug-15	3.73E-02	5.13E-02	No	-7.27E-02	5.93E-02	No
	10-Aug-15	2.76E-02	4.98E-02	No	9.89E-02	6.29E-02	No
	17-Aug-15	7.14E-02	5.55E-02	No	-1.14E-01	5.61E-02	No
	24-Aug-15	2.86E-02	5.61E-02	No	1.17E-01	5.80E-02	No
	31-Aug-15	3.73E-02	6.63E-02	No	3.51E-02	5.55E-02	No
	7-Sep-15	3.81E-02	5.41E-02	No	1.28E-01	5.55E-02	No
	14-Sep-15	1.13E-01	5.54E-02	No	-3.57E-02	4.86E-02	No
	21-Sep-15	1.80E-02	4.99E-02	No	1.10E-01	6.18E-02	No
	28-Sep-15	4.57E-02	4.70E-02	No	-2.05E-03	5.83E-02	No
	5-Oct-15	1.60E-02	4.25E-02	No	5.92E-02	5.23E-02	No
	12-Oct-15	2.37E-02	4.32E-02	No	4.00E-02	4.76E-02	No
	19-Oct-15	-1.61E-02	4.85E-02	No	6.49E-02	4.76E-02	No
	26-Oct-15	2.92E-02	3.64E-02	No	1.52E-01	6.26E-02	No
	2-Nov-15	-3.57E-02	4.17E-02	No	5.16E-02	5.62E-02	No
	9-Nov-15	-2.37E-02	4.63E-02	No	1.30E-02	5.90E-02	No
	16-Nov-15	8.62E-02	5.49E-02	No	9.27E-02	6.55E-02	No
	23-Nov-15	3.73E-02	4.83E-02	No	-1.04E-01	5.55E-02	No
	30-Nov-15	4.65E-02	5.48E-02	No	-7.43E-03	4.97E-02	No
	7-Dec-15	3.70E-02	5.80E-02	No	-2.69E-02	6.54E-02	No
	14-Dec-15	-3.41E-02	5.14E-02	No	-6.27E-02	5.89E-02	No
	21-Dec-15	2.13E-02	4.59E-02	No	-1.87E-02	5.61E-02	No
	28-Dec-15	1.26E-01	6.69E-02	No	-3.70E-02	5.79E-02	No

Location	Sample Date	Co-60			Cs-137		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
772-1F Stack	4-Jan-16	1.89E-02	5.47E-02	No	-8.54E-03	5.25E-02	No
772-4F	5-Jan-15	9.32E-04	2.29E-03	No	3.19E-03	2.40E-03	No
	12-Jan-15	2.97E-03	2.64E-03	No	2.81E-03	2.94E-03	No
	19-Jan-15	1.89E-03	2.63E-03	No	-5.30E-04	2.52E-03	No
	26-Jan-15	-3.51E-03	2.76E-03	No	-2.28E-03	3.49E-03	No
	2-Feb-15	7.05E-04	2.52E-03	No	-1.41E-03	2.64E-03	No
	9-Feb-15	1.65E-04	2.40E-03	No	1.62E-03	2.55E-03	No
	16-Feb-15	1.97E-03	2.27E-03	No	5.14E-03	3.24E-03	No
	23-Feb-15	3.24E-03	2.60E-03	No	-3.27E-04	2.72E-03	No
	2-Mar-15	3.95E-03	2.42E-03	No	-4.95E-03	2.62E-03	No
	9-Mar-15	-7.54E-04	2.69E-03	No	-1.59E-03	2.70E-03	No
	16-Mar-15	7.27E-04	2.41E-03	No	-2.58E-03	3.03E-03	No
	23-Mar-15	-4.11E-03	3.14E-03	No	-3.41E-04	2.65E-03	No
	30-Mar-15	2.97E-03	2.25E-03	No	7.59E-05	2.76E-03	No
	6-Apr-15	3.38E-03	1.76E-03	No	-2.13E-03	3.01E-03	No
	13-Apr-15	2.05E-03	2.58E-03	No	-2.76E-03	2.73E-03	No
	20-Apr-15	1.22E-03	3.77E-03	No	-3.57E-04	2.78E-03	No
	27-Apr-15	-8.38E-04	2.07E-03	No	-1.29E-03	3.19E-03	No
	4-May-15	-1.09E-03	2.63E-03	No	-2.76E-03	2.89E-03	No
	11-May-15	2.84E-03	2.60E-03	No	-1.75E-04	2.56E-03	No
	18-May-15	-4.92E-05	3.01E-03	No	-1.88E-03	2.95E-03	No
	25-May-15	3.84E-03	2.68E-03	No	1.88E-03	2.90E-03	No
	1-Jun-15	-2.35E-03	3.11E-03	No	-3.62E-03	3.19E-03	No
	8-Jun-15	-8.73E-04	3.30E-03	No	-1.20E-03	2.77E-03	No
	15-Jun-15	2.30E-03	2.62E-03	No	-1.44E-03	2.70E-03	No
	22-Jun-15	3.57E-03	3.07E-03	No	-1.15E-03	2.67E-03	No
	29-Jun-15	-1.91E-03	2.23E-03	No	1.07E-03	2.74E-03	No
	6-Jul-15	-1.94E-03	2.78E-03	No	-1.11E-03	3.17E-03	No
	13-Jul-15	7.70E-04	2.73E-03	No	2.84E-03	3.07E-03	No
	20-Jul-15	-2.92E-05	2.16E-03	No	1.57E-05	2.86E-03	No
	27-Jul-15	-1.95E-03	2.03E-03	No	5.59E-04	2.72E-03	No
	3-Aug-15	2.97E-03	2.70E-03	No	1.09E-04	2.74E-03	No
	10-Aug-15	2.60E-03	2.36E-03	No	1.65E-03	2.81E-03	No
	17-Aug-15	1.94E-03	2.26E-03	No	-6.22E-04	2.83E-03	No
	24-Aug-15	-2.07E-03	2.62E-03	No	-1.92E-04	2.62E-03	No
	31-Aug-15	-4.14E-03	2.97E-03	No	1.76E-03	2.96E-03	No
	7-Sep-15	-2.34E-03	1.76E-03	No	5.84E-03	2.82E-03	No
	14-Sep-15	-1.48E-03	2.57E-03	No	-5.89E-03	3.13E-03	No
	21-Sep-15	1.25E-03	2.85E-03	No	-2.34E-03	2.99E-03	No
	28-Sep-15	1.41E-03	2.41E-03	No	6.86E-03	3.21E-03	No
	5-Oct-15	3.27E-04	2.57E-03	No	-8.05E-04	2.69E-03	No

Location	Sample Date	Co-60			Cs-137		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
772-4F	12-Oct-15	1.73E-03	2.55E-03	No	1.19E-03	2.70E-03	No
	19-Oct-15	1.82E-03	2.91E-03	No	1.02E-03	3.01E-03	No
	26-Oct-15	-7.14E-03	2.65E-03	No	-1.77E-03	2.60E-03	No
	2-Nov-15	-3.05E-03	1.67E-03	No	1.19E-03	2.62E-03	No
	9-Nov-15	-6.43E-03	2.86E-03	No	2.95E-03	3.00E-03	No
	16-Nov-15	4.43E-03	2.89E-03	No	-1.03E-03	3.22E-03	No
	23-Nov-15	1.10E-03	2.58E-03	No	-1.29E-04	2.62E-03	No
	30-Nov-15	-3.54E-03	2.50E-03	No	1.06E-03	2.70E-03	No
	7-Dec-15	1.45E-03	2.81E-03	No	1.99E-03	2.78E-03	No
	14-Dec-15	-2.02E-03	2.53E-03	No	-7.97E-04	2.69E-03	No
	21-Dec-15	2.23E-03	2.13E-03	No	6.08E-04	3.07E-03	No
	28-Dec-15	-3.46E-03	2.50E-03	No	9.14E-04	2.83E-03	No
	4-Jan-16	6.76E-04	1.35E-03	No	1.33E-03	2.69E-03	No
773-A B Stack	3-Feb-15	8.03E-04	1.14E-03	No	1.69E-03	1.26E-03	No
	3-Mar-15	3.24E-05	1.22E-03	No	-4.95E-04	1.58E-03	No
	7-Apr-15	-3.78E-04	5.62E-04	No	-8.32E-04	8.00E-04	No
	5-May-15	-1.03E-03	1.48E-03	No	-9.97E-04	1.24E-03	No
	2-Jun-15	7.65E-04	1.24E-03	No	-2.69E-05	1.47E-03	No
	7-Jul-15	-3.00E-04	9.97E-04	No	-1.11E-03	9.86E-04	No
	4-Aug-15	-1.59E-03	9.13E-04	No	1.50E-04	1.34E-03	No
	1-Sep-15	2.25E-03	1.03E-03	No	-8.62E-05	1.26E-03	No
	13-Oct-15	7.19E-04	9.17E-04	No	-4.38E-04	7.59E-04	No
	3-Nov-15	-8.08E-04	1.79E-03	No	-1.99E-03	1.60E-03	No
	1-Dec-15	3.81E-04	1.39E-03	No	6.57E-04	1.31E-03	No
	5-Jan-16	1.76E-03	1.06E-03	No	1.39E-03	8.84E-04	No
773-A C Stack	3-Feb-15	7.22E-04	1.41E-03	No	8.54E-04	1.36E-03	No
	3-Mar-15	-6.92E-04	1.09E-03	No	1.33E-03	1.42E-03	No
	7-Apr-15	-8.92E-04	1.17E-03	No	7.32E-04	1.07E-03	No
	5-May-15	9.57E-05	9.59E-04	No	-6.03E-04	9.40E-04	No
773-A C Stack	2-Jun-15	-3.57E-04	1.46E-03	No	4.54E-04	1.05E-03	No
	7-Jul-15	-4.38E-04	1.10E-03	No	8.59E-04	9.86E-04	No
	4-Aug-15	6.86E-04	1.30E-03	No	1.15E-03	1.37E-03	No
	1-Sep-15	1.24E-03	7.59E-04	No	-1.15E-03	1.20E-03	No
	13-Oct-15	1.57E-03	7.62E-04	No	1.33E-03	8.37E-04	No
	3-Nov-15	9.89E-04	1.46E-03	No	1.51E-03	1.17E-03	No
	1-Dec-15	-3.27E-04	6.47E-04	No	6.11E-04	8.52E-04	No
	5-Jan-16	3.84E-04	6.40E-04	No	4.97E-04	7.45E-04	No
776-A Stack	3-Feb-15	3.78E-02	1.55E-02	No	1.95E-03	1.95E-02	No
	3-Mar-15	-2.27E-03	1.55E-02	No	-1.18E-03	1.87E-02	No
	7-Apr-15	-8.73E-03	1.24E-02	No	1.67E-02	1.44E-02	No
	5-May-15	-7.92E-03	1.55E-02	No	-1.74E-02	1.98E-02	No

Location	Sample Date	Co-60			Cs-137		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
776-A Stack	2-Jun-15	7.92E-03	1.48E-02	No	2.59E-02	2.18E-02	No
	7-Jul-15	-1.97E-02	1.40E-02	No	-3.43E-04	1.38E-02	No
	4-Aug-15	-2.47E-03	1.39E-02	No	3.35E-03	1.96E-02	No
	1-Sep-15	-2.63E-02	2.18E-02	No	-4.16E-02	2.04E-02	No
	13-Oct-15	2.13E-02	9.86E-03	No	6.51E-03	1.21E-02	No
	3-Nov-15	-5.68E-03	2.20E-02	No	3.19E-02	2.89E-02	No
	1-Dec-15	2.69E-02	1.37E-02	No	-2.76E-03	1.86E-02	No
	5-Jan-16	-2.44E-02	1.25E-02	No	1.39E-02	1.61E-02	No
791-A Sandfilter Discharge	6-Jan-15	8.57E-03	7.83E-03	No	1.70E-02	9.04E-03	No
	13-Jan-15	8.03E-03	3.64E-03	No	-3.41E-03	3.79E-03	No
	20-Jan-15	-1.24E-03	4.04E-03	No	4.76E-03	3.75E-03	No
	27-Jan-15	1.01E-03	3.55E-03	No	-3.68E-03	4.15E-03	No
	3-Feb-15	5.68E-04	3.38E-03	No	-4.73E-04	3.24E-03	No
	10-Feb-15	-9.43E-03	7.36E-03	No	-4.92E-03	8.05E-03	No
	17-Feb-15	-1.03E-02	9.56E-03	No	-4.19E-03	9.32E-03	No
	24-Feb-15	1.58E-04	5.93E-03	No	7.43E-04	7.14E-03	No
	3-Mar-15	9.43E-03	6.74E-03	No	-1.87E-03	7.33E-03	No
	10-Mar-15	3.03E-03	3.48E-03	No	-2.36E-03	3.23E-03	No
	17-Mar-15	1.15E-02	7.19E-03	No	-1.12E-02	1.03E-02	No
	24-Mar-15	5.81E-03	7.15E-03	No	7.81E-03	7.10E-03	No
	31-Mar-15	-4.57E-04	5.89E-03	No	-1.10E-03	6.70E-03	No
	14-Apr-15	-1.32E-03	2.63E-03	No	-1.96E-03	3.21E-03	No
	21-Apr-15	5.24E-03	5.97E-03	No	-3.81E-03	7.53E-03	No
	28-Apr-15	5.81E-03	6.30E-03	No	2.64E-02	9.63E-03	Yes
	5-May-15	1.89E-02	7.51E-03	No	-2.17E-03	7.36E-03	No
	12-May-15	-3.65E-03	6.84E-03	No	-1.03E-03	6.29E-03	No
	19-May-15	-9.11E-03	7.88E-03	No	4.78E-03	7.49E-03	No
	26-May-15	9.46E-04	7.60E-03	No	-2.16E-02	7.88E-03	No
	2-Jun-15	8.27E-03	3.93E-03	No	-2.23E-03	3.54E-03	No
	9-Jun-15	4.84E-03	3.46E-03	No	-1.44E-03	3.51E-03	No
	16-Jun-15	-4.86E-03	6.17E-03	No	-7.57E-03	6.46E-03	No
	23-Jun-15	-1.15E-03	7.88E-03	No	-4.27E-03	6.80E-03	No
	30-Jun-15	-3.92E-03	6.79E-03	No	1.13E-02	7.22E-03	No
	7-Jul-15	9.32E-04	3.08E-03	No	4.22E-03	3.07E-03	No
	14-Jul-15	8.16E-03	6.97E-03	No	-2.20E-04	5.60E-03	No
	21-Jul-15	-3.57E-03	6.30E-03	No	8.51E-03	8.20E-03	No
	28-Jul-15	9.95E-03	6.66E-03	No	-8.08E-03	8.05E-03	No
	4-Aug-15	6.92E-03	5.80E-03	No	-4.54E-04	6.63E-03	No
	11-Aug-15	5.65E-03	6.68E-03	No	1.58E-02	6.98E-03	No
	18-Aug-15	2.14E-03	5.20E-03	No	-1.04E-02	6.93E-03	No
	25-Aug-15	-3.49E-03	5.49E-03	No	-1.90E-03	6.05E-03	No

Location	Sample Date	Co-60			Cs-137		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
791-A Sandfilter Discharge	1-Sep-15	-3.24E-03	6.91E-03	No	-5.78E-04	6.63E-03	No
	8-Sep-15	3.59E-03	6.93E-03	No	1.07E-03	6.72E-03	No
	15-Sep-15	-1.11E-03	5.87E-03	No	1.36E-02	6.61E-03	No
	23-Sep-15	-2.17E-03	4.55E-03	No	-1.05E-02	5.48E-03	No
	30-Sep-15	-4.54E-03	6.56E-03	No	1.32E-03	7.79E-03	No
	13-Oct-15	-4.81E-03	3.44E-03	No	2.81E-03	3.44E-03	No
	20-Oct-15	1.22E-02	6.26E-03	No	-7.78E-03	5.73E-03	No
	27-Oct-15	-6.57E-04	5.06E-03	No	-2.14E-03	6.11E-03	No
	3-Nov-15	9.11E-04	2.63E-03	No	-5.22E-03	2.59E-03	No
	10-Nov-15	-5.30E-03	3.38E-03	No	1.94E-03	3.70E-03	No
	17-Nov-15	-7.03E-04	2.57E-03	No	1.46E-03	3.47E-03	No
	24-Nov-15	1.83E-04	3.62E-03	No	2.81E-03	3.90E-03	No
	1-Dec-15	-8.41E-03	3.69E-03	No	2.95E-03	3.84E-03	No
	8-Dec-15	-2.45E-03	5.08E-03	No	-6.14E-03	6.77E-03	No
	15-Dec-15	1.14E-03	5.69E-03	No	-1.78E-03	6.83E-03	No
	22-Dec-15	4.65E-03	6.33E-03	No	-7.51E-03	5.55E-03	No
	29-Dec-15	-7.19E-03	6.35E-03	No	4.35E-03	7.20E-03	No
K-Area Main Stack (148ft)	12-Jan-15	1.16E-03	6.75E-03	No	4.70E-03	7.88E-03	No
	9-Mar-15	-1.61E-02	7.97E-03	No	-1.71E-02	7.70E-03	No
	11-May-15	-8.05E-03	8.45E-03	No	1.57E-02	8.72E-03	No
	13-Jul-15	-8.86E-04	5.00E-03	No	9.32E-03	5.91E-03	No
	7-Sep-15	1.40E-03	9.59E-03	No	8.76E-03	9.59E-03	No
	2-Nov-15	-1.41E-02	9.52E-03	No	9.19E-03	9.09E-03	No
KIS STACK	5-Jan-15	3.30E-04	4.42E-03	No	3.38E-03	4.92E-03	No
	12-Jan-15	-2.35E-03	4.03E-03	No	4.32E-03	6.01E-03	No
	19-Jan-15	-3.03E-03	6.14E-03	No	-5.54E-03	5.48E-03	No
	26-Jan-15	2.14E-03	4.92E-03	No	-3.19E-03	6.37E-03	No
	2-Feb-15	7.59E-04	5.06E-03	No	5.57E-03	5.82E-03	No
	9-Feb-15	-5.84E-03	3.71E-03	No	-3.65E-03	5.61E-03	No
KIS STACK	16-Feb-15	-1.77E-03	5.06E-03	No	-1.92E-03	5.51E-03	No
	23-Feb-15	-4.08E-03	5.59E-03	No	5.57E-03	4.69E-03	No
	2-Mar-15	-6.89E-03	5.42E-03	No	5.30E-03	5.46E-03	No
	9-Mar-15	-5.51E-03	4.52E-03	No	4.08E-03	5.98E-03	No
	16-Mar-15	-1.78E-03	7.05E-03	No	-2.21E-03	5.37E-03	No
	23-Mar-15	4.81E-03	3.63E-03	No	-6.95E-03	6.09E-03	No
	30-Mar-15	-5.68E-03	4.49E-03	No	-1.27E-02	5.52E-03	No
	6-Apr-15	6.54E-03	4.32E-03	No	-3.92E-03	5.94E-03	No
	13-Apr-15	1.35E-03	4.83E-03	No	1.34E-03	6.32E-03	No
	20-Apr-15	2.45E-03	7.15E-03	No	1.00E-02	6.75E-03	No
	27-Apr-15	2.55E-03	4.77E-03	No	-2.21E-03	5.28E-03	No
	4-May-15	-5.54E-04	8.32E-03	No	9.86E-03	7.94E-03	No

Location	Sample Date	Co-60			Cs-137		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
KIS STACK	11-May-15	7.54E-03	4.84E-03	No	5.81E-03	4.68E-03	No
	18-May-15	-1.09E-02	7.23E-03	No	-1.71E-02	7.57E-03	No
	25-May-15	7.89E-04	6.34E-03	No	-2.56E-03	5.96E-03	No
	1-Jun-15	7.65E-03	7.95E-03	No	5.54E-03	8.01E-03	No
	8-Jun-15	-8.78E-03	7.51E-03	No	9.84E-03	8.96E-03	No
	15-Jun-15	-4.84E-03	4.90E-03	No	-1.72E-03	6.17E-03	No
	22-Jun-15	-2.51E-03	4.52E-03	No	5.22E-03	4.27E-03	No
	29-Jun-15	5.92E-03	6.50E-03	No	7.73E-03	7.71E-03	No
	6-Jul-15	3.32E-03	6.26E-03	No	-6.59E-03	7.28E-03	No
	13-Jul-15	-1.01E-02	8.08E-03	No	-1.20E-03	7.86E-03	No
	20-Jul-15	-1.35E-02	6.42E-03	No	7.35E-03	5.53E-03	No
	27-Jul-15	-5.19E-03	5.40E-03	No	-1.31E-02	7.86E-03	No
	3-Aug-15	1.01E-03	6.73E-03	No	-5.76E-03	7.84E-03	No
	10-Aug-15	-3.62E-03	7.65E-03	No	-7.24E-03	9.78E-03	No
	17-Aug-15	3.59E-03	6.65E-03	No	1.35E-02	7.31E-03	No
	24-Aug-15	4.65E-03	7.60E-03	No	-1.35E-02	8.59E-03	No
	31-Aug-15	-4.78E-03	6.55E-03	No	3.30E-03	7.23E-03	No
	7-Sep-15	4.89E-03	7.64E-03	No	-5.49E-03	7.91E-03	No
	14-Sep-15	-6.00E-04	6.84E-03	No	-1.48E-02	8.18E-03	No
	21-Sep-15	6.68E-03	5.92E-03	No	2.56E-03	7.63E-03	No
	28-Sep-15	-6.00E-03	6.38E-03	No	1.77E-03	7.10E-03	No
	5-Oct-15	1.26E-02	5.37E-03	No	3.70E-03	6.33E-03	No
	12-Oct-15	9.78E-03	7.09E-03	No	2.13E-03	6.21E-03	No
	19-Oct-15	-2.27E-03	5.97E-03	No	3.24E-03	6.76E-03	No
	26-Oct-15	-3.35E-03	7.73E-03	No	8.54E-03	7.28E-03	No
	2-Nov-15	-1.06E-02	8.21E-03	No	-5.11E-03	6.95E-03	No
	9-Nov-15	1.93E-03	6.38E-03	No	-4.65E-03	6.64E-03	No
	16-Nov-15	3.97E-04	7.85E-03	No	1.28E-03	8.28E-03	No
	23-Nov-15	4.65E-03	7.58E-03	No	3.65E-03	7.65E-03	No
	30-Nov-15	8.35E-03	6.48E-03	No	9.95E-03	7.18E-03	No
	7-Dec-15	3.46E-03	5.26E-03	No	9.08E-03	7.49E-03	No
	14-Dec-15	6.46E-04	5.80E-03	No	-2.12E-03	7.13E-03	No
	21-Dec-15	-7.27E-03	6.07E-03	No	-1.22E-03	7.83E-03	No
	28-Dec-15	4.32E-03	5.90E-03	No	8.46E-03	7.04E-03	No
	4-Jan-16	2.64E-03	7.30E-03	No	-8.62E-03	7.58E-03	No
L-Area Disassembly	12-Jan-15	-3.05E-02	3.30E-02	No	8.54E-02	4.19E-02	No
	13-Apr-15	-1.50E-02	3.78E-02	No	-1.13E-02	3.92E-02	No
	13-Jul-15	2.44E-02	4.92E-02	No	8.57E-04	4.99E-02	No
	12-Oct-15	5.27E-03	1.79E-03	No	3.89E-03	2.66E-03	No
L-Area Main Stack (148ft)	12-Jan-15	-7.54E-03	1.31E-02	No	-2.52E-02	1.73E-02	No
	9-Mar-15	2.32E-02	1.32E-02	No	-1.33E-02	1.47E-02	No

Location	Sample Date	Co-60			Cs-137		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
L-Area Main Stack (148ft)	11-May-15	3.81E-02	1.82E-02	No	4.35E-03	1.62E-02	No
	13-Jul-15	-1.65E-02	1.55E-02	No	-1.16E-02	1.50E-02	No
	14-Sep-15	1.29E-02	1.30E-02	No	2.34E-02	1.41E-02	No
	9-Nov-15	1.37E-02	1.71E-02	No	-7.73E-03	1.54E-02	No
Saltstone SDU-2	11-Feb-15	-1.63E-04	2.97E-03	No	-6.30E-03	3.48E-03	No
	19-May-15	-2.29E-03	4.10E-03	No	2.39E-03	3.68E-03	No
	12-Aug-15	-2.52E-03	3.48E-03	No	7.11E-03	2.73E-03	No
	18-Nov-15	3.14E-03	3.69E-03	No	-2.68E-03	3.93E-03	No
Saltstone SDU-5	11-Feb-15	7.00E-03	2.91E-03	No	-2.59E-03	2.56E-03	No
	19-May-15	-1.28E-03	3.29E-03	No	-1.02E-03	3.14E-03	No
	12-Aug-15	4.05E-03	2.46E-03	No	4.49E-03	2.37E-03	No
	18-Nov-15	1.28E-03	2.48E-03	No	-2.95E-03	2.95E-03	No

Table 14 Radioactivity in Air Emission Samples (continued)

Location	Sample Date	Sr-89/90		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
210-Z Building Stack	11-Feb-15	-6.57E-03	1.10E-02	No
	19-May-15	-1.65E-02	1.17E-02	No
	12-Aug-15	-2.39E-02	1.05E-02	No
	18-Nov-15	2.14E-02	2.37E-02	No
221-S Personnel Area (Zone 2)	2-Feb-15	6.97E-03	1.42E-02	No
	20-Apr-15	4.57E-03	9.89E-03	No
	3-Aug-15	-2.11E-02	1.33E-02	No
	19-Oct-15	-6.84E-03	1.46E-02	No
241-278H Caustic Extraction	12-Mar-15	1.64E-03	1.49E-03	No
	10-Sep-15	2.92E-04	1.24E-03	No
241-81H ETP Process Stack	21-Dec-15	3.81E-04	8.80E-04	No
241-84H ETP Lab Stack	21-Dec-15	9.68E-04	1.00E-03	No
250-S Glass Waste Bldg #1488	26-May-15	2.11E-03	1.41E-02	No
250-S Glass Waste Bldg #1509	2-Jun-15	1.44E-02	1.56E-02	No
250-S Glass Waste Bldg #3928	11-May-15	-4.38E-03	1.09E-02	No
250-S Glass Waste Bldg #3940	18-May-15	3.65E-03	1.21E-02	No
251-S Glass Waste Bldg2 Vault A	2-Jun-15	-1.74E-05	7.59E-04	No
251-S Glass Waste Bldg2 Vault B	26-May-15	8.92E-04	6.60E-04	No
251-S Glass Waste Bldg2 Vault C	18-May-15	7.59E-05	5.73E-04	No
251-S Glass Waste Bldg2 Vault D	11-May-15	-2.78E-05	7.02E-04	No
291-F Stack Isokinetic	5-Jan-15	3.08E-04	2.35E-03	No
	12-Jan-15	-2.42E-03	2.14E-03	No
	19-Jan-15	3.30E-03	2.70E-03	No
	26-Jan-15	2.56E-03	2.78E-03	No
	2-Feb-15	2.54E-03	2.63E-03	No
	9-Feb-15	3.65E-03	2.62E-03	No
	16-Feb-15	-1.41E-04	2.32E-03	No
	23-Feb-15	3.51E-03	2.55E-03	No
	2-Mar-15	7.35E-03	3.00E-03	No
	9-Mar-15	2.76E-03	2.54E-03	No
	16-Mar-15	-4.22E-04	2.37E-03	No
	23-Mar-15	1.70E-03	2.74E-03	No
	30-Mar-15	-4.92E-04	2.46E-03	No
	6-Apr-15	2.38E-03	1.79E-03	No
	13-Apr-15	-4.08E-03	1.57E-03	No
	20-Apr-15	8.00E-04	1.93E-03	No
	27-Apr-15	4.86E-05	2.33E-03	No
	4-May-15	1.45E-03	2.53E-03	No
	11-May-15	-3.97E-03	2.46E-03	No
	18-May-15	-2.00E-03	2.55E-03	No
	25-May-15	1.57E-03	2.60E-03	No

Location	Sample Date	Sr-89/90		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
291-F Stack Isokinetic	1-Jun-15	2.56E-03	2.39E-03	No
	8-Jun-15	2.48E-03	2.36E-03	No
	15-Jun-15	-1.12E-04	2.46E-03	No
	22-Jun-15	3.32E-03	3.13E-03	No
	29-Jun-15	9.84E-03	3.51E-03	Yes
	6-Jul-15	3.84E-03	3.24E-03	No
	13-Jul-15	-3.35E-04	2.77E-03	No
	20-Jul-15	-1.86E-04	2.52E-03	No
	27-Jul-15	2.61E-03	2.69E-03	No
	3-Aug-15	-4.59E-03	2.52E-03	No
	10-Aug-15	-8.14E-04	2.83E-03	No
	17-Aug-15	-2.39E-03	2.68E-03	No
	24-Aug-15	-1.96E-04	1.84E-03	No
	28-Aug-15	5.19E-04	4.07E-03	No
	31-Aug-15	-2.19E-03	4.68E-03	No
	7-Sep-15	3.54E-03	2.66E-03	No
	14-Sep-15	-9.70E-04	2.31E-03	No
	21-Sep-15	-7.27E-04	2.65E-03	No
	28-Sep-15	-4.30E-04	1.67E-03	No
	5-Oct-15	1.74E-03	1.80E-03	No
	12-Oct-15	-9.35E-04	1.47E-03	No
	19-Oct-15	3.59E-04	2.73E-03	No
	26-Oct-15	-1.62E-03	2.78E-03	No
	2-Nov-15	5.70E-03	2.94E-03	No
	12-Nov-15	4.32E-03	2.10E-03	No
	16-Nov-15	1.33E-03	4.53E-03	No
	23-Nov-15	3.41E-03	3.27E-03	No
	30-Nov-15	3.30E-03	3.16E-03	No
	7-Dec-15	2.73E-03	2.62E-03	No
	14-Dec-15	1.34E-03	1.92E-03	No
	21-Dec-15	4.43E-04	1.98E-03	No
	28-Dec-15	-2.45E-04	1.90E-03	No
	4-Jan-16	1.55E-03	2.22E-03	No
291-H Stack Isokinetic	8-Jan-15	2.23E-03	1.27E-03	No
	15-Jan-15	3.86E-03	1.40E-03	Yes
	22-Jan-15	2.84E-03	1.40E-03	No
	28-Jan-15	1.48E-03	1.56E-03	No
	5-Feb-15	1.47E-03	1.20E-03	No
	12-Feb-15	5.22E-03	1.59E-03	Yes
	19-Feb-15	2.11E-03	1.36E-03	No
	26-Feb-15	2.78E-03	1.36E-03	No
	5-Mar-15	4.16E-03	1.55E-03	No

Location	Sample Date	Sr-89/90		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
291-H Stack Isokinetic	12-Mar-15	5.11E-03	1.57E-03	Yes
	19-Mar-15	-1.72E-04	1.07E-03	No
	26-Mar-15	9.41E-04	1.24E-03	No
	2-Apr-15	1.31E-02	2.18E-03	Yes
	9-Apr-15	4.49E-03	1.07E-03	Yes
	16-Apr-15	3.84E-03	9.89E-04	Yes
	23-Apr-15	4.35E-03	1.17E-03	Yes
	30-Apr-15	4.24E-03	1.51E-03	Yes
	7-May-15	-1.73E-04	9.71E-04	No
	14-May-15	-4.57E-04	1.14E-03	No
	21-May-15	3.76E-04	1.19E-03	No
	28-May-15	2.25E-03	1.21E-03	No
	4-Jun-15	-4.24E-05	1.07E-03	No
	11-Jun-15	7.27E-04	1.07E-03	No
	18-Jun-15	2.07E-03	1.16E-03	No
	25-Jun-15	3.11E-03	1.49E-03	No
	1-Jul-15	2.09E-03	1.64E-03	No
	9-Jul-15	-1.23E-03	9.28E-04	No
	16-Jul-15	1.13E-03	1.32E-03	No
	23-Jul-15	1.15E-03	1.27E-03	No
	30-Jul-15	-9.78E-05	1.08E-03	No
	6-Aug-15	1.29E-02	2.27E-03	Yes
	13-Aug-15	7.16E-03	1.85E-03	Yes
	20-Aug-15	4.22E-03	1.59E-03	No
	27-Aug-15	2.39E-03	1.07E-03	No
	3-Sep-15	3.59E-03	1.03E-03	Yes
	10-Sep-15	9.30E-05	1.06E-03	No
	17-Sep-15	2.04E-03	1.28E-03	No
	24-Sep-15	1.99E-03	1.41E-03	No
	1-Oct-15	4.05E-03	1.59E-03	No
	8-Oct-15	3.08E-03	1.08E-03	Yes
	15-Oct-15	1.17E-03	8.40E-04	No
	22-Oct-15	1.98E-03	1.51E-03	No
	29-Oct-15	1.43E-03	1.39E-03	No
	5-Nov-15	2.34E-03	1.40E-03	No
	12-Nov-15	4.16E-03	1.71E-03	No
	19-Nov-15	5.11E-03	1.73E-03	Yes
	26-Nov-15	4.27E-03	1.63E-03	No
	3-Dec-15	-6.19E-04	1.09E-03	No
	10-Dec-15	2.69E-03	1.46E-03	No
	17-Dec-15	4.03E-03	1.18E-03	Yes
	24-Dec-15	2.19E-03	1.04E-03	No

Location	Sample Date	Sr-89/90		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
291-H Stack Isokinetic	31-Dec-15	4.59E-03	1.34E-03	Yes
291-S Vit. Process (Zone 1)	2-Feb-15	4.00E-02	2.42E-02	No
	20-Apr-15	-5.51E-03	1.38E-02	No
	3-Aug-15	-2.76E-02	2.01E-02	No
	19-Oct-15	5.00E-02	3.16E-02	No
451-Z Saltstone Vaults	11-Feb-15	1.22E-03	9.67E-04	No
	19-May-15	7.76E-04	1.22E-03	No
	12-Aug-15	-5.43E-04	7.67E-04	No
	18-Nov-15	-9.43E-04	9.74E-04	No
511-S Low Pt. Pump Pit	2-Feb-15	5.62E-02	1.99E-02	Yes
	20-Apr-15	2.40E-02	9.71E-03	No
	3-Aug-15	4.14E-03	1.68E-02	No
	19-Oct-15	-6.92E-03	1.66E-02	No
512-S Late Wash	2-Feb-15	7.46E-04	7.17E-04	No
	20-Apr-15	1.25E-03	5.00E-04	No
	3-Aug-15	-9.19E-04	5.92E-04	No
	19-Oct-15	-5.68E-05	8.43E-04	No
772-4F	5-Jan-15	6.43E-04	8.23E-04	No
	12-Jan-15	-7.46E-04	7.07E-04	No
	19-Jan-15	-1.80E-04	8.55E-04	No
	26-Jan-15	8.54E-04	8.96E-04	No
	2-Feb-15	5.11E-04	8.43E-04	No
	9-Feb-15	4.59E-04	7.00E-04	No
	16-Feb-15	-1.65E-05	6.32E-04	No
	23-Feb-15	8.03E-04	7.29E-04	No
	2-Mar-15	6.97E-04	8.76E-04	No
	9-Mar-15	-1.97E-04	8.01E-04	No
	16-Mar-15	1.21E-03	6.27E-04	No
	23-Mar-15	1.18E-03	6.09E-04	No
	30-Mar-15	5.65E-04	8.96E-04	No
	6-Apr-15	-3.08E-04	8.47E-04	No
	13-Apr-15	-1.06E-04	5.73E-04	No
	20-Apr-15	1.35E-04	5.92E-04	No
	27-Apr-15	2.20E-03	8.96E-04	No
	4-May-15	-2.76E-04	7.22E-04	No
	11-May-15	1.09E-03	8.22E-04	No
	18-May-15	-3.30E-04	8.27E-04	No
	25-May-15	2.50E-04	7.91E-04	No
	1-Jun-15	-1.12E-03	6.03E-04	No
	8-Jun-15	1.05E-03	8.34E-04	No
	15-Jun-15	8.54E-05	7.66E-04	No
	22-Jun-15	-1.97E-04	7.42E-04	No

Location	Sample Date	Sr-89/90		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
772-4F	29-Jun-15	1.57E-03	9.24E-04	No
	6-Jul-15	-1.02E-04	7.36E-04	No
	13-Jul-15	1.58E-03	9.13E-04	No
	20-Jul-15	7.27E-04	8.52E-04	No
	27-Jul-15	3.14E-05	7.83E-04	No
	3-Aug-15	2.92E-04	7.99E-04	No
	10-Aug-15	1.33E-03	9.21E-04	No
	17-Aug-15	-1.04E-04	7.22E-04	No
	24-Aug-15	9.76E-04	9.28E-04	No
	31-Aug-15	4.19E-05	8.59E-04	No
	7-Sep-15	7.30E-04	8.76E-04	No
	14-Sep-15	-3.05E-04	8.80E-04	No
	21-Sep-15	1.02E-03	9.59E-04	No
	28-Sep-15	-4.00E-04	3.81E-04	No
	5-Oct-15	-9.57E-05	4.26E-04	No
	12-Oct-15	-3.54E-04	7.80E-04	No
	19-Oct-15	7.89E-04	9.04E-04	No
	26-Oct-15	1.55E-03	8.55E-04	No
	2-Nov-15	-3.65E-05	7.12E-04	No
	9-Nov-15	4.49E-04	7.42E-04	No
	16-Nov-15	-1.69E-04	8.19E-04	No
	23-Nov-15	1.21E-03	9.32E-04	No
	30-Nov-15	-2.01E-04	6.05E-04	No
	7-Dec-15	1.73E-03	7.49E-04	No
	14-Dec-15	-3.11E-04	5.77E-04	No
	21-Dec-15	7.16E-04	6.89E-04	No
	28-Dec-15	-1.38E-04	6.29E-04	No
	4-Jan-16	1.16E-03	7.05E-04	No
KIS STACK	5-Jan-15	-2.52E-03	1.15E-03	No
	12-Jan-15	-1.21E-03	1.35E-03	No
	19-Jan-15	1.42E-03	1.84E-03	No
	26-Jan-15	-8.95E-04	1.66E-03	No
	2-Feb-15	-3.24E-03	1.30E-03	No
	9-Feb-15	2.20E-04	1.44E-03	No
	16-Feb-15	1.50E-03	1.58E-03	No
	23-Feb-15	9.14E-04	1.55E-03	No
	2-Mar-15	-6.03E-04	1.39E-03	No
	9-Mar-15	2.13E-04	1.44E-03	No
	16-Mar-15	1.62E-03	1.73E-03	No
	23-Mar-15	1.83E-03	1.73E-03	No
	30-Mar-15	1.85E-03	1.73E-03	No
	6-Apr-15	1.79E-04	1.03E-03	No

Location	Sample Date	Sr-89/90		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
KIS STACK	13-Apr-15	1.30E-03	1.15E-03	No
	20-Apr-15	2.09E-03	1.28E-03	No
	27-Apr-15	3.35E-03	1.84E-03	No
	4-May-15	1.24E-03	2.10E-03	No
	11-May-15	-1.48E-03	1.50E-03	No
	18-May-15	-1.94E-03	1.62E-03	No
	25-May-15	1.04E-03	1.64E-03	No
	1-Jun-15	-7.41E-04	1.78E-03	No
	8-Jun-15	8.51E-04	1.89E-03	No
	15-Jun-15	4.05E-04	1.40E-03	No
	22-Jun-15	1.69E-04	1.32E-03	No
	29-Jun-15	6.97E-04	2.28E-03	No
	6-Jul-15	1.61E-03	2.19E-03	No
	13-Jul-15	-2.58E-03	1.98E-03	No
	20-Jul-15	1.15E-03	1.86E-03	No
	27-Jul-15	2.13E-03	2.27E-03	No
	3-Aug-15	-2.76E-04	2.28E-03	No
	10-Aug-15	2.05E-03	2.45E-03	No
	17-Aug-15	9.16E-04	2.22E-03	No
	24-Aug-15	-2.84E-04	1.44E-03	No
	31-Aug-15	5.32E-03	1.84E-03	Yes
	7-Sep-15	-3.11E-03	1.59E-03	No
	14-Sep-15	1.70E-03	2.01E-03	No
	21-Sep-15	2.65E-03	2.40E-03	No
	28-Sep-15	5.97E-04	2.21E-03	No
	5-Oct-15	-2.95E-04	1.30E-03	No
	12-Oct-15	-6.97E-05	1.29E-03	No
	19-Oct-15	4.46E-03	2.65E-03	No
	26-Oct-15	1.48E-03	2.44E-03	No
	2-Nov-15	2.81E-04	2.20E-03	No
	9-Nov-15	6.65E-04	2.09E-03	No
	16-Nov-15	4.84E-03	2.64E-03	No
	23-Nov-15	-1.21E-03	2.08E-03	No
	30-Nov-15	2.92E-03	2.53E-03	No
	7-Dec-15	-8.86E-04	2.22E-03	No
	14-Dec-15	1.88E-03	1.84E-03	No
	21-Dec-15	9.00E-04	1.67E-03	No
	28-Dec-15	-4.92E-04	1.48E-03	No
	4-Jan-16	-6.78E-04	1.80E-03	No
Saltstone SDU-2	11-Feb-15	-1.92E-04	8.40E-04	No
	19-May-15	-2.56E-04	9.56E-04	No
	12-Aug-15	-1.20E-03	9.09E-04	No

Location	Sample Date	Sr-89/90		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
Saltstone SDU-2	18-Nov-15	-2.84E-04	1.10E-03	No
Saltstone SDU-5	11-Feb-15	-6.49E-04	5.23E-04	No
	19-May-15	-1.75E-04	8.05E-04	No
	12-Aug-15	-1.09E-03	6.03E-04	No
	18-Nov-15	1.45E-03	8.55E-04	No

Table 14 Radioactivity in Air Emission Samples (continued)

Location	Sample Date	I-129		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
292-F Main Stack (195ft)	19-Jan-15	3.81E-02	4.02E-03	Yes
	19-Jan-15	1.49E-02	2.33E-03	Yes
	2-Feb-15	3.57E-02	3.62E-03	Yes
	2-Feb-15	1.46E-02	2.43E-03	Yes
	16-Feb-15	5.59E-02	5.07E-03	Yes
	16-Feb-15	1.61E-02	2.25E-03	Yes
	2-Mar-15	4.08E-02	4.52E-03	Yes
	2-Mar-15	1.47E-02	2.85E-03	Yes
	16-Mar-15	9.38E-02	7.49E-03	Yes
	16-Mar-15	1.16E-02	2.42E-03	Yes
	30-Mar-15	6.92E-02	6.26E-03	Yes
	30-Mar-15	1.32E-02	2.48E-03	Yes
	13-Apr-15	1.16E-01	9.09E-03	Yes
	13-Apr-15	2.31E-02	3.03E-03	Yes
	27-Apr-15	7.86E-02	6.50E-03	Yes
	27-Apr-15	1.83E-02	3.01E-03	Yes
	11-May-15	8.43E-02	6.53E-03	Yes
	11-May-15	2.31E-02	2.96E-03	Yes
	25-May-15	1.30E-01	1.04E-02	Yes
	25-May-15	9.78E-03	2.67E-03	Yes
	8-Jun-15	1.15E-01	9.32E-03	Yes
	8-Jun-15	2.11E-02	2.80E-03	Yes
	22-Jun-15	1.37E-01	1.14E-02	Yes
	22-Jun-15	5.27E-03	2.46E-03	No
	6-Jul-15	1.81E-01	1.39E-02	Yes
	6-Jul-15	5.65E-03	2.69E-03	No
	20-Jul-15	1.64E-01	1.23E-02	Yes
	20-Jul-15	2.95E-03	1.45E-03	No
	3-Aug-15	1.65E-01	1.24E-02	Yes
	3-Aug-15	1.15E-02	1.98E-03	Yes
	17-Aug-15	1.31E-01	1.09E-02	Yes
	17-Aug-15	3.19E-02	4.57E-03	Yes
	31-Aug-15	1.57E-01	1.24E-02	Yes
	31-Aug-15	3.57E-03	1.20E-03	No
	14-Sep-15	6.70E-02	6.36E-03	Yes
	14-Sep-15	1.13E-02	3.67E-03	Yes
	28-Sep-15	9.43E-02	9.28E-03	Yes
	28-Sep-15	5.11E-03	2.13E-03	No
	12-Oct-15	9.08E-02	9.04E-03	Yes
	12-Oct-15	4.62E-03	1.77E-03	No
	26-Oct-15	6.89E-02	7.01E-03	Yes

Location	Sample Date	I-129		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
292-F Main Stack (195ft)	26-Oct-15	1.71E-02	3.34E-03	Yes
	9-Nov-15	4.32E-02	5.12E-03	Yes
	9-Nov-15	1.84E-02	2.97E-03	Yes
	23-Nov-15	5.51E-02	5.98E-03	Yes
	23-Nov-15	8.38E-03	3.72E-03	No
	7-Dec-15	2.95E-02	3.94E-03	Yes
	7-Dec-15	1.36E-02	2.54E-03	Yes
	21-Dec-15	9.35E-02	5.18E-03	Yes
	21-Dec-15	7.89E-03	3.51E-03	No
	4-Jan-16	4.41E-02	6.22E-03	Yes
	4-Jan-16	2.97E-03	2.53E-03	No
292-H Main Stack (195ft)	21-Jan-15	1.69E-01	1.84E-02	Yes
	21-Jan-15	1.63E-02	6.85E-03	No
	4-Feb-15	1.98E-01	1.93E-02	Yes
	4-Feb-15	7.62E-02	1.38E-02	Yes
	18-Feb-15	1.82E-01	2.00E-02	Yes
	18-Feb-15	1.73E-02	4.69E-03	No
	4-Mar-15	1.91E-01	2.18E-02	Yes
	4-Mar-15	6.41E-02	1.26E-02	Yes
	18-Mar-15	6.27E-01	4.65E-02	Yes
	18-Mar-15	6.27E-03	4.27E-03	No
	1-Apr-15	1.98E-01	2.03E-02	Yes
	1-Apr-15	1.04E-01	1.35E-02	Yes
	15-Apr-15	2.08E-01	1.90E-02	Yes
	15-Apr-15	3.41E-01	2.77E-02	Yes
	29-Apr-15	2.62E-01	2.37E-02	Yes
	29-Apr-15	1.60E-01	1.90E-02	Yes
	13-May-15	5.16E-01	3.11E-02	Yes
	13-May-15	1.32E-02	2.49E-02	No
	27-May-15	2.89E-01	2.55E-02	Yes
	27-May-15	1.59E-01	1.86E-02	Yes
	10-Jun-15	7.41E-01	5.39E-02	Yes
	10-Jun-15	2.42E-02	9.28E-03	No
	24-Jun-15	8.24E-01	5.98E-02	Yes
	24-Jun-15	9.35E-03	5.23E-03	No
	8-Jul-15	7.24E-01	5.37E-02	Yes
	8-Jul-15	9.05E-03	1.00E-02	No
	22-Jul-15	7.62E-01	5.57E-02	Yes
	22-Jul-15	3.38E-03	5.25E-03	No
	5-Aug-15	5.51E-01	4.13E-02	Yes
	5-Aug-15	8.81E-03	4.84E-03	No
	19-Aug-15	5.95E-01	4.48E-02	Yes

Location	Sample Date	I-129		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
292-H Main Stack (195ft)	19-Aug-15	-4.78E-03	4.37E-03	No
	2-Sep-15	1.73E-02	2.92E-03	Yes
	2-Sep-15	5.22E-01	3.96E-02	Yes
	16-Sep-15	2.49E-01	1.40E-02	Yes
	16-Sep-15	1.47E-01	1.42E-02	Yes
	4-Oct-15	3.08E-01	2.89E-02	Yes
	4-Oct-15	4.14E-02	1.23E-02	Yes
	14-Oct-15	1.62E-01	1.16E-02	Yes
	14-Oct-15	7.95E-02	1.84E-02	Yes
	28-Oct-15	1.47E-01	7.70E-03	Yes
	28-Oct-15	1.29E-01	8.67E-03	Yes
	11-Nov-15	1.31E-01	8.88E-03	Yes
	11-Nov-15	4.86E-02	5.03E-03	Yes
	24-Nov-15	1.48E-01	2.10E-02	Yes
	24-Nov-15	6.86E-02	6.19E-03	Yes
	9-Dec-15	1.37E-01	1.23E-02	Yes
	9-Dec-15	2.73E-02	3.73E-03	Yes
	22-Dec-15	1.51E-01	1.01E-02	Yes
	22-Dec-15	1.72E-02	2.35E-03	Yes
	6-Jan-16	2.63E-01	1.47E-02	Yes
	6-Jan-16	6.51E-02	1.20E-02	Yes
791-A Sandfilter Discharge	6-Jan-15	4.81E-04	3.57E-03	No
	10-Feb-15	1.23E-03	3.54E-03	No
	17-Feb-15	5.73E-04	3.80E-03	No
	24-Feb-15	4.70E-03	2.67E-03	No
	3-Mar-15	1.03E-02	5.92E-03	No
	10-Mar-15	-2.86E-03	1.95E-03	No
	17-Mar-15	7.78E-03	4.26E-03	No
	24-Mar-15	1.37E-04	3.06E-03	No
	31-Mar-15	-4.43E-03	2.96E-03	No
	14-Apr-15	1.85E-03	1.41E-03	No
	21-Apr-15	5.70E-03	3.51E-03	No
	28-Apr-15	1.07E-02	3.07E-03	No
	5-May-15	8.81E-03	4.05E-03	No
	12-May-15	6.73E-03	3.05E-03	No
	19-May-15	7.22E-04	2.99E-03	No
	26-May-15	-1.35E-03	3.05E-03	No
	9-Jun-15	2.03E-03	1.88E-03	No
	16-Jun-15	2.24E-03	2.96E-03	No
	23-Jun-15	9.19E-03	5.01E-03	No
	30-Jun-15	4.11E-03	4.59E-03	No
	7-Jul-15	4.43E-03	4.02E-03	No

Location	Sample Date	I-129		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
791-A Sandfilter Discharge	14-Jul-15	3.22E-03	3.12E-03	No
	21-Jul-15	-2.51E-03	4.67E-03	No
	28-Jul-15	1.84E-02	3.74E-03	Yes
	4-Aug-15	1.74E-04	3.21E-03	No
	11-Aug-15	6.51E-03	3.75E-03	No
	18-Aug-15	1.81E-02	6.39E-03	Yes
	25-Aug-15	3.78E-03	3.12E-03	No
	1-Sep-15	4.70E-03	3.28E-03	No
	8-Sep-15	-5.89E-04	3.48E-03	No
	15-Sep-15	6.97E-03	3.31E-03	No
	23-Sep-15	1.16E-02	4.20E-03	Yes
	30-Sep-15	1.81E-02	8.48E-03	No
	13-Oct-15	3.68E-03	1.75E-03	No
	20-Oct-15	-6.41E-03	6.92E-03	No
	27-Oct-15	1.20E-02	3.77E-03	Yes
	3-Nov-15	2.50E-03	2.81E-03	No
	10-Nov-15	-1.63E-03	3.34E-03	No
	17-Nov-15	7.84E-03	3.24E-03	No
	24-Nov-15	4.57E-03	2.83E-03	No
	1-Dec-15	-1.80E-03	6.29E-03	No
	8-Dec-15	2.73E-03	3.22E-03	No
	15-Dec-15	1.04E-02	4.14E-03	No
	22-Dec-15	1.05E-02	4.05E-03	No
	29-Dec-15	4.95E-03	5.69E-03	No

Table 14 Radioactivity in Air Emission Samples (continued)

Location	Sample Date	Th-228			Th-230		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
KIS STACK	5-Jan-15	9.97E-05	6.96E-05	No	2.17E-04	6.28E-05	Yes
	12-Jan-15	1.81E-04	6.78E-05	No	2.18E-04	6.44E-05	Yes
	19-Jan-15	1.11E-04	4.53E-05	No	3.03E-04	7.63E-05	Yes
	26-Jan-15	-7.35E-07	9.13E-07	No	1.80E-04	6.17E-05	Yes
	2-Feb-15	5.92E-05	5.54E-05	No	2.07E-04	6.56E-05	Yes
	9-Feb-15	1.26E-04	8.39E-05	No	2.39E-04	7.75E-05	Yes
	16-Feb-15	1.19E-04	5.18E-05	No	2.32E-04	6.13E-05	Yes
	23-Feb-15	-9.11E-05	8.23E-05	No	1.69E-04	5.42E-05	Yes
	2-Mar-15	-3.32E-05	6.86E-05	No	5.81E-04	1.05E-04	Yes
	9-Mar-15	1.66E-04	7.52E-05	No	4.19E-04	1.12E-04	Yes
	16-Mar-15	3.95E-05	4.42E-05	No	1.57E-04	5.39E-05	Yes
	23-Mar-15	4.57E-05	8.72E-05	No	1.55E-04	5.57E-05	Yes
	30-Mar-15	1.75E-04	5.69E-05	No	3.78E-04	9.04E-05	Yes
	6-Apr-15	3.35E-05	9.17E-05	No	5.22E-04	1.06E-04	Yes
	13-Apr-15	-5.05E-06	4.44E-05	No	3.76E-04	8.34E-05	Yes
	20-Apr-15	1.33E-04	9.67E-05	No	6.46E-04	1.21E-04	Yes
	27-Apr-15	2.14E-04	9.40E-05	No	4.32E-04	9.28E-05	Yes
	4-May-15	2.18E-04	8.26E-05	No	6.46E-04	1.36E-04	Yes
	11-May-15	1.36E-04	7.07E-05	No	3.46E-04	8.59E-05	Yes
	18-May-15	1.91E-04	9.40E-05	No	5.19E-04	1.15E-04	Yes
	25-May-15	-1.42E-06	1.65E-06	No	4.97E-04	1.05E-04	Yes
	1-Jun-15	3.24E-04	1.29E-04	Yes	4.41E-04	1.19E-04	Yes
	8-Jun-15	5.46E-05	7.89E-05	No	3.62E-04	1.12E-04	Yes
	15-Jun-15	1.16E-04	7.33E-05	No	4.73E-04	1.05E-04	Yes
	22-Jun-15	3.41E-06	5.56E-05	No	1.40E-04	4.98E-05	Yes
	29-Jun-15	4.35E-05	7.80E-05	No	1.74E-04	6.70E-05	Yes
	6-Jul-15	9.27E-05	6.50E-05	No	2.01E-04	7.49E-05	Yes
	13-Jul-15	1.91E-04	1.25E-04	No	2.92E-04	9.52E-05	Yes
	20-Jul-15	1.17E-04	6.18E-05	No	5.49E-04	1.15E-04	Yes
	27-Jul-15	7.57E-05	1.16E-04	No	5.95E-04	1.34E-04	Yes
	3-Aug-15	1.16E-04	8.96E-05	No	6.86E-04	1.55E-04	Yes
	10-Aug-15	2.08E-05	9.52E-05	No	5.84E-04	1.44E-04	Yes
	17-Aug-15	2.07E-04	9.40E-05	No	2.81E-04	7.91E-05	Yes
	24-Aug-15	1.56E-04	6.49E-05	No	3.05E-04	8.63E-05	Yes
	31-Aug-15	1.54E-04	7.41E-05	No	3.05E-04	9.00E-05	Yes
	7-Sep-15	8.59E-05	5.88E-05	No	6.22E-04	1.27E-04	Yes
	14-Sep-15	1.14E-04	5.82E-05	No	6.00E-04	1.22E-04	Yes
	21-Sep-15	8.14E-05	5.85E-05	No	4.14E-04	1.07E-04	Yes
	28-Sep-15	1.89E-04	1.02E-04	No	7.03E-04	1.38E-04	Yes

Location	Sample Date	Th-228			Th-230		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
KIS STACK	5-Oct-15	8.76E-05	6.34E-05	No	3.46E-04	9.52E-05	Yes
	12-Oct-15	1.38E-05	6.40E-05	No	5.11E-04	1.17E-04	Yes
	19-Oct-15	6.22E-05	1.04E-04	No	4.27E-04	1.03E-04	Yes
	26-Oct-15	7.19E-05	7.81E-05	No	3.95E-04	1.02E-04	Yes
	2-Nov-15	9.41E-05	9.21E-05	No	6.00E-04	1.25E-04	Yes
	9-Nov-15	1.24E-05	1.17E-04	No	6.27E-04	1.34E-04	Yes
	16-Nov-15	9.24E-05	8.59E-05	No	4.59E-04	1.14E-04	Yes
	23-Nov-15	-3.24E-05	1.14E-04	No	4.51E-04	1.18E-04	Yes
	30-Nov-15	3.46E-05	7.75E-05	No	4.81E-04	1.10E-04	Yes
	7-Dec-15	1.20E-04	1.36E-04	No	5.78E-04	1.28E-04	Yes
	14-Dec-15	5.89E-05	7.08E-05	No	1.78E-04	6.83E-05	Yes
	21-Dec-15	8.65E-05	6.96E-05	No	2.67E-04	7.69E-05	Yes
	28-Dec-15	-2.23E-04	1.23E-04	No	2.06E-04	7.25E-05	Yes
	4-Jan-16	1.37E-04	6.85E-05	No	1.00E-03	1.82E-04	Yes

Table 14 Radioactivity in Air Emission Samples (continued)

Location	Sample Date	Th-232		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
KIS STACK	5-Jan-15	1.27E-04	4.57E-05	Yes
	12-Jan-15	1.21E-04	4.19E-05	Yes
	19-Jan-15	1.38E-04	4.92E-05	Yes
	26-Jan-15	9.65E-05	4.26E-05	Yes
	2-Feb-15	1.57E-04	4.86E-05	Yes
	9-Feb-15	1.85E-04	5.48E-05	Yes
	16-Feb-15	1.11E-04	4.00E-05	Yes
	23-Feb-15	1.12E-04	4.05E-05	Yes
	2-Mar-15	8.62E-05	3.62E-05	Yes
	9-Mar-15	2.56E-05	2.65E-05	No
	16-Mar-15	5.89E-05	3.03E-05	No
	23-Mar-15	1.15E-04	4.37E-05	Yes
	30-Mar-15	9.08E-05	3.75E-05	Yes
	6-Apr-15	1.03E-04	3.96E-05	Yes
	13-Apr-15	8.73E-05	3.67E-05	Yes
	20-Apr-15	4.03E-05	3.29E-05	No
	27-Apr-15	7.76E-05	3.77E-05	Yes
	4-May-15	8.16E-05	4.56E-05	No
	11-May-15	8.46E-05	3.59E-05	Yes
	18-May-15	1.32E-04	5.32E-05	Yes
	25-May-15	1.11E-04	4.25E-05	Yes
	1-Jun-15	1.71E-04	6.40E-05	Yes
	8-Jun-15	1.39E-04	5.34E-05	Yes
	15-Jun-15	1.49E-05	1.50E-05	No
	22-Jun-15	7.00E-05	2.89E-05	Yes
	29-Jun-15	1.49E-04	5.34E-05	Yes
	6-Jul-15	1.48E-04	5.80E-05	Yes
	13-Jul-15	1.02E-04	5.02E-05	Yes
	20-Jul-15	1.46E-04	4.97E-05	Yes
	27-Jul-15	1.67E-04	5.68E-05	Yes
	3-Aug-15	1.32E-04	5.73E-05	Yes
	10-Aug-15	6.65E-06	2.40E-05	No
	17-Aug-15	9.11E-05	4.10E-05	Yes
	24-Aug-15	9.92E-05	4.47E-05	Yes
	31-Aug-15	6.05E-05	3.98E-05	No
	7-Sep-15	1.34E-04	5.22E-05	Yes
	14-Sep-15	1.85E-04	6.06E-05	Yes
	21-Sep-15	6.16E-05	3.59E-05	No
	28-Sep-15	1.60E-04	5.76E-05	Yes
	5-Oct-15	1.15E-04	4.75E-05	Yes
	12-Oct-15	2.00E-04	6.41E-05	Yes

Location	Sample Date	Th-232		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
KIS STACK	19-Oct-15	2.54E-04	6.94E-05	Yes
	26-Oct-15	1.35E-04	5.14E-05	Yes
	2-Nov-15	1.39E-04	5.34E-05	Yes
	9-Nov-15	1.60E-04	5.76E-05	Yes
	16-Nov-15	1.54E-04	5.58E-05	Yes
	23-Nov-15	1.58E-04	5.96E-05	Yes
	30-Nov-15	7.38E-05	4.90E-05	No
	7-Dec-15	1.17E-04	5.63E-05	Yes
	14-Dec-15	3.70E-05	2.72E-05	No
	21-Dec-15	1.22E-04	5.39E-05	Yes
	28-Dec-15	1.42E-04	5.52E-05	Yes
	4-Jan-16	1.91E-04	6.55E-05	Yes

Table 14 Radioactivity in Air Emission Samples (continued)

Location	Sample Date	U-234			U-235		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
210-Z Building Stack	11-Feb-15	8.86E-04	3.57E-04	No	0.00E+00	1.32E-04	No
	19-May-15	5.19E-04	2.89E-04	No	5.03E-05	1.81E-04	No
	12-Aug-15	9.35E-04	3.82E-04	Yes	1.59E-04	1.60E-04	No
	18-Nov-15	2.56E-03	7.77E-04	Yes	1.38E-04	3.83E-04	No
221-S Personnel Area (Zone 2)	2-Feb-15	7.57E-04	3.30E-04	No	1.48E-04	1.48E-04	No
	20-Apr-15	5.38E-04	3.14E-04	No	1.62E-04	1.62E-04	No
	3-Aug-15	1.02E-03	4.30E-04	Yes	1.66E-04	1.66E-04	No
	19-Oct-15	1.74E-03	3.61E-04	Yes	1.18E-03	3.36E-04	Yes
235-F Sandfilter Discharge	6-Jan-15	3.03E-05	1.71E-05	No	1.59E-05	1.13E-05	No
	13-Jan-15	4.73E-05	1.82E-05	No	8.35E-06	8.37E-06	No
	20-Jan-15	6.11E-05	1.99E-05	Yes	1.47E-05	1.08E-05	No
	27-Jan-15	3.00E-05	1.37E-05	No	-3.86E-07	4.61E-07	No
	3-Feb-15	1.85E-05	1.57E-05	No	2.51E-05	1.63E-05	No
	10-Feb-15	2.66E-05	1.26E-05	No	0.00E+00	6.72E-06	No
	17-Feb-15	3.92E-05	1.57E-05	Yes	9.46E-06	1.11E-05	No
	24-Feb-15	3.16E-05	1.59E-05	No	1.01E-05	1.18E-05	No
	3-Mar-15	5.16E-05	2.02E-05	Yes	7.03E-06	7.46E-06	No
	10-Mar-15	8.97E-05	2.50E-05	Yes	-5.65E-06	5.30E-06	No
	17-Mar-15	3.95E-05	1.50E-05	Yes	6.95E-06	6.96E-06	No
	24-Mar-15	4.46E-05	1.78E-05	Yes	7.49E-06	1.56E-05	No
	31-Mar-15	1.67E-05	1.38E-05	No	1.29E-05	1.52E-05	No
	7-Apr-15	5.84E-05	1.79E-05	Yes	1.96E-05	1.14E-05	No
	14-Apr-15	1.14E-05	1.32E-05	No	6.73E-06	7.12E-06	No
	21-Apr-15	3.00E-05	1.37E-05	No	7.11E-06	7.52E-06	No
	28-Apr-15	1.78E-05	1.21E-05	No	0.00E+00	6.78E-06	No
	5-May-15	2.29E-05	1.22E-05	No	-9.84E-06	7.02E-06	No
	12-May-15	-1.03E-06	1.15E-06	No	7.08E-06	7.08E-06	No
	19-May-15	5.46E-05	1.95E-05	Yes	7.27E-06	7.28E-06	No
	26-May-15	5.35E-05	1.81E-05	Yes	6.95E-06	7.38E-06	No
	2-Jun-15	1.55E-05	1.29E-05	No	-3.62E-07	4.04E-07	No
	9-Jun-15	5.43E-06	6.10E-06	No	0.00E+00	7.21E-06	No
	16-Jun-15	3.51E-05	1.49E-05	Yes	7.35E-06	7.36E-06	No
	23-Jun-15	2.43E-05	1.35E-05	No	1.18E-05	1.40E-05	No
	30-Jun-15	2.16E-05	1.44E-05	No	-1.50E-05	8.44E-06	No
	7-Jul-15	1.75E-05	1.01E-05	No	-3.95E-07	4.42E-07	No
	14-Jul-15	4.43E-05	1.77E-05	Yes	1.45E-05	1.06E-05	No
	21-Jul-15	1.16E-05	8.63E-06	No	-5.78E-06	5.02E-06	No
	28-Jul-15	1.25E-05	1.04E-05	No	8.30E-06	1.08E-05	No
	4-Aug-15	2.68E-05	1.24E-05	No	-8.08E-07	8.96E-07	No
	11-Aug-15	2.40E-05	1.34E-05	No	7.00E-06	7.02E-06	No

Location	Sample Date	U-234			U-235		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
235-F Sandfilter Discharge	18-Aug-15	4.32E-05	1.79E-05	Yes	1.31E-05	9.71E-06	No
	25-Aug-15	2.09E-05	1.67E-05	No	-4.78E-07	5.28E-07	No
	1-Sep-15	5.41E-05	1.91E-05	Yes	1.35E-05	1.00E-05	No
	8-Sep-15	4.30E-05	1.72E-05	Yes	6.57E-06	7.13E-06	No
	15-Sep-15	1.95E-05	1.03E-05	No	1.25E-05	8.84E-06	No
	22-Sep-15	3.24E-05	1.60E-05	No	2.55E-06	9.21E-06	No
	29-Sep-15	2.61E-05	1.22E-05	No	0.00E+00	6.24E-06	No
	6-Oct-15	2.47E-05	1.39E-05	No	1.45E-05	1.03E-05	No
	13-Oct-15	2.61E-05	1.46E-05	No	1.52E-05	1.08E-05	No
	20-Oct-15	2.95E-05	1.43E-05	No	4.11E-05	1.70E-05	Yes
	27-Oct-15	5.49E-05	1.82E-05	Yes	6.14E-06	6.99E-06	No
	3-Nov-15	4.24E-05	1.76E-05	Yes	-7.32E-07	8.20E-07	No
	10-Nov-15	5.70E-05	2.06E-05	Yes	-5.84E-06	5.13E-06	No
	17-Nov-15	7.70E-05	2.39E-05	Yes	7.14E-06	7.55E-06	No
	24-Nov-15	2.26E-05	1.50E-05	No	1.99E-05	1.69E-05	No
	1-Dec-15	1.88E-05	1.12E-05	No	2.36E-05	1.38E-05	No
	8-Dec-15	5.43E-05	1.77E-05	Yes	6.76E-06	6.77E-06	No
	15-Dec-15	3.03E-05	1.39E-05	No	-5.03E-06	1.47E-05	No
	22-Dec-15	2.30E-05	1.16E-05	No	2.36E-06	8.54E-06	No
	29-Dec-15	2.29E-05	1.15E-05	No	0.00E+00	6.82E-06	No
241-278H Caustic Extraction	12-Mar-15	7.65E-05	3.36E-05	Yes	-7.27E-07	8.63E-07	No
	10-Sep-15	1.23E-04	3.79E-05	Yes	2.84E-05	2.32E-05	No
241-81H ETP Process Stack	21-Dec-15	6.73E-05	3.02E-05	Yes	-8.30E-06	8.41E-06	No
241-84H ETP Lab Stack	21-Dec-15	1.21E-04	3.58E-05	Yes	2.92E-05	2.32E-05	No
250-S Glass Waste Bldg #1488	26-May-15	1.11E-03	4.24E-04	Yes	1.86E-04	1.96E-04	No
250-S Glass Waste Bldg #1509	2-Jun-15	4.86E-04	3.09E-04	No	-1.29E-04	1.20E-04	No
250-S Glass Waste Bldg #3928	11-May-15	2.61E-04	2.08E-04	No	1.31E-04	1.39E-04	No
250-S Glass Waste Bldg #3940	18-May-15	1.34E-03	4.13E-04	Yes	4.27E-05	1.81E-04	No
251-S Glass Waste Bldg2 Vault A	2-Jun-15	4.27E-05	2.05E-05	No	2.84E-06	1.19E-05	No
251-S Glass Waste Bldg2 Vault B	26-May-15	3.14E-05	1.41E-05	No	-3.62E-07	4.08E-07	No
251-S Glass Waste Bldg2 Vault C	18-May-15	5.22E-05	2.01E-05	Yes	-1.03E-05	7.02E-06	No
251-S Glass Waste	11-May-15	5.73E-05	2.06E-05	Yes	2.49E-06	1.06E-05	No

Location	Sample Date	U-234			U-235		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
Bldg2 Vault D							
291-F Stack Isokinetic	5-Jan-15	3.41E-03	3.73E-04	Yes	3.32E-04	9.93E-05	Yes
	12-Jan-15	7.05E-04	1.41E-04	Yes	5.76E-05	4.10E-05	No
	19-Jan-15	1.92E-03	2.47E-04	Yes	1.69E-04	7.49E-05	No
	26-Jan-15	5.11E-05	4.11E-05	No	-1.34E-06	1.58E-06	No
	2-Feb-15	2.48E-04	7.72E-05	Yes	8.24E-05	4.89E-05	No
	9-Feb-15	3.62E-04	9.36E-05	Yes	2.78E-05	2.80E-05	No
	16-Feb-15	3.84E-04	9.67E-05	Yes	-3.41E-06	4.10E-06	No
	23-Feb-15	2.66E-04	9.24E-05	Yes	-3.95E-05	2.56E-05	No
	2-Mar-15	2.32E-03	2.85E-04	Yes	2.92E-04	9.86E-05	Yes
	9-Mar-15	1.80E-03	2.34E-04	Yes	1.33E-04	6.03E-05	Yes
	16-Mar-15	1.25E-04	5.65E-05	No	3.08E-05	3.09E-05	No
	23-Mar-15	1.16E-04	7.04E-05	No	2.59E-05	2.77E-05	No
	30-Mar-15	1.28E-03	1.94E-04	Yes	1.71E-04	7.56E-05	Yes
	6-Apr-15	1.58E-04	6.09E-05	No	2.78E-05	2.80E-05	No
	13-Apr-15	1.57E-04	6.87E-05	No	0.00E+00	2.89E-05	No
	20-Apr-15	2.33E-03	2.89E-04	Yes	1.73E-04	7.18E-05	Yes
	27-Apr-15	1.17E-04	5.62E-05	No	-4.30E-07	4.80E-07	No
	4-May-15	1.36E-04	6.55E-05	No	-2.15E-05	2.11E-05	No
	11-May-15	1.85E-04	7.65E-05	Yes	8.89E-05	5.17E-05	No
	18-May-15	1.34E-04	6.69E-05	No	1.94E-05	4.95E-05	No
	25-May-15	1.40E-04	6.20E-05	Yes	5.32E-05	3.94E-05	No
	1-Jun-15	1.62E-04	6.27E-05	Yes	-1.15E-05	3.95E-05	No
	8-Jun-15	8.89E-05	6.07E-05	No	9.19E-05	5.33E-05	No
	15-Jun-15	8.38E-05	5.51E-05	No	0.00E+00	3.15E-05	No
	22-Jun-15	1.99E-04	7.99E-05	Yes	4.19E-05	5.28E-05	No
	29-Jun-15	1.21E-04	5.80E-05	No	3.46E-05	4.42E-05	No
	6-Jul-15	8.14E-04	1.52E-04	Yes	8.68E-05	5.04E-05	No
	13-Jul-15	6.76E-05	4.02E-05	No	2.84E-05	2.83E-05	No
	20-Jul-15	6.49E-05	3.85E-05	No	2.70E-05	2.72E-05	No
	27-Jul-15	1.06E-04	6.06E-05	No	0.00E+00	2.65E-05	No
	3-Aug-15	2.56E-04	7.88E-05	Yes	9.43E-05	6.10E-05	No
	10-Aug-15	1.92E-04	6.52E-05	Yes	2.50E-05	2.65E-05	No
	17-Aug-15	1.70E-04	6.52E-05	Yes	2.86E-05	3.02E-05	No
	24-Aug-15	4.84E-05	3.95E-05	No	0.00E+00	2.47E-05	No
	28-Aug-15	1.98E-04	1.01E-04	Yes	1.27E-04	7.69E-05	No
	31-Aug-15	2.81E-04	1.29E-04	No	-4.68E-05	4.70E-05	No
	7-Sep-15	1.23E-04	5.96E-05	No	0.00E+00	2.52E-05	No
	14-Sep-15	8.89E-05	4.55E-05	No	0.00E+00	2.52E-05	No
	21-Sep-15	2.59E-04	8.55E-05	Yes	-3.97E-05	2.61E-05	No
	28-Sep-15	1.95E-04	7.37E-05	Yes	-1.49E-06	1.65E-06	No

Location	Sample Date	U-234			U-235		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
291-F Stack Isokinetic	5-Oct-15	2.52E-03	2.89E-04	Yes	3.11E-04	9.67E-05	Yes
	12-Oct-15	1.06E-03	1.68E-04	Yes	7.78E-06	3.30E-05	No
	19-Oct-15	5.35E-05	4.48E-05	No	-1.29E-06	1.43E-06	No
	26-Oct-15	2.92E-04	8.31E-05	Yes	-3.84E-05	2.62E-05	No
	2-Nov-15	1.09E-03	1.74E-04	Yes	6.78E-05	5.43E-05	No
	12-Nov-15	3.62E-03	3.28E-04	Yes	2.78E-04	7.49E-05	Yes
	16-Nov-15	9.57E-04	1.96E-04	Yes	1.32E-04	7.65E-05	No
	23-Nov-15	5.76E-05	5.01E-05	No	3.70E-05	4.34E-05	No
	30-Nov-15	6.24E-05	4.08E-05	No	-1.87E-05	1.89E-05	No
	7-Dec-15	1.64E-03	2.12E-04	Yes	1.80E-04	7.24E-05	Yes
	14-Dec-15	7.11E-04	1.24E-04	Yes	6.95E-05	4.04E-05	No
	21-Dec-15	2.21E-04	7.18E-05	Yes	2.73E-05	2.74E-05	No
	28-Dec-15	1.68E-04	5.76E-05	Yes	3.08E-05	3.64E-05	No
	4-Jan-16	1.78E-03	2.18E-04	Yes	1.70E-04	6.54E-05	Yes
291-H Stack Isokinetic	8-Jan-15	2.62E-05	2.28E-05	No	1.26E-05	1.26E-05	No
	15-Jan-15	8.35E-05	3.53E-05	Yes	-9.05E-06	9.09E-06	No
	22-Jan-15	1.55E-04	4.03E-05	Yes	3.38E-06	1.45E-05	No
	28-Jan-15	9.95E-05	3.60E-05	Yes	6.08E-05	3.12E-05	No
	5-Feb-15	9.97E-05	3.34E-05	Yes	-5.76E-07	6.84E-07	No
	12-Feb-15	7.24E-05	3.00E-05	Yes	1.49E-05	1.50E-05	No
	19-Feb-15	5.65E-05	2.85E-05	No	1.18E-05	1.38E-05	No
	26-Feb-15	9.08E-05	3.19E-05	Yes	2.56E-06	1.54E-05	No
	5-Mar-15	7.97E-05	3.21E-05	Yes	1.34E-05	1.35E-05	No
	12-Mar-15	1.83E-05	2.17E-05	No	1.81E-05	2.12E-05	No
	19-Mar-15	4.27E-05	2.15E-05	No	0.00E+00	1.16E-05	No
	26-Mar-15	5.57E-05	2.38E-05	Yes	3.24E-06	1.41E-05	No
	2-Apr-15	4.65E-05	2.63E-05	No	-9.81E-06	9.13E-06	No
	9-Apr-15	7.03E-05	3.28E-05	Yes	1.24E-05	1.24E-05	No
	16-Apr-15	8.70E-05	3.29E-05	Yes	1.29E-05	1.30E-05	No
	23-Apr-15	3.19E-05	2.23E-05	No	2.54E-05	1.81E-05	No
	30-Apr-15	9.46E-05	3.20E-05	Yes	1.28E-05	1.30E-05	No
	7-May-15	7.54E-05	2.87E-05	Yes	-9.05E-06	8.84E-06	No
	14-May-15	8.43E-05	3.15E-05	Yes	0.00E+00	1.21E-05	No
	21-May-15	8.62E-05	3.09E-05	Yes	-4.43E-06	1.83E-05	No
	28-May-15	4.22E-05	2.94E-05	No	3.89E-05	2.33E-05	No
	4-Jun-15	3.22E-05	1.92E-05	No	-9.89E-06	9.00E-06	No
	11-Jun-15	5.51E-05	2.55E-05	No	-9.22E-06	9.28E-06	No
	18-Jun-15	5.89E-05	3.01E-05	No	-1.74E-05	1.24E-05	No
	25-Jun-15	2.81E-05	2.33E-05	No	1.18E-05	1.32E-05	No
	1-Jul-15	5.95E-05	3.36E-05	No	-1.72E-05	2.40E-05	No
	9-Jul-15	1.12E-04	3.33E-05	Yes	1.15E-05	1.16E-05	No

Location	Sample Date	U-234			U-235		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
291-H Stack Isokinetic	16-Jul-15	1.07E-04	3.49E-05	Yes	1.33E-05	1.33E-05	No
	23-Jul-15	1.04E-04	3.58E-05	Yes	0.00E+00	1.24E-05	No
	30-Jul-15	4.51E-05	2.59E-05	No	4.03E-06	1.45E-05	No
	6-Aug-15	5.78E-05	2.38E-05	Yes	1.52E-05	1.86E-05	No
	13-Aug-15	1.24E-04	3.75E-05	Yes	-5.89E-07	6.49E-07	No
	20-Aug-15	6.27E-05	2.59E-05	Yes	3.73E-06	1.55E-05	No
	27-Aug-15	5.11E-05	2.81E-05	No	1.47E-05	1.47E-05	No
	3-Sep-15	6.49E-05	2.86E-05	Yes	2.55E-05	1.81E-05	No
	10-Sep-15	3.41E-05	2.21E-05	No	0.00E+00	1.20E-05	No
	17-Sep-15	1.37E-04	4.02E-05	Yes	4.24E-06	1.53E-05	No
	24-Sep-15	1.10E-04	3.62E-05	Yes	-1.05E-05	9.21E-06	No
	1-Oct-15	9.03E-05	3.23E-05	Yes	-1.33E-06	1.46E-06	No
	8-Oct-15	9.65E-05	3.43E-05	Yes	3.59E-06	1.55E-05	No
	15-Oct-15	3.32E-05	2.17E-05	No	-6.65E-07	7.35E-07	No
	22-Oct-15	3.35E-05	2.13E-05	No	1.18E-05	1.25E-05	No
	29-Oct-15	1.36E-05	2.50E-05	No	-6.32E-07	7.02E-07	No
	5-Nov-15	6.49E-05	2.82E-05	Yes	2.11E-05	2.50E-05	No
	12-Nov-15	1.21E-04	3.59E-05	Yes	0.00E+00	1.20E-05	No
	19-Nov-15	9.05E-05	3.64E-05	Yes	-1.68E-05	1.19E-05	No
	26-Nov-15	7.24E-05	2.83E-05	Yes	0.00E+00	1.25E-05	No
	3-Dec-15	8.84E-05	3.45E-05	Yes	-1.79E-05	1.28E-05	No
	10-Dec-15	3.95E-05	2.17E-05	No	-4.32E-06	1.78E-05	No
	17-Dec-15	6.24E-05	2.42E-05	Yes	0.00E+00	1.10E-05	No
	24-Dec-15	9.24E-05	3.29E-05	Yes	-8.19E-06	8.21E-06	No
	31-Dec-15	4.62E-05	2.74E-05	No	-2.57E-05	1.83E-05	No
291-S Vit. Process (Zone 1)	2-Feb-15	9.95E-04	4.49E-04	No	8.16E-05	2.95E-04	No
	20-Apr-15	1.29E-03	5.25E-04	Yes	-1.57E-04	1.57E-04	No
	3-Aug-15	-2.10E-05	2.34E-05	No	-1.71E-04	1.72E-04	No
	19-Oct-15	1.82E-03	6.82E-04	Yes	8.97E-05	3.24E-04	No
451-Z Saltstone Vaults	11-Feb-15	1.65E-05	1.17E-05	No	-6.78E-06	6.79E-06	No
	19-May-15	4.68E-05	2.17E-05	No	2.36E-05	1.67E-05	No
	12-Aug-15	2.14E-05	1.30E-05	No	3.03E-06	1.09E-05	No
	18-Nov-15	4.54E-05	2.05E-05	Yes	-6.00E-07	6.65E-07	No
511-S Low Pt. Pump Pit	2-Feb-15	1.50E-03	4.62E-04	Yes	3.92E-04	3.14E-04	No
	20-Apr-15	3.05E-04	2.14E-04	No	0.00E+00	1.16E-04	No
	3-Aug-15	1.57E-03	5.46E-04	Yes	0.00E+00	1.78E-04	No
	19-Oct-15	4.68E-04	2.99E-04	No	1.16E-04	2.96E-04	No
512-S Late Wash	2-Feb-15	4.22E-05	1.63E-05	No	-3.89E-07	4.71E-07	No
	20-Apr-15	2.11E-05	1.46E-05	No	-1.24E-05	7.00E-06	No
	3-Aug-15	4.16E-05	1.97E-05	Yes	4.97E-06	1.27E-05	No
	19-Oct-15	2.21E-06	1.52E-05	No	1.72E-05	1.22E-05	No

Location	Sample Date	U-234			U-235		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
772-4F	5-Jan-15	5.41E-05	2.18E-05	Yes	3.65E-05	1.84E-05	No
	12-Jan-15	7.05E-05	2.56E-05	Yes	1.80E-05	1.28E-05	No
	19-Jan-15	7.35E-05	2.39E-05	Yes	1.16E-05	1.43E-05	No
	26-Jan-15	7.41E-05	2.40E-05	Yes	-1.27E-05	8.63E-06	No
	2-Feb-15	1.48E-05	1.72E-05	No	-4.76E-07	5.66E-07	No
	9-Feb-15	3.89E-05	1.95E-05	Yes	1.85E-05	1.32E-05	No
	16-Feb-15	2.49E-05	1.67E-05	No	0.00E+00	9.24E-06	No
	23-Feb-15	8.03E-05	2.63E-05	Yes	1.77E-05	1.26E-05	No
	2-Mar-15	2.63E-05	1.77E-05	No	8.49E-06	1.86E-05	No
	9-Mar-15	7.11E-05	2.52E-05	Yes	8.97E-06	9.52E-06	No
	16-Mar-15	1.70E-05	1.42E-05	No	-6.24E-06	6.25E-06	No
	23-Mar-15	3.97E-05	2.04E-05	No	8.84E-06	8.84E-06	No
	30-Mar-15	3.78E-05	1.71E-05	No	0.00E+00	8.25E-06	No
	6-Apr-15	5.62E-05	2.01E-05	Yes	5.78E-06	1.48E-05	No
	13-Apr-15	5.41E-05	2.18E-05	No	-4.24E-07	5.15E-07	No
	20-Apr-15	2.89E-05	1.47E-05	No	2.56E-06	1.08E-05	No
	27-Apr-15	-1.07E-05	6.75E-06	No	8.76E-06	8.76E-06	No
	4-May-15	2.50E-05	1.69E-05	No	0.00E+00	9.44E-06	No
	11-May-15	1.89E-05	1.69E-05	No	-3.11E-06	1.28E-05	No
	18-May-15	2.73E-05	1.42E-05	No	0.00E+00	8.31E-06	No
	25-May-15	4.84E-05	2.11E-05	Yes	-4.59E-07	5.15E-07	No
	1-Jun-15	5.22E-05	2.00E-05	Yes	1.80E-05	1.31E-05	No
	8-Jun-15	1.91E-05	1.65E-05	No	0.00E+00	8.31E-06	No
	15-Jun-15	3.08E-05	1.80E-05	No	1.11E-05	1.31E-05	No
	22-Jun-15	3.68E-05	1.71E-05	No	-6.19E-06	6.19E-06	No
	29-Jun-15	2.81E-05	1.86E-05	No	8.92E-06	9.52E-06	No
	6-Jul-15	3.92E-05	1.88E-05	No	1.77E-05	1.30E-05	No
	13-Jul-15	7.14E-06	1.49E-05	No	-4.95E-07	5.51E-07	No
	20-Jul-15	3.14E-05	1.74E-05	No	1.99E-06	1.10E-05	No
	27-Jul-15	2.84E-05	1.47E-05	No	-1.29E-05	8.43E-06	No
	3-Aug-15	5.03E-05	1.96E-05	Yes	-1.02E-06	1.13E-06	No
	10-Aug-15	4.51E-05	2.40E-05	No	8.92E-06	8.96E-06	No
	17-Aug-15	4.43E-05	1.92E-05	Yes	2.21E-06	1.01E-05	No
	24-Aug-15	2.84E-05	1.79E-05	No	-6.59E-06	6.01E-06	No
	31-Aug-15	5.73E-05	2.36E-05	Yes	1.74E-05	1.28E-05	No
	7-Sep-15	3.76E-05	2.05E-05	No	8.89E-06	9.59E-06	No
	14-Sep-15	5.95E-05	2.27E-05	Yes	-4.49E-07	5.01E-07	No
	21-Sep-15	4.03E-05	1.98E-05	No	-1.94E-05	1.10E-05	No
	28-Sep-15	9.35E-05	2.91E-05	Yes	-3.03E-06	1.25E-05	No
	5-Oct-15	3.81E-05	2.16E-05	No	-1.35E-05	9.56E-06	No
	12-Oct-15	4.46E-05	1.76E-05	Yes	1.07E-05	1.25E-05	No

Location	Sample Date	U-234			U-235		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
772-4F	19-Oct-15	3.59E-05	2.09E-05	No	2.95E-06	1.07E-05	No
	26-Oct-15	8.70E-06	1.17E-05	No	-9.22E-07	1.03E-06	No
	2-Nov-15	7.27E-05	2.49E-05	Yes	-9.73E-06	1.35E-05	No
	9-Nov-15	7.19E-05	2.37E-05	Yes	-1.29E-05	8.50E-06	No
	16-Nov-15	5.65E-05	2.17E-05	Yes	-4.51E-07	5.10E-07	No
	23-Nov-15	6.24E-05	2.41E-05	Yes	1.14E-05	1.40E-05	No
	30-Nov-15	1.15E-05	1.43E-05	No	1.19E-05	1.39E-05	No
	7-Dec-15	2.81E-05	1.45E-05	No	2.95E-06	1.06E-05	No
	14-Dec-15	3.35E-05	1.93E-05	No	8.97E-06	9.00E-06	No
	21-Dec-15	5.78E-05	3.93E-05	No	0.00E+00	1.69E-05	No
	28-Dec-15	6.78E-05	2.38E-05	Yes	2.97E-06	1.08E-05	No
	4-Jan-16	2.26E-05	1.31E-05	No	-6.22E-06	6.30E-06	No
KIS STACK	5-Jan-15	1.55E-04	5.41E-05	Yes	1.81E-05	1.81E-05	No
	12-Jan-15	9.24E-05	3.92E-05	No	1.93E-05	1.93E-05	No
	19-Jan-15	1.25E-04	6.31E-05	No	3.76E-05	3.88E-05	No
	26-Jan-15	8.86E-05	4.54E-05	No	5.19E-06	2.19E-05	No
	2-Feb-15	1.02E-04	3.95E-05	Yes	5.16E-06	2.18E-05	No
	9-Feb-15	2.64E-05	3.05E-05	No	1.63E-05	1.63E-05	No
	16-Feb-15	9.19E-05	4.31E-05	Yes	1.52E-05	1.78E-05	No
	23-Feb-15	8.11E-05	3.50E-05	No	-2.18E-06	2.60E-06	No
	2-Mar-15	9.84E-05	4.50E-05	Yes	0.00E+00	1.74E-05	No
	9-Mar-15	5.84E-05	3.23E-05	No	-2.25E-05	1.60E-05	No
	16-Mar-15	8.49E-05	4.36E-05	Yes	1.79E-05	1.90E-05	No
	23-Mar-15	6.30E-05	3.53E-05	No	5.24E-06	2.21E-05	No
	30-Mar-15	1.10E-04	4.07E-05	Yes	-8.89E-07	1.06E-06	No
	6-Apr-15	9.14E-05	3.80E-05	Yes	0.00E+00	1.83E-05	No
	13-Apr-15	1.64E-04	5.11E-05	Yes	1.85E-05	1.85E-05	No
	20-Apr-15	1.37E-04	4.63E-05	Yes	0.00E+00	1.67E-05	No
	27-Apr-15	1.26E-04	4.52E-05	Yes	-2.81E-07	3.15E-07	No
	4-May-15	4.43E-05	3.54E-05	No	-3.73E-07	4.13E-07	No
	11-May-15	7.30E-05	4.23E-05	No	1.80E-05	1.80E-05	No
	18-May-15	9.24E-05	4.03E-05	Yes	6.00E-06	2.17E-05	No
	25-May-15	1.32E-04	4.79E-05	Yes	6.00E-05	3.59E-05	No
	1-Jun-15	7.97E-05	5.53E-05	No	6.68E-06	3.01E-05	No
	8-Jun-15	1.30E-04	5.98E-05	No	-2.44E-05	3.74E-05	No
	15-Jun-15	6.14E-05	3.42E-05	No	2.38E-05	2.80E-05	No
	22-Jun-15	5.84E-05	3.38E-05	No	1.30E-05	1.46E-05	No
	29-Jun-15	9.86E-05	4.73E-05	No	2.05E-05	2.31E-05	No
	6-Jul-15	2.08E-04	6.65E-05	Yes	2.27E-05	2.27E-05	No
	13-Jul-15	1.45E-04	5.25E-05	Yes	0.00E+00	2.31E-05	No
	20-Jul-15	3.70E-05	3.03E-05	No	0.00E+00	1.94E-05	No

Location	Sample Date	U-234			U-235		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
KIS STACK	27-Jul-15	8.30E-05	4.56E-05	No	7.16E-05	4.17E-05	No
	3-Aug-15	9.49E-05	4.35E-05	No	1.98E-05	2.44E-05	No
	10-Aug-15	1.33E-04	5.40E-05	Yes	4.14E-05	3.27E-05	No
	17-Aug-15	1.28E-04	4.58E-05	Yes	1.87E-05	1.98E-05	No
	24-Aug-15	7.14E-05	3.66E-05	No	-7.43E-06	3.06E-05	No
	31-Aug-15	5.11E-05	5.60E-05	No	8.03E-06	2.89E-05	No
	7-Sep-15	1.24E-04	4.81E-05	Yes	0.00E+00	2.13E-05	No
	14-Sep-15	8.24E-05	5.31E-05	No	3.08E-05	3.09E-05	No
	21-Sep-15	8.35E-05	4.86E-05	No	-4.76E-05	2.26E-05	No
	28-Sep-15	2.16E-04	6.49E-05	Yes	2.76E-05	3.53E-05	No
	5-Oct-15	1.29E-04	5.26E-05	Yes	4.27E-05	3.14E-05	No
	12-Oct-15	1.29E-04	5.03E-05	Yes	-1.17E-06	1.30E-06	No
	19-Oct-15	1.20E-04	5.25E-05	Yes	-1.68E-05	1.57E-05	No
	26-Oct-15	1.36E-04	5.46E-05	Yes	6.49E-06	2.76E-05	No
	2-Nov-15	1.41E-04	5.66E-05	Yes	2.37E-05	2.38E-05	No
	9-Nov-15	2.32E-04	6.84E-05	Yes	7.95E-06	2.86E-05	No
	16-Nov-15	1.22E-04	5.61E-05	Yes	-7.62E-06	3.14E-05	No
	23-Nov-15	9.81E-05	4.55E-05	Yes	2.47E-05	2.47E-05	No
	30-Nov-15	7.11E-05	5.23E-05	No	-4.68E-05	2.74E-05	No
	7-Dec-15	1.42E-04	7.53E-05	No	0.00E+00	3.99E-05	No
	14-Dec-15	6.73E-05	3.47E-05	No	2.11E-05	2.12E-05	No
	21-Dec-15	7.05E-05	3.64E-05	No	0.00E+00	2.21E-05	No
	28-Dec-15	6.70E-05	3.45E-05	No	2.10E-05	2.11E-05	No
	4-Jan-16	8.89E-05	4.02E-05	Yes	8.78E-05	4.43E-05	No
Saltstone SDU-2	11-Feb-15	5.41E-05	2.44E-05	No	-6.68E-06	6.69E-06	No
	19-May-15	5.22E-05	2.20E-05	No	-1.45E-05	1.03E-05	No
	12-Aug-15	5.43E-05	2.50E-05	Yes	2.04E-05	1.45E-05	No
	18-Nov-15	2.59E-05	2.15E-05	No	7.38E-06	2.04E-05	No
Saltstone SDU-5	11-Feb-15	5.41E-06	1.34E-05	No	7.89E-06	7.92E-06	No
	19-May-15	-6.38E-07	7.21E-07	No	-6.73E-06	6.75E-06	No
	12-Aug-15	5.76E-06	6.51E-06	No	0.00E+00	7.64E-06	No
	18-Nov-15	4.08E-05	1.69E-05	Yes	-4.00E-07	4.50E-07	No

Table 14 Radioactivity in Air Emission Samples (continued)

Location	Sample Date	Np-237		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
210-Z Building Stack	11-Feb-15	-1.53E-04	1.07E-04	No
221-S Personnel Area (Zone 2)	2-Feb-15	-9.43E-05	9.24E-05	No
	20-Apr-15	0.00E+00	1.45E-04	No
291-F Stack Isokinetic	5-Jan-15	-4.30E-05	2.57E-05	No
	12-Jan-15	0.00E+00	2.50E-05	No
	19-Jan-15	7.51E-06	4.92E-05	No
	26-Jan-15	-2.95E-05	2.10E-05	No
	2-Feb-15	-1.89E-05	2.89E-05	No
	9-Feb-15	-7.59E-06	2.68E-05	No
	16-Feb-15	-1.55E-05	1.64E-05	No
	23-Feb-15	2.84E-05	3.32E-05	No
	2-Mar-15	2.01E-05	2.01E-05	No
	9-Mar-15	1.05E-04	5.96E-05	No
	16-Mar-15	-3.51E-05	2.54E-05	No
	23-Mar-15	3.11E-05	3.67E-05	No
	30-Mar-15	7.24E-06	2.61E-05	No
	6-Apr-15	4.30E-05	3.05E-05	No
	13-Apr-15	1.53E-05	3.92E-05	No
	20-Apr-15	-1.51E-05	1.52E-05	No
	27-Apr-15	7.41E-06	2.68E-05	No
	4-May-15	2.22E-05	2.22E-05	No
	11-May-15	3.22E-05	3.77E-05	No
	18-May-15	-7.78E-06	3.22E-05	No
	25-May-15	7.97E-05	5.31E-05	No
	1-Jun-15	2.14E-05	2.14E-05	No
	8-Jun-15	-1.31E-05	3.07E-05	No
	15-Jun-15	8.46E-05	6.02E-05	No
	22-Jun-15	4.57E-05	3.40E-05	No
	29-Jun-15	-1.71E-05	1.55E-05	No
	6-Jul-15	-4.81E-05	3.02E-05	No
	13-Jul-15	0.00E+00	2.92E-05	No
	20-Jul-15	-2.10E-05	3.25E-05	No
	27-Jul-15	-4.11E-05	2.49E-05	No
	3-Aug-15	0.00E+00	3.28E-05	No
	10-Aug-15	0.00E+00	2.94E-05	No
	17-Aug-15	2.47E-05	2.47E-05	No
	24-Aug-15	4.43E-05	3.16E-05	No
	28-Aug-15	7.81E-05	9.56E-05	No
	31-Aug-15	-3.68E-05	3.70E-05	No
	7-Sep-15	2.97E-05	3.74E-05	No
	14-Sep-15	-4.97E-05	3.69E-05	No

Location	Sample Date	Np-237		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
291-F Stack Isokinetic	21-Sep-15	6.86E-07	2.62E-05	No
	28-Sep-15	-1.49E-05	1.50E-05	No
	5-Oct-15	0.00E+00	3.08E-05	No
	12-Oct-15	0.00E+00	2.45E-05	No
	19-Oct-15	-5.59E-05	2.76E-05	No
	26-Oct-15	-1.76E-05	1.64E-05	No
	2-Nov-15	-2.30E-05	3.57E-05	No
	12-Nov-15	-4.84E-05	2.27E-05	No
	16-Nov-15	-5.89E-05	5.93E-05	No
	23-Nov-15	5.19E-05	4.14E-05	No
	30-Nov-15	-2.17E-05	3.38E-05	No
	7-Dec-15	4.14E-05	2.92E-05	No
	14-Dec-15	2.44E-05	2.59E-05	No
	21-Dec-15	-3.16E-05	3.02E-05	No
	28-Dec-15	2.67E-05	2.82E-05	No
	4-Jan-16	-3.05E-05	4.46E-05	No
291-H Stack Isokinetic	8-Jan-15	0.00E+00	1.19E-05	No
	15-Jan-15	3.51E-06	1.27E-05	No
	22-Jan-15	-7.19E-06	7.22E-06	No
	28-Jan-15	4.30E-06	1.55E-05	No
	5-Feb-15	-3.11E-05	1.41E-05	No
	12-Feb-15	-7.30E-06	7.10E-06	No
	19-Feb-15	-7.57E-06	8.00E-06	No
	26-Feb-15	7.08E-06	1.81E-05	No
	5-Mar-15	-1.70E-05	1.73E-05	No
	12-Mar-15	-1.19E-05	1.82E-05	No
	19-Mar-15	1.10E-05	1.10E-05	No
	26-Mar-15	0.00E+00	1.37E-05	No
	2-Apr-15	-1.54E-05	1.09E-05	No
	9-Apr-15	-6.51E-06	6.92E-06	No
	16-Apr-15	-2.06E-05	1.24E-05	No
	23-Apr-15	1.29E-05	1.52E-05	No
	30-Apr-15	3.24E-05	1.88E-05	No
	7-May-15	-2.84E-05	1.45E-05	No
	14-May-15	-1.99E-05	1.18E-05	No
	21-May-15	3.24E-06	1.18E-05	No
	28-May-15	-6.41E-06	6.50E-06	No
	4-Jun-15	-7.41E-06	7.51E-06	No
	11-Jun-15	1.17E-05	1.78E-05	No
	18-Jun-15	1.28E-05	1.90E-05	No
	25-Jun-15	-4.19E-06	1.44E-05	No
	1-Jul-15	-1.75E-05	1.18E-05	No

Location	Sample Date	Np-237		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
291-H Stack Isokinetic	9-Jul-15	1.20E-05	1.43E-05	No
	16-Jul-15	-3.22E-06	1.38E-05	No
	23-Jul-15	-3.59E-06	1.50E-05	No
	30-Jul-15	-1.82E-05	1.85E-05	No
	6-Aug-15	2.14E-05	1.52E-05	No
	13-Aug-15	-7.11E-06	7.22E-06	No
	20-Aug-15	0.00E+00	1.28E-05	No
	27-Aug-15	9.73E-06	9.74E-06	No
	3-Sep-15	0.00E+00	1.34E-05	No
	10-Sep-15	-2.32E-05	1.30E-05	No
	17-Sep-15	1.15E-05	1.25E-05	No
	24-Sep-15	4.30E-05	2.60E-05	No
	1-Oct-15	6.00E-05	3.80E-05	No
	8-Oct-15	0.00E+00	1.38E-05	No
	15-Oct-15	0.00E+00	1.17E-05	No
	22-Oct-15	-8.22E-06	7.69E-06	No
	29-Oct-15	-1.43E-05	9.74E-06	No
	5-Nov-15	1.51E-05	1.78E-05	No
	12-Nov-15	1.56E-05	1.84E-05	No
	19-Nov-15	0.00E+00	1.29E-05	No
	26-Nov-15	-1.70E-05	1.72E-05	No
	3-Dec-15	-6.46E-06	1.90E-05	No
	10-Dec-15	-3.92E-06	1.64E-05	No
	17-Dec-15	-6.11E-07	8.55E-07	No
	24-Dec-15	3.57E-06	1.52E-05	No
	31-Dec-15	-6.35E-07	9.56E-07	No
291-S Vit. Process (Zone 1)	2-Feb-15	-4.24E-04	2.44E-04	No
	20-Apr-15	0.00E+00	2.39E-04	No
451-Z Saltstone Vaults	11-Feb-15	-6.32E-06	6.19E-06	No
511-S Low Pt. Pump Pit	2-Feb-15	-2.46E-06	3.76E-06	No
	20-Apr-15	3.00E-05	1.08E-04	No
KIS STACK	5-Jan-15	1.32E-05	1.32E-05	No
	12-Jan-15	-9.41E-06	9.78E-06	No
	19-Jan-15	4.70E-05	2.73E-05	No
	26-Jan-15	1.96E-05	2.30E-05	No
	2-Feb-15	-2.81E-05	1.64E-05	No
	9-Feb-15	-2.45E-07	3.69E-07	No
	16-Feb-15	-1.00E-05	1.06E-05	No
	23-Feb-15	0.00E+00	1.69E-05	No
	2-Mar-15	1.97E-05	2.31E-05	No
	9-Mar-15	4.32E-06	1.56E-05	No
	16-Mar-15	-9.03E-06	9.04E-06	No

Location	Sample Date	Np-237		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
KIS STACK	23-Mar-15	-9.38E-06	9.40E-06	No
	30-Mar-15	3.11E-05	2.22E-05	No
	6-Apr-15	4.97E-06	1.80E-05	No
	13-Apr-15	-3.73E-05	2.72E-05	No
	20-Apr-15	-9.86E-06	2.87E-05	No
	27-Apr-15	0.00E+00	1.59E-05	No
	4-May-15	2.43E-05	2.85E-05	No
	11-May-15	-8.22E-06	8.53E-06	No
	18-May-15	1.47E-05	1.47E-05	No
	25-May-15	3.86E-05	3.08E-05	No
	1-Jun-15	-1.19E-05	1.21E-05	No
	8-Jun-15	2.17E-05	3.29E-05	No
	15-Jun-15	1.55E-05	2.37E-05	No
	22-Jun-15	-7.81E-07	1.16E-06	No
	29-Jun-15	6.05E-05	4.44E-05	No
	6-Jul-15	0.00E+00	2.34E-05	No
	13-Jul-15	-5.92E-06	2.54E-05	No
	20-Jul-15	5.08E-06	1.85E-05	No
	27-Jul-15	-1.16E-05	1.24E-05	No
	3-Aug-15	3.38E-05	3.92E-05	No
	10-Aug-15	-3.92E-05	2.28E-05	No
	17-Aug-15	1.74E-05	1.74E-05	No
	24-Aug-15	1.85E-05	1.85E-05	No
	31-Aug-15	-1.33E-05	1.34E-05	No
	7-Sep-15	-1.46E-05	1.33E-05	No
	14-Sep-15	-1.37E-06	2.11E-06	No
	21-Sep-15	2.95E-05	4.11E-05	No
	28-Sep-15	7.89E-06	3.39E-05	No
	5-Oct-15	2.37E-05	2.78E-05	No
	12-Oct-15	-6.54E-06	2.70E-05	No
	19-Oct-15	2.66E-05	3.25E-05	No
	26-Oct-15	-5.16E-05	2.55E-05	No
	2-Nov-15	-1.21E-05	1.28E-05	No
	9-Nov-15	7.38E-06	2.68E-05	No
	16-Nov-15	2.15E-05	2.15E-05	No
	23-Nov-15	0.00E+00	2.11E-05	No
	30-Nov-15	-1.46E-05	1.55E-05	No
	7-Dec-15	-1.34E-05	1.43E-05	No
	14-Dec-15	-1.14E-06	1.59E-06	No
	21-Dec-15	-1.14E-06	1.56E-06	No
	28-Dec-15	2.29E-05	2.43E-05	No
	4-Jan-16	1.91E-05	2.08E-05	No

Location	Sample Date	Np-237		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
Saltstone SDU-2	11-Feb-15	-1.41E-07	2.18E-07	No

Table 14 Radioactivity in Air Emission Samples (continued)

Location	Sample Date	U-238		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
210-Z Building Stack	11-Feb-15	9.59E-04	3.49E-04	Yes
	19-May-15	7.70E-04	3.34E-04	Yes
	12-Aug-15	8.11E-04	3.55E-04	Yes
	18-Nov-15	2.78E-03	7.57E-04	Yes
221-S Personnel Area (Zone 2)	2-Feb-15	4.32E-04	2.91E-04	No
	20-Apr-15	2.11E-04	2.59E-04	No
	3-Aug-15	5.76E-04	3.15E-04	No
	19-Oct-15	1.31E-03	2.97E-04	Yes
235-F Sandfilter Discharge	6-Jan-15	4.08E-05	1.78E-05	Yes
	13-Jan-15	3.38E-05	1.53E-05	No
	20-Jan-15	5.78E-06	6.16E-06	No
	27-Jan-15	2.97E-05	1.37E-05	No
	3-Feb-15	2.03E-05	1.32E-05	No
	10-Feb-15	1.60E-05	9.63E-06	No
	17-Feb-15	2.24E-05	1.17E-05	No
	24-Feb-15	7.65E-06	9.59E-06	No
	3-Mar-15	2.36E-05	1.21E-05	No
	10-Mar-15	1.89E-05	1.12E-05	No
	17-Mar-15	3.38E-05	1.39E-05	Yes
	24-Mar-15	2.02E-05	1.28E-05	No
	31-Mar-15	3.76E-05	1.54E-05	Yes
	7-Apr-15	3.89E-05	1.55E-05	Yes
	14-Apr-15	1.71E-05	9.97E-06	No
	21-Apr-15	4.22E-05	1.62E-05	Yes
	28-Apr-15	1.88E-05	1.20E-05	No
	5-May-15	3.59E-05	1.48E-05	Yes
	12-May-15	3.62E-05	1.58E-05	Yes
	19-May-15	6.08E-05	2.01E-05	Yes
	26-May-15	2.54E-05	1.39E-05	No
	2-Jun-15	3.46E-05	1.44E-05	Yes
	9-Jun-15	1.80E-05	1.04E-05	No
	16-Jun-15	2.97E-05	1.34E-05	No
	23-Jun-15	3.62E-05	1.57E-05	Yes
	30-Jun-15	3.11E-05	1.51E-05	Yes

Location	Sample Date	U-238		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
235-F Sandfilter Discharge	7-Jul-15	3.08E-05	1.50E-05	Yes
	14-Jul-15	7.62E-06	9.48E-06	No
	21-Jul-15	1.98E-05	1.28E-05	No
	28-Jul-15	1.81E-05	1.17E-05	No
	4-Aug-15	1.96E-05	1.33E-05	No
	11-Aug-15	3.57E-05	1.56E-05	Yes
	18-Aug-15	1.42E-05	1.43E-05	No
	25-Aug-15	2.49E-05	1.62E-05	No
	1-Sep-15	4.86E-05	1.79E-05	Yes
	8-Sep-15	1.48E-05	1.05E-05	No
	15-Sep-15	3.27E-06	8.59E-06	No
	22-Sep-15	3.30E-05	1.59E-05	No
	29-Sep-15	2.66E-05	1.21E-05	No
	6-Oct-15	1.16E-05	8.32E-06	No
	13-Oct-15	2.45E-05	1.24E-05	No
	20-Oct-15	3.14E-05	1.57E-05	Yes
	27-Oct-15	3.41E-06	9.48E-06	No
	3-Nov-15	5.59E-06	5.93E-06	No
	10-Nov-15	6.38E-05	2.13E-05	Yes
	17-Nov-15	6.86E-05	2.18E-05	Yes
	24-Nov-15	3.68E-05	1.52E-05	Yes
	1-Dec-15	2.76E-05	1.49E-05	No
	8-Dec-15	7.65E-05	2.09E-05	Yes
	15-Dec-15	4.27E-05	1.63E-05	Yes
	22-Dec-15	1.91E-06	6.91E-06	No
	29-Dec-15	4.00E-05	1.53E-05	Yes
241-278H Caustic Extraction	12-Mar-15	1.09E-04	3.73E-05	Yes
	10-Sep-15	7.03E-05	2.68E-05	Yes
241-81H ETP Process Stack	21-Dec-15	8.05E-05	2.87E-05	Yes
241-84H ETP Lab Stack	21-Dec-15	4.03E-05	2.02E-05	No
250-S Glass Waste Bldg #1488	26-May-15	5.70E-04	3.85E-04	No
250-S Glass Waste Bldg #1509	2-Jun-15	1.31E-03	4.46E-04	Yes
250-S Glass Waste Bldg #3928	11-May-15	8.86E-04	3.21E-04	Yes
250-S Glass Waste Bldg #3940	18-May-15	6.43E-04	3.12E-04	Yes
251-S Glass Waste Bldg2 Vault A	2-Jun-15	6.35E-05	2.29E-05	Yes
251-S Glass Waste Bldg2 Vault B	26-May-15	5.59E-05	1.91E-05	Yes
251-S Glass Waste Bldg2 Vault C	18-May-15	4.38E-05	1.77E-05	Yes
251-S Glass Waste Bldg2 Vault D	11-May-15	1.63E-05	1.34E-05	No
291-F Stack Isokinetic	5-Jan-15	8.97E-03	7.69E-04	Yes
	12-Jan-15	1.68E-03	2.32E-04	Yes
	19-Jan-15	4.35E-03	4.32E-04	Yes
	26-Jan-15	1.89E-04	7.38E-05	Yes

Location	Sample Date	U-238		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
291-F Stack Isokinetic	2-Feb-15	1.79E-04	6.53E-05	Yes
	9-Feb-15	6.81E-04	1.35E-04	Yes
	16-Feb-15	5.81E-04	1.19E-04	Yes
	23-Feb-15	3.78E-04	9.74E-05	Yes
	2-Mar-15	5.76E-03	5.41E-04	Yes
	9-Mar-15	4.97E-03	4.69E-04	Yes
	16-Mar-15	1.58E-04	6.89E-05	Yes
	23-Mar-15	1.84E-04	6.93E-05	Yes
	30-Mar-15	3.84E-03	3.90E-04	Yes
	6-Apr-15	1.19E-04	5.80E-05	Yes
	13-Apr-15	1.14E-04	6.57E-05	No
	20-Apr-15	5.54E-03	5.17E-04	Yes
	27-Apr-15	1.75E-04	6.27E-05	Yes
	4-May-15	1.79E-04	6.82E-05	Yes
	11-May-15	1.44E-04	5.92E-05	No
	18-May-15	5.49E-05	4.37E-05	No
	25-May-15	1.99E-04	6.85E-05	Yes
	1-Jun-15	5.19E-05	4.35E-05	No
	8-Jun-15	1.82E-04	7.26E-05	Yes
	15-Jun-15	7.73E-05	4.48E-05	No
	22-Jun-15	1.35E-04	6.15E-05	No
	29-Jun-15	5.16E-05	4.23E-05	No
	6-Jul-15	2.39E-03	2.76E-04	Yes
	13-Jul-15	1.91E-04	7.13E-05	Yes
	20-Jul-15	3.62E-05	4.34E-05	No
	27-Jul-15	1.21E-04	5.85E-05	No
	3-Aug-15	1.39E-04	5.74E-05	Yes
	10-Aug-15	1.14E-04	5.45E-05	Yes
	17-Aug-15	4.84E-05	3.44E-05	No
	24-Aug-15	1.62E-04	6.71E-05	Yes
	28-Aug-15	2.89E-04	1.11E-04	Yes
	31-Aug-15	2.84E-04	1.28E-04	No
	7-Sep-15	1.39E-04	5.73E-05	No
	14-Sep-15	2.09E-04	7.35E-05	Yes
	21-Sep-15	6.89E-04	1.32E-04	Yes
	28-Sep-15	3.14E-04	9.13E-05	Yes
	5-Oct-15	6.14E-03	5.21E-04	Yes
	12-Oct-15	2.12E-03	2.54E-04	Yes
	19-Oct-15	2.61E-04	7.46E-05	Yes
	26-Oct-15	6.11E-04	1.25E-04	Yes
	2-Nov-15	2.35E-03	2.77E-04	Yes
	12-Nov-15	1.16E-02	8.12E-04	Yes

Location	Sample Date	U-238		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
291-F Stack Isokinetic	16-Nov-15	2.27E-03	3.15E-04	Yes
	23-Nov-15	8.11E-05	5.47E-05	No
	30-Nov-15	3.41E-04	9.00E-05	Yes
	7-Dec-15	4.19E-03	3.83E-04	Yes
	14-Dec-15	1.72E-03	2.06E-04	Yes
	21-Dec-15	2.21E-04	7.11E-05	Yes
	28-Dec-15	2.44E-04	6.90E-05	Yes
	4-Jan-16	4.68E-03	4.10E-04	Yes
291-H Stack Isokinetic	8-Jan-15	3.24E-05	2.18E-05	No
	15-Jan-15	5.35E-05	2.52E-05	No
	22-Jan-15	5.78E-05	2.42E-05	No
	28-Jan-15	4.08E-05	2.64E-05	No
	5-Feb-15	2.84E-05	1.69E-05	No
	12-Feb-15	2.36E-05	1.72E-05	No
	19-Feb-15	5.84E-05	2.80E-05	Yes
	26-Feb-15	3.76E-05	2.50E-05	No
	5-Mar-15	9.78E-05	3.32E-05	Yes
	12-Mar-15	8.76E-05	3.15E-05	Yes
	19-Mar-15	5.32E-05	2.40E-05	No
	26-Mar-15	4.08E-05	2.22E-05	No
	2-Apr-15	5.51E-05	2.50E-05	No
	9-Apr-15	4.97E-05	2.28E-05	No
	16-Apr-15	2.03E-05	2.42E-05	No
	23-Apr-15	2.69E-05	2.29E-05	No
	30-Apr-15	4.19E-05	2.11E-05	No
	7-May-15	1.43E-05	1.68E-05	No
	14-May-15	5.38E-05	2.57E-05	Yes
	21-May-15	7.51E-05	2.86E-05	Yes
	28-May-15	4.54E-05	2.54E-05	No
	4-Jun-15	6.43E-05	2.73E-05	Yes
	11-Jun-15	1.12E-05	1.12E-05	No
	18-Jun-15	8.43E-05	3.02E-05	Yes
	25-Jun-15	4.51E-05	2.47E-05	No
	1-Jul-15	1.35E-04	4.65E-05	Yes
	9-Jul-15	6.54E-05	2.50E-05	Yes
	16-Jul-15	4.30E-05	2.17E-05	No
	23-Jul-15	8.43E-05	3.25E-05	Yes
	30-Jul-15	4.86E-05	2.20E-05	No
	6-Aug-15	5.76E-05	2.38E-05	Yes
	13-Aug-15	5.32E-05	2.56E-05	Yes
	20-Aug-15	4.51E-05	2.45E-05	No
	27-Aug-15	4.76E-05	2.39E-05	No

Location	Sample Date	U-238		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
291-H Stack Isokinetic	3-Sep-15	4.46E-05	2.42E-05	No
	10-Sep-15	1.24E-04	3.66E-05	Yes
	17-Sep-15	7.54E-05	3.02E-05	Yes
	24-Sep-15	4.62E-05	2.64E-05	No
	1-Oct-15	3.05E-05	2.76E-05	No
	8-Oct-15	9.35E-05	3.15E-05	Yes
	15-Oct-15	8.14E-05	2.91E-05	Yes
	22-Oct-15	5.97E-05	2.50E-05	Yes
	29-Oct-15	4.78E-05	2.74E-05	Yes
	5-Nov-15	2.03E-05	2.37E-05	No
	12-Nov-15	6.03E-05	2.50E-05	Yes
	19-Nov-15	6.38E-05	2.81E-05	Yes
	26-Nov-15	6.22E-05	2.60E-05	Yes
	3-Dec-15	4.35E-05	2.18E-05	No
	10-Dec-15	1.40E-05	1.64E-05	No
	17-Dec-15	1.79E-05	1.27E-05	No
	24-Dec-15	1.09E-04	3.35E-05	Yes
	31-Dec-15	5.22E-06	1.88E-05	No
291-S Vit. Process (Zone 1)	2-Feb-15	1.38E-03	5.36E-04	Yes
	20-Apr-15	1.64E-03	6.41E-04	Yes
	3-Aug-15	1.52E-03	6.13E-04	Yes
	19-Oct-15	1.74E-03	6.25E-04	Yes
451-Z Saltstone Vaults	11-Feb-15	4.89E-05	2.05E-05	Yes
	19-May-15	1.59E-05	1.88E-05	No
	12-Aug-15	1.44E-05	1.05E-05	No
	18-Nov-15	1.81E-05	1.29E-05	No
511-S Low Pt. Pump Pit	2-Feb-15	5.38E-04	2.76E-04	No
	20-Apr-15	4.22E-04	2.32E-04	No
	3-Aug-15	1.03E-03	3.98E-04	Yes
	19-Oct-15	4.68E-04	2.97E-04	No
512-S Late Wash	2-Feb-15	1.37E-05	1.12E-05	No
	20-Apr-15	3.08E-05	1.35E-05	Yes
	3-Aug-15	4.00E-05	1.82E-05	Yes
	19-Oct-15	3.95E-05	1.97E-05	Yes
772-4F	5-Jan-15	4.68E-05	2.03E-05	No
	12-Jan-15	6.08E-05	2.27E-05	Yes
	19-Jan-15	5.11E-05	2.40E-05	No
	26-Jan-15	2.18E-05	1.29E-05	No
	2-Feb-15	1.69E-05	1.39E-05	No
	9-Feb-15	2.92E-05	1.52E-05	No
	16-Feb-15	3.84E-05	1.77E-05	No
	23-Feb-15	3.51E-05	1.63E-05	No

Location	Sample Date	U-238		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
772-4F	2-Mar-15	2.37E-05	1.54E-05	No
	9-Mar-15	1.74E-05	1.43E-05	No
	16-Mar-15	1.72E-05	1.41E-05	No
	23-Mar-15	2.09E-05	1.25E-05	No
	30-Mar-15	7.57E-05	2.44E-05	Yes
	6-Apr-15	3.97E-05	1.98E-05	No
	13-Apr-15	2.95E-05	1.49E-05	No
	20-Apr-15	8.70E-05	2.58E-05	Yes
	27-Apr-15	7.08E-05	2.28E-05	Yes
	4-May-15	3.14E-05	1.58E-05	No
	11-May-15	7.81E-05	2.60E-05	Yes
	18-May-15	5.57E-05	1.99E-05	Yes
	25-May-15	3.27E-05	1.80E-05	Yes
	1-Jun-15	-3.62E-07	4.06E-07	No
	8-Jun-15	3.70E-05	1.66E-05	Yes
	15-Jun-15	5.41E-05	1.93E-05	Yes
	22-Jun-15	5.49E-05	2.20E-05	Yes
	29-Jun-15	1.22E-05	1.51E-05	No
	6-Jul-15	2.40E-05	1.56E-05	No
	13-Jul-15	3.51E-05	1.61E-05	No
	20-Jul-15	4.62E-05	2.03E-05	Yes
	27-Jul-15	9.19E-06	1.13E-05	No
	3-Aug-15	2.38E-05	1.54E-05	No
	10-Aug-15	3.11E-05	2.15E-05	No
	17-Aug-15	2.89E-05	1.86E-05	No
	24-Aug-15	4.81E-05	2.02E-05	Yes
	31-Aug-15	4.78E-05	2.02E-05	Yes
	7-Sep-15	1.25E-05	1.16E-05	No
	14-Sep-15	7.95E-05	2.44E-05	Yes
	21-Sep-15	2.30E-05	1.93E-05	No
	28-Sep-15	1.00E-04	3.01E-05	Yes
	5-Oct-15	3.78E-05	2.16E-05	No
	12-Oct-15	4.51E-05	2.10E-05	Yes
	19-Oct-15	5.03E-05	1.92E-05	Yes
	26-Oct-15	1.68E-05	1.37E-05	No
	2-Nov-15	4.95E-05	1.92E-05	Yes
	9-Nov-15	1.18E-05	1.44E-05	No
	16-Nov-15	4.84E-05	2.00E-05	Yes
	23-Nov-15	3.35E-05	1.90E-05	No
	30-Nov-15	2.40E-05	1.52E-05	No
	7-Dec-15	2.38E-05	1.51E-05	No
	14-Dec-15	5.08E-05	1.94E-05	Yes

Location	Sample Date	U-238		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
772-4F	21-Dec-15	8.16E-05	4.08E-05	No
	28-Dec-15	1.69E-05	1.34E-05	No
	4-Jan-16	2.51E-05	1.59E-05	No
KIS STACK	5-Jan-15	1.49E-04	5.11E-05	Yes
	12-Jan-15	7.59E-05	3.57E-05	No
	19-Jan-15	1.64E-04	8.06E-05	Yes
	26-Jan-15	7.68E-06	2.52E-05	No
	2-Feb-15	8.73E-05	3.66E-05	Yes
	9-Feb-15	1.69E-05	2.07E-05	No
	16-Feb-15	8.00E-05	4.00E-05	Yes
	23-Feb-15	1.66E-04	4.94E-05	Yes
	2-Mar-15	8.89E-05	3.69E-05	Yes
	9-Mar-15	1.09E-04	3.93E-05	Yes
	16-Mar-15	7.59E-05	3.45E-05	Yes
	23-Mar-15	1.19E-04	4.28E-05	Yes
	30-Mar-15	8.35E-05	3.47E-05	Yes
	6-Apr-15	6.51E-05	3.60E-05	No
	13-Apr-15	7.38E-05	3.40E-05	No
	20-Apr-15	1.11E-04	4.05E-05	Yes
	27-Apr-15	1.10E-04	4.20E-05	Yes
	4-May-15	8.24E-05	4.45E-05	No
	11-May-15	7.76E-05	3.71E-05	No
	18-May-15	9.24E-05	4.00E-05	Yes
	25-May-15	6.46E-05	3.36E-05	No
	1-Jun-15	9.92E-05	4.59E-05	Yes
	8-Jun-15	9.86E-05	4.44E-05	No
	15-Jun-15	4.81E-05	3.06E-05	No
	22-Jun-15	6.92E-05	2.89E-05	Yes
	29-Jun-15	1.14E-05	3.14E-05	No
	6-Jul-15	6.14E-05	3.89E-05	No
	13-Jul-15	1.15E-04	5.00E-05	Yes
	20-Jul-15	9.70E-05	4.02E-05	Yes
	27-Jul-15	1.35E-04	5.18E-05	Yes
	3-Aug-15	1.34E-04	5.14E-05	Yes
	10-Aug-15	1.21E-04	5.49E-05	No
	17-Aug-15	1.27E-04	4.56E-05	Yes
	24-Aug-15	9.62E-05	4.61E-05	Yes
	31-Aug-15	2.14E-04	6.58E-05	Yes
	7-Sep-15	1.25E-04	4.77E-05	Yes
	14-Sep-15	3.32E-05	3.91E-05	No
	21-Sep-15	1.42E-04	5.31E-05	Yes
	28-Sep-15	5.08E-05	3.22E-05	No

Location	Sample Date	U-238		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
KIS STACK	5-Oct-15	1.60E-04	5.41E-05	Yes
	12-Oct-15	1.12E-04	4.60E-05	No
	19-Oct-15	9.41E-05	4.30E-05	No
	26-Oct-15	9.16E-05	4.19E-05	No
	2-Nov-15	1.92E-04	6.19E-05	Yes
	9-Nov-15	1.54E-04	5.53E-05	Yes
	16-Nov-15	1.29E-04	4.97E-05	Yes
	23-Nov-15	1.59E-04	5.75E-05	Yes
	30-Nov-15	8.22E-05	4.43E-05	No
	7-Dec-15	1.22E-04	7.77E-05	No
	14-Dec-15	1.25E-04	5.01E-05	Yes
	21-Dec-15	5.38E-05	3.12E-05	No
	28-Dec-15	1.36E-04	4.86E-05	Yes
	4-Jan-16	7.70E-05	4.17E-05	Yes
Saltstone SDU-2	11-Feb-15	-3.92E-07	4.65E-07	No
	19-May-15	8.81E-06	8.80E-06	No
	12-Aug-15	1.62E-05	1.17E-05	No
	18-Nov-15	2.89E-05	1.69E-05	No
Saltstone SDU-5	11-Feb-15	1.58E-06	7.72E-06	No
	19-May-15	-1.09E-05	1.68E-05	No
	12-Aug-15	1.89E-05	1.12E-05	No
	18-Nov-15	1.36E-05	9.67E-06	No

Table 14 Radioactivity in Air Emission Samples (continued)

Location	Sample Date	Pu-238			Pu-239		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
210-Z Building Stack	11-Feb-15	1.38E-04	1.78E-04	No	4.41E-04	2.29E-04	No
	19-May-15	1.01E-04	1.09E-04	No	-4.68E-05	1.49E-04	No
	12-Aug-15	-5.68E-06	7.06E-06	No	-1.53E-04	9.89E-05	No
	18-Nov-15	3.86E-04	2.73E-04	No	-1.31E-04	1.28E-04	No
221-S Personnel Area (Zone 2)	2-Feb-15	2.61E-04	1.99E-04	No	1.31E-04	1.39E-04	No
	20-Apr-15	1.15E-04	1.23E-04	No	3.19E-05	1.47E-04	No
	3-Aug-15	-8.89E-05	8.27E-05	No	1.09E-04	1.27E-04	No
	19-Oct-15	7.22E-04	2.34E-04	Yes	-3.92E-05	1.14E-04	No
235-F Sandfilter Discharge	6-Jan-15	-9.54E-08	1.24E-07	No	1.65E-05	9.78E-06	No
	13-Jan-15	5.54E-06	5.66E-06	No	5.35E-06	5.69E-06	No
	20-Jan-15	6.00E-06	6.36E-06	No	0.00E+00	7.75E-06	No
	27-Jan-15	4.92E-05	1.93E-05	Yes	5.70E-06	5.72E-06	No
	3-Feb-15	1.75E-06	7.43E-06	No	6.16E-06	6.18E-06	No
	10-Feb-15	1.68E-06	6.43E-06	No	-4.16E-06	3.61E-06	No
	17-Feb-15	-1.06E-07	1.39E-07	No	4.84E-06	5.60E-06	No
	24-Feb-15	1.19E-05	8.53E-06	No	5.38E-06	6.12E-06	No
	3-Mar-15	1.06E-05	7.82E-06	No	7.19E-06	8.59E-06	No
	10-Mar-15	-2.78E-07	3.65E-07	No	5.14E-06	5.25E-06	No
	17-Mar-15	5.51E-06	5.62E-06	No	-2.86E-07	3.81E-07	No
	24-Mar-15	-9.57E-08	1.28E-07	No	1.66E-06	7.04E-06	No
	31-Mar-15	-9.57E-08	1.28E-07	No	1.71E-05	1.02E-05	No
	7-Apr-15	-1.96E-06	7.06E-06	No	-4.00E-06	3.73E-06	No
	14-Apr-15	-3.65E-06	3.66E-06	No	1.25E-05	1.02E-05	No
	21-Apr-15	5.78E-06	5.80E-06	No	7.49E-06	9.09E-06	No
	28-Apr-15	-5.70E-07	7.08E-07	No	5.08E-06	5.41E-06	No
	5-May-15	5.27E-06	5.93E-06	No	-4.16E-06	3.89E-06	No
	12-May-15	4.89E-06	5.59E-06	No	5.19E-06	5.53E-06	No
	19-May-15	-3.57E-07	4.46E-07	No	1.26E-06	6.51E-06	No
	26-May-15	6.27E-06	8.92E-06	No	1.12E-05	7.92E-06	No
	2-Jun-15	-8.24E-06	5.12E-06	No	7.11E-06	8.34E-06	No
	9-Jun-15	1.33E-06	6.73E-06	No	1.85E-06	6.72E-06	No
	16-Jun-15	-2.45E-06	7.93E-06	No	5.76E-06	5.77E-06	No
	23-Jun-15	-5.27E-07	6.64E-07	No	5.86E-06	5.90E-06	No
	30-Jun-15	-7.51E-06	5.35E-06	No	1.65E-05	9.89E-06	No
	7-Jul-15	-3.38E-06	3.41E-06	No	1.24E-06	6.15E-06	No
	14-Jul-15	0.00E+00	6.71E-06	No	5.19E-06	5.71E-06	No
	21-Jul-15	-4.14E-06	3.58E-06	No	0.00E+00	6.66E-06	No
	28-Jul-15	-5.84E-07	7.28E-07	No	1.80E-06	6.48E-06	No
	4-Aug-15	-3.97E-06	3.44E-06	No	3.41E-06	8.67E-06	No
	11-Aug-15	1.55E-06	6.63E-06	No	-2.49E-06	7.59E-06	No

Location	Sample Date	Pu-238			Pu-239		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
235-F Sandfilter Discharge	18-Aug-15	5.27E-06	5.57E-06	No	-3.68E-06	3.74E-06	No
	25-Aug-15	5.35E-06	5.65E-06	No	0.00E+00	6.69E-06	No
	1-Sep-15	-3.86E-06	3.60E-06	No	5.38E-06	5.39E-06	No
	8-Sep-15	-4.00E-06	3.73E-06	No	5.59E-06	5.59E-06	No
	15-Sep-15	1.67E-05	9.67E-06	No	6.78E-06	1.34E-05	No
	22-Sep-15	1.84E-06	6.63E-06	No	-4.32E-06	1.07E-05	No
	29-Sep-15	8.05E-05	2.36E-05	Yes	1.01E-05	8.14E-06	No
	6-Oct-15	9.97E-05	2.60E-05	Yes	9.73E-06	7.94E-06	No
	13-Oct-15	1.13E-04	2.99E-05	Yes	1.07E-06	7.88E-06	No
	20-Oct-15	1.17E-05	1.04E-05	No	5.46E-06	5.47E-06	No
	27-Oct-15	1.12E-05	7.96E-06	No	7.49E-06	8.80E-06	No
	3-Nov-15	1.70E-05	9.82E-06	No	2.26E-05	1.14E-05	No
	10-Nov-15	-7.46E-06	5.37E-06	No	0.00E+00	6.25E-06	No
	17-Nov-15	1.14E-05	8.06E-06	No	-8.89E-08	1.11E-07	No
	24-Nov-15	1.83E-06	6.54E-06	No	-1.91E-06	7.53E-06	No
	1-Dec-15	3.00E-05	1.44E-05	No	1.12E-05	7.98E-06	No
	8-Dec-15	7.19E-06	7.18E-06	No	7.16E-06	7.19E-06	No
	15-Dec-15	7.62E-06	8.92E-06	No	1.71E-05	9.97E-06	No
	22-Dec-15	5.81E-06	5.86E-06	No	-5.81E-07	7.30E-07	No
	29-Dec-15	4.84E-05	2.00E-05	Yes	1.52E-06	7.65E-06	No
241-278H Caustic Extraction	12-Mar-15	9.78E-06	1.05E-05	No	3.43E-05	2.20E-05	No
	10-Sep-15	3.19E-06	1.15E-05	No	8.43E-06	9.82E-06	No
241-81H ETP Process Stack	21-Dec-15	4.76E-05	2.67E-05	No	2.95E-05	1.79E-05	No
	21-Dec-15	5.57E-05	2.50E-05	No	1.75E-05	2.21E-05	No
250-S Glass Waste Bldg #1488	26-May-15	-1.21E-04	9.71E-05	No	1.39E-04	1.39E-04	No
250-S Glass Waste Bldg #1509	2-Jun-15	-7.24E-05	1.83E-04	No	-1.75E-04	1.24E-04	No
250-S Glass Waste Bldg #3928	11-May-15	-1.72E-04	1.07E-04	No	-1.86E-04	1.87E-04	No
250-S Glass Waste Bldg #3940	18-May-15	2.04E-04	1.67E-04	No	-1.51E-04	1.07E-04	No
251-S Glass Waste Bldg2 Vault A	2-Jun-15	1.42E-05	1.14E-05	No	1.31E-05	1.55E-05	No
251-S Glass Waste Bldg2 Vault B	26-May-15	6.59E-06	9.28E-06	No	5.78E-06	5.81E-06	No
251-S Glass Waste Bldg2 Vault C	18-May-15	1.05E-05	8.54E-06	No	1.16E-05	8.28E-06	No
251-S Glass Waste Bldg2 Vault D	11-May-15	5.30E-06	7.09E-06	No	-8.97E-06	6.37E-06	No
291-F Stack Isokinetic	5-Jan-15	3.16E-04	8.80E-05	Yes	2.42E-03	3.07E-04	Yes

Location	Sample Date	Pu-238			Pu-239		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
291-F Stack Isokinetic	12-Jan-15	1.16E-04	5.04E-05	Yes	9.49E-04	1.59E-04	Yes
	19-Jan-15	1.78E-04	6.50E-05	Yes	2.95E-03	3.54E-04	Yes
	26-Jan-15	-3.92E-07	6.07E-07	No	3.27E-04	9.00E-05	Yes
	2-Feb-15	1.83E-05	1.88E-05	No	1.85E-04	6.14E-05	Yes
	9-Feb-15	4.08E-05	3.12E-05	No	3.65E-04	9.44E-05	Yes
	16-Feb-15	1.68E-04	6.90E-05	Yes	3.68E-04	9.82E-05	Yes
	23-Feb-15	8.30E-05	4.29E-05	No	1.94E-04	7.04E-05	Yes
	2-Mar-15	1.18E-04	5.03E-05	Yes	2.47E-03	3.06E-04	Yes
	9-Mar-15	4.89E-04	1.21E-04	Yes	6.95E-03	7.22E-04	Yes
	16-Mar-15	7.65E-05	4.59E-05	No	1.82E-04	7.01E-05	Yes
	23-Mar-15	-8.46E-06	3.19E-05	No	6.89E-05	4.05E-05	No
	30-Mar-15	3.14E-04	9.28E-05	Yes	5.24E-03	5.58E-04	Yes
	6-Apr-15	8.54E-05	4.31E-05	No	-7.49E-06	2.64E-05	No
	13-Apr-15	1.52E-05	3.86E-05	No	6.78E-05	3.99E-05	No
	20-Apr-15	4.27E-04	1.05E-04	Yes	5.54E-03	5.95E-04	Yes
	27-Apr-15	6.38E-05	3.92E-05	No	1.18E-04	5.65E-05	Yes
	4-May-15	4.92E-06	2.67E-05	No	1.97E-04	6.74E-05	Yes
	11-May-15	-1.39E-06	2.09E-06	No	-2.78E-06	4.18E-06	No
	18-May-15	2.95E-05	3.64E-05	No	7.43E-05	4.98E-05	No
	25-May-15	2.04E-05	2.18E-05	No	7.19E-05	4.58E-05	No
	1-Jun-15	-8.22E-06	2.91E-05	No	1.48E-04	5.73E-05	Yes
	8-Jun-15	1.68E-04	6.28E-05	Yes	1.42E-05	3.63E-05	No
	15-Jun-15	-2.92E-06	4.62E-06	No	8.11E-05	6.81E-05	No
	22-Jun-15	6.62E-06	2.82E-05	No	1.25E-04	6.03E-05	No
	29-Jun-15	-1.65E-05	1.53E-05	No	2.29E-05	2.30E-05	No
	6-Jul-15	4.30E-04	1.25E-04	Yes	1.07E-02	1.00E-03	Yes
	13-Jul-15	2.73E-05	5.07E-05	No	9.76E-05	4.94E-05	No
	20-Jul-15	1.25E-05	3.54E-05	No	3.11E-04	8.34E-05	Yes
	27-Jul-15	3.95E-05	2.94E-05	No	8.84E-05	4.78E-05	No
	3-Aug-15	6.22E-06	3.25E-05	No	2.67E-05	2.68E-05	No
	10-Aug-15	4.41E-05	3.41E-05	No	7.03E-05	4.10E-05	Yes
	17-Aug-15	2.17E-05	2.52E-05	No	7.32E-05	4.27E-05	Yes
	24-Aug-15	1.09E-04	5.03E-05	Yes	6.46E-05	3.88E-05	No
	28-Aug-15	5.05E-06	4.00E-05	No	1.69E-04	8.39E-05	No
	31-Aug-15	5.16E-05	5.56E-05	No	2.16E-04	1.12E-04	No
	7-Sep-15	3.89E-05	4.63E-05	No	-4.81E-05	2.72E-05	No
	14-Sep-15	2.03E-05	2.03E-05	No	5.30E-05	4.54E-05	No
	21-Sep-15	4.30E-05	3.85E-05	No	3.41E-04	8.80E-05	Yes
	28-Sep-15	6.35E-04	1.42E-04	Yes	8.59E-05	4.55E-05	No
	5-Oct-15	8.22E-04	1.65E-04	Yes	4.43E-03	4.87E-04	Yes
	12-Oct-15	5.49E-04	1.23E-04	Yes	1.02E-03	1.66E-04	Yes

Location	Sample Date	Pu-238			Pu-239		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
291-F Stack Isokinetic	19-Oct-15	1.06E-04	5.32E-05	No	8.11E-05	5.57E-05	No
	26-Oct-15	8.68E-05	6.04E-05	No	2.36E-04	8.67E-05	Yes
	2-Nov-15	5.81E-05	5.12E-05	No	1.72E-03	2.44E-04	Yes
	12-Nov-15	4.16E-04	8.96E-05	Yes	7.27E-03	6.76E-04	Yes
	16-Nov-15	1.12E-04	7.54E-05	No	4.84E-03	5.75E-04	Yes
	23-Nov-15	6.35E-05	3.94E-05	No	1.69E-04	7.04E-05	Yes
	30-Nov-15	2.60E-03	3.24E-04	Yes	3.22E-04	8.80E-05	Yes
	7-Dec-15	1.98E-03	2.68E-04	Yes	1.33E-03	2.02E-04	Yes
	14-Dec-15	6.41E-04	1.40E-04	Yes	1.60E-03	2.32E-04	Yes
	21-Dec-15	5.38E-03	6.65E-04	Yes	1.80E-04	9.09E-05	No
	28-Dec-15	5.27E-05	3.99E-05	No	8.30E-05	4.82E-05	No
	4-Jan-16	2.86E-04	8.44E-05	Yes	4.08E-03	4.25E-04	Yes
291-H Stack Isokinetic	8-Jan-15	3.05E-03	3.17E-04	Yes	4.84E-04	8.30E-05	Yes
	15-Jan-15	8.62E-04	1.21E-04	Yes	5.46E-04	9.04E-05	Yes
	22-Jan-15	5.14E-04	8.63E-05	Yes	1.06E-04	3.52E-05	Yes
	28-Jan-15	9.59E-04	1.39E-04	Yes	4.59E-04	9.00E-05	Yes
	5-Feb-15	8.89E-04	1.19E-04	Yes	1.35E-03	1.60E-04	Yes
	12-Feb-15	7.57E-04	1.11E-04	Yes	3.41E-04	6.77E-05	Yes
	19-Feb-15	1.72E-03	2.04E-04	Yes	5.68E-04	9.59E-05	Yes
	26-Feb-15	2.78E-03	2.90E-04	Yes	2.48E-03	2.65E-04	Yes
	5-Mar-15	7.65E-04	1.66E-04	Yes	5.54E-04	1.33E-04	Yes
	12-Mar-15	5.05E-04	8.96E-05	Yes	1.76E-04	4.77E-05	Yes
	19-Mar-15	1.01E-03	1.38E-04	Yes	1.31E-04	3.91E-05	Yes
	26-Mar-15	1.43E-03	1.81E-04	Yes	8.59E-04	1.25E-04	Yes
	2-Apr-15	5.16E-04	8.96E-05	Yes	1.38E-03	1.73E-04	Yes
	9-Apr-15	1.06E-03	1.36E-04	Yes	1.41E-04	4.15E-05	Yes
	16-Apr-15	6.51E-04	9.97E-05	Yes	3.68E-04	6.91E-05	Yes
	23-Apr-15	1.21E-03	1.48E-04	Yes	6.41E-04	9.56E-05	Yes
	30-Apr-15	5.24E-04	8.76E-05	Yes	4.27E-04	7.53E-05	Yes
	7-May-15	6.38E-04	9.89E-05	Yes	1.30E-04	3.98E-05	Yes
	14-May-15	5.41E-04	8.53E-05	Yes	7.11E-05	2.96E-05	Yes
	21-May-15	2.86E-04	5.94E-05	Yes	1.37E-04	4.00E-05	Yes
	28-May-15	3.68E-04	6.78E-05	Yes	1.27E-04	3.75E-05	Yes
	4-Jun-15	2.16E-04	5.48E-05	Yes	2.57E-05	2.87E-05	No
	11-Jun-15	9.92E-05	3.63E-05	Yes	1.08E-05	1.08E-05	No
	18-Jun-15	9.00E-04	1.28E-04	Yes	1.12E-03	1.46E-04	Yes
	25-Jun-15	4.14E-04	7.38E-05	Yes	8.59E-05	3.25E-05	Yes
	1-Jul-15	2.60E-04	6.11E-05	Yes	1.28E-04	4.32E-05	Yes
	9-Jul-15	2.21E-04	5.64E-05	Yes	8.32E-05	2.95E-05	Yes
	16-Jul-15	4.62E-04	8.50E-05	Yes	4.03E-04	7.04E-05	Yes
	23-Jul-15	2.97E-04	6.20E-05	Yes	1.60E-04	4.30E-05	Yes

Location	Sample Date	Pu-238			Pu-239		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
291-H Stack Isokinetic	30-Jul-15	7.84E-05	3.22E-05	Yes	2.97E-04	6.34E-05	Yes
	6-Aug-15	2.25E-04	5.42E-05	Yes	6.70E-05	2.94E-05	Yes
	13-Aug-15	3.27E-04	6.54E-05	Yes	1.26E-04	3.80E-05	Yes
	20-Aug-15	1.59E-04	4.35E-05	Yes	7.84E-05	2.85E-05	Yes
	27-Aug-15	3.38E-04	6.34E-05	Yes	4.32E-04	7.37E-05	Yes
	3-Sep-15	3.35E-04	6.61E-05	Yes	2.51E-04	5.64E-05	Yes
	10-Sep-15	1.85E-04	5.04E-05	Yes	1.62E-04	4.78E-05	Yes
	17-Sep-15	3.32E-04	7.05E-05	Yes	1.13E-04	4.07E-05	Yes
	24-Sep-15	2.18E-04	5.23E-05	Yes	7.59E-05	3.14E-05	Yes
	1-Oct-15	2.31E-04	5.68E-05	Yes	2.59E-04	6.11E-05	Yes
	8-Oct-15	1.03E-03	1.40E-04	Yes	6.03E-04	9.52E-05	Yes
	15-Oct-15	3.49E-04	6.84E-05	Yes	5.49E-05	2.36E-05	Yes
	22-Oct-15	4.32E-04	8.03E-05	Yes	9.11E-05	3.93E-05	Yes
	29-Oct-15	3.81E-04	7.15E-05	Yes	4.08E-05	2.08E-05	No
	5-Nov-15	3.05E-04	5.93E-05	Yes	8.35E-05	2.96E-05	Yes
	12-Nov-15	1.02E-03	1.43E-04	Yes	1.24E-03	1.62E-04	Yes
	19-Nov-15	9.00E-04	1.21E-04	Yes	9.73E-04	1.26E-04	Yes
	26-Nov-15	6.00E-04	9.36E-05	Yes	3.11E-04	6.30E-05	Yes
	3-Dec-15	4.78E-04	8.04E-05	Yes	2.97E-04	5.92E-05	Yes
	10-Dec-15	1.37E-03	1.77E-04	Yes	1.20E-04	4.12E-05	Yes
	17-Dec-15	1.68E-03	1.97E-04	Yes	7.68E-04	1.16E-04	Yes
	24-Dec-15	5.65E-04	9.52E-05	Yes	2.24E-04	5.51E-05	Yes
	31-Dec-15	1.23E-03	1.79E-04	Yes	5.41E-05	3.14E-05	No
291-S Vit. Process (Zone 1)	2-Feb-15	6.73E-04	4.47E-04	No	4.05E-04	2.99E-04	No
	20-Apr-15	5.46E-05	2.32E-04	No	-2.04E-04	2.94E-04	No
	3-Aug-15	4.03E-04	2.94E-04	No	4.49E-05	4.51E-04	No
	19-Oct-15	3.24E-04	4.40E-04	No	-2.92E-04	2.09E-04	No
451-Z Saltstone Vaults	11-Feb-15	2.67E-05	1.63E-05	No	-3.49E-06	1.26E-05	No
	19-May-15	-6.03E-07	7.47E-07	No	7.95E-06	9.00E-06	No
	12-Aug-15	1.31E-05	9.56E-06	No	1.26E-05	9.67E-06	No
	18-Nov-15	0.00E+00	1.07E-05	No	2.86E-05	1.68E-05	No
511-S Low Pt. Pump Pit	2-Feb-15	7.54E-05	2.31E-04	No	3.97E-04	2.38E-04	No
	20-Apr-15	1.50E-03	3.90E-04	Yes	8.19E-05	1.85E-04	No
	3-Aug-15	1.83E-04	2.24E-04	No	2.20E-04	2.82E-04	No
	19-Oct-15	3.00E-04	2.65E-04	No	-1.86E-04	1.33E-04	No
512-S Late Wash	2-Feb-15	1.15E-05	8.42E-06	No	1.37E-05	1.09E-05	No
	20-Apr-15	0.00E+00	5.99E-06	No	9.00E-06	6.55E-06	No
	3-Aug-15	1.62E-06	6.93E-06	No	1.08E-05	8.29E-06	No
	19-Oct-15	4.24E-05	1.93E-05	Yes	6.89E-06	6.89E-06	No
772-4F	5-Jan-15	9.65E-06	1.15E-05	No	2.16E-05	1.28E-05	No
	12-Jan-15	2.01E-06	7.68E-06	No	-3.62E-07	4.75E-07	No

Location	Sample Date	Pu-238			Pu-239		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
772-4F	19-Jan-15	-2.52E-06	8.84E-06	No	-8.54E-06	6.27E-06	No
	26-Jan-15	1.42E-05	1.04E-05	No	1.46E-05	1.03E-05	No
	2-Feb-15	-3.76E-07	5.02E-07	No	2.35E-06	8.53E-06	No
	9-Feb-15	7.03E-06	7.20E-06	No	-1.04E-05	6.77E-06	No
	16-Feb-15	-4.51E-06	4.39E-06	No	-2.97E-06	9.09E-06	No
	23-Feb-15	8.95E-06	1.07E-05	No	3.76E-06	1.17E-05	No
	2-Mar-15	1.19E-05	8.72E-06	No	8.03E-06	9.56E-06	No
	9-Mar-15	-3.51E-07	4.65E-07	No	1.64E-05	1.32E-05	No
	16-Mar-15	1.34E-05	9.52E-06	No	-1.15E-07	1.52E-07	No
	23-Mar-15	0.00E+00	8.06E-06	No	6.43E-06	6.59E-06	No
	30-Mar-15	-1.20E-07	1.59E-07	No	-9.73E-06	6.64E-06	No
	6-Apr-15	-4.59E-06	4.47E-06	No	1.88E-06	8.08E-06	No
	13-Apr-15	0.00E+00	8.28E-06	No	-2.45E-06	9.00E-06	No
	20-Apr-15	0.00E+00	8.30E-06	No	1.31E-05	9.59E-06	No
	27-Apr-15	-6.30E-06	5.62E-06	No	2.48E-05	1.47E-05	No
	4-May-15	-7.11E-07	1.00E-06	No	3.43E-05	2.47E-05	No
	11-May-15	-7.14E-07	8.92E-07	No	8.86E-06	1.09E-05	No
	18-May-15	6.19E-06	6.72E-06	No	1.54E-06	8.04E-06	No
	25-May-15	2.14E-05	1.36E-05	No	2.54E-06	9.13E-06	No
	1-Jun-15	-3.76E-06	9.82E-06	No	1.41E-05	1.00E-05	No
	8-Jun-15	-6.54E-07	8.18E-07	No	2.29E-06	1.50E-05	No
	15-Jun-15	3.76E-06	1.13E-05	No	-2.21E-06	9.21E-06	No
	22-Jun-15	1.62E-06	8.26E-06	No	6.81E-06	6.84E-06	No
	29-Jun-15	-1.97E-05	9.97E-06	No	-3.03E-06	1.02E-05	No
	6-Jul-15	-4.73E-06	4.74E-06	No	1.59E-05	1.33E-05	No
	13-Jul-15	0.00E+00	8.63E-06	No	1.35E-05	1.01E-05	No
	20-Jul-15	-7.78E-06	1.08E-05	No	-2.35E-06	9.67E-06	No
	27-Jul-15	1.27E-05	9.67E-06	No	8.95E-06	1.05E-05	No
	3-Aug-15	1.63E-06	8.59E-06	No	3.05E-05	1.66E-05	No
	10-Aug-15	-5.00E-06	4.64E-06	No	-5.46E-06	4.70E-06	No
	17-Aug-15	-9.51E-06	6.51E-06	No	1.15E-05	1.36E-05	No
	24-Aug-15	1.64E-05	1.34E-05	No	2.38E-06	8.59E-06	No
	31-Aug-15	8.62E-06	1.05E-05	No	1.56E-05	1.24E-05	No
	7-Sep-15	-9.76E-06	6.68E-06	No	7.08E-06	1.47E-05	No
	14-Sep-15	7.24E-06	7.25E-06	No	2.33E-05	1.55E-05	No
	21-Sep-15	-9.43E-06	6.74E-06	No	-8.14E-07	1.02E-06	No
	28-Sep-15	1.28E-04	3.08E-05	Yes	-2.25E-06	9.28E-06	No
	5-Oct-15	1.38E-04	3.11E-05	Yes	8.35E-06	9.82E-06	No
	12-Oct-15	1.10E-04	3.08E-05	Yes	-1.35E-06	1.68E-06	No
	19-Oct-15	2.49E-05	1.35E-05	No	6.54E-06	6.55E-06	No
	26-Oct-15	1.86E-05	1.55E-05	No	-9.32E-06	6.68E-06	No

Location	Sample Date	Pu-238			Pu-239		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
772-4F	2-Nov-15	1.08E-05	1.28E-05	No	0.00E+00	7.96E-06	No
	9-Nov-15	0.00E+00	8.41E-06	No	3.24E-05	1.46E-05	Yes
	16-Nov-15	5.11E-06	1.30E-05	No	1.26E-05	1.51E-05	No
	23-Nov-15	-1.91E-05	9.63E-06	No	2.27E-06	8.59E-06	No
	30-Nov-15	-1.47E-05	8.59E-06	No	3.68E-05	1.66E-05	Yes
	7-Dec-15	7.05E-04	8.52E-05	Yes	9.51E-06	1.12E-05	No
	14-Dec-15	7.08E-06	7.08E-06	No	2.36E-06	8.51E-06	No
	21-Dec-15	3.24E-05	1.75E-05	No	-1.57E-05	8.67E-06	No
	28-Dec-15	5.57E-04	7.28E-05	Yes	6.27E-06	7.13E-06	No
	4-Jan-16	2.47E-06	9.00E-06	No	-7.22E-07	9.09E-07	No
KIS STACK	5-Jan-15	-2.78E-05	1.51E-05	No	1.23E-05	1.32E-05	No
	12-Jan-15	5.41E-05	2.89E-05	No	1.32E-05	1.41E-05	No
	19-Jan-15	2.07E-05	2.44E-05	No	1.04E-05	2.64E-05	No
	26-Jan-15	0.00E+00	1.78E-05	No	2.92E-05	2.06E-05	No
	2-Feb-15	2.76E-05	1.99E-05	No	3.86E-06	1.68E-05	No
	9-Feb-15	4.84E-05	2.57E-05	No	3.43E-06	1.50E-05	No
	16-Feb-15	1.41E-05	1.51E-05	No	6.32E-05	3.53E-05	No
	23-Feb-15	2.64E-05	1.95E-05	No	3.51E-06	1.64E-05	No
	2-Mar-15	-1.46E-06	2.30E-06	No	1.46E-05	1.46E-05	No
	9-Mar-15	1.14E-05	1.33E-05	No	7.70E-05	3.19E-05	Yes
	16-Mar-15	4.00E-06	1.61E-05	No	2.65E-05	1.91E-05	No
	23-Mar-15	1.81E-05	2.19E-05	No	1.37E-05	1.40E-05	No
	30-Mar-15	-4.57E-07	7.31E-07	No	1.52E-05	1.55E-05	No
	6-Apr-15	1.48E-05	1.48E-05	No	2.92E-05	2.11E-05	No
	13-Apr-15	5.51E-05	3.94E-05	No	-2.52E-07	4.83E-07	No
	20-Apr-15	1.39E-05	1.48E-05	No	-1.07E-05	9.78E-06	No
	27-Apr-15	-1.56E-06	2.29E-06	No	-8.65E-06	8.76E-06	No
	4-May-15	-2.07E-06	3.07E-06	No	1.80E-05	1.80E-05	No
	11-May-15	2.76E-05	2.29E-05	No	3.49E-05	2.17E-05	No
	18-May-15	4.27E-05	2.57E-05	No	7.89E-06	2.50E-05	No
	25-May-15	1.56E-05	1.66E-05	No	-2.19E-05	1.56E-05	No
	1-Jun-15	1.66E-05	1.79E-05	No	-2.35E-05	1.67E-05	No
	8-Jun-15	1.75E-05	2.05E-05	No	7.92E-05	3.98E-05	No
	15-Jun-15	1.73E-05	2.27E-05	No	4.27E-05	2.47E-05	No
	22-Jun-15	5.14E-05	2.38E-05	Yes	3.11E-05	1.82E-05	No
	29-Jun-15	1.01E-04	6.55E-05	No	1.02E-05	3.68E-05	No
	6-Jul-15	1.82E-05	3.66E-05	No	0.00E+00	2.34E-05	No
	13-Jul-15	6.08E-06	3.92E-05	No	5.86E-06	2.11E-05	No
	20-Jul-15	3.43E-05	2.83E-05	No	5.03E-05	3.19E-05	No
	27-Jul-15	-1.11E-06	1.66E-06	No	2.86E-05	3.39E-05	No
	3-Aug-15	0.00E+00	1.94E-05	No	1.53E-05	1.71E-05	No

Location	Sample Date	Pu-238			Pu-239		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
KIS STACK	10-Aug-15	1.29E-05	3.29E-05	No	1.78E-05	1.97E-05	No
	17-Aug-15	1.52E-05	1.78E-05	No	5.16E-05	3.01E-05	Yes
	24-Aug-15	-1.33E-05	1.22E-05	No	1.72E-05	1.85E-05	No
	31-Aug-15	-1.08E-06	1.69E-06	No	-1.08E-06	1.69E-06	No
	7-Sep-15	6.54E-06	2.36E-05	No	5.78E-05	3.46E-05	No
	14-Sep-15	4.30E-05	3.42E-05	No	5.11E-06	2.22E-05	No
	21-Sep-15	9.92E-05	4.37E-05	Yes	3.24E-05	2.47E-05	No
	28-Sep-15	2.22E-05	3.07E-05	No	4.30E-05	3.60E-05	No
	5-Oct-15	2.89E-04	8.30E-05	Yes	5.08E-05	3.13E-05	No
	12-Oct-15	5.32E-04	1.20E-04	Yes	1.75E-05	2.00E-05	No
	19-Oct-15	2.09E-04	7.25E-05	Yes	6.51E-06	2.46E-05	No
	26-Oct-15	6.05E-05	4.07E-05	No	-3.81E-05	2.19E-05	No
	2-Nov-15	3.86E-06	2.18E-05	No	2.39E-05	2.81E-05	No
	9-Nov-15	1.99E-05	2.26E-05	No	8.78E-05	4.45E-05	No
	16-Nov-15	-1.64E-05	1.44E-05	No	2.13E-05	2.13E-05	No
	23-Nov-15	-2.73E-05	1.78E-05	No	3.14E-05	3.73E-05	No
	30-Nov-15	3.65E-03	4.30E-04	Yes	-3.00E-05	2.04E-05	No
	7-Dec-15	6.59E-04	1.33E-04	Yes	1.88E-05	2.02E-05	No
	14-Dec-15	-2.25E-06	3.15E-06	No	7.54E-05	4.37E-05	No
	21-Dec-15	4.14E-04	1.03E-04	Yes	1.23E-04	5.90E-05	Yes
	28-Dec-15	3.73E-03	4.07E-04	Yes	0.00E+00	3.05E-05	No
	4-Jan-16	8.11E-05	4.13E-05	No	5.16E-05	4.55E-05	No
Saltstone SDU-2	11-Feb-15	3.27E-05	1.72E-05	No	-4.19E-07	6.48E-07	No
	19-May-15	-5.16E-07	6.48E-07	No	1.56E-05	1.17E-05	No
	12-Aug-15	-4.05E-07	5.10E-07	No	-9.46E-07	1.19E-06	No
	18-Nov-15	0.00E+00	1.15E-05	No	3.00E-06	1.14E-05	No
Saltstone SDU-5	11-Feb-15	1.95E-05	1.14E-05	No	8.03E-06	1.03E-05	No
	19-May-15	-5.35E-06	4.90E-06	No	-6.78E-07	8.53E-07	No
	12-Aug-15	1.69E-06	7.24E-06	No	1.73E-05	1.06E-05	No
	18-Nov-15	5.81E-06	5.83E-06	No	5.73E-06	5.84E-06	No

Table 14 Radioactivity in Air Emission Samples (continued)

Location	Sample Date	Am-241			Cm-244		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
210-Z Building Stack	11-Feb-15	-8.30E-06	1.01E-05	No	0.00E+00	1.30E-04	No
	19-May-15	2.78E-04	2.02E-04	No	0.00E+00	1.35E-04	No
	12-Aug-15	5.24E-04	2.85E-04	No	0.00E+00	1.63E-04	No
	18-Nov-15	6.92E-04	4.68E-04	No	-1.99E-05	2.20E-05	No
221-S Personnel Area (Zone 2)	2-Feb-15	1.30E-04	1.40E-04	No	1.37E-04	1.38E-04	No
	20-Apr-15	0.00E+00	1.51E-04	No	0.00E+00	1.51E-04	No
	3-Aug-15	4.24E-04	2.95E-04	No	1.35E-04	1.35E-04	No
	19-Oct-15	4.54E-04	1.81E-04	No	0.00E+00	1.05E-04	No
235-F Sandfilter Discharge	6-Jan-15	1.09E-05	9.36E-06	No	-4.14E-06	4.16E-06	No
	13-Jan-15	1.62E-05	1.08E-05	No	1.97E-06	7.09E-06	No
	20-Jan-15	8.73E-06	9.71E-06	No	-3.95E-06	4.04E-06	No
	27-Jan-15	2.23E-05	1.39E-05	No	0.00E+00	7.88E-06	No
	3-Feb-15	5.24E-06	1.09E-05	No	0.00E+00	7.55E-06	No
	10-Feb-15	5.49E-05	1.92E-05	Yes	5.51E-06	6.23E-06	No
	17-Feb-15	1.03E-05	8.17E-06	No	-6.32E-07	7.48E-07	No
	24-Feb-15	2.14E-05	1.15E-05	No	-6.19E-07	7.43E-07	No
	3-Mar-15	2.06E-05	1.20E-05	No	1.11E-05	7.96E-06	No
	10-Mar-15	-9.57E-06	5.68E-06	No	-3.81E-06	3.72E-06	No
	17-Mar-15	3.51E-05	1.45E-05	Yes	-1.16E-05	6.86E-06	No
	24-Mar-15	2.95E-05	1.33E-05	Yes	0.00E+00	7.26E-06	No
	31-Mar-15	1.26E-05	8.92E-06	No	-8.30E-06	6.00E-06	No
	7-Apr-15	2.92E-05	1.46E-05	Yes	5.11E-06	5.12E-06	No
	14-Apr-15	3.76E-05	1.53E-05	Yes	-3.03E-07	3.63E-07	No
	21-Apr-15	2.13E-05	1.17E-05	Yes	-3.05E-07	3.63E-07	No
	28-Apr-15	2.76E-05	1.32E-05	Yes	0.00E+00	7.06E-06	No
	5-May-15	3.03E-05	1.32E-05	Yes	0.00E+00	6.33E-06	No
	12-May-15	8.32E-06	1.15E-05	No	0.00E+00	6.76E-06	No
	19-May-15	1.03E-05	9.56E-06	No	0.00E+00	7.08E-06	No
	26-May-15	1.75E-05	1.23E-05	No	0.00E+00	6.68E-06	No
	2-Jun-15	3.43E-05	1.51E-05	Yes	-3.92E-06	3.94E-06	No
	9-Jun-15	1.12E-05	8.52E-06	No	9.16E-06	9.04E-06	No
	16-Jun-15	2.35E-05	1.32E-05	No	2.92E-06	6.37E-06	No
	23-Jun-15	3.86E-05	1.52E-05	Yes	-6.24E-06	4.53E-06	No
	30-Jun-15	3.97E-05	1.63E-05	Yes	5.54E-06	5.90E-06	No
	7-Jul-15	9.14E-06	8.22E-06	No	5.11E-06	5.47E-06	No
	14-Jul-15	4.35E-05	1.92E-05	Yes	-3.05E-07	3.42E-07	No
	21-Jul-15	8.19E-07	7.23E-06	No	0.00E+00	7.25E-06	No
	28-Jul-15	6.00E-05	2.00E-05	Yes	0.00E+00	7.42E-06	No
	4-Aug-15	3.30E-05	1.43E-05	Yes	0.00E+00	6.96E-06	No
	11-Aug-15	3.95E-05	1.60E-05	Yes	0.00E+00	7.17E-06	No

Location	Sample Date	Am-241			Cm-244		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
235-F Sandfilter Discharge	18-Aug-15	1.55E-05	1.05E-05	No	0.00E+00	6.86E-06	No
	25-Aug-15	4.46E-05	1.71E-05	Yes	-3.84E-06	3.84E-06	No
	1-Sep-15	2.26E-05	1.27E-05	No	6.03E-06	6.05E-06	No
	8-Sep-15	9.57E-06	8.51E-06	No	-3.76E-06	3.76E-06	No
	15-Sep-15	2.66E-05	1.24E-05	Yes	1.79E-06	6.45E-06	No
	22-Sep-15	1.40E-06	7.19E-06	No	0.00E+00	7.02E-06	No
	29-Sep-15	1.99E-05	1.10E-05	No	0.00E+00	6.66E-06	No
	6-Oct-15	1.83E-05	1.28E-05	No	0.00E+00	7.32E-06	No
	13-Oct-15	9.76E-06	8.21E-06	No	0.00E+00	6.68E-06	No
	20-Oct-15	5.76E-05	2.27E-05	Yes	0.00E+00	6.42E-06	No
	27-Oct-15	3.24E-05	1.38E-05	Yes	5.16E-06	5.49E-06	No
	3-Nov-15	2.41E-05	1.35E-05	Yes	-2.78E-07	3.11E-07	No
	10-Nov-15	6.86E-06	8.92E-06	No	-2.81E-07	3.12E-07	No
	17-Nov-15	2.30E-05	1.18E-05	No	-5.95E-07	6.67E-07	No
	24-Nov-15	3.35E-05	1.40E-05	Yes	-4.30E-06	3.73E-06	No
	1-Dec-15	2.49E-05	1.51E-05	No	1.11E-05	7.88E-06	No
	8-Dec-15	3.27E-05	1.50E-05	Yes	3.54E-06	6.75E-06	No
	15-Dec-15	3.41E-05	1.50E-05	Yes	5.84E-06	5.84E-06	No
	22-Dec-15	2.32E-05	1.20E-05	No	1.95E-06	7.02E-06	No
	29-Dec-15	7.65E-06	9.56E-06	No	6.00E-06	6.01E-06	No
241-278H Caustic Extraction	12-Mar-15	1.83E-05	1.71E-05	No	-3.89E-06	1.52E-05	No
	10-Sep-15	4.38E-05	2.44E-05	No	0.00E+00	1.25E-05	No
241-81H ETP Process Stack	21-Dec-15	2.92E-05	1.75E-05	No	9.89E-06	9.89E-06	No
241-84H ETP Lab Stack	21-Dec-15	1.16E-04	3.61E-05	Yes	0.00E+00	1.26E-05	No
250-S Glass Waste Bldg #1488	26-May-15	4.68E-04	3.27E-04	No	-9.95E-05	9.97E-05	No
250-S Glass Waste Bldg #1509	2-Jun-15	5.19E-04	2.87E-04	No	0.00E+00	1.78E-04	No
250-S Glass Waste Bldg #3928	11-May-15	6.59E-04	2.90E-04	Yes	0.00E+00	1.33E-04	No
250-S Glass Waste Bldg #3940	18-May-15	5.81E-04	2.82E-04	Yes	4.03E-05	1.45E-04	No
251-S Glass Waste Bldg2 Vault A	2-Jun-15	2.06E-05	1.34E-05	No	0.00E+00	8.25E-06	No
251-S Glass Waste Bldg2 Vault B	26-May-15	1.72E-05	1.11E-05	No	0.00E+00	7.56E-06	No
251-S Glass Waste Bldg2 Vault C	18-May-15	4.14E-06	1.18E-05	No	0.00E+00	6.70E-06	No
251-S Glass Waste	11-May-15	2.07E-05	1.34E-05	No	7.43E-06	7.45E-06	No

Location	Sample Date	Am-241			Cm-244		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
Bldg2 Vault D							
291-F Stack Isokinetic	5-Jan-15	7.76E-04	1.42E-04	Yes	5.05E-05	4.03E-05	No
	12-Jan-15	1.46E-04	5.57E-05	Yes	-1.37E-05	1.38E-05	No
	19-Jan-15	4.95E-04	1.14E-04	Yes	4.68E-05	3.31E-05	No
	26-Jan-15	4.14E-05	2.97E-05	No	-1.38E-05	1.39E-05	No
	2-Feb-15	4.19E-05	3.01E-05	No	6.27E-05	3.64E-05	No
	9-Feb-15	2.15E-05	2.33E-05	No	3.03E-05	3.57E-05	No
	16-Feb-15	1.83E-04	6.59E-05	Yes	8.92E-05	4.58E-05	No
	23-Feb-15	8.62E-05	4.35E-05	No	3.43E-05	4.22E-05	No
	2-Mar-15	4.51E-04	1.08E-04	Yes	1.10E-04	4.96E-05	Yes
	9-Mar-15	4.76E-04	1.03E-04	Yes	9.78E-05	4.42E-05	Yes
	16-Mar-15	2.02E-05	2.17E-05	No	0.00E+00	2.65E-05	No
	23-Mar-15	4.68E-05	4.76E-05	No	0.00E+00	2.94E-05	No
	30-Mar-15	3.46E-04	9.71E-05	Yes	3.57E-05	4.24E-05	No
	6-Apr-15	-3.16E-05	2.16E-05	No	6.78E-05	3.94E-05	No
	13-Apr-15	2.31E-05	2.45E-05	No	7.97E-06	2.87E-05	No
	20-Apr-15	2.89E-04	9.21E-05	Yes	2.52E-05	2.52E-05	No
	27-Apr-15	-1.71E-05	1.47E-05	No	-1.44E-05	1.44E-05	No
	4-May-15	-2.52E-06	2.83E-06	No	-1.56E-05	1.56E-05	No
	11-May-15	8.11E-06	2.92E-05	No	-1.60E-05	1.61E-05	No
	18-May-15	4.65E-05	3.30E-05	No	0.00E+00	2.85E-05	No
	25-May-15	1.18E-04	5.14E-05	Yes	1.90E-05	2.03E-05	No
	1-Jun-15	-4.57E-06	5.11E-06	No	-1.56E-05	1.45E-05	No
	8-Jun-15	1.34E-05	3.84E-05	No	2.61E-05	3.53E-05	No
	15-Jun-15	-1.76E-06	1.97E-06	No	2.14E-05	2.59E-05	No
	22-Jun-15	2.34E-05	2.48E-05	No	8.11E-06	2.92E-05	No
	29-Jun-15	5.16E-05	3.76E-05	No	0.00E+00	3.24E-05	No
	6-Jul-15	2.78E-04	9.00E-05	Yes	1.28E-04	6.40E-05	Yes
	13-Jul-15	1.77E-05	3.93E-05	No	-3.03E-05	2.19E-05	No
	20-Jul-15	-1.42E-05	1.42E-05	No	-3.68E-07	4.07E-07	No
	27-Jul-15	1.55E-05	3.96E-05	No	2.27E-05	2.31E-05	No
	3-Aug-15	0.00E+00	2.76E-05	No	0.00E+00	2.76E-05	No
	10-Aug-15	0.00E+00	3.11E-05	No	8.08E-06	2.91E-05	No
	17-Aug-15	0.00E+00	3.09E-05	No	0.00E+00	3.11E-05	No
	24-Aug-15	-3.00E-06	3.35E-06	No	6.92E-05	4.62E-05	No
	28-Aug-15	-1.71E-06	1.90E-06	No	4.08E-05	5.14E-05	No
	31-Aug-15	1.14E-04	8.76E-05	No	-7.84E-06	8.80E-06	No
	7-Sep-15	0.00E+00	2.52E-05	No	7.54E-06	2.72E-05	No
	14-Sep-15	5.19E-05	3.68E-05	No	0.00E+00	3.06E-05	No
	21-Sep-15	9.68E-05	4.95E-05	No	-1.81E-05	1.61E-05	No
	28-Sep-15	-1.12E-06	1.31E-06	No	3.41E-05	3.41E-05	No

Location	Sample Date	Am-241			Cm-244		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
291-F Stack Isokinetic	5-Oct-15	2.57E-04	7.97E-05	Yes	6.95E-05	4.04E-05	No
	12-Oct-15	6.19E-05	3.66E-05	No	2.06E-05	2.07E-05	No
	19-Oct-15	4.68E-05	3.32E-05	No	0.00E+00	2.69E-05	No
	26-Oct-15	4.95E-05	3.51E-05	No	-1.63E-05	1.64E-05	No
	2-Nov-15	6.62E-05	3.85E-05	No	2.78E-05	3.43E-05	No
	12-Nov-15	8.59E-04	1.29E-04	Yes	1.29E-04	4.87E-05	Yes
	16-Nov-15	5.14E-04	1.37E-04	Yes	3.22E-05	3.42E-05	No
	23-Nov-15	2.45E-05	2.60E-05	No	-1.24E-06	1.39E-06	No
	30-Nov-15	3.30E-04	8.84E-05	Yes	2.18E-05	2.18E-05	No
	7-Dec-15	2.02E-04	7.02E-05	Yes	6.30E-06	2.27E-05	No
	14-Dec-15	1.42E-04	5.44E-05	Yes	3.92E-05	2.86E-05	No
	21-Dec-15	0.00E+00	4.57E-05	No	-1.17E-06	1.39E-06	No
	28-Dec-15	-1.36E-05	1.36E-05	No	-1.05E-06	1.16E-06	No
	4-Jan-16	3.38E-04	8.96E-05	Yes	2.22E-05	2.22E-05	No
291-H Stack Isokinetic	8-Jan-15	1.39E-04	3.94E-05	Yes	3.16E-05	1.84E-05	No
	15-Jan-15	1.10E-04	3.54E-05	Yes	3.24E-05	1.89E-05	No
	22-Jan-15	2.05E-05	1.47E-05	No	1.02E-05	1.02E-05	No
	28-Jan-15	7.62E-05	3.17E-05	Yes	-2.52E-05	1.47E-05	No
	5-Feb-15	1.76E-04	4.22E-05	Yes	1.83E-05	1.29E-05	No
	12-Feb-15	2.54E-05	1.87E-05	No	4.30E-06	1.55E-05	No
	19-Feb-15	2.25E-05	1.60E-05	No	-4.32E-06	1.53E-05	No
	26-Feb-15	2.51E-04	5.80E-05	Yes	3.08E-06	1.32E-05	No
	5-Mar-15	8.73E-05	3.19E-05	Yes	3.27E-05	1.89E-05	No
	12-Mar-15	1.35E-05	1.66E-05	No	3.46E-06	1.25E-05	No
	19-Mar-15	3.14E-05	1.86E-05	No	2.44E-05	1.95E-05	No
	26-Mar-15	6.08E-05	3.24E-05	Yes	0.00E+00	1.52E-05	No
	2-Apr-15	1.74E-04	5.21E-05	Yes	1.23E-05	1.23E-05	No
	9-Apr-15	2.26E-05	1.65E-05	No	2.29E-05	1.63E-05	No
	16-Apr-15	1.10E-04	3.72E-05	Yes	3.16E-05	1.84E-05	No
	23-Apr-15	1.83E-04	4.76E-05	Yes	3.38E-05	1.97E-05	No
	30-Apr-15	1.81E-04	4.69E-05	Yes	3.46E-06	1.25E-05	No
	7-May-15	9.73E-05	3.36E-05	Yes	0.00E+00	1.30E-05	No
	14-May-15	1.36E-04	3.88E-05	Yes	0.00E+00	1.27E-05	No
	21-May-15	7.70E-05	2.95E-05	Yes	-7.24E-06	7.26E-06	No
	28-May-15	1.01E-04	3.88E-05	Yes	9.70E-06	1.03E-05	No
	4-Jun-15	1.58E-04	4.41E-05	Yes	-3.97E-06	1.42E-05	No
	11-Jun-15	1.08E-04	3.53E-05	Yes	-1.61E-05	1.02E-05	No
	18-Jun-15	2.55E-04	5.69E-05	Yes	-1.69E-05	1.08E-05	No
	25-Jun-15	9.89E-05	3.38E-05	Yes	-7.27E-06	7.28E-06	No
	1-Jul-15	1.55E-04	4.44E-05	Yes	1.18E-05	1.18E-05	No
	9-Jul-15	1.78E-04	4.40E-05	Yes	-1.18E-05	8.59E-06	No

Location	Sample Date	Am-241			Cm-244		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
291-H Stack Isokinetic	16-Jul-15	4.11E-04	7.37E-05	Yes	3.86E-06	1.33E-05	No
	23-Jul-15	1.51E-04	4.38E-05	Yes	-1.71E-07	1.93E-07	No
	30-Jul-15	1.94E-04	4.82E-05	Yes	-1.74E-07	1.94E-07	No
	6-Aug-15	2.13E-04	4.81E-05	Yes	-6.68E-06	6.71E-06	No
	13-Aug-15	1.42E-04	3.88E-05	Yes	9.97E-06	9.97E-06	No
	20-Aug-15	2.05E-05	1.45E-05	No	1.01E-05	1.01E-05	No
	27-Aug-15	9.86E-05	3.43E-05	Yes	2.05E-05	1.58E-05	No
	3-Sep-15	3.49E-05	1.86E-05	No	-7.43E-06	6.12E-06	No
	10-Sep-15	9.00E-05	3.22E-05	Yes	-3.70E-06	1.52E-05	No
	17-Sep-15	-1.01E-05	1.55E-05	No	0.00E+00	1.30E-05	No
	24-Sep-15	3.11E-05	1.84E-05	No	1.99E-05	1.49E-05	No
	1-Oct-15	7.03E-05	3.09E-05	Yes	-9.03E-07	1.01E-06	No
	8-Oct-15	1.97E-04	4.95E-05	Yes	2.29E-05	1.63E-05	No
	15-Oct-15	1.01E-05	1.07E-05	No	1.05E-05	1.05E-05	No
	22-Oct-15	1.24E-05	1.24E-05	No	0.00E+00	1.52E-05	No
	29-Oct-15	3.84E-05	2.23E-05	No	0.00E+00	1.55E-05	No
	5-Nov-15	5.43E-05	2.45E-05	No	-5.30E-07	5.93E-07	No
	12-Nov-15	2.58E-04	5.60E-05	Yes	1.42E-05	1.74E-05	No
	19-Nov-15	1.58E-04	4.47E-05	Yes	-5.57E-07	6.23E-07	No
	26-Nov-15	3.95E-05	2.55E-05	No	1.13E-05	2.47E-05	No
	3-Dec-15	3.54E-05	2.14E-05	No	0.00E+00	1.45E-05	No
	10-Dec-15	2.16E-05	1.63E-05	No	1.12E-05	1.12E-05	No
	17-Dec-15	6.68E-05	2.76E-05	Yes	3.24E-05	1.92E-05	No
	24-Dec-15	7.05E-05	3.55E-05	Yes	5.30E-06	2.10E-05	No
	31-Dec-15	2.67E-05	1.90E-05	No	-5.14E-07	5.89E-07	No
291-S Vit. Process (Zone 1)	2-Feb-15	5.70E-05	2.57E-04	No	2.10E-04	2.11E-04	No
	20-Apr-15	0.00E+00	2.33E-04	No	1.95E-04	1.95E-04	No
	3-Aug-15	1.31E-03	6.24E-04	Yes	2.02E-04	2.02E-04	No
	19-Oct-15	4.73E-04	4.46E-04	No	0.00E+00	2.74E-04	No
451-Z Saltstone Vaults	11-Feb-15	-7.84E-06	7.26E-06	No	1.07E-05	1.07E-05	No
	19-May-15	3.73E-05	2.18E-05	No	0.00E+00	1.27E-05	No
	12-Aug-15	3.22E-05	1.74E-05	No	0.00E+00	9.78E-06	No
	18-Nov-15	3.57E-05	2.30E-05	No	9.68E-06	1.08E-05	No
511-S Low Pt. Pump Pit	2-Feb-15	-1.04E-05	1.20E-05	No	-7.76E-04	3.84E-04	No
	20-Apr-15	2.09E-04	1.49E-04	No	1.03E-04	1.03E-04	No
	3-Aug-15	5.81E-04	3.17E-04	No	-1.01E-04	1.01E-04	No
	19-Oct-15	1.17E-03	4.22E-04	Yes	1.33E-04	1.34E-04	No
512-S Late Wash	2-Feb-15	8.84E-06	9.78E-06	No	0.00E+00	7.22E-06	No
	20-Apr-15	2.81E-05	1.25E-05	Yes	-2.66E-07	3.19E-07	No
	3-Aug-15	1.65E-05	1.08E-05	No	5.95E-06	5.95E-06	No
	19-Oct-15	3.41E-05	1.69E-05	No	7.16E-06	7.18E-06	No

Location	Sample Date	Am-241			Cm-244		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
772-4F	5-Jan-15	1.06E-05	1.53E-05	No	-5.00E-06	5.02E-06	No
	12-Jan-15	6.73E-05	2.73E-05	Yes	0.00E+00	1.21E-05	No
	19-Jan-15	2.70E-05	1.70E-05	Yes	0.00E+00	9.74E-06	No
	26-Jan-15	5.19E-05	2.28E-05	Yes	7.89E-06	7.89E-06	No
	2-Feb-15	4.14E-05	2.01E-05	Yes	7.49E-06	7.48E-06	No
	9-Feb-15	2.04E-05	1.28E-05	No	-7.95E-07	9.28E-07	No
	16-Feb-15	2.34E-05	1.59E-05	No	-7.78E-07	9.44E-07	No
	23-Feb-15	3.27E-05	1.55E-05	No	-7.76E-07	9.24E-07	No
	2-Mar-15	3.78E-05	1.75E-05	Yes	-1.14E-07	1.37E-07	No
	9-Mar-15	5.51E-05	2.14E-05	Yes	2.26E-06	8.55E-06	No
	16-Mar-15	3.81E-05	1.78E-05	No	2.25E-06	8.12E-06	No
	23-Mar-15	4.46E-05	1.91E-05	Yes	6.68E-06	6.70E-06	No
	30-Mar-15	1.68E-05	1.34E-05	No	7.14E-06	7.14E-06	No
	6-Apr-15	2.46E-05	1.43E-05	No	-1.08E-05	7.79E-06	No
	13-Apr-15	2.84E-05	1.55E-05	No	7.03E-06	7.46E-06	No
	20-Apr-15	3.78E-05	1.94E-05	No	-5.27E-06	4.89E-06	No
	27-Apr-15	2.69E-05	1.46E-05	No	0.00E+00	8.76E-06	No
	4-May-15	5.24E-06	7.10E-06	No	0.00E+00	8.53E-06	No
	11-May-15	1.29E-05	1.06E-05	No	0.00E+00	8.11E-06	No
	18-May-15	1.76E-05	1.27E-05	No	0.00E+00	7.73E-06	No
	25-May-15	3.59E-05	1.85E-05	No	-4.68E-06	4.69E-06	No
	1-Jun-15	3.57E-05	1.83E-05	Yes	-4.62E-06	4.62E-06	No
	8-Jun-15	2.09E-05	1.27E-05	No	-5.57E-06	1.04E-05	No
	15-Jun-15	4.14E-05	1.85E-05	Yes	3.35E-06	7.66E-06	No
	22-Jun-15	1.75E-06	9.40E-06	No	-8.32E-06	6.09E-06	No
	29-Jun-15	2.14E-05	1.55E-05	No	-3.86E-07	4.29E-07	No
	6-Jul-15	2.69E-05	1.52E-05	No	-3.78E-07	4.23E-07	No
	13-Jul-15	2.89E-05	1.75E-05	No	6.76E-06	7.20E-06	No
	20-Jul-15	2.06E-05	1.31E-05	No	7.27E-06	7.29E-06	No
	27-Jul-15	1.29E-05	1.68E-05	No	0.00E+00	8.45E-06	No
	3-Aug-15	3.16E-05	1.51E-05	Yes	6.49E-06	6.51E-06	No
	10-Aug-15	-4.11E-06	9.67E-06	No	2.27E-06	8.18E-06	No
	17-Aug-15	3.62E-05	1.90E-05	No	2.39E-06	8.63E-06	No
	24-Aug-15	1.70E-05	1.17E-05	No	-4.22E-06	4.24E-06	No
	31-Aug-15	1.43E-05	1.37E-05	No	0.00E+00	9.17E-06	No
	7-Sep-15	1.45E-05	1.38E-05	No	7.08E-06	7.10E-06	No
	14-Sep-15	1.58E-05	1.33E-05	No	2.34E-06	8.43E-06	No
	21-Sep-15	2.05E-05	1.24E-05	No	0.00E+00	8.67E-06	No
	28-Sep-15	1.48E-05	1.39E-05	No	-4.78E-06	4.81E-06	No
	5-Oct-15	2.61E-05	1.47E-05	No	0.00E+00	8.63E-06	No
	12-Oct-15	-6.19E-06	4.73E-06	No	0.00E+00	8.92E-06	No

Location	Sample Date	Am-241			Cm-244		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
772-4F	19-Oct-15	2.76E-05	1.66E-05	No	0.00E+00	8.46E-06	No
	26-Oct-15	1.49E-05	1.27E-05	No	6.32E-06	6.73E-06	No
	2-Nov-15	8.38E-06	1.09E-05	No	1.92E-06	8.21E-06	No
	9-Nov-15	2.41E-05	1.60E-05	No	7.03E-06	7.43E-06	No
	16-Nov-15	1.96E-05	1.60E-05	No	-7.46E-07	8.52E-07	No
	23-Nov-15	1.24E-05	9.09E-06	No	7.65E-06	9.93E-06	No
	30-Nov-15	4.11E-05	2.09E-05	Yes	1.59E-05	1.12E-05	No
	7-Dec-15	5.08E-05	2.21E-05	Yes	0.00E+00	8.23E-06	No
	14-Dec-15	3.62E-05	1.75E-05	Yes	2.51E-06	9.04E-06	No
	21-Dec-15	1.83E-05	1.57E-05	No	6.97E-06	6.99E-06	No
	28-Dec-15	5.89E-05	2.15E-05	Yes	7.35E-06	7.36E-06	No
	4-Jan-16	3.41E-05	1.58E-05	No	0.00E+00	8.51E-06	No
KIS STACK	5-Jan-15	4.86E-06	1.76E-05	No	1.44E-05	1.44E-05	No
	12-Jan-15	0.00E+00	1.84E-05	No	-3.05E-05	1.78E-05	No
	19-Jan-15	1.46E-05	1.58E-05	No	1.39E-05	1.57E-05	No
	26-Jan-15	1.34E-05	1.46E-05	No	1.27E-05	1.45E-05	No
	2-Feb-15	1.41E-05	1.44E-05	No	0.00E+00	1.62E-05	No
	9-Feb-15	-1.03E-06	1.24E-06	No	2.86E-05	2.03E-05	No
	16-Feb-15	0.00E+00	1.58E-05	No	-7.68E-07	9.28E-07	No
	23-Feb-15	0.00E+00	1.80E-05	No	-7.59E-07	9.17E-07	No
	2-Mar-15	9.62E-06	2.46E-05	No	-2.12E-05	1.35E-05	No
	9-Mar-15	0.00E+00	1.84E-05	No	2.78E-06	1.80E-05	No
	16-Mar-15	-6.35E-07	2.03E-05	No	0.00E+00	1.88E-05	No
	23-Mar-15	-5.89E-06	7.15E-06	No	1.52E-05	1.52E-05	No
	30-Mar-15	-1.62E-05	1.22E-05	No	1.52E-05	1.53E-05	No
	6-Apr-15	1.48E-05	1.56E-05	No	0.00E+00	1.91E-05	No
	13-Apr-15	1.48E-05	1.56E-05	No	0.00E+00	1.83E-05	No
	20-Apr-15	0.00E+00	1.81E-05	No	0.00E+00	1.81E-05	No
	27-Apr-15	-1.06E-05	9.04E-06	No	0.00E+00	1.72E-05	No
	4-May-15	-2.17E-06	2.43E-06	No	1.92E-05	1.92E-05	No
	11-May-15	0.00E+00	1.72E-05	No	1.45E-05	1.45E-05	No
	18-May-15	0.00E+00	1.84E-05	No	5.16E-06	1.86E-05	No
	25-May-15	7.49E-05	3.60E-05	Yes	1.46E-05	1.56E-05	No
	1-Jun-15	1.15E-04	5.46E-05	Yes	-1.67E-05	1.57E-05	No
	8-Jun-15	-1.40E-06	1.57E-06	No	3.43E-06	2.39E-05	No
	15-Jun-15	-3.08E-05	1.72E-05	No	-2.19E-05	1.39E-05	No
	22-Jun-15	1.58E-05	1.92E-05	No	2.42E-05	1.72E-05	No
	29-Jun-15	-9.84E-07	1.10E-06	No	1.93E-05	1.93E-05	No
	6-Jul-15	-9.70E-06	1.08E-05	No	-1.14E-05	1.27E-05	No
	13-Jul-15	8.62E-06	2.28E-05	No	-1.22E-05	1.35E-05	No
	20-Jul-15	0.00E+00	2.03E-05	No	-2.61E-07	2.92E-07	No

Location	Sample Date	Am-241			Cm-244		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
KIS STACK	27-Jul-15	0.00E+00	2.43E-05	No	-3.14E-07	3.52E-07	No
	3-Aug-15	1.98E-05	1.98E-05	No	6.51E-06	2.35E-05	No
	10-Aug-15	6.14E-06	2.21E-05	No	1.82E-05	1.82E-05	No
	17-Aug-15	1.79E-05	1.80E-05	No	0.00E+00	2.22E-05	No
	24-Aug-15	5.05E-05	3.14E-05	No	1.49E-05	1.80E-05	No
	31-Aug-15	-2.63E-06	2.95E-06	No	1.69E-05	1.99E-05	No
	7-Sep-15	6.35E-06	2.29E-05	No	-2.51E-05	1.78E-05	No
	14-Sep-15	-1.21E-05	1.21E-05	No	-1.20E-05	1.20E-05	No
	21-Sep-15	2.48E-05	3.03E-05	No	-1.61E-06	1.80E-06	No
	28-Sep-15	3.95E-05	2.89E-05	No	-1.60E-06	1.80E-06	No
	5-Oct-15	-8.84E-07	9.82E-07	No	-1.21E-05	1.21E-05	No
	12-Oct-15	3.62E-05	2.64E-05	No	1.83E-05	1.84E-05	No
	19-Oct-15	0.00E+00	2.43E-05	No	1.96E-05	1.96E-05	No
	26-Oct-15	-1.38E-05	1.38E-05	No	0.00E+00	2.44E-05	No
	2-Nov-15	6.65E-06	2.40E-05	No	2.53E-05	3.09E-05	No
	9-Nov-15	0.00E+00	2.21E-05	No	-9.54E-07	1.06E-06	No
	16-Nov-15	5.46E-06	2.34E-05	No	-9.84E-07	1.09E-06	No
	23-Nov-15	1.90E-05	2.01E-05	No	-9.78E-07	1.09E-06	No
	30-Nov-15	2.39E-05	3.06E-05	No	1.92E-05	1.92E-05	No
	7-Dec-15	1.12E-05	3.38E-05	No	6.51E-06	2.37E-05	No
	14-Dec-15	3.70E-05	2.63E-05	No	-9.19E-07	1.02E-06	No
	21-Dec-15	3.70E-05	2.64E-05	No	-9.22E-07	1.02E-06	No
	28-Dec-15	1.82E-05	1.83E-05	No	-9.19E-07	1.02E-06	No
	4-Jan-16	5.89E-06	2.23E-05	No	0.00E+00	2.28E-05	No
Saltstone SDU-2	11-Feb-15	2.95E-06	1.28E-05	No	0.00E+00	1.33E-05	No
	19-May-15	2.09E-05	2.08E-05	No	0.00E+00	1.07E-05	No
	12-Aug-15	2.67E-05	1.71E-05	No	0.00E+00	1.11E-05	No
	18-Nov-15	7.22E-05	2.80E-05	Yes	9.27E-06	1.04E-05	No
Saltstone SDU-5	11-Feb-15	1.98E-05	1.35E-05	No	-6.89E-07	8.16E-07	No
	19-May-15	4.27E-06	8.14E-06	No	0.00E+00	9.09E-06	No
	12-Aug-15	3.84E-05	1.68E-05	Yes	0.00E+00	7.95E-06	No
	18-Nov-15	9.22E-06	1.12E-05	No	-6.62E-07	7.49E-07	No

Table 14 Radioactivity in Air Emission Samples (continued)

Location	Sample Date	Gross Beta			Gross Alpha		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
210-Z Building Stack	11-Feb-15	5.14E-02	6.39E-02	No	-1.89E-02	9.71E-03	No
	19-May-15	9.16E-02	6.52E-02	No	-1.49E-02	1.13E-02	No
	12-Aug-15	7.14E-02	6.98E-02	No	1.43E-03	2.53E-02	No
	18-Nov-15	6.46E-01	1.57E-01	Yes	7.24E-02	6.43E-02	No
221-S Personnel Area (Zone 2)	2-Feb-15	-2.03E-02	6.71E-02	No	-2.26E-02	7.88E-03	No
	20-Apr-15	4.76E-02	7.21E-02	No	-1.77E-02	9.40E-03	No
	3-Aug-15	-1.48E-03	7.05E-02	No	2.76E-02	3.84E-02	No
	19-Oct-15	6.78E-02	7.49E-02	No	2.51E-02	3.64E-02	No
235-F Sandfilter Discharge	6-Jan-15	5.65E-04	1.53E-03	No	6.41E-04	8.26E-04	No
	13-Jan-15	2.43E-04	1.65E-03	No	6.22E-04	8.23E-04	No
	20-Jan-15	2.28E-03	1.70E-03	No	-4.73E-04	2.43E-04	No
	27-Jan-15	1.84E-03	1.59E-03	No	1.06E-04	6.35E-04	No
	3-Feb-15	1.25E-03	1.75E-03	No	6.30E-04	8.35E-04	No
	10-Feb-15	2.47E-03	3.15E-03	No	1.62E-04	1.20E-03	No
	17-Feb-15	5.49E-04	1.66E-03	No	-5.35E-04	1.86E-04	No
	24-Feb-15	-2.13E-03	1.33E-03	No	-5.14E-04	1.79E-04	No
	3-Mar-15	8.68E-04	1.49E-03	No	-4.59E-04	2.58E-04	No
	10-Mar-15	2.52E-03	1.66E-03	No	1.03E-04	6.19E-04	No
	17-Mar-15	1.94E-04	1.41E-03	No	-4.59E-04	2.58E-04	No
	24-Mar-15	3.59E-03	1.76E-03	No	2.08E-04	6.45E-04	No
	31-Mar-15	9.14E-04	1.49E-03	No	2.11E-04	6.48E-04	No
	7-Apr-15	1.67E-03	1.77E-03	No	1.92E-03	1.15E-03	No
	14-Apr-15	1.39E-03	1.65E-03	No	-3.95E-04	2.09E-04	No
	21-Apr-15	3.08E-03	1.83E-03	No	-4.03E-04	2.13E-04	No
	28-Apr-15	1.95E-03	1.73E-03	No	-3.54E-04	1.88E-04	No
	5-May-15	2.95E-03	1.84E-03	No	7.78E-04	8.22E-04	No
	12-May-15	9.62E-04	1.66E-03	No	-3.59E-04	1.93E-04	No
	19-May-15	4.86E-05	1.50E-03	No	1.59E-04	5.90E-04	No
	26-May-15	5.41E-03	3.60E-03	No	3.24E-04	1.21E-03	No
	2-Jun-15	-5.76E-04	1.44E-03	No	-3.95E-04	2.10E-04	No
	9-Jun-15	8.11E-05	1.51E-03	No	-3.92E-04	2.08E-04	No
	16-Jun-15	4.97E-05	1.53E-03	No	1.63E-04	6.04E-04	No
	23-Jun-15	2.78E-03	1.73E-03	No	7.46E-04	8.92E-04	No
	30-Jun-15	1.85E-03	1.64E-03	No	-4.16E-04	3.45E-04	No
	7-Jul-15	-2.20E-04	1.54E-03	No	3.89E-05	6.33E-04	No
	14-Jul-15	7.78E-04	1.64E-03	No	3.65E-05	6.21E-04	No
	21-Jul-15	1.19E-03	1.62E-03	No	-4.27E-04	2.87E-04	No
	28-Jul-15	1.98E-03	1.24E-03	No	1.36E-04	4.85E-04	No
	4-Aug-15	1.29E-03	1.70E-03	No	6.11E-04	8.53E-04	No
	11-Aug-15	-1.40E-03	1.37E-03	No	-5.32E-04	2.56E-04	No

Location	Sample Date	Gross Beta			Gross Alpha		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
235-F Sandfilter Discharge	18-Aug-15	7.84E-04	1.65E-03	No	3.73E-05	6.34E-04	No
	25-Aug-15	8.27E-04	1.52E-03	No	-4.05E-04	3.35E-04	No
	1-Sep-15	9.84E-04	2.96E-03	No	-8.08E-04	6.71E-04	No
	8-Sep-15	3.14E-04	2.90E-03	No	-8.08E-04	6.70E-04	No
	15-Sep-15	4.54E-03	3.62E-03	No	3.08E-04	1.16E-03	No
	22-Sep-15	6.89E-03	3.83E-03	No	-8.16E-04	3.20E-04	No
	29-Sep-15	-3.73E-04	1.38E-03	No	-4.11E-04	2.65E-04	No
	6-Oct-15	5.35E-04	3.06E-03	No	3.38E-04	1.28E-03	No
	13-Oct-15	5.89E-03	3.52E-03	No	3.24E-04	1.25E-03	No
	20-Oct-15	-9.16E-05	3.06E-03	No	-1.03E-03	6.06E-04	No
	27-Oct-15	2.86E-03	3.45E-03	No	-8.24E-04	3.25E-04	No
	3-Nov-15	2.92E-03	3.52E-03	No	1.45E-03	1.64E-03	No
	10-Nov-15	3.27E-03	3.27E-03	No	-8.24E-04	5.30E-04	No
	17-Nov-15	5.05E-03	3.59E-03	No	1.18E-03	1.72E-03	No
	24-Nov-15	7.16E-03	3.76E-03	No	-1.06E-03	6.22E-04	No
	1-Dec-15	-8.08E-04	2.97E-03	No	5.68E-05	1.25E-03	No
	8-Dec-15	-8.89E-04	2.82E-03	No	2.15E-03	1.90E-03	No
	15-Dec-15	-1.73E-03	2.90E-03	No	3.49E-04	1.19E-03	No
	22-Dec-15	5.00E-03	3.46E-03	No	-7.73E-04	3.28E-04	No
	29-Dec-15	9.27E-04	3.09E-03	No	1.43E-03	1.59E-03	No
241-278H Caustic Extraction	12-Mar-15	9.46E-02	1.26E-02	Yes	-1.96E-03	1.07E-03	No
	10-Sep-15	5.24E-03	5.69E-03	No	5.81E-04	2.35E-03	No
241-2H Mercury Stack	12-Mar-15	6.14E-03	2.42E-03	No	1.73E-03	1.42E-03	No
	10-Sep-15	3.68E-03	3.99E-03	No	4.11E-04	1.66E-03	No
241-81H ETP Process Stack	21-Dec-15	9.46E-03	5.97E-03	No	5.57E-04	1.92E-03	No
241-84H ETP Lab Stack	21-Dec-15	3.84E-03	5.53E-03	No	4.95E-04	2.14E-03	No
241-H TK 30 Purge Ex. HTNKE023	3-Nov-15	1.45E+01	3.95E-01	Yes	2.33E-02	1.34E-02	No
	3-Dec-15	1.04E+00	2.72E-02	Yes	9.81E-04	1.83E-03	No
241-H TK 32 Purge Ex. HTNKE027	13-Nov-15	1.21E+02	2.70E+00	Yes	-5.81E-02	1.65E-02	No
	3-Dec-15	1.74E-02	3.86E-03	Yes	9.38E-04	1.36E-03	No
250-S Glass Waste Bldg #1488	26-May-15	4.38E-01	7.90E-02	Yes	3.95E-02	3.23E-02	No
250-S Glass Waste Bldg #1509	2-Jun-15	2.89E-01	7.08E-02	Yes	1.04E-02	2.49E-02	No
250-S Glass Waste Bldg #3928	11-May-15	3.08E-01	6.11E-02	Yes	6.65E-02	3.29E-02	No
250-S Glass Waste Bldg #3940	18-May-15	1.84E-01	5.38E-02	Yes	3.19E-02	2.61E-02	No
251-S Glass Waste	2-Jun-15	2.08E-02	3.90E-03	Yes	1.25E-03	1.45E-03	No

Location	Sample Date	Gross Beta			Gross Alpha		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
Bldg2 Vault A							
251-S Glass Waste Bldg2 Vault B	26-May-15	1.52E-02	3.03E-03	Yes	1.58E-03	1.30E-03	No
251-S Glass Waste Bldg2 Vault C	18-May-15	6.54E-03	2.51E-03	No	4.22E-04	1.00E-03	No
251-S Glass Waste Bldg2 Vault D	11-May-15	7.76E-03	3.11E-03	No	5.24E-04	1.25E-03	No
264-H Stack	10-Jan-15	1.25E-02	3.05E-03	Yes	1.52E-03	1.29E-03	No
	17-Jan-15	9.08E-03	2.77E-03	Yes	-6.73E-04	3.45E-04	No
	24-Jan-15	1.28E-02	3.12E-03	Yes	1.71E-03	1.43E-03	No
	31-Jan-15	8.19E-03	2.74E-03	Yes	-6.95E-04	3.87E-04	No
	7-Feb-15	1.43E-02	3.67E-03	Yes	2.76E-03	1.83E-03	No
	14-Feb-15	2.11E-02	3.91E-03	Yes	1.05E-03	1.36E-03	No
	21-Feb-15	4.00E-03	8.80E-04	Yes	-1.87E-04	9.56E-05	No
	28-Feb-15	1.32E-02	3.13E-03	Yes	-7.46E-04	2.52E-04	No
	7-Mar-15	1.78E-02	3.58E-03	Yes	1.53E-04	9.82E-04	No
	14-Mar-15	1.18E-02	3.19E-03	Yes	1.62E-04	1.01E-03	No
	21-Mar-15	1.10E-02	4.37E-03	No	4.35E-03	2.81E-03	No
	28-Mar-15	1.25E-02	3.17E-03	Yes	3.19E-04	1.00E-03	No
	4-Apr-15	8.59E-03	2.83E-03	Yes	3.00E-04	8.63E-04	No
	11-Apr-15	1.36E-02	3.28E-03	Yes	3.59E-03	1.87E-03	No
	18-Apr-15	5.51E-03	2.76E-03	No	5.27E-03	2.25E-03	Yes
	25-Apr-15	1.33E-02	3.23E-03	Yes	2.97E-04	8.76E-04	No
	2-May-15	9.81E-03	3.12E-03	Yes	3.27E-04	9.36E-04	No
	9-May-15	4.54E-03	2.46E-03	No	2.09E-03	1.59E-03	No
	16-May-15	7.22E-03	2.57E-03	Yes	4.38E-03	2.05E-03	Yes
	23-May-15	1.33E-02	3.11E-03	Yes	-5.54E-04	4.15E-04	No
	30-May-15	1.17E-02	2.28E-03	Yes	3.11E-03	1.38E-03	Yes
	6-Jun-15	9.11E-03	2.14E-03	Yes	7.95E-04	9.21E-04	No
	13-Jun-15	7.62E-03	2.90E-03	No	1.10E-03	1.25E-03	No
	20-Jun-15	1.58E-02	3.65E-03	Yes	4.73E-03	2.22E-03	No
	27-Jun-15	7.54E-03	2.85E-03	No	1.16E-03	1.39E-03	No
	4-Jul-15	1.44E-02	3.30E-03	Yes	1.11E-03	1.33E-03	No
	11-Jul-15	6.41E-03	2.69E-03	No	4.46E-05	9.09E-04	No
	18-Jul-15	1.31E-02	3.22E-03	Yes	-7.95E-04	3.70E-04	No
	25-Jul-15	1.91E-02	2.81E-03	Yes	3.97E-03	1.55E-03	Yes
	1-Aug-15	1.51E-02	2.38E-03	Yes	1.94E-04	7.05E-04	No
	8-Aug-15	1.54E-02	2.49E-03	Yes	3.62E-03	1.43E-03	Yes
	15-Aug-15	1.88E-02	3.75E-03	Yes	2.70E-03	1.83E-03	No
	22-Aug-15	1.24E-02	3.45E-03	Yes	4.19E-05	1.03E-03	No
	29-Aug-15	1.98E-02	3.65E-03	Yes	1.88E-03	1.51E-03	No

Location	Sample Date	Gross Beta			Gross Alpha		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
264-H Stack	5-Sep-15	1.44E-02	3.16E-03	Yes	2.18E-04	9.21E-04	No
	12-Sep-15	1.64E-02	3.29E-03	Yes	1.78E-03	1.43E-03	No
	19-Sep-15	1.30E-02	3.35E-03	Yes	1.83E-03	1.43E-03	No
	26-Sep-15	1.11E-02	2.86E-03	Yes	-5.68E-04	3.61E-04	No
	2-Oct-15	4.81E-03	2.66E-03	No	1.18E-03	1.36E-03	No
	10-Oct-15	8.51E-03	2.57E-03	Yes	-5.22E-04	3.31E-04	No
	17-Oct-15	1.81E-02	3.66E-03	Yes	1.65E-03	1.47E-03	No
	24-Oct-15	1.05E-02	3.07E-03	Yes	1.13E-03	1.31E-03	No
	31-Oct-15	1.01E-02	3.03E-03	Yes	4.57E-03	2.16E-03	No
	7-Nov-15	1.07E-02	3.31E-03	Yes	5.05E-03	2.38E-03	No
	14-Nov-15	3.54E-03	2.43E-03	No	2.84E-03	1.77E-03	No
	21-Nov-15	-1.12E-03	2.13E-03	No	8.65E-04	1.25E-03	No
	28-Nov-15	1.27E-02	3.02E-03	Yes	1.52E-03	1.35E-03	No
	5-Dec-15	2.43E-02	4.00E-03	Yes	1.80E-03	1.60E-03	No
	12-Dec-15	2.81E-02	4.47E-03	Yes	2.69E-03	1.84E-03	No
	19-Dec-15	1.65E-02	3.41E-03	Yes	2.30E-04	8.05E-04	No
	26-Dec-15	6.62E-03	2.54E-03	No	-5.16E-04	2.18E-04	No
	2-Jan-16	9.97E-03	3.12E-03	Yes	2.53E-04	8.76E-04	No
291-F Stack Isokinetic	5-Jan-15	5.65E-02	1.79E-02	Yes	2.20E-02	1.07E-02	No
	12-Jan-15	1.01E-03	1.32E-02	No	1.79E-02	9.89E-03	No
	19-Jan-15	2.89E-02	1.41E-02	No	1.34E-02	8.76E-03	No
	26-Jan-15	2.73E-02	1.36E-02	No	-3.68E-03	2.05E-03	No
	2-Feb-15	1.05E-02	1.31E-02	No	4.05E-04	4.59E-03	No
	9-Feb-15	4.73E-03	1.15E-02	No	-3.57E-03	1.84E-03	No
	16-Feb-15	-1.52E-02	1.08E-02	No	4.62E-04	4.77E-03	No
	23-Feb-15	-6.08E-03	1.14E-02	No	-4.00E-03	1.39E-03	No
	2-Mar-15	1.38E-02	1.21E-02	No	5.16E-03	6.49E-03	No
	9-Mar-15	1.58E-02	1.25E-02	No	1.87E-02	1.02E-02	No
	16-Mar-15	7.11E-03	1.26E-02	No	8.76E-04	5.23E-03	No
	23-Mar-15	3.57E-02	1.51E-02	No	-3.08E-03	2.33E-03	No
	30-Mar-15	3.24E-02	1.40E-02	No	1.05E-02	8.01E-03	No
	6-Apr-15	-5.57E-03	1.11E-02	No	-2.73E-03	1.47E-03	No
	13-Apr-15	1.42E-02	1.41E-02	No	1.34E-03	4.98E-03	No
	20-Apr-15	2.76E-02	1.54E-02	No	6.00E-03	6.83E-03	No
	27-Apr-15	1.50E-02	1.33E-02	No	-2.76E-03	1.47E-03	No
	4-May-15	1.02E-03	1.21E-02	No	1.72E-03	4.71E-03	No
	11-May-15	-9.89E-03	1.25E-02	No	1.17E-02	8.67E-03	No
	18-May-15	1.40E-02	1.40E-02	No	1.34E-03	4.97E-03	No
	25-May-15	1.03E-02	1.25E-02	No	1.23E-03	4.56E-03	No
	1-Jun-15	1.08E-02	1.27E-02	No	-3.05E-03	1.62E-03	No
	8-Jun-15	2.11E-02	1.40E-02	No	1.26E-03	4.70E-03	No

Location	Sample Date	Gross Beta			Gross Alpha		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
291-F Stack Isokinetic	15-Jun-15	8.97E-03	1.36E-02	No	-3.32E-03	1.77E-03	No
	22-Jun-15	3.78E-03	1.22E-02	No	1.39E-03	5.58E-03	No
	29-Jun-15	1.50E-02	1.35E-02	No	1.38E-03	5.60E-03	No
	6-Jul-15	8.51E-03	1.47E-02	No	1.49E-02	9.97E-03	No
	13-Jul-15	4.24E-02	1.64E-02	No	1.14E-03	5.28E-03	No
	20-Jul-15	1.08E-03	1.18E-02	No	5.49E-03	6.61E-03	No
	27-Jul-15	2.95E-02	1.04E-02	Yes	-3.27E-03	2.19E-03	No
	3-Aug-15	1.35E-02	1.44E-02	No	5.05E-03	7.05E-03	No
	10-Aug-15	1.62E-02	1.46E-02	No	-4.54E-03	2.17E-03	No
	17-Aug-15	3.70E-02	1.64E-02	No	2.61E-04	5.26E-03	No
	24-Aug-15	1.63E-02	1.27E-02	No	1.25E-03	5.07E-03	No
	28-Aug-15	1.92E-02	1.91E-02	No	-4.89E-03	3.14E-03	No
	31-Aug-15	1.67E-02	3.06E-02	No	-8.24E-03	6.83E-03	No
	7-Sep-15	2.37E-02	1.44E-02	No	-3.38E-03	2.80E-03	No
	14-Sep-15	3.95E-02	1.68E-02	No	-3.41E-03	1.33E-03	No
	21-Sep-15	3.51E-03	1.33E-02	No	-3.32E-03	1.31E-03	No
	28-Sep-15	-3.86E-04	1.23E-02	No	-3.46E-03	2.22E-03	No
	5-Oct-15	4.95E-02	1.70E-02	Yes	1.09E-02	8.54E-03	No
	12-Oct-15	1.66E-02	1.29E-02	No	1.42E-02	8.88E-03	No
	19-Oct-15	2.23E-02	1.39E-02	No	-3.97E-03	2.33E-03	No
	26-Oct-15	-7.68E-03	1.25E-02	No	-3.43E-03	1.37E-03	No
	2-Nov-15	1.90E-02	1.52E-02	No	1.32E-03	4.97E-03	No
	12-Nov-15	6.16E-02	1.32E-02	Yes	1.94E-02	8.29E-03	Yes
	16-Nov-15	5.59E-02	2.44E-02	No	7.30E-03	1.06E-02	No
	23-Nov-15	-3.19E-03	1.27E-02	No	-4.49E-03	2.65E-03	No
	30-Nov-15	2.37E-02	1.51E-02	No	4.84E-03	7.02E-03	No
	7-Dec-15	4.22E-02	1.43E-02	Yes	-3.59E-03	2.11E-03	No
	14-Dec-15	4.92E-04	1.09E-02	No	1.30E-02	7.95E-03	No
	21-Dec-15	4.84E-02	1.72E-02	Yes	1.08E-02	8.26E-03	No
	28-Dec-15	-9.03E-03	1.03E-02	No	5.38E-03	5.95E-03	No
	4-Jan-16	2.50E-02	1.40E-02	No	2.62E-02	1.10E-02	Yes
291-H Stack Isokinetic	8-Jan-15	9.65E-03	7.03E-03	No	6.43E-03	4.22E-03	No
	15-Jan-15	2.63E-02	8.14E-03	Yes	2.21E-03	2.97E-03	No
	22-Jan-15	2.34E-02	7.41E-03	Yes	-1.69E-03	8.67E-04	No
	28-Jan-15	1.42E-02	7.62E-03	No	-2.08E-03	1.16E-03	No
	5-Feb-15	2.53E-02	7.64E-03	Yes	5.81E-03	3.82E-03	No
	12-Feb-15	1.67E-02	7.39E-03	No	-1.86E-03	9.56E-04	No
	19-Feb-15	9.49E-03	7.25E-03	No	2.06E-04	2.41E-03	No
	26-Feb-15	1.84E-02	8.06E-03	No	8.95E-03	4.95E-03	No
	5-Mar-15	1.47E-02	6.79E-03	No	-1.78E-03	9.97E-04	No
	12-Mar-15	1.55E-02	6.82E-03	No	2.58E-03	3.24E-03	No

Location	Sample Date	Gross Beta			Gross Alpha		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
291-H Stack Isokinetic	19-Mar-15	2.19E-02	7.38E-03	Yes	2.49E-03	3.14E-03	No
	26-Mar-15	1.00E-02	6.12E-03	No	1.13E-02	5.25E-03	Yes
	2-Apr-15	3.24E-02	8.59E-03	Yes	1.00E-02	5.26E-03	No
	9-Apr-15	3.14E-02	8.63E-03	Yes	2.95E-03	3.15E-03	No
	16-Apr-15	1.86E-02	7.40E-03	No	5.97E-04	2.23E-03	No
	23-Apr-15	2.00E-02	7.50E-03	No	-1.49E-03	7.89E-04	No
	30-Apr-15	1.52E-02	7.43E-03	No	3.00E-03	3.17E-03	No
	7-May-15	1.08E-02	6.66E-03	No	-1.31E-03	6.93E-04	No
	14-May-15	8.92E-03	6.50E-03	No	7.86E-04	2.19E-03	No
	21-May-15	5.76E-03	5.64E-03	No	7.59E-04	2.34E-03	No
	28-May-15	8.51E-03	6.33E-03	No	5.76E-04	2.14E-03	No
	4-Jun-15	5.11E-03	6.06E-03	No	-1.45E-03	7.70E-04	No
	11-Jun-15	1.51E-03	5.69E-03	No	-1.45E-03	7.70E-04	No
	18-Jun-15	5.86E-03	6.08E-03	No	4.59E-03	3.57E-03	No
	25-Jun-15	1.60E-02	6.84E-03	No	6.89E-03	4.38E-03	No
	1-Jul-15	1.91E-03	6.85E-03	No	1.59E-04	2.67E-03	No
	9-Jul-15	7.38E-03	5.80E-03	No	1.94E-03	2.72E-03	No
	16-Jul-15	9.22E-03	6.40E-03	No	-1.56E-03	1.05E-03	No
	23-Jul-15	1.25E-02	6.68E-03	No	2.54E-03	3.07E-03	No
	30-Jul-15	1.27E-02	4.93E-03	No	2.56E-03	2.32E-03	No
	6-Aug-15	4.49E-02	9.17E-03	Yes	4.73E-03	3.81E-03	No
	13-Aug-15	6.78E-03	6.65E-03	No	4.43E-03	3.84E-03	No
	20-Aug-15	1.51E-02	7.15E-03	No	1.16E-04	2.30E-03	No
	27-Aug-15	1.15E-02	6.59E-03	No	6.95E-03	4.41E-03	No
	3-Sep-15	3.19E-02	8.26E-03	Yes	5.86E-04	2.45E-03	No
	10-Sep-15	3.00E-03	5.69E-03	No	6.08E-04	2.46E-03	No
	17-Sep-15	2.89E-03	6.27E-03	No	-1.52E-03	6.01E-04	No
	24-Sep-15	2.04E-02	7.78E-03	No	-1.54E-03	5.98E-04	No
	1-Oct-15	1.24E-02	6.77E-03	No	6.22E-04	2.40E-03	No
	8-Oct-15	1.79E-02	7.49E-03	No	2.84E-03	3.29E-03	No
	15-Oct-15	1.11E-02	6.66E-03	No	6.16E-04	2.38E-03	No
	22-Oct-15	9.81E-03	6.79E-03	No	-1.96E-03	1.15E-03	No
	29-Oct-15	1.93E-02	7.84E-03	No	2.73E-03	3.12E-03	No
	5-Nov-15	1.45E-02	7.24E-03	No	5.68E-04	2.18E-03	No
	12-Nov-15	2.70E-02	8.28E-03	Yes	5.11E-03	4.02E-03	No
	19-Nov-15	2.36E-02	8.00E-03	Yes	1.04E-04	2.44E-03	No
	26-Nov-15	1.34E-02	7.13E-03	No	1.06E-04	2.41E-03	No
	3-Dec-15	1.96E-02	7.29E-03	No	2.03E-03	2.94E-03	No
	10-Dec-15	2.36E-02	7.78E-03	Yes	4.11E-03	3.66E-03	No
	17-Dec-15	1.79E-02	7.05E-03	No	6.41E-03	3.93E-03	No
	24-Dec-15	2.25E-02	7.60E-03	Yes	2.61E-03	2.90E-03	No

Location	Sample Date	Gross Beta			Gross Alpha		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
291-H Stack Isokinetic	31-Dec-15	9.30E-03	6.45E-03	No	-1.41E-03	5.97E-04	No
291-S Vit. Process (Zone 1)	2-Feb-15	3.38E-01	1.37E-01	No	3.11E-03	3.96E-02	No
	20-Apr-15	1.10E-01	1.12E-01	No	4.76E-02	5.42E-02	No
	3-Aug-15	1.14E-01	1.22E-01	No	-3.86E-02	1.84E-02	No
	19-Oct-15	9.81E-02	1.32E-01	No	2.21E-03	4.94E-02	No
451-Z Saltstone Vaults	11-Feb-15	2.70E-02	6.54E-03	Yes	2.18E-04	1.66E-03	No
	19-May-15	2.31E-02	6.84E-03	Yes	6.51E-04	2.04E-03	No
	12-Aug-15	1.98E-02	5.58E-03	Yes	-1.30E-03	6.07E-04	No
	18-Nov-15	5.22E-02	9.13E-03	Yes	1.85E-03	2.69E-03	No
511-S Low Pt. Pump Pit	2-Feb-15	1.61E-01	9.44E-02	No	-2.61E-02	9.00E-03	No
	20-Apr-15	2.20E-01	7.31E-02	Yes	2.52E-02	2.87E-02	No
	3-Aug-15	2.24E-02	8.07E-02	No	1.91E-03	3.20E-02	No
	19-Oct-15	7.49E-02	8.46E-02	No	5.59E-02	4.96E-02	No
512-S Late Wash	2-Feb-15	8.43E-03	3.94E-03	No	-1.05E-03	3.59E-04	No
	20-Apr-15	5.30E-03	3.17E-03	No	2.81E-04	1.05E-03	No
	3-Aug-15	-2.16E-03	3.07E-03	No	1.29E-03	1.79E-03	No
	19-Oct-15	3.08E-03	4.16E-03	No	6.97E-05	1.56E-03	No
735-A Stack	3-Feb-15	2.97E-03	1.29E-03	No	7.86E-04	6.64E-04	No
	3-Mar-15	2.24E-03	1.11E-03	No	-3.19E-04	1.79E-04	No
	7-Apr-15	2.41E-03	1.01E-03	No	1.15E-04	3.25E-04	No
	5-May-15	1.44E-03	1.02E-03	No	-2.51E-04	1.91E-04	No
	2-Jun-15	1.29E-03	7.37E-04	No	5.41E-04	4.41E-04	No
	7-Jul-15	2.65E-03	1.02E-03	No	-2.95E-04	1.39E-04	No
	4-Aug-15	5.70E-03	1.03E-03	Yes	-9.89E-05	2.72E-04	No
	1-Sep-15	3.03E-03	1.20E-03	No	1.04E-04	4.28E-04	No
	13-Oct-15	1.59E-03	7.91E-04	No	2.47E-04	3.58E-04	No
	3-Nov-15	3.59E-03	1.59E-03	No	6.68E-04	7.72E-04	No
	1-Dec-15	1.39E-03	1.10E-03	No	1.88E-05	4.25E-04	No
	5-Jan-16	1.93E-03	9.89E-04	No	9.27E-04	5.92E-04	No
772-1F Stack	5-Jan-15	-6.08E-02	2.92E-02	No	3.24E-02	2.69E-02	No
	12-Jan-15	5.73E-02	4.34E-02	No	2.27E-03	1.69E-02	No
	19-Jan-15	8.11E-02	4.51E-02	No	2.15E-03	1.60E-02	No
	26-Jan-15	-2.05E-02	3.23E-02	No	-1.25E-02	7.03E-03	No
	2-Feb-15	5.68E-02	4.63E-02	No	1.65E-02	2.20E-02	No
	9-Feb-15	-3.32E-03	3.67E-02	No	3.22E-02	2.67E-02	No
	16-Feb-15	6.30E-02	4.36E-02	No	3.16E-02	2.64E-02	No
	23-Feb-15	4.32E-02	4.43E-02	No	1.42E-03	1.62E-02	No
	2-Mar-15	5.57E-02	4.10E-02	No	-1.21E-02	6.76E-03	No
	9-Mar-15	8.95E-02	4.48E-02	No	2.92E-03	1.78E-02	No
	16-Mar-15	1.65E-01	5.10E-02	Yes	-1.24E-02	6.88E-03	No

Location	Sample Date	Gross Beta			Gross Alpha		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
772-1F Stack	23-Mar-15	1.26E-01	4.76E-02	No	-1.02E-02	7.71E-03	No
	30-Mar-15	1.09E-01	4.59E-02	No	-9.97E-03	7.57E-03	No
	6-Apr-15	1.64E-02	4.12E-02	No	2.11E-02	2.22E-02	No
	13-Apr-15	7.65E-02	4.59E-02	No	4.24E-03	1.58E-02	No
	20-Apr-15	5.84E-02	4.40E-02	No	1.91E-02	2.17E-02	No
	27-Apr-15	-4.24E-02	3.49E-02	No	2.16E-02	2.26E-02	No
	4-May-15	1.29E-02	4.16E-02	No	3.68E-02	2.72E-02	No
	11-May-15	1.54E-02	4.03E-02	No	-9.49E-03	5.08E-03	No
	18-May-15	3.49E-03	3.52E-02	No	5.22E-02	3.19E-02	No
	25-May-15	6.00E-02	4.40E-02	No	-1.07E-02	5.68E-03	No
	1-Jun-15	7.62E-02	4.57E-02	No	4.30E-03	1.60E-02	No
	8-Jun-15	5.76E-02	4.41E-02	No	3.38E-02	2.62E-02	No
	15-Jun-15	-7.89E-03	3.72E-02	No	1.89E-02	2.15E-02	No
	22-Jun-15	4.54E-02	4.10E-02	No	4.41E-03	1.79E-02	No
	29-Jun-15	2.86E-02	3.93E-02	No	4.46E-03	1.80E-02	No
	6-Jul-15	4.22E-02	4.49E-02	No	4.59E-02	3.08E-02	No
	13-Jul-15	5.16E-03	3.80E-02	No	-1.14E-02	7.68E-03	No
	20-Jul-15	-2.16E-02	3.53E-02	No	1.96E-02	2.37E-02	No
	27-Jul-15	4.08E-02	3.07E-02	No	1.86E-02	1.68E-02	No
	3-Aug-15	-3.08E-02	3.60E-02	No	1.09E-03	1.70E-02	No
	10-Aug-15	3.16E-02	4.19E-02	No	-1.44E-02	6.87E-03	No
	17-Aug-15	4.05E-03	4.08E-02	No	3.24E-02	2.81E-02	No
	24-Aug-15	6.24E-02	4.28E-02	No	4.30E-03	1.75E-02	No
	31-Aug-15	1.05E-01	4.68E-02	No	4.22E-03	1.72E-02	No
	7-Sep-15	3.54E-02	4.28E-02	No	-1.05E-02	4.13E-03	No
	14-Sep-15	4.89E-02	4.51E-02	No	4.03E-03	1.52E-02	No
	21-Sep-15	5.73E-02	4.57E-02	No	4.00E-03	1.51E-02	No
	28-Sep-15	4.08E-03	3.74E-02	No	5.05E-02	3.15E-02	No
	5-Oct-15	3.86E-02	4.08E-02	No	3.41E-02	2.67E-02	No
	12-Oct-15	1.59E-02	3.86E-02	No	-1.07E-02	6.89E-03	No
	19-Oct-15	8.73E-02	4.71E-02	No	2.92E-02	2.60E-02	No
	26-Oct-15	-1.34E-03	4.05E-02	No	4.43E-03	1.64E-02	No
	2-Nov-15	-8.57E-03	4.01E-02	No	3.43E-02	2.63E-02	No
	9-Nov-15	9.14E-02	4.60E-02	No	4.35E-03	1.68E-02	No
	16-Nov-15	4.78E-02	4.35E-02	No	7.19E-04	1.61E-02	No
	23-Nov-15	3.11E-02	4.19E-02	No	7.51E-04	1.68E-02	No
	30-Nov-15	2.27E-02	4.07E-02	No	7.59E-04	1.69E-02	No
	7-Dec-15	5.30E-02	4.53E-02	No	7.62E-02	3.79E-02	No
	14-Dec-15	7.70E-02	4.51E-02	No	3.27E-02	2.49E-02	No
	21-Dec-15	9.54E-02	4.64E-02	No	-1.02E-02	4.31E-03	No
	28-Dec-15	5.46E-02	4.28E-02	No	-1.01E-02	4.29E-03	No

Location	Sample Date	Gross Beta			Gross Alpha		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
772-1F Stack	4-Jan-16	1.08E-01	4.96E-02	No	2.59E-03	1.58E-02	No
772-4F	5-Jan-15	2.38E-03	2.26E-03	No	2.12E-03	1.39E-03	No
	12-Jan-15	2.33E-03	2.10E-03	No	1.51E-03	1.25E-03	No
	19-Jan-15	1.98E-03	2.04E-03	No	1.01E-04	7.51E-04	No
	26-Jan-15	6.86E-03	4.23E-03	No	4.54E-03	2.94E-03	No
	2-Feb-15	1.08E-02	4.91E-03	No	1.18E-04	1.47E-03	No
	9-Feb-15	-2.69E-03	3.44E-03	No	2.11E-04	1.55E-03	No
	16-Feb-15	1.79E-03	2.24E-03	No	1.51E-03	1.27E-03	No
	23-Feb-15	1.98E-03	2.22E-03	No	7.89E-04	1.05E-03	No
	2-Mar-15	1.32E-03	3.60E-03	No	-1.15E-03	6.46E-04	No
	9-Mar-15	4.86E-04	3.53E-03	No	-1.15E-03	6.48E-04	No
	16-Mar-15	-1.89E-03	1.48E-03	No	1.31E-04	7.72E-04	No
	23-Mar-15	-5.43E-04	1.65E-03	No	2.64E-04	8.09E-04	No
	30-Mar-15	6.81E-04	1.81E-03	No	9.89E-04	1.08E-03	No
	6-Apr-15	7.35E-03	4.55E-03	No	-8.92E-04	4.73E-04	No
	13-Apr-15	-5.68E-05	1.88E-03	No	2.24E-03	1.39E-03	No
	20-Apr-15	3.78E-03	2.28E-03	No	2.01E-04	7.49E-04	No
	27-Apr-15	-4.41E-04	1.93E-03	No	1.00E-03	1.05E-03	No
	4-May-15	9.97E-04	2.04E-03	No	2.70E-04	7.47E-04	No
	11-May-15	1.42E-03	2.10E-03	No	2.76E-04	7.62E-04	No
	18-May-15	3.24E-03	2.07E-03	No	2.60E-04	8.04E-04	No
	25-May-15	2.56E-03	2.17E-03	No	2.03E-04	7.53E-04	No
	1-Jun-15	6.59E-03	2.48E-03	No	-4.95E-04	2.62E-04	No
	8-Jun-15	4.16E-03	2.27E-03	No	-4.89E-04	2.59E-04	No
	15-Jun-15	4.19E-03	2.30E-03	No	2.00E-04	7.43E-04	No
	22-Jun-15	5.76E-04	1.85E-03	No	2.08E-04	8.38E-04	No
	29-Jun-15	1.98E-04	1.83E-03	No	-5.22E-04	4.33E-04	No
	6-Jul-15	-9.14E-04	1.80E-03	No	-6.59E-04	3.15E-04	No
	13-Jul-15	-9.86E-04	1.75E-03	No	-5.30E-04	3.58E-04	No
	20-Jul-15	1.92E-03	2.08E-03	No	-5.35E-04	3.61E-04	No
	27-Jul-15	1.74E-03	2.87E-03	No	-1.05E-03	7.06E-04	No
	3-Aug-15	4.08E-03	2.32E-03	No	-6.78E-04	3.21E-04	No
	10-Aug-15	-1.29E-03	1.84E-03	No	7.73E-04	1.07E-03	No
	17-Aug-15	1.39E-03	2.10E-03	No	4.54E-05	7.84E-04	No
	24-Aug-15	3.70E-03	3.94E-03	No	-9.95E-04	8.23E-04	No
	31-Aug-15	-2.24E-03	3.35E-03	No	4.14E-04	1.66E-03	No
	7-Sep-15	1.05E-02	4.65E-03	No	-1.02E-03	8.44E-04	No
	14-Sep-15	1.52E-03	4.13E-03	No	3.86E-04	1.44E-03	No
	21-Sep-15	2.00E-03	4.26E-03	No	1.79E-03	2.02E-03	No
	28-Sep-15	-9.00E-04	1.72E-03	No	-5.14E-04	3.31E-04	No
	5-Oct-15	3.86E-03	4.07E-03	No	3.24E-03	2.53E-03	No

Location	Sample Date	Gross Beta			Gross Alpha		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
772-4F	12-Oct-15	6.54E-03	4.33E-03	No	4.05E-04	1.56E-03	No
	19-Oct-15	-2.58E-03	3.54E-03	No	-1.29E-03	7.61E-04	No
	26-Oct-15	8.59E-03	4.78E-03	No	-1.04E-03	4.08E-04	No
	2-Nov-15	9.86E-03	4.92E-03	No	3.86E-04	1.49E-03	No
	9-Nov-15	7.27E-04	3.73E-03	No	-1.03E-03	6.62E-04	No
	16-Nov-15	5.65E-03	4.41E-03	No	-1.32E-03	7.78E-04	No
	23-Nov-15	4.68E-03	4.27E-03	No	6.97E-05	1.57E-03	No
	30-Nov-15	6.43E-03	4.51E-03	No	7.00E-05	1.59E-03	No
	7-Dec-15	2.28E-03	4.10E-03	No	7.11E-05	1.58E-03	No
	14-Dec-15	7.84E-03	4.51E-03	No	4.19E-04	1.44E-03	No
	21-Dec-15	1.19E-02	4.83E-03	No	-9.41E-04	3.97E-04	No
	28-Dec-15	-1.24E-03	3.57E-03	No	4.14E-04	1.42E-03	No
	4-Jan-16	3.43E-03	4.05E-03	No	4.43E-03	2.70E-03	No
773-A B Stack	3-Feb-15	1.54E-03	1.06E-03	No	6.97E-04	5.88E-04	No
	3-Mar-15	3.57E-03	1.21E-03	Yes	7.81E-04	6.42E-04	No
	7-Apr-15	2.29E-03	7.17E-04	Yes	2.73E-04	2.90E-04	No
	5-May-15	7.97E-05	9.48E-04	No	1.40E-04	3.82E-04	No
	2-Jun-15	2.31E-04	9.48E-04	No	1.03E-04	3.80E-04	No
	7-Jul-15	1.37E-03	8.55E-04	No	-2.63E-04	1.25E-04	No
	4-Aug-15	9.43E-04	7.04E-04	No	2.54E-04	3.43E-04	No
	1-Sep-15	-1.04E-04	8.09E-04	No	-2.37E-04	1.97E-04	No
	13-Oct-15	2.01E-03	7.59E-04	No	5.03E-04	3.94E-04	No
	3-Nov-15	-2.92E-04	1.18E-03	No	1.26E-04	4.64E-04	No
	1-Dec-15	-6.32E-04	7.95E-04	No	6.65E-04	5.89E-04	No
	5-Jan-16	2.10E-04	7.17E-04	No	-2.09E-04	8.46E-05	No
773-A C Stack	3-Feb-15	2.03E-03	1.10E-03	No	-3.14E-04	1.08E-04	No
	3-Mar-15	2.70E-03	1.11E-03	No	6.46E-05	3.94E-04	No
	7-Apr-15	2.05E-03	9.71E-04	No	7.16E-04	5.32E-04	No
	5-May-15	5.43E-04	7.01E-04	No	3.49E-04	3.67E-04	No
	2-Jun-15	3.54E-04	6.17E-04	No	-2.31E-04	1.77E-04	No
	7-Jul-15	6.57E-04	8.55E-04	No	9.22E-04	6.17E-04	No
	4-Aug-15	7.89E-05	6.49E-04	No	4.32E-04	3.91E-04	No
	1-Sep-15	-3.03E-04	8.04E-04	No	-2.43E-04	2.02E-04	No
	13-Oct-15	1.26E-03	7.27E-04	No	1.13E-05	2.57E-04	No
	3-Nov-15	1.76E-03	1.12E-03	No	9.97E-05	3.79E-04	No
	1-Dec-15	1.35E-03	7.08E-04	No	-2.12E-04	1.24E-04	No
	5-Jan-16	1.86E-03	6.51E-04	Yes	5.54E-04	3.54E-04	No
776-A Stack	3-Feb-15	5.35E-02	1.81E-02	Yes	3.89E-04	5.20E-03	No
	3-Mar-15	1.26E-02	1.31E-02	No	9.41E-04	5.64E-03	No
	7-Apr-15	1.66E-02	1.21E-02	No	1.57E-03	4.38E-03	No
	5-May-15	1.90E-02	1.37E-02	No	1.89E-03	5.85E-03	No

Location	Sample Date	Gross Beta			Gross Alpha		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
776-A Stack	2-Jun-15	8.51E-03	9.24E-03	No	1.25E-02	6.99E-03	No
	7-Jul-15	1.87E-02	1.23E-02	No	2.41E-04	4.47E-03	No
	4-Aug-15	1.82E-02	1.05E-02	No	-1.30E-03	3.62E-03	No
	1-Sep-15	3.22E-02	1.53E-02	No	1.43E-03	5.85E-03	No
	13-Oct-15	1.40E-03	8.67E-03	No	1.62E-04	3.59E-03	No
	3-Nov-15	-1.61E-02	1.45E-02	No	2.02E-03	7.66E-03	No
	1-Dec-15	2.17E-02	1.50E-02	No	-4.68E-03	2.74E-03	No
	5-Jan-16	-8.30E-03	8.92E-03	No	1.21E-02	7.42E-03	No
791-A Sandfilter Discharge	6-Jan-15	4.16E-02	1.48E-02	Yes	9.97E-03	8.21E-03	No
	13-Jan-15	-2.76E-03	1.72E-03	No	-7.46E-04	4.20E-04	No
	20-Jan-15	2.65E-04	2.43E-03	No	3.05E-03	1.98E-03	No
	27-Jan-15	-7.95E-04	2.07E-03	No	1.78E-04	1.05E-03	No
	3-Feb-15	5.11E-03	2.89E-03	No	7.97E-05	9.59E-04	No
	10-Feb-15	6.27E-03	6.32E-03	No	-1.91E-03	9.78E-04	No
	17-Feb-15	-1.74E-03	5.80E-03	No	2.76E-03	3.54E-03	No
	24-Feb-15	7.19E-03	5.50E-03	No	1.62E-04	1.90E-03	No
	3-Mar-15	9.14E-03	5.38E-03	No	-1.54E-03	8.63E-04	No
	10-Mar-15	4.51E-03	2.68E-03	No	1.79E-04	1.08E-03	No
	17-Mar-15	1.35E-02	7.31E-03	No	4.57E-04	2.77E-03	No
	24-Mar-15	3.86E-03	4.71E-03	No	7.00E-04	2.16E-03	No
	31-Mar-15	5.92E-03	4.82E-03	No	-1.18E-03	8.96E-04	No
	14-Apr-15	5.65E-03	2.73E-03	No	-5.46E-04	2.89E-04	No
	21-Apr-15	9.32E-03	5.77E-03	No	-1.18E-03	6.28E-04	No
	28-Apr-15	-1.02E-02	3.31E-03	No	-1.11E-03	6.03E-04	No
	5-May-15	1.34E-02	6.06E-03	No	-1.38E-03	1.05E-03	No
	12-May-15	1.17E-02	5.28E-03	No	-1.18E-03	8.92E-04	No
	19-May-15	7.95E-04	4.13E-03	No	-1.15E-03	8.80E-04	No
	26-May-15	5.57E-03	5.64E-03	No	2.54E-03	2.89E-03	No
	2-Jun-15	1.12E-04	1.66E-03	No	3.73E-04	8.84E-04	No
	9-Jun-15	1.86E-03	2.56E-03	No	2.86E-04	1.16E-03	No
	16-Jun-15	-7.22E-04	4.32E-03	No	-1.19E-03	6.34E-04	No
	23-Jun-15	3.54E-03	4.87E-03	No	5.59E-04	2.26E-03	No
	30-Jun-15	1.03E-02	5.82E-03	No	2.55E-03	3.03E-03	No
	7-Jul-15	6.32E-03	3.09E-03	No	-9.38E-04	4.43E-04	No
	14-Jul-15	9.89E-03	5.64E-03	No	-1.73E-03	8.18E-04	No
	21-Jul-15	6.68E-03	5.23E-03	No	-1.35E-03	9.13E-04	No
	28-Jul-15	5.00E-03	3.77E-03	No	2.23E-03	2.01E-03	No
	4-Aug-15	6.05E-03	3.78E-03	No	4.38E-04	1.57E-03	No
	11-Aug-15	-7.16E-03	3.97E-03	No	1.98E-03	2.73E-03	No
	18-Aug-15	1.42E-02	5.85E-03	No	1.80E-03	2.53E-03	No
	25-Aug-15	5.03E-03	4.63E-03	No	2.14E-03	2.55E-03	No

Location	Sample Date	Gross Beta			Gross Alpha		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
791-A Sandfilter Discharge	1-Sep-15	1.72E-02	5.90E-03	Yes	4.97E-04	2.05E-03	No
	8-Sep-15	4.43E-03	4.70E-03	No	-1.24E-03	1.03E-03	No
	15-Sep-15	-2.49E-03	4.38E-03	No	2.10E-03	2.36E-03	No
	23-Sep-15	1.96E-03	4.26E-03	No	-1.09E-03	4.28E-04	No
	30-Sep-15	3.81E-03	4.80E-03	No	5.35E-04	2.05E-03	No
	13-Oct-15	1.95E-03	2.56E-03	No	-8.22E-04	4.83E-04	No
	20-Oct-15	7.19E-03	5.03E-03	No	7.92E-05	1.79E-03	No
	27-Oct-15	2.26E-03	4.78E-03	No	2.19E-03	2.47E-03	No
	3-Nov-15	-1.17E-03	2.14E-03	No	2.76E-04	1.04E-03	No
	10-Nov-15	8.89E-04	2.41E-03	No	1.26E-03	1.45E-03	No
	17-Nov-15	2.23E-02	4.19E-03	Yes	4.32E-05	1.09E-03	No
	24-Nov-15	1.99E-03	2.60E-03	No	-8.81E-04	5.19E-04	No
	1-Dec-15	2.97E-03	2.72E-03	No	4.81E-05	1.08E-03	No
	8-Dec-15	1.41E-03	4.40E-03	No	3.24E-03	2.89E-03	No
	15-Dec-15	9.81E-03	5.13E-03	No	-1.11E-03	4.68E-04	No
	22-Dec-15	2.25E-03	4.32E-03	No	4.65E-04	1.60E-03	No
	29-Dec-15	4.00E-03	4.64E-03	No	3.70E-03	2.82E-03	No
K-Area Main Stack (148ft)	12-Jan-15	5.08E-02	9.67E-03	Yes	-1.98E-03	1.01E-03	No
	9-Mar-15	1.60E-02	6.66E-03	No	4.89E-03	4.02E-03	No
	11-May-15	3.65E-02	8.96E-03	Yes	-1.52E-03	7.84E-04	No
	13-Jul-15	3.32E-02	7.32E-03	Yes	2.32E-03	2.81E-03	No
	7-Sep-15	2.70E-02	8.63E-03	Yes	5.73E-03	4.60E-03	No
	2-Nov-15	5.35E-02	1.26E-02	Yes	6.95E-03	5.42E-03	No
KIS STACK	5-Jan-15	-5.43E-03	7.48E-03	No	3.05E-03	4.04E-03	No
	12-Jan-15	4.19E-03	7.45E-03	No	5.32E-04	3.19E-03	No
	19-Jan-15	9.57E-03	8.33E-03	No	4.08E-04	3.03E-03	No
	26-Jan-15	3.86E-03	7.44E-03	No	6.32E-03	5.18E-03	No
	2-Feb-15	7.92E-03	8.88E-03	No	3.16E-03	4.19E-03	No
	9-Feb-15	-4.73E-04	7.25E-03	No	3.16E-03	4.09E-03	No
	16-Feb-15	3.00E-03	7.70E-03	No	4.16E-04	3.07E-03	No
	23-Feb-15	-1.38E-03	7.83E-03	No	2.81E-04	3.03E-03	No
	2-Mar-15	5.86E-03	7.62E-03	No	5.32E-04	3.19E-03	No
	9-Mar-15	2.78E-02	9.74E-03	Yes	-2.39E-03	1.34E-03	No
	16-Mar-15	2.12E-02	9.13E-03	No	3.95E-03	4.36E-03	No
	23-Mar-15	7.97E-03	7.83E-03	No	1.07E-03	3.30E-03	No
	30-Mar-15	-3.86E-03	6.38E-03	No	1.06E-03	3.23E-03	No
	6-Apr-15	2.34E-03	8.05E-03	No	1.11E-03	3.06E-03	No
	13-Apr-15	-1.56E-03	7.42E-03	No	3.59E-03	4.07E-03	No
	20-Apr-15	-4.35E-03	7.29E-03	No	1.13E-03	3.06E-03	No
	27-Apr-15	2.24E-02	9.89E-03	No	1.08E-03	3.07E-03	No
	4-May-15	2.41E-02	1.25E-02	No	-2.40E-03	1.27E-03	No

Location	Sample Date	Gross Beta			Gross Alpha		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
KIS STACK	11-May-15	-5.89E-03	7.44E-03	No	6.97E-03	5.15E-03	No
	18-May-15	1.08E-02	8.84E-03	No	-2.07E-03	1.58E-03	No
	25-May-15	5.95E-03	9.00E-03	No	-2.21E-03	1.17E-03	No
	1-Jun-15	9.11E-03	1.10E-02	No	1.08E-03	4.02E-03	No
	8-Jun-15	4.51E-03	1.06E-02	No	4.81E-03	5.47E-03	No
	15-Jun-15	5.16E-03	8.06E-03	No	8.03E-04	2.97E-03	No
	22-Jun-15	8.38E-03	6.70E-03	No	5.38E-03	4.30E-03	No
	29-Jun-15	5.27E-03	1.01E-02	No	1.11E-03	4.49E-03	No
	6-Jul-15	4.89E-03	1.03E-02	No	2.32E-04	3.94E-03	No
	13-Jul-15	-5.70E-03	9.36E-03	No	4.70E-03	5.68E-03	No
	20-Jul-15	1.92E-02	1.01E-02	No	7.59E-04	3.50E-03	No
	27-Jul-15	-1.28E-03	7.27E-03	No	4.65E-03	4.20E-03	No
	3-Aug-15	8.43E-03	1.12E-02	No	-3.65E-03	1.74E-03	No
	10-Aug-15	1.72E-02	1.19E-02	No	-3.62E-03	1.71E-03	No
	17-Aug-15	7.14E-04	9.86E-03	No	2.40E-04	3.96E-03	No
	24-Aug-15	2.89E-03	9.93E-03	No	4.89E-03	5.82E-03	No
	31-Aug-15	1.20E-02	1.08E-02	No	1.08E-03	4.39E-03	No
	7-Sep-15	-5.92E-03	8.88E-03	No	1.10E-03	4.41E-03	No
	14-Sep-15	3.05E-03	1.10E-02	No	4.73E-03	5.32E-03	No
	21-Sep-15	1.87E-02	1.26E-02	No	4.76E-03	5.38E-03	No
	28-Sep-15	4.00E-03	1.02E-02	No	1.14E-03	4.34E-03	No
	5-Oct-15	1.52E-02	1.13E-02	No	1.08E-03	4.15E-03	No
	12-Oct-15	1.76E-02	1.16E-02	No	-2.70E-03	1.73E-03	No
	19-Oct-15	6.24E-03	1.08E-02	No	-3.43E-03	2.03E-03	No
	26-Oct-15	5.11E-03	1.11E-02	No	-2.78E-03	1.09E-03	No
	2-Nov-15	-1.05E-02	9.36E-03	No	-2.76E-03	1.09E-03	No
	9-Nov-15	-7.05E-04	9.59E-03	No	4.92E-03	5.69E-03	No
	16-Nov-15	-1.15E-02	9.13E-03	No	-3.92E-03	2.30E-03	No
	23-Nov-15	4.11E-03	1.07E-02	No	-3.49E-03	2.06E-03	No
	30-Nov-15	2.34E-02	1.25E-02	No	3.84E-03	5.57E-03	No
	7-Dec-15	1.28E-02	1.15E-02	No	-3.51E-03	2.06E-03	No
	14-Dec-15	1.62E-02	1.15E-02	No	4.70E-03	5.22E-03	No
	21-Dec-15	-3.11E-03	9.52E-03	No	-2.53E-03	1.07E-03	No
	28-Dec-15	1.07E-03	9.97E-03	No	1.09E-03	3.76E-03	No
	4-Jan-16	1.07E-03	9.93E-03	No	1.09E-03	3.74E-03	No
L-Area Disassembly	12-Jan-15	4.03E-01	6.20E-02	Yes	3.76E-02	2.51E-02	No
	13-Apr-15	2.01E-01	4.95E-02	Yes	5.49E-02	2.85E-02	No
	13-Jul-15	2.73E-01	5.25E-02	Yes	6.43E-02	3.07E-02	No
	12-Oct-15	1.04E-02	2.59E-03	Yes	3.70E-03	1.75E-03	No
L-Area Main Stack (148ft)	12-Jan-15	1.42E-02	1.44E-02	No	2.89E-02	1.26E-02	Yes

Location	Sample Date	Gross Beta			Gross Alpha		
		Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
L-Area Main Stack (148ft)	9-Mar-15	2.37E-02	1.30E-02	No	5.62E-03	7.06E-03	No
	11-May-15	2.40E-02	1.43E-02	No	1.12E-02	8.29E-03	No
	13-Jul-15	4.14E-02	1.52E-02	No	1.11E-03	5.15E-03	No
	14-Sep-15	2.78E-02	1.39E-02	No	-3.43E-03	2.20E-03	No
	9-Nov-15	2.78E-02	1.38E-02	No	1.02E-02	8.02E-03	No
Saltstone SDU-2	11-Feb-15	2.42E-02	6.33E-03	Yes	2.18E-04	1.65E-03	No
	19-May-15	2.37E-02	6.17E-03	Yes	5.59E-04	1.76E-03	No
	12-Aug-15	2.84E-02	6.90E-03	Yes	1.61E-03	2.30E-03	No
	18-Nov-15	3.81E-03	5.57E-03	No	5.70E-03	3.89E-03	No
Saltstone SDU-5	11-Feb-15	1.57E-02	4.70E-03	Yes	3.70E-03	2.41E-03	No
	19-May-15	2.65E-02	5.84E-03	Yes	3.27E-03	2.50E-03	No
	12-Aug-15	1.80E-02	5.03E-03	Yes	5.30E-05	1.33E-03	No
	18-Nov-15	3.43E-02	6.10E-03	Yes	5.95E-03	2.96E-03	No

Table 15 Radioactive Atmospheric Releases by Source

Units are in curies.

Radionuclide	Half-Life		Calculated ^(b)	Reactors	Separations ^(c)	SRNL ^(d)	Total	Percentage of Sum
Gases and Vapors								
H-3 (oxide)	12.35	y	2.08E+03	9.20E+02	1.36E+04		1.66E+04	
H-3 (elemental)	12.35	y			2.47E+03		2.47E+03	
H-3 Total	12.35	y	2.08E+03	9.20E+02	1.61E+04		1.91E+04	87.26%
C-14	5730	y	1.30E-06		1.37E-02		1.37E-02	0.00%
Kr-85	10.72	y			2.78E+03		2.78E+03	12.74%
I-129	1.57E+07	y	5.38E-05		1.87E-03	1.15E-06	1.93E-03	0.00%
Particles								
Ag-110m	249.9	d	1.48E-11				1.48E-11	0.00%
Am-241	432.2	y	1.12E-05	8.06E-11	2.07E-06		1.33E-05	0.00%
Am-243	7380	y	5.26E-09				5.26E-09	0.00%
Ce-141	32.501	d	4.94E-11				4.94E-11	0.00%
Ce-144	284.3	d	2.00E-08				2.00E-08	0.00%
Cm-242	162.8	d	1.89E-16				1.89E-16	0.00%
Cm-244	18.11	y	2.79E-07	0.00E+00	1.82E-08		2.97E-07	0.00%
Co-60	5.271	y	4.37E-07	0.00E+00	0.00E+00	0.00E+00	4.37E-07	0.00%
Cs-134	2.062	y	4.31E-07				4.31E-07	0.00%
Cs-137	30	y	1.16E-03	0.00E+00	1.42E-05	4.53E-07	1.18E-03	0.00%
Eu-152	13.33	y	5.01E-08				5.01E-08	0.00%
Eu-154	8.8	y	3.55E-07				3.55E-07	0.00%
Eu-155	4.96	y	1.18E-07				1.18E-07	0.00%
F-18	109.77	m	4.00E-02				4.00E-02	0.00%
Nb-94	2.03E+04	y	2.42E-07				2.42E-07	0.00%
Nb-95	35.15	d	3.63E-07				3.63E-07	0.00%
Ni-59	7.50E+04	y	5.76E-11				5.76E-11	0.00%
Ni-63	96	y	5.62E-09				5.62E-09	0.00%
Np-237	2.14E+06	y	1.61E-06	0.00E+00	0.00E+00		1.61E-06	0.00%
Pa-233	27	d	1.42E-06				1.42E-06	0.00%
Pb-212	10.64	h	8.43E-07				8.43E-07	0.00%
Pm-147	2.6234	y	2.89E-06				2.89E-06	0.00%
Pm-148m	41.3	d	1.90E-12				1.90E-12	0.00%
Pr-144	17.28	m	2.00E-08				2.00E-08	0.00%
Pu-236	2.851	y	5.75E-10				5.75E-10	0.00%
Pu-238	87.74	y	3.15E-05	4.08E-09	4.06E-06		3.55E-05	0.00%
Pu-239	2.41E+04	y	4.32E-05	1.07E-10	3.94E-06		4.72E-05	0.00%
Pu-240	6537	y	7.73E-06				7.73E-06	0.00%
Pu-241	14.4	y	2.07E-04				2.07E-04	0.00%

Table 15 Radioactive Atmospheric Releases by Source (continued)

Radionuclide	Half-Life		Calculated ^(b)	Reactors	Separations ^(c)	SRNL ^(d)	Total	Percentage of Sum
Particles (continued)								
Pu-242	3.76E+05	y	1.78E-08				1.78E-08	0.00%
Ra-226	1600	y	2.76E-07				2.76E-07	0.00%
Ra-228	5.75	y	2.62E-07				2.62E-07	0.00%
Rh-106	29.9	s	1.19E-08				1.19E-08	0.00%
Ru-103	39.28	d	5.11E-10				5.11E-10	0.00%
Ru-106	368.2	d	3.04E-06				3.04E-06	0.00%
Sb-125	2.77	y	1.18E-06				1.18E-06	0.00%
Sb-126	12.4	d	1.70E-07				1.70E-07	0.00%
Se-79	6.50E+04	y	4.90E-09				4.90E-09	0.00%
Sm-151	90	y	2.89E-06				2.89E-06	0.00%
Sn-123	129.2	d	6.66E-12				6.66E-12	0.00%
Sn-126	1.00E+05	y	1.70E-07				1.70E-07	0.00%
Sr-89	50.5	d	6.02E-10				6.02E-10	0.00%
Sr-90	29.12	y	3.32E-05	2.26E-09	1.12E-05		4.44E-05	0.00%
Tc-99	2.13E+05	y	3.87E-07				3.87E-07	0.00%
Te-127	9.35	h	1.04E-11				1.04E-11	0.00%
Te-129	69.6		1.05E-12				1.05E-12	0.00%
Th-228	1.9131	y	7.26E-10	1.38E-10			8.64E-10	0.00%
Th-229	7340	y	1.56E-09				1.56E-09	0.00%
Th-230	7.70E+04	y	1.55E-10	9.20E-09			9.36E-09	0.00%
Th-231	25.52	h	2.12E-04				2.12E-04	0.00%
Th-232	1.41E+10	y	1.07E-11	2.42E-09			2.43E-09	0.00%
Tl-208	3.07	m	1.41E-06				1.41E-06	0.00%
U-232	72	y	6.56E-09				6.56E-09	0.00%
U-233	1.59E+05	y	5.78E-09				5.78E-09	0.00%
U-234	2.45E+05	y	6.08E-07	1.50E-09	6.41E-06		7.02E-06	0.00%
U-235	7.04E+08	y	6.99E-09	0.00E+00	8.19E-07		8.26E-07	0.00%
U-236	2.34E+07	y	3.01E-08				3.01E-08	0.00%
U-238	4.47E+09	y	2.10E-07	1.66E-09	8.48E-06		8.69E-06	0.00%
Y-90	64	h	3.32E-05	2.26E-09	1.12E-05		4.44E-05	0.00%
Y-91	58.51	d	7.98E-10				7.98E-10	0.00%
Zr-95	63.98	d	1.22E-07				1.22E-07	0.00%
Unidentified alpha	N/A		1.79E-05	1.27E-05	2.09E-07	0.00E+00	3.08E-05	0.00%
Unidentified beta	N/A		1.43E-03	3.57E-05	6.31E-04	2.55E-06	2.09E-03	0.00%
						Sum	2.18E+04	100.00%

Notes: a) One curie equals 3.7E+10 becquerels; b) Estimated releases from unmonitored sources; c) Includes separations, waste management, and tritium facilities; and d) Savannah River National Laboratory

Table 16 Comparison of Annual Average Air Effluent Radionuclide Concentrations to DOE Derived Concentration Standards

Stack/Facility	Radionuclide	Average Effluent Concentration (μCi/mL)	DOE DCSs* (μCi/mL)	Fraction of DOE DCS
A-Area				
791-A Sandfilter Discharge	I-129	4.69E-15	3.80E-11	1.23E-04
791-A Sandfilter Discharge	Cs-137	-1.71E-16	9.80E-11	NA
			Sum of Fractions	1.23E-04
C-Area				
C-Area Main Stack (148')	H-3 (oxide)	3.70E-07	2.10E-07	1.76E+00
			Sum of Fractions	1.76E+00
F-Area				
235-F Sandfilter Discharge	U-234	3.34E-17	4.00E-13	8.35E-05
235-F Sandfilter Discharge	U-235	6.85E-18	4.50E-13	1.52E-05
235-F Sandfilter Discharge	U-238	2.82E-17	4.70E-13	6.00E-05
235-F Sandfilter Discharge	Pu-238	1.03E-17	3.70E-14	2.78E-04
235-F Sandfilter Discharge	Am-241	2.35E-17	4.10E-14	5.73E-04
			Sum of Fractions	1.01E-03
291-F Stack Isokinetic	Sr-89/90	1.10E-15	2.50E-11	4.40E-05
291-F Stack Isokinetic	I-129	1.04E-13	3.80E-11	2.74E-03
291-F Stack Isokinetic	U-234	6.31E-16	4.00E-13	1.58E-03
291-F Stack Isokinetic	U-235	6.22E-17	4.50E-13	1.38E-04
291-F Stack Isokinetic	U-238	1.50E-15	4.70E-13	3.19E-03
291-F Stack Isokinetic	Pu-238	3.21E-16	3.70E-14	8.68E-03
291-F Stack Isokinetic	Pu-239	1.27E-15	3.40E-14	3.74E-02
291-F Stack Isokinetic	Am-241	1.31E-16	4.10E-14	3.20E-03
291-F Stack Isokinetic	Cm-244	2.31E-17	6.90E-14	3.35E-04
			Sum of Fractions	5.60E-02
772-4F Stack	U-234	4.18E-17	4.00E-13	1.05E-04
772-4F Stack	U-238	3.89E-17	4.70E-13	8.28E-05
772-4F Stack	Pu-238	3.32E-17	3.70E-14	8.97E-04
772-4F Stack	Pu-239	6.63E-18	3.40E-14	1.95E-04
772-4F Stack	Am-241	2.63E-17	4.10E-14	6.41E-04
			Sum of Fractions	1.92E-03

Table 16 Comparison of Annual Average Air Effluent Radionuclide Concentrations to DOE Derived Concentration Standards (continued)

Stack/Facility	Radionuclide	Average Effluent Concentration (μCi/mL)	DOE DCSs* (μCi/mL)	Fraction of DOE DCS
H-Area				
291-H Stack Isokinetic	Sr-89/90	2.84E-15	2.50E-11	1.14E-04
291-H Stack Isokinetic	I-129	4.20E-13	3.80E-11	1.11E-02
291-H Stack Isokinetic	Cs-137	4.07E-15	9.80E-11	4.15E-05
291-H Stack Isokinetic	U-234	7.09E-17	4.00E-13	1.77E-04
291-H Stack Isokinetic	U-238	5.35E-17	4.70E-13	1.14E-04
291-H Stack Isokinetic	Pu-238	7.05E-16	3.70E-14	1.91E-02
291-H Stack Isokinetic	Pu-239	3.89E-16	3.40E-14	1.14E-02
291-H Stack Isokinetic	Am-241	1.05E-16	4.10E-14	2.56E-03
291-H Stack Isokinetic	C-14	3.46E-12	6.60E-10	5.24E-03
291-H Stack Isokinetic	Kr-85	7.02E-07	3.60E-06	1.95E-01
291-H Stack Isokinetic	H-3 (oxide)	7.83E-09	2.10E-07	3.73E-02
			Sum of Fractions	2.82E-01
K-Area				
K-Area Main Stack (148')	H-3 (oxide)	3.56E-07	2.10E-07	1.70E+00
			Sum of Fractions	1.70E+00
KIS Facility	Sr-89/90	6.41E-16	2.50E-11	2.56E-05
KIS Facility	Th-228	8.83E-17	9.40E-14	9.39E-04
KIS Facility	Th-230	4.09E-16	2.80E-13	1.46E-03
KIS Facility	Th-232	1.17E-16	1.60E-13	7.31E-04
KIS Facility	U-234	1.04E-16	4.00E-13	2.60E-04
KIS Facility	U-238	1.01E-16	4.70E-13	2.15E-04
KIS Facility	Pu-238	1.96E-16	3.70E-14	5.30E-03
KIS Facility	Pu-239	2.34E-17	3.40E-14	6.88E-04
KIS Facility	Am-241	1.05E-17	4.10E-14	2.56E-04
			Sum of Fractions	9.87E-03
L-Area				
L-Area Disassembly	H-3 (oxide)	3.60E-07	2.10E-07	1.72E+00
			Sum of Fractions	1.72E+00
L-Area Main Stack (148')	H-3 (oxide)	3.77E-07	2.10E-07	1.79E+00
			Sum of Fractions	1.79E+00

Table 16 Comparison of Annual Average Air Effluent Radionuclide Concentrations to DOE Derived Concentration Standards (continued)

Stack/Facility	Radionuclide	Average Effluent Concentration (μCi/mL)	DOE DCSs* (μCi/mL)	Fraction of DOE DCS
<i>Tritium</i> 232-H (200ft)	H-3 (elemental)	9.76E-07	2.10E-03	4.65E-04
	H-3 (oxide)	5.26E-06	2.10E-07	2.51E+01
			Sum of Fractions	2.51E+01
233-H	H-3 (elemental)	7.67E-07	2.10E-03	3.65E-04
	H-3 (oxide)	3.76E-07	2.10E-07	1.79E+00
			Sum of Fractions	1.79E+00
234-H	H-3 (elemental)	4.79E-07	2.10E-03	2.28E-04
	H-3 (oxide)	3.67E-06	2.10E-07	1.75E+01
			Sum of Fractions	1.75E+01
238-H	H-3 (oxide)	4.63E-06	2.10E-07	2.21E+01
			Sum of Fractions	2.21E+01
264-H	H-3 (elemental)	1.40E-07	2.10E-03	6.68E-05
	H-3 (oxide)	7.80E-07	2.10E-07	3.71E+00
			Sum of Fractions	3.71E+00

NOTE: *DOE-STD-1196-20011, Derived Concentration Technical Standard

Table 17 Tritium in Environmental Air

All samples are collected on Silica Gel.

Onsite Location: Burial Ground North

Sample Date	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
21-Jan-15	7.95E+01	4.05E+00	Yes
4-Feb-15	8.97E+01	4.05E+00	Yes
18-Feb-15	8.30E+01	3.94E+00	Yes
4-Mar-15	7.97E+01	4.15E+00	Yes
18-Mar-15	9.43E+01	5.03E+00	Yes
15-Apr-15	8.08E+01	4.92E+00	Yes
13-May-15	2.31E+02	7.30E+00	Yes
27-May-15	1.84E+02	6.75E+00	Yes
10-Jun-15	1.76E+02	7.34E+00	Yes
24-Jun-15	5.65E+01	4.89E+00	Yes
8-Jul-15	2.59E+01	4.50E+00	Yes
22-Jul-15	1.07E+02	6.45E+00	Yes
5-Aug-15	1.89E+02	8.72E+00	Yes
19-Aug-15	2.66E+02	9.00E+00	Yes
2-Sep-15	2.41E+02	9.09E+00	Yes
23-Sep-15	2.56E+02	7.60E+00	Yes
14-Oct-15	2.11E+02	8.06E+00	Yes
28-Oct-15	4.24E+02	1.03E+01	Yes
11-Nov-15	8.27E+01	6.35E+00	Yes
24-Nov-15	2.39E+02	8.04E+00	Yes
9-Dec-15	3.38E+02	8.53E+00	Yes
22-Dec-15	2.46E+02	8.01E+00	Yes
6-Jan-16	9.51E+01	6.26E+00	Yes

Table 17 Tritium in Environmental Air (continued)

Site Perimeter: Allendale Gate

Sample Date	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
21-Jan-15	3.81E+00	1.76E+00	No
4-Feb-15	3.78E+00	1.61E+00	No
18-Feb-15	3.73E+00	1.61E+00	No
4-Mar-15	2.38E+00	2.28E+00	No
18-Mar-15	1.41E+01	2.73E+00	Yes
31-Mar-15	-3.95E+00	2.80E+00	No
15-Apr-15	7.46E-06	2.86E+00	No
29-Apr-15	-3.65E-01	4.03E+00	No
13-May-15	6.22E+00	3.05E+00	No
27-May-15	4.54E+00	2.91E+00	No
10-Jun-15	4.89E+00	4.12E+00	No
24-Jun-15	3.73E+00	4.37E+00	No
8-Jul-15	1.13E+00	3.94E+00	No
22-Jul-15	-1.57E-01	3.72E+00	No
5-Aug-15	-8.81E+00	4.61E+00	No
19-Aug-15	1.84E+00	4.59E+00	No
2-Sep-15	-5.57E-02	4.00E+00	No
23-Sep-15	1.64E+00	2.65E+00	No
14-Oct-15	8.30E+00	3.64E+00	No
28-Oct-15	1.74E+01	3.49E+00	No
11-Nov-15	3.51E+00	3.38E+00	No
24-Nov-15	-3.81E+00	2.76E+00	No
9-Dec-15	-1.10E+00	2.13E+00	No
22-Dec-15	6.54E+00	3.39E+00	No
6-Jan-16	1.28E+00	1.89E+00	No

Table 17 Tritium in Environmental Air (continued)**Site Perimeter: Barnwell Gate**

Sample Date	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
21-Jan-15	1.38E+01	2.23E+00	Yes
4-Feb-15	5.78E+00	1.81E+00	Yes
18-Feb-15	3.03E+00	1.75E+00	No
4-Mar-15	3.27E+00	2.38E+00	No
18-Mar-15	1.23E+01	2.87E+00	Yes
31-Mar-15	2.92E+00	2.85E+00	No
15-Apr-15	2.95E+00	3.16E+00	No
29-Apr-15	1.86E+00	3.31E+00	No
13-May-15	8.03E+00	2.87E+00	Yes
27-May-15	7.08E+00	3.00E+00	No
10-Jun-15	2.78E+00	1.48E+00	No
24-Jun-15	-1.84E+00	3.27E+00	No
8-Jul-15	9.11E+00	3.70E+00	No
22-Jul-15	1.49E-01	3.52E+00	No
5-Aug-15	-2.89E+00	4.32E+00	No
19-Aug-15	3.92E+00	4.10E+00	No
2-Sep-15	-2.86E+00	4.27E+00	No
23-Sep-15	3.70E+00	3.16E+00	No
14-Oct-15	3.19E+00	3.53E+00	No
28-Oct-15	2.30E-01	3.07E+00	No
11-Nov-15	1.04E+00	3.36E+00	No
24-Nov-15	-6.70E-01	2.89E+00	No
9-Dec-15	2.01E+00	1.89E+00	No
22-Dec-15	8.43E+00	3.30E+00	No
6-Jan-16	-4.97E-01	3.43E+00	No

Table 17 Tritium in Environmental Air (continued)

Site Perimeter: D-Area

Sample Date	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
21-Jan-15	1.16E+01	1.98E+00	Yes
4-Feb-15	8.22E+00	2.15E+00	Yes
18-Feb-15	6.46E+00	1.60E+00	Yes
4-Mar-15	1.71E+01	2.70E+00	Yes
18-Mar-15	1.56E+01	3.06E+00	Yes
31-Mar-15	6.54E+00	3.16E+00	No
15-Apr-15	-2.47E+00	2.47E+00	No
29-Apr-15	7.84E+00	3.73E+00	No
13-May-15	1.07E+01	2.64E+00	Yes
27-May-15	4.65E+00	2.91E+00	No
10-Jun-15	6.11E+00	3.46E+00	No
24-Jun-15	-5.27E-01	4.37E+00	No
8-Jul-15	5.76E+00	3.60E+00	No
22-Jul-15	-3.78E+00	3.13E+00	No
5-Aug-15	2.49E+00	3.87E+00	No
19-Aug-15	5.05E+00	3.05E+00	No
2-Sep-15	5.32E+00	3.66E+00	No
23-Sep-15	3.54E+01	3.12E+00	Yes
14-Oct-15	8.95E+00	2.73E+00	Yes
28-Oct-15	6.41E+00	3.05E+00	No
11-Nov-15	8.27E+00	4.91E+00	No
24-Nov-15	4.76E+00	4.75E+00	No
9-Dec-15	9.51E+00	2.34E+00	Yes
22-Dec-15	4.24E+00	2.58E+00	No
6-Jan-16	3.86E+00	3.65E+00	No

Table 17 Tritium in Environmental Air (continued)

Site Perimeter: Darkhorse @ Williston Gate

Sample Date	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
21-Jan-15	1.38E+01	2.26E+00	Yes
4-Feb-15	2.81E+00	9.59E-01	Yes
18-Feb-15	6.81E+00	1.98E+00	Yes
4-Mar-15	2.73E+00	2.22E+00	No
18-Mar-15	7.30E+00	2.44E+00	Yes
31-Mar-15	2.43E+00	2.58E+00	No
15-Apr-15	1.62E+00	3.11E+00	No
29-Apr-15	1.21E+00	2.81E+00	No
13-May-15	7.57E+00	3.13E+00	No
27-May-15	6.08E+00	3.17E+00	No
10-Jun-15	2.89E+00	3.71E+00	No
24-Jun-15	5.54E+00	4.44E+00	No
8-Jul-15	1.01E+01	4.14E+00	No
22-Jul-15	1.16E+00	2.89E+00	No
5-Aug-15	1.77E-01	4.32E+00	No
19-Aug-15	6.19E+00	4.16E+00	No
2-Sep-15	-2.89E+00	3.19E+00	No
23-Sep-15	3.57E+00	2.49E+00	No
14-Oct-15	2.78E+00	3.20E+00	No
28-Oct-15	1.85E+00	2.63E+00	No
11-Nov-15	-1.16E+00	2.82E+00	No
24-Nov-15	1.19E-01	2.76E+00	No
9-Dec-15	3.68E+00	2.42E+00	No
22-Dec-15	5.22E+00	2.76E+00	No
6-Jan-16	6.19E+00	2.73E+00	No

Table 17 Tritium in Environmental Air (continued)

Site Perimeter: East Talatha

Sample Date	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
21-Jan-15	1.01E+01	2.07E+00	Yes
4-Feb-15	1.81E+00	1.70E+00	No
18-Feb-15	7.62E+00	1.96E+00	Yes
4-Mar-15	7.57E+00	2.34E+00	Yes
18-Mar-15	1.18E+01	2.48E+00	Yes
31-Mar-15	4.38E+00	2.66E+00	No
15-Apr-15	5.35E+00	3.27E+00	No
29-Apr-15	5.43E+00	2.61E+00	No
13-May-15	3.43E+00	3.02E+00	No
27-May-15	5.05E+00	2.95E+00	No
10-Jun-15	7.70E+00	3.75E+00	No
24-Jun-15	-5.05E+00	4.23E+00	No
8-Jul-15	2.64E+00	3.70E+00	No
22-Jul-15	2.18E+00	2.90E+00	No
5-Aug-15	-9.59E-01	3.87E+00	No
19-Aug-15	2.89E+00	4.24E+00	No
2-Sep-15	-3.57E+00	4.00E+00	No
23-Sep-15	3.19E-01	3.17E+00	No
14-Oct-15	1.51E+00	3.51E+00	No
28-Oct-15	1.69E+01	3.72E+00	Yes
11-Nov-15	6.76E-01	4.20E+00	No
24-Nov-15	2.23E-01	3.09E+00	No
9-Dec-15	-6.16E-01	2.14E+00	No
22-Dec-15	3.46E+00	2.13E+00	No
6-Jan-16	1.72E+01	3.80E+00	Yes

Table 17 Tritium in Environmental Air (continued)

Site Perimeter: Green Pond

Sample Date	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
21-Jan-15	2.14E+01	2.48E+00	Yes
4-Feb-15	6.97E+00	1.82E+00	Yes
18-Feb-15	5.89E+00	1.97E+00	Yes
4-Mar-15	2.92E+00	2.13E+00	No
18-Mar-15	3.97E+00	2.29E+00	No
31-Mar-15	2.84E+00	2.67E+00	No
15-Apr-15	-8.97E-01	3.24E+00	No
29-Apr-15	4.81E+00	3.03E+00	No
13-May-15	5.86E+00	3.09E+00	No
27-May-15	5.35E+00	3.29E+00	No
10-Jun-15	3.43E+00	3.94E+00	No
24-Jun-15	5.03E-01	3.83E+00	No
8-Jul-15	5.19E+00	3.85E+00	No
22-Jul-15	-3.30E-01	3.33E+00	No
5-Aug-15	-6.49E-01	1.56E+00	No
19-Aug-15	8.89E+00	3.73E+00	No
2-Sep-15	1.24E+00	1.76E+00	No
23-Sep-15	2.47E+00	3.32E+00	No
14-Oct-15	6.05E+00	3.27E+00	No
28-Oct-15	1.15E+00	2.44E+00	No
11-Nov-15	1.97E+00	3.38E+00	No
24-Nov-15	-6.08E-01	2.99E+00	No
9-Dec-15	6.62E+00	2.51E+00	No
22-Dec-15	6.43E+00	3.00E+00	No
6-Jan-16	6.65E+00	3.41E+00	No

Table 17 Tritium in Environmental Air (continued)

Site Perimeter: Highway 21/167

Sample Date	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
21-Jan-15	1.45E+01	2.28E+00	Yes
4-Feb-15	2.10E+00	1.73E+00	No
18-Feb-15	5.16E+00	1.92E+00	Yes
4-Mar-15	6.65E+00	2.37E+00	Yes
18-Mar-15	4.43E+00	2.20E+00	No
31-Mar-15	1.91E+00	2.83E+00	No
15-Apr-15	2.17E+00	3.03E+00	No
29-Apr-15	2.68E+00	2.85E+00	No
13-May-15	4.19E+00	2.94E+00	No
27-May-15	7.08E-01	2.83E+00	No
10-Jun-15	6.11E+00	3.91E+00	No
24-Jun-15	-5.05E-01	3.48E+00	No
8-Jul-15	2.32E+00	4.07E+00	No
22-Jul-15	-5.27E+00	3.38E+00	No
5-Aug-15	2.57E+00	4.37E+00	No
19-Aug-15	1.34E+00	3.87E+00	No
2-Sep-15	3.00E+00	4.80E+00	No
23-Sep-15	-7.41E-01	3.00E+00	No
14-Oct-15	3.19E+00	3.89E+00	No
28-Oct-15	-1.18E+00	2.99E+00	No
11-Nov-15	-5.03E+00	4.32E+00	No
24-Nov-15	3.73E-01	3.23E+00	No
9-Dec-15	4.84E+00	2.76E+00	No
22-Dec-15	5.51E+00	2.82E+00	No
6-Jan-16	5.22E+00	3.16E+00	No

Table 17 Tritium in Environmental Air (continued)

Site Perimeter: Jackson

Sample Date	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
21-Jan-15	9.14E+00	2.05E+00	Yes
4-Feb-15	6.16E+00	1.81E+00	Yes
18-Feb-15	5.84E+00	1.84E+00	Yes
4-Mar-15	4.22E+00	2.50E+00	No
18-Mar-15	9.68E+00	2.53E+00	Yes
31-Mar-15	5.59E+00	3.21E+00	No
15-Apr-15	-4.19E+00	3.08E+00	No
29-Apr-15	1.78E+00	2.81E+00	No
13-May-15	6.70E+00	3.45E+00	No
27-May-15	4.92E+00	3.62E+00	No
10-Jun-15	1.08E+01	4.60E+00	No
24-Jun-15	-3.46E+00	3.70E+00	No
8-Jul-15	4.49E+00	3.98E+00	No
22-Jul-15	-5.92E+00	2.82E+00	No
5-Aug-15	-2.76E+00	4.47E+00	No
19-Aug-15	4.68E+00	5.03E+00	No
2-Sep-15	-6.68E-01	3.95E+00	No
23-Sep-15	-2.18E-01	2.53E+00	No
14-Oct-15	3.11E+00	3.39E+00	No
28-Oct-15	4.49E+00	3.23E+00	No
11-Nov-15	-8.22E-01	3.35E+00	No
24-Nov-15	-3.57E+00	3.16E+00	No
9-Dec-15	5.81E+00	2.66E+00	No
22-Dec-15	8.62E+00	2.90E+00	Yes
6-Jan-16	1.26E+01	3.35E+00	Yes

Table 17 Tritium in Environmental Air (continued)

Site Perimeter: Patterson Mill Road

Sample Date	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
21-Jan-15	1.41E+01	2.01E+00	Yes
4-Feb-15	2.76E+00	2.03E+00	No
18-Feb-15	4.14E+00	1.80E+00	No
4-Mar-15	1.39E+00	2.34E+00	No
18-Mar-15	4.27E+00	2.28E+00	No
31-Mar-15	-3.19E+00	2.76E+00	No
15-Apr-15	-6.19E-01	3.29E+00	No
29-Apr-15	1.47E+00	3.11E+00	No
13-May-15	5.49E+00	3.00E+00	No
27-May-15	-1.12E+00	3.06E+00	No
10-Jun-15	5.32E+00	4.20E+00	No
24-Jun-15	-2.73E+00	3.47E+00	No
8-Jul-15	6.49E+00	4.23E+00	No
22-Jul-15	-4.89E+00	3.03E+00	No
5-Aug-15	1.17E-05	4.77E+00	No
19-Aug-15	-1.09E+00	3.52E+00	No
2-Sep-15	-4.49E-02	3.22E+00	No
23-Sep-15	1.72E-01	2.39E+00	No
14-Oct-15	6.84E+00	3.68E+00	No
28-Oct-15	-5.27E-01	3.17E+00	No
11-Nov-15	-7.84E-01	3.60E+00	No
24-Nov-15	-1.44E+00	2.89E+00	No
9-Dec-15	1.99E+00	2.45E+00	No
22-Dec-15	1.39E-01	2.94E+00	No
6-Jan-16	1.17E+01	4.14E+00	Yes

Table 17 Tritium in Environmental Air (continued)

Site Perimeter: Talatha Gate

Sample Date	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
21-Jan-15	1.21E+01	2.04E+00	Yes
4-Feb-15	1.81E+01	2.11E+00	Yes
18-Feb-15	5.41E+00	1.56E+00	Yes
4-Mar-15	1.09E+01	9.13E+00	No
18-Mar-15	5.81E+00	2.22E+00	No
31-Mar-15	3.35E+00	2.64E+00	No
15-Apr-15	6.30E+00	3.11E+00	No
29-Apr-15	4.73E+00	2.67E+00	No
13-May-15	3.97E+00	2.61E+00	No
27-May-15	1.14E+01	2.74E+00	Yes
10-Jun-15	3.78E+00	3.38E+00	No
24-Jun-15	3.00E+00	3.36E+00	No
8-Jul-15	1.46E+00	3.74E+00	No
22-Jul-15	4.00E-01	3.17E+00	No
5-Aug-15	2.44E+00	4.05E+00	No
19-Aug-15	1.50E+01	4.08E+00	Yes
2-Sep-15	3.24E+00	4.27E+00	No
23-Sep-15	-9.16E-02	2.12E+00	No
14-Oct-15	7.51E+00	3.72E+00	No
28-Oct-15	-6.78E-01	2.99E+00	No
11-Nov-15	1.86E+00	3.69E+00	No
24-Nov-15	1.01E+01	3.16E+00	Yes
9-Dec-15	8.68E-01	2.53E+00	No
22-Dec-15	3.65E+00	2.82E+00	No
6-Jan-16	7.97E+00	3.35E+00	No

Table 17 Tritium in Environmental Air (continued)

25-Mile Radius: Aiken Airport

Sample Date	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
22-Jan-15	5.43E+00	1.56E+00	Yes
5-Feb-15	4.05E+00	1.98E+00	No
19-Feb-15	4.24E+00	1.91E+00	No
5-Mar-15	-4.46E+00	2.65E+00	No
19-Mar-15	9.46E+00	2.95E+00	Yes
1-Apr-15	1.42E+00	3.00E+00	No
16-Apr-15	-3.41E+00	3.31E+00	No
30-Apr-15	8.14E-01	2.87E+00	No
14-May-15	6.03E+00	3.19E+00	No
28-May-15	4.46E+00	3.31E+00	No
11-Jun-15	2.52E+00	4.21E+00	No
25-Jun-15	3.14E-01	4.34E+00	No
9-Jul-15	2.92E+00	4.34E+00	No
20-Jul-15	8.81E-01	3.15E+00	No
6-Aug-15	-6.19E-01	5.01E+00	No
20-Aug-15	4.19E+00	4.66E+00	No
3-Sep-15	4.95E-01	4.45E+00	No
24-Sep-15	-3.62E-01	2.78E+00	No
15-Oct-15	6.00E+00	3.74E+00	No
29-Oct-15	1.28E+00	3.09E+00	No
12-Nov-15	9.49E-01	4.16E+00	No
23-Nov-15	-3.92E+00	3.32E+00	No
10-Dec-15	1.99E+00	2.70E+00	No
21-Dec-15	4.89E+00	3.58E+00	No
7-Jan-16	3.62E+00	2.72E+00	No

Table 17 Tritium in Environmental Air (continued)

25-Mile Radius: Augusta Lock and Dam 614

Sample Date	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
5-Feb-15	3.70E+00	1.60E+00	No
19-Feb-15	3.54E+00	1.59E+00	No
5-Mar-15	3.78E+00	2.13E+00	No
19-Mar-15	1.31E+01	2.77E+00	Yes
1-Apr-15	-8.19E-01	2.83E+00	No
16-Apr-15	1.32E+00	3.21E+00	No
30-Apr-15	1.16E+00	3.25E+00	No
14-May-15	3.51E-01	2.74E+00	No
28-May-15	8.59E-06	3.02E+00	No
11-Jun-15	2.50E+00	3.98E+00	No
25-Jun-15	1.64E+00	4.18E+00	No
9-Jul-15	3.38E+00	4.08E+00	No
23-Jul-15	-1.69E+00	3.80E+00	No
6-Aug-15	-5.43E+00	3.61E+00	No
20-Aug-15	1.88E-01	3.24E+00	No
3-Sep-15	-2.33E+00	3.25E+00	No
24-Sep-15	-1.04E-01	2.40E+00	No
15-Oct-15	5.05E+00	3.58E+00	No
29-Oct-15	7.38E+00	3.16E+00	No
12-Nov-15	-2.54E+00	3.60E+00	No
23-Nov-15	-7.24E-01	3.12E+00	No
10-Dec-15	1.11E+01	2.62E+00	Yes
21-Dec-15	4.95E+00	3.24E+00	No
7-Jan-16	1.34E+00	2.78E+00	No

Table 17 Tritium in Environmental Air (continued)

25-Mile Radius: Highway 301 @ State Line (control location)

Sample Date	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
22-Jan-15	4.27E+00	2.13E+00	No
5-Feb-15	6.11E+00	2.00E+00	Yes
19-Feb-15	4.27E+00	2.04E+00	No
5-Mar-15	3.30E+00	2.54E+00	No
19-Mar-15	9.22E+00	2.70E+00	Yes
1-Apr-15	1.77E+01	3.55E+00	Yes
16-Apr-15	-3.59E+00	3.02E+00	No
30-Apr-15	4.86E+00	3.29E+00	No
14-May-15	8.35E+00	3.05E+00	Yes
28-May-15	-3.00E-01	2.70E+00	No
11-Jun-15	2.53E+00	3.70E+00	No
25-Jun-15	2.89E+00	3.93E+00	No
9-Jul-15	1.52E+00	3.62E+00	No
23-Jul-15	-3.49E+00	3.52E+00	No
6-Aug-15	-1.51E+00	4.55E+00	No
20-Aug-15	5.68E+00	4.10E+00	No
3-Sep-15	-1.48E+00	3.87E+00	No
24-Sep-15	1.66E+00	2.95E+00	No
15-Oct-15	7.57E+00	3.83E+00	No
29-Oct-15	-6.95E-01	3.06E+00	No
12-Nov-15	5.92E+00	4.53E+00	No
23-Nov-15	6.19E+00	3.40E+00	No
10-Dec-15	4.65E+00	2.83E+00	No
21-Dec-15	5.11E-01	3.60E+00	No
7-Jan-16	3.97E-01	3.45E+00	No
23-Jan-14	-2.89E+00	2.69E+00	No
6-Feb-14	5.14E+00	2.53E+00	No
20-Feb-14	1.07E+01	4.07E+00	No
6-Mar-14	-7.16E-01	3.45E+00	No
20-Mar-14	4.65E+00	3.76E+00	No
3-Apr-14	5.22E+00	3.68E+00	No
15-Apr-14	7.41E-01	4.47E+00	No
1-May-14	2.50E+00	3.38E+00	No
15-May-14	4.00E+00	3.81E+00	No
29-May-14	4.43E+00	3.27E+00	No
12-Jun-14	7.62E+00	2.80E+00	Yes
26-Jun-14	-3.35E-01	4.05E+00	No

Table 17 Tritium in Environmental Air (continued)

25-Mile Radius: Highway 301 @ State Line (control location) (continued)

Sample Date	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
10-Jul-14	2.78E+00	4.07E+00	No
24-Jul-14	5.92E+00	4.55E+00	No
7-Aug-14	2.53E+00	3.40E+00	No
21-Aug-14	-1.85E+00	4.39E+00	No
4-Sep-14	5.54E+00	3.42E+00	No
18-Sep-14	-3.62E+00	4.47E+00	No
2-Oct-14	1.87E+00	3.96E+00	No
16-Oct-14	-2.86E+00	3.45E+00	No
30-Oct-14	-4.27E-01	2.67E+00	No
13-Nov-14	3.22E+00	3.05E+00	No
24-Nov-14	1.42E+01	3.38E+00	Yes
11-Dec-14	1.35E+01	3.22E+00	Yes
22-Dec-14	-1.52E-01	2.72E+00	No
8-Jan-15	1.04E+01	2.28E+00	Yes

Table 18 Radioactivity in Rain Ion Columns

Onsite: Burial Ground North

Sample Date	Co-60			Cs-137		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	5.86E+00	7.73E+00	No	1.32E+00	9.48E+00	No
4-Mar-15	1.31E+01	8.96E+00	No	-1.10E+00	9.00E+00	No
31-Mar-15	-2.97E+00	8.80E+00	No	8.78E+00	1.10E+01	No
29-Apr-15	1.04E+00	8.55E+00	No	-1.13E+01	9.13E+00	No
27-May-15	-9.54E+00	8.19E+00	No	6.59E+00	1.07E+01	No
24-Jun-15	-7.62E+00	9.78E+00	No	-1.55E+01	1.02E+01	No
22-Jul-15	-4.41E+00	8.72E+00	No	7.51E+00	9.17E+00	No
19-Aug-15	-1.65E+01	8.06E+00	No	1.38E+01	1.00E+01	No
23-Sep-15	-9.73E+00	9.56E+00	No	-1.70E+00	9.56E+00	No
14-Oct-15	2.65E+00	7.87E+00	No	-1.52E+00	9.89E+00	No
6-Jan-16	-6.59E+00	8.10E+00	No	1.89E+01	9.36E+00	No

Sample Date	Sr-89/90			U-234		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	3.00E+00	1.85E+00	No	3.76E-02	2.41E-02	No
4-Mar-15	2.55E+00	1.87E+00	No	4.92E-02	2.52E-02	No
31-Mar-15	1.66E+00	8.92E-01	No	5.22E-02	4.32E-02	No
29-Apr-15	1.93E+00	1.29E+00	No	1.01E-01	3.80E-02	Yes
27-May-15	-1.77E+00	1.20E+00	No	2.84E-02	2.29E-02	No
24-Jun-15	5.14E+00	1.76E+00	Yes	5.54E-02	3.24E-02	No
22-Jul-15	3.95E+00	1.72E+00	No	8.57E-02	3.11E-02	Yes
19-Aug-15	6.08E+00	1.77E+00	Yes	7.14E-03	1.89E-02	No
23-Sep-15	2.95E+00	1.53E+00	No	1.17E-01	4.26E-02	Yes
14-Oct-15	1.32E+00	1.28E+00	No	1.04E-01	3.54E-02	Yes
6-Jan-16	1.08E+00	1.25E+00	No	1.09E-01	3.48E-02	Yes

Table 18 Radioactivity in Rain Ion Columns (continued)

Onsite: Burial Ground North (continued)

Sample Date	U-235			U-238		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	1.40E-02	1.40E-02	No	4.11E-02	2.77E-02	No
4-Mar-15	-1.02E-02	1.02E-02	No	1.62E-02	1.95E-02	No
31-Mar-15	6.43E-02	5.34E-02	No	4.49E-02	3.29E-02	No
29-Apr-15	2.48E-02	2.97E-02	No	4.05E-02	2.57E-02	No
27-May-15	-6.41E-05	2.77E-04	No	5.30E-02	2.90E-02	No
24-Jun-15	-4.59E-02	2.66E-02	No	5.51E-02	3.24E-02	No
22-Jul-15	3.95E-02	2.33E-02	No	9.59E-02	3.32E-02	Yes
19-Aug-15	4.19E-03	1.65E-02	No	3.08E-03	1.35E-02	No
23-Sep-15	3.00E-02	2.13E-02	No	1.49E-01	4.53E-02	Yes
14-Oct-15	4.76E-03	1.72E-02	No	1.54E-01	4.49E-02	Yes
6-Jan-16	5.38E-02	2.72E-02	No	7.54E-02	2.96E-02	Yes

Sample Date	Pu-238			Pu-239		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	-4.41E-03	1.82E-02	No	4.32E-02	2.89E-02	No
4-Mar-15	3.43E-02	2.01E-02	No	1.45E-02	1.87E-02	No
31-Mar-15	2.44E-02	1.75E-02	No	2.86E-02	2.28E-02	No
29-Apr-15	3.92E-03	1.60E-02	No	4.32E-03	1.58E-02	No
27-May-15	7.81E-02	3.02E-02	Yes	1.47E-02	1.75E-02	No
24-Jun-15	2.42E-02	1.74E-02	No	-1.41E-04	6.91E-04	No
22-Jul-15	-1.16E-02	1.74E-02	No	7.16E-03	1.95E-02	No
19-Aug-15	3.62E-02	2.32E-02	No	-1.86E-02	1.82E-02	No
23-Sep-15	3.97E-03	1.43E-02	No	-4.73E-05	2.31E-04	No
14-Oct-15	0.00E+00	1.34E-02	No	3.54E-03	1.29E-02	No
6-Jan-16	1.11E-02	1.11E-02	No	2.17E-02	1.61E-02	No

Table 18 Radioactivity in Rain Ion Columns (continued)

Onsite: Burial Ground North (continued)

Sample Date	Am-241			Cm-244		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	4.22E-02	2.23E-02	No	3.54E-03	1.28E-02	No
4-Mar-15	1.18E-01	3.91E-02	Yes	5.89E-02	2.66E-02	Yes
31-Mar-15	4.59E-02	2.62E-02	No	-7.14E-03	7.16E-03	No
29-Apr-15	7.46E-02	3.45E-02	No	0.00E+00	1.94E-02	No
27-May-15	4.59E-02	2.40E-02	No	1.15E-02	1.17E-02	No
24-Jun-15	5.46E-02	3.05E-02	Yes	1.25E-02	1.28E-02	No
22-Jul-15	2.64E-02	2.24E-02	No	-8.41E-03	8.12E-03	No
19-Aug-15	3.49E-02	2.15E-02	No	3.27E-03	1.46E-02	No
23-Sep-15	9.08E-02	3.31E-02	Yes	2.26E-02	1.60E-02	No
14-Oct-15	3.62E-02	2.17E-02	No	1.21E-02	1.21E-02	No
6-Jan-16	7.30E-02	3.13E-02	Yes	4.86E-02	2.45E-02	Yes

Sample Date	Gross Beta			Gross Alpha		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	2.29E+01	4.35E+00	Yes	5.57E+00	2.45E+00	Yes
4-Mar-15	4.41E+01	5.23E+00	Yes	-7.49E-01	3.78E-01	No
31-Mar-15	5.11E+01	5.60E+00	Yes	2.49E-01	9.74E-01	No
29-Apr-15	4.95E+01	5.55E+00	Yes	4.00E+00	2.13E+00	No
27-May-15	1.11E+01	3.24E+00	Yes	-6.19E-01	5.09E-01	No
24-Jun-15	4.59E+01	5.36E+00	Yes	2.04E+00	1.65E+00	No
22-Jul-15	3.03E+01	4.54E+00	Yes	2.06E+00	1.66E+00	No
19-Aug-15	7.41E+00	3.12E+00	No	5.08E-02	1.04E+00	No
23-Sep-15	5.38E+01	5.89E+00	Yes	3.22E+00	2.04E+00	No
14-Oct-15	6.32E+01	6.24E+00	Yes	1.68E-01	1.01E+00	No
6-Jan-16	6.05E+01	4.27E+00	Yes	7.16E-01	8.34E-01	No

Table 18 Radioactivity in Rain Ion Columns (continued)

Site Perimeter: D-Area

Sample Date	Co-60			Cs-137		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	7.38E-01	8.63E+00	No	1.02E+01	9.21E+00	No
4-Mar-15	1.02E+01	8.09E+00	No	-1.44E+01	9.28E+00	No
31-Mar-15	1.81E+00	7.48E+00	No	1.17E+01	8.92E+00	No
29-Apr-15	8.97E+00	9.04E+00	No	-1.18E+01	1.04E+01	No
27-May-15	2.06E+01	8.63E+00	No	-6.22E+00	9.48E+00	No
24-Jun-15	4.76E+00	8.01E+00	No	2.81E+00	9.93E+00	No
22-Jul-15	4.92E+00	8.18E+00	No	-1.28E+01	1.02E+01	No
19-Aug-15	-8.05E+00	9.56E+00	No	9.97E+00	8.72E+00	No
23-Sep-15	7.95E+00	8.76E+00	No	-1.49E+00	8.63E+00	No
14-Oct-15	1.51E+00	7.75E+00	No	5.16E+00	1.06E+01	No
6-Jan-16	-4.84E+00	8.28E+00	No	9.76E-01	8.84E+00	No

Sample Date	Sr-89/90			U-234		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	-9.16E-01	1.60E+00	No	8.70E-02	3.52E-02	Yes
4-Mar-15	1.92E-01	1.65E+00	No	3.14E-02	2.63E-02	No
31-Mar-15	4.86E-01	7.63E-01	No	1.06E-01	4.22E-02	Yes
29-Apr-15	7.19E-01	1.19E+00	No	7.86E-03	2.05E-02	No
27-May-15	1.12E+00	1.47E+00	No	2.26E-02	1.62E-02	No
24-Jun-15	9.65E-01	1.42E+00	No	1.18E-01	4.17E-02	Yes
22-Jul-15	2.38E+00	1.52E+00	No	1.06E-01	3.62E-02	Yes
19-Aug-15	1.62E+00	1.55E+00	No	1.58E-01	5.06E-02	Yes
23-Sep-15	2.28E+00	1.44E+00	No	1.73E-01	4.77E-02	Yes
14-Oct-15	1.50E+00	1.32E+00	No	4.49E-02	2.27E-02	No
6-Jan-16	-6.08E-01	1.12E+00	No	6.81E-02	2.80E-02	Yes

Table 18 Radioactivity in Rain Ion Columns (continued)

Site Perimeter: D-Area (continued)

Sample Date	U-235			U-238		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	0.00E+00	1.51E-02	No	3.65E-03	1.44E-02	No
4-Mar-15	0.00E+00	1.36E-02	No	1.06E-01	3.64E-02	Yes
31-Mar-15	7.46E-02	3.95E-02	No	6.05E-02	3.15E-02	No
29-Apr-15	1.46E-02	1.49E-02	No	4.41E-02	2.92E-02	No
27-May-15	4.62E-03	1.69E-02	No	4.89E-02	2.68E-02	No
24-Jun-15	4.68E-02	2.73E-02	No	1.01E-01	3.65E-02	Yes
22-Jul-15	4.49E-03	1.76E-02	No	7.00E-02	2.96E-02	Yes
19-Aug-15	7.46E-02	4.09E-02	No	1.39E-01	4.55E-02	Yes
23-Sep-15	4.57E-02	2.66E-02	No	1.24E-01	3.97E-02	Yes
14-Oct-15	-9.27E-03	9.28E-03	No	1.39E-01	4.20E-02	Yes
6-Jan-16	0.00E+00	1.50E-02	No	1.05E-01	3.77E-02	Yes

Sample Date	Pu-238			Pu-239		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	0.00E+00	1.55E-02	No	2.41E-02	1.87E-02	No
4-Mar-15	1.29E-02	1.29E-02	No	-8.46E-04	4.42E-03	No
31-Mar-15	8.38E-02	3.23E-02	Yes	4.00E-02	2.53E-02	No
29-Apr-15	1.77E-02	2.16E-02	No	2.73E-02	1.94E-02	No
27-May-15	-1.41E-04	6.88E-04	No	3.84E-02	2.46E-02	No
24-Jun-15	3.24E-02	1.90E-02	No	1.43E-02	1.70E-02	No
22-Jul-15	-7.76E-03	7.62E-03	No	1.10E-02	1.17E-02	No
19-Aug-15	1.67E-02	1.98E-02	No	1.22E-02	1.30E-02	No
23-Sep-15	1.59E-02	1.87E-02	No	3.92E-03	1.44E-02	No
14-Oct-15	3.97E-03	1.43E-02	No	-1.19E-02	1.82E-02	No
6-Jan-16	2.24E-02	1.59E-02	No	4.43E-02	2.30E-02	No

Table 18 Radioactivity in Rain Ion Columns (continued)

Site Perimeter: D-Area (continued)

Sample Date	Am-241			Cm-244		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	3.84E-02	2.54E-02	No	2.33E-02	1.66E-02	No
4-Mar-15	8.89E-02	3.67E-02	Yes	1.61E-02	1.89E-02	No
31-Mar-15	4.54E-02	2.59E-02	No	1.06E-02	1.06E-02	No
29-Apr-15	3.35E-02	2.76E-02	No	-9.68E-03	9.67E-03	No
27-May-15	9.27E-02	3.42E-02	Yes	5.81E-02	2.64E-02	No
24-Jun-15	5.68E-02	2.65E-02	Yes	-7.76E-03	7.60E-03	No
22-Jul-15	1.01E-01	3.74E-02	Yes	-6.62E-04	2.90E-03	No
19-Aug-15	9.59E-02	4.46E-02	No	1.85E-02	1.97E-02	No
23-Sep-15	3.97E-02	3.41E-02	No	0.00E+00	1.36E-02	No
14-Oct-15	3.54E-02	2.12E-02	No	0.00E+00	1.44E-02	No
6-Jan-16	2.38E-02	1.83E-02	No	0.00E+00	1.47E-02	No

Sample Date	Gross Beta			Gross Alpha		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	2.73E+01	4.50E+00	Yes	4.38E-02	9.67E-01	No
4-Mar-15	6.11E+01	6.02E+00	Yes	1.88E+00	1.57E+00	No
31-Mar-15	7.76E+01	6.72E+00	Yes	2.14E+00	1.68E+00	No
29-Apr-15	6.89E+01	6.38E+00	Yes	2.14E+00	1.67E+00	No
27-May-15	5.43E+01	5.76E+00	Yes	2.32E-01	1.09E+00	No
24-Jun-15	1.01E+02	7.52E+00	Yes	1.08E+00	1.34E+00	No
22-Jul-15	8.92E+01	7.15E+00	Yes	1.96E-01	1.03E+00	No
19-Aug-15	1.06E+02	7.78E+00	Yes	-1.14E-01	1.04E+00	No
23-Sep-15	9.30E+01	7.43E+00	Yes	4.08E+00	2.24E+00	No
14-Oct-15	3.43E+01	4.92E+00	Yes	1.19E+00	1.41E+00	No
6-Jan-16	1.33E+02	6.09E+00	Yes	6.84E+00	1.91E+00	Yes

Table 18 Radioactivity in Rain Ion Columns (continued)

Site Perimeter: Darkhorse @ Williston Gate

Sample Date	Co-60			Cs-137		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	1.76E+01	7.84E+00	No	5.05E+00	8.84E+00	No
4-Mar-15	1.01E+00	8.88E+00	No	1.04E+01	9.32E+00	No
31-Mar-15	2.32E-01	8.27E+00	No	1.67E-01	8.76E+00	No
29-Apr-15	-2.78E+00	1.06E+01	No	1.02E+00	9.82E+00	No
27-May-15	-9.24E+00	8.18E+00	No	-5.76E+00	9.48E+00	No
24-Jun-15	-2.47E+01	1.01E+01	No	-1.22E+01	1.02E+01	No
22-Jul-15	-6.51E-01	6.55E+00	No	-1.25E+01	8.26E+00	No
19-Aug-15	-3.65E+00	7.86E+00	No	-1.34E+00	8.72E+00	No
23-Sep-15	1.27E+00	9.21E+00	No	-1.44E+01	9.21E+00	No
14-Oct-15	-4.32E+00	8.35E+00	No	-3.49E-01	8.30E+00	No
6-Jan-16	1.12E+01	7.99E+00	No	5.49E+00	9.32E+00	No

Sample Date	Sr-89/90			U-234		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	4.49E-01	1.58E+00	No	4.59E-02	3.09E-02	No
4-Mar-15	-8.46E-01	1.44E+00	No	1.92E-02	2.32E-02	No
31-Mar-15	9.65E-01	7.96E-01	No	7.92E-02	3.41E-02	No
29-Apr-15	1.68E-01	1.12E+00	No	3.86E-02	2.48E-02	No
27-May-15	-1.53E+00	1.21E+00	No	7.89E-02	3.59E-02	Yes
24-Jun-15	-1.02E+00	1.19E+00	No	1.18E-02	2.49E-02	No
22-Jul-15	1.26E+00	1.42E+00	No	9.32E-02	3.60E-02	Yes
19-Aug-15	1.39E-01	1.39E+00	No	8.19E-02	3.16E-02	Yes
23-Sep-15	1.89E+00	1.32E+00	No	6.19E-02	2.97E-02	No
14-Oct-15	1.25E+00	1.44E+00	No	4.81E-02	2.43E-02	No
6-Jan-16	9.22E-01	1.29E+00	No	7.27E-02	3.15E-02	Yes

Table 18 Radioactivity in Rain Ion Columns (continued)

Site Perimeter: Darkhorse @ Williston Gate (continued)

Sample Date	U-235			U-238		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	3.11E-02	2.21E-02	No	2.48E-02	2.92E-02	No
4-Mar-15	4.81E-03	1.73E-02	No	-8.11E-03	7.84E-03	No
31-Mar-15	3.16E-02	2.47E-02	No	6.59E-02	3.07E-02	No
29-Apr-15	4.62E-03	1.73E-02	No	4.65E-02	2.35E-02	No
27-May-15	-4.95E-03	1.42E-02	No	2.35E-02	2.76E-02	No
24-Jun-15	-4.97E-03	1.42E-02	No	3.70E-03	1.44E-02	No
22-Jul-15	6.54E-02	3.35E-02	No	1.19E-01	4.12E-02	Yes
19-Aug-15	9.27E-03	2.47E-02	No	9.68E-02	3.69E-02	Yes
23-Sep-15	9.54E-03	2.43E-02	No	1.54E-02	1.81E-02	No
14-Oct-15	1.98E-02	2.33E-02	No	4.81E-02	2.42E-02	No
6-Jan-16	2.84E-02	2.01E-02	No	4.51E-02	2.35E-02	Yes

Sample Date	Pu-238			Pu-239		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	1.23E-02	1.23E-02	No	-9.03E-03	9.04E-03	No
4-Mar-15	-1.51E-02	1.07E-02	No	2.92E-03	1.44E-02	No
31-Mar-15	5.73E-02	3.13E-02	No	2.65E-02	1.88E-02	No
29-Apr-15	-8.68E-03	8.39E-03	No	-8.24E-03	8.20E-03	No
27-May-15	-1.41E-04	6.91E-04	No	4.38E-02	2.92E-02	No
24-Jun-15	3.54E-03	1.33E-02	No	1.08E-02	1.11E-02	No
22-Jul-15	-8.43E-03	8.29E-03	No	7.84E-03	2.12E-02	No
19-Aug-15	3.84E-02	2.47E-02	No	3.43E-02	2.05E-02	No
23-Sep-15	-1.49E-02	1.06E-02	No	-1.49E-02	1.06E-02	No
14-Oct-15	4.03E-02	2.55E-02	No	1.20E-02	1.21E-02	No
6-Jan-16	2.22E-02	1.57E-02	No	-4.76E-04	2.31E-03	No

Table 18 Radioactivity in Rain Ion Columns (continued)

Site Perimeter: Darkhorse @ Williston Gate (continued)

Sample Date	Am-241			Cm-244		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	6.95E-02	2.97E-02	Yes	1.16E-02	1.17E-02	No
4-Mar-15	9.43E-02	3.49E-02	Yes	1.18E-02	1.18E-02	No
31-Mar-15	3.27E-02	2.04E-02	No	1.48E-02	1.74E-02	No
29-Apr-15	6.68E-02	3.95E-02	No	0.00E+00	2.61E-02	No
27-May-15	4.86E-02	2.54E-02	No	2.44E-02	1.75E-02	No
24-Jun-15	3.86E-02	2.34E-02	No	2.60E-02	1.86E-02	No
22-Jul-15	4.08E-02	2.70E-02	No	-1.72E-02	1.18E-02	No
19-Aug-15	1.65E-01	4.81E-02	Yes	3.73E-02	2.25E-02	No
23-Sep-15	7.97E-02	3.52E-02	Yes	0.00E+00	1.50E-02	No
14-Oct-15	8.24E-02	3.65E-02	Yes	0.00E+00	1.61E-02	No
6-Jan-16	3.51E-02	2.36E-02	No	2.14E-02	1.51E-02	No

Sample Date	Gross Beta			Gross Alpha		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	3.03E+01	4.67E+00	Yes	9.46E-01	1.32E+00	No
4-Mar-15	4.35E+01	5.21E+00	Yes	1.16E-01	9.44E-01	No
31-Mar-15	4.27E+01	5.21E+00	Yes	-6.38E-01	3.33E-01	No
29-Apr-15	4.38E+01	5.28E+00	Yes	2.08E+00	1.62E+00	No
27-May-15	1.61E+01	3.63E+00	Yes	1.09E+00	1.30E+00	No
24-Jun-15	1.89E+01	3.84E+00	Yes	1.97E-01	9.28E-01	No
22-Jul-15	4.51E+01	5.32E+00	Yes	1.11E+00	1.36E+00	No
19-Aug-15	3.22E+01	4.75E+00	Yes	9.78E-03	1.05E+00	No
23-Sep-15	2.76E+01	4.51E+00	Yes	-7.57E-01	2.81E-01	No
14-Oct-15	1.79E+01	3.96E+00	Yes	1.26E+00	1.46E+00	No
6-Jan-16	5.27E+01	4.05E+00	Yes	3.05E+00	1.34E+00	No

Table 18 Radioactivity in Rain Ion Columns (continued)

Site Perimeter: Green Pond

Sample Date	Co-60			Cs-137		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	1.09E+01	7.69E+00	No	1.65E+01	8.30E+00	No
4-Mar-15	3.70E+00	8.31E+00	No	5.62E+00	9.93E+00	No
31-Mar-15	6.27E+00	8.84E+00	No	-6.76E+00	9.13E+00	No
29-Apr-15	-7.95E+00	9.78E+00	No	5.24E+00	1.13E+01	No
27-May-15	7.00E+00	7.41E+00	No	8.57E+00	1.03E+01	No
24-Jun-15	-7.11E+00	8.54E+00	No	-1.39E+01	8.92E+00	No
22-Jul-15	1.67E+00	6.84E+00	No	1.61E+00	8.55E+00	No
19-Aug-15	3.35E+00	7.99E+00	No	5.54E+00	9.44E+00	No
23-Sep-15	7.19E+00	7.07E+00	No	-9.57E+00	9.21E+00	No
14-Oct-15	-1.67E+01	8.92E+00	No	-6.65E+00	9.71E+00	No
6-Jan-16	3.27E+00	8.34E+00	No	6.54E+00	8.96E+00	No

Sample Date	Sr-89/90			U-234		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	1.51E-01	1.51E+00	No	4.70E-02	2.40E-02	No
4-Mar-15	-1.36E-01	1.52E+00	No	1.99E-02	2.40E-02	No
31-Mar-15	5.05E-01	7.96E-01	No	8.24E-02	3.54E-02	Yes
29-Apr-15	7.51E-01	1.18E+00	No	4.89E-02	2.49E-02	No
27-May-15	1.65E-01	1.33E+00	No	3.76E-02	2.20E-02	No
24-Jun-15	2.81E-01	1.31E+00	No	5.92E-02	2.69E-02	No
22-Jul-15	-3.08E-01	1.38E+00	No	1.65E-01	4.75E-02	Yes
19-Aug-15	-4.68E-02	1.34E+00	No	1.78E-01	4.77E-02	Yes
23-Sep-15	1.42E+00	1.42E+00	No	2.35E-01	5.43E-02	Yes
14-Oct-15	9.38E-01	1.24E+00	No	2.29E-02	1.63E-02	No
6-Jan-16	1.29E+00	1.28E+00	No	5.78E-02	2.60E-02	Yes

Table 18 Radioactivity in Rain Ion Columns (continued)

Site Perimeter: Green Pond (continued)

Sample Date	U-235			U-238		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	1.94E-02	2.28E-02	No	6.24E-02	3.05E-02	No
4-Mar-15	1.49E-02	1.50E-02	No	2.38E-02	1.73E-02	No
31-Mar-15	1.58E-02	1.86E-02	No	7.32E-02	3.62E-02	Yes
29-Apr-15	4.54E-02	2.66E-02	No	8.59E-02	3.29E-02	Yes
27-May-15	6.19E-02	3.14E-02	No	1.65E-02	1.97E-02	No
24-Jun-15	-1.96E-02	1.39E-02	No	8.27E-02	3.86E-02	Yes
22-Jul-15	-3.62E-04	1.56E-03	No	7.78E-02	3.06E-02	Yes
19-Aug-15	7.30E-02	3.35E-02	Yes	9.05E-02	3.82E-02	Yes
23-Sep-15	6.78E-02	3.07E-02	No	5.14E-02	2.90E-02	No
14-Oct-15	3.30E-02	2.63E-02	No	8.00E-02	3.07E-02	Yes
6-Jan-16	2.86E-02	2.03E-02	No	9.19E-02	3.36E-02	Yes

Sample Date	Pu-238			Pu-239		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	1.33E-02	1.33E-02	No	1.24E-02	1.43E-02	No
4-Mar-15	3.81E-03	1.37E-02	No	1.06E-02	1.25E-02	No
31-Mar-15	-4.35E-03	1.73E-02	No	1.67E-02	1.96E-02	No
29-Apr-15	-8.43E-03	8.17E-03	No	1.19E-02	1.20E-02	No
27-May-15	-1.41E-04	6.89E-04	No	-1.90E-02	1.89E-02	No
24-Jun-15	1.48E-02	1.76E-02	No	3.59E-03	1.35E-02	No
22-Jul-15	8.62E-02	3.48E-02	Yes	3.86E-02	2.52E-02	No
19-Aug-15	1.14E-02	1.17E-02	No	2.65E-02	2.18E-02	No
23-Sep-15	1.16E-02	1.17E-02	No	-4.73E-05	2.30E-04	No
14-Oct-15	1.25E-02	1.24E-02	No	-8.35E-03	8.30E-03	No
6-Jan-16	1.14E-02	1.14E-02	No	1.09E-02	1.18E-02	No

Table 18 Radioactivity in Rain Ion Columns (continued)

Site Perimeter: Green Pond (continued)

Sample Date	Am-241			Cm-244		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	3.16E-02	1.95E-02	No	1.08E-02	1.08E-02	No
4-Mar-15	5.97E-02	2.96E-02	Yes	1.12E-02	1.12E-02	No
31-Mar-15	3.43E-02	2.14E-02	No	1.17E-02	1.17E-02	No
29-Apr-15	2.61E-02	1.94E-02	No	4.43E-03	1.59E-02	No
27-May-15	3.81E-02	2.63E-02	No	6.32E-02	2.63E-02	Yes
24-Jun-15	5.81E-02	2.72E-02	Yes	-1.61E-04	6.99E-04	No
22-Jul-15	6.08E-02	2.86E-02	No	2.39E-02	1.79E-02	No
19-Aug-15	8.73E-02	3.46E-02	Yes	2.43E-02	1.82E-02	No
23-Sep-15	1.23E-01	4.02E-02	Yes	0.00E+00	1.50E-02	No
14-Oct-15	3.78E-03	1.56E-02	No	0.00E+00	1.51E-02	No
6-Jan-16	6.92E-02	2.97E-02	Yes	2.32E-02	1.64E-02	No

Sample Date	Gross Beta			Gross Alpha		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	2.18E+01	4.20E+00	Yes	1.87E+00	1.60E+00	No
4-Mar-15	9.51E+00	3.14E+00	Yes	1.24E-01	9.32E-01	No
31-Mar-15	4.78E+01	5.46E+00	Yes	1.14E+00	1.31E+00	No
29-Apr-15	2.70E+01	4.38E+00	Yes	1.16E+00	1.33E+00	No
27-May-15	1.16E+01	3.28E+00	Yes	-6.05E-01	4.98E-01	No
24-Jun-15	6.54E+01	6.20E+00	Yes	-6.65E-01	4.36E-01	No
22-Jul-15	2.81E+01	4.40E+00	Yes	1.10E+00	1.34E+00	No
19-Aug-15	4.14E+01	5.23E+00	Yes	9.49E-01	1.41E+00	No
23-Sep-15	1.39E+01	3.66E+00	Yes	2.50E-01	1.01E+00	No
14-Oct-15	3.08E+01	4.70E+00	Yes	2.15E-01	9.86E-01	No
6-Jan-16	6.95E+01	4.55E+00	Yes	4.81E+00	1.61E+00	Yes

Table 18 Radioactivity in Rain Ion Columns (continued)

Site Perimeter: Patterson Mill Road

Sample Date	Co-60			Cs-137		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	5.59E+00	7.41E+00	No	6.11E+00	9.63E+00	No
4-Mar-15	1.01E+01	9.21E+00	No	1.15E+01	9.56E+00	No
31-Mar-15	-2.41E+00	8.84E+00	No	-1.12E+00	8.50E+00	No
29-Apr-15	-1.93E+00	8.67E+00	No	-8.16E+00	1.14E+01	No
27-May-15	-9.95E+00	1.03E+01	No	1.14E+01	9.24E+00	No
24-Jun-15	1.19E+01	9.71E+00	No	6.00E+00	9.04E+00	No
22-Jul-15	1.51E-01	7.01E+00	No	2.86E+00	9.63E+00	No
19-Aug-15	1.14E+01	7.11E+00	No	-7.51E+00	9.63E+00	No
23-Sep-15	2.62E+00	6.53E+00	No	-1.16E+01	8.76E+00	No
14-Oct-15	-1.78E+00	7.74E+00	No	-3.78E+00	1.08E+01	No
6-Jan-16	-1.01E+01	9.40E+00	No	3.54E+00	9.93E+00	No

Sample Date	Sr-89/90			U-234		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	7.86E-01	1.70E+00	No	3.57E-02	2.10E-02	No
4-Mar-15	2.54E+00	6.38E-01	Yes	1.02E-01	3.87E-02	Yes
31-Mar-15	-1.66E-01	7.10E-01	No	7.78E-02	3.35E-02	Yes
29-Apr-15	1.10E+00	1.19E+00	No	3.78E-02	2.21E-02	No
27-May-15	-5.97E-02	1.30E+00	No	1.63E-02	1.94E-02	No
24-Jun-15	1.04E+00	1.37E+00	No	-8.32E-03	8.17E-03	No
22-Jul-15	1.69E+00	1.44E+00	No	9.30E-02	3.50E-02	Yes
19-Aug-15	-1.41E+00	1.19E+00	No	1.49E-01	4.63E-02	Yes
23-Sep-15	1.65E+00	1.26E+00	No	1.14E-01	3.69E-02	Yes
14-Oct-15	-1.82E+00	1.01E+00	No	5.57E-02	3.02E-02	No
6-Jan-16	1.33E+00	1.31E+00	No	4.89E-02	2.65E-02	No

Table 18 Radioactivity in Rain Ion Columns (continued)

Site Perimeter: Patterson Mill Road (continued)

Sample Date	U-235			U-238		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	2.95E-02	2.10E-02	No	4.73E-02	2.43E-02	No
4-Mar-15	3.03E-02	2.16E-02	No	2.84E-02	2.31E-02	No
31-Mar-15	-1.40E-03	6.15E-03	No	2.11E-02	2.63E-02	No
29-Apr-15	1.02E-02	2.65E-02	No	3.35E-02	3.63E-02	No
27-May-15	5.00E-03	1.83E-02	No	7.76E-02	3.41E-02	No
24-Jun-15	2.01E-02	2.37E-02	No	2.42E-02	1.75E-02	No
22-Jul-15	3.19E-02	2.59E-02	No	1.33E-01	4.01E-02	Yes
19-Aug-15	3.32E-02	2.40E-02	No	4.46E-02	2.91E-02	No
23-Sep-15	1.41E-02	1.41E-02	No	5.70E-02	2.57E-02	No
14-Oct-15	1.58E-02	1.59E-02	No	5.14E-02	2.58E-02	No
6-Jan-16	-9.30E-03	9.32E-03	No	2.58E-02	2.14E-02	No

Sample Date	Pu-238			Pu-239		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	-7.62E-03	7.64E-03	No	-3.14E-02	1.54E-02	No
4-Mar-15	2.66E-02	1.90E-02	No	-8.46E-04	4.39E-03	No
31-Mar-15	-9.46E-03	9.28E-03	No	1.39E-02	1.39E-02	No
29-Apr-15	1.52E-02	3.28E-02	No	2.08E-02	2.45E-02	No
27-May-15	-4.51E-03	1.80E-02	No	1.29E-02	1.32E-02	No
24-Jun-15	2.11E-02	1.52E-02	No	2.11E-02	1.51E-02	No
22-Jul-15	2.35E-02	1.69E-02	No	-3.97E-02	1.76E-02	No
19-Aug-15	3.70E-03	1.39E-02	No	-4.30E-03	1.60E-02	No
23-Sep-15	-7.38E-03	7.44E-03	No	-1.11E-02	1.69E-02	No
14-Oct-15	1.08E-02	1.08E-02	No	1.08E-02	2.26E-02	No
6-Jan-16	0.00E+00	1.48E-02	No	-8.70E-03	8.41E-03	No

Table 18 Radioactivity in Rain Ion Columns (continued)

Site Perimeter: Patterson Mill Road (continued)

Sample Date	Am-241			Cm-244		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	6.97E-02	2.99E-02	Yes	1.16E-02	1.17E-02	No
4-Mar-15	6.30E-02	3.12E-02	Yes	-7.89E-03	7.90E-03	No
31-Mar-15	3.68E-02	2.47E-02	No	-7.46E-03	7.46E-03	No
29-Apr-15	4.05E-02	2.66E-02	No	-8.19E-03	8.19E-03	No
27-May-15	6.89E-02	2.94E-02	Yes	1.53E-02	1.82E-02	No
24-Jun-15	6.05E-02	2.82E-02	No	1.20E-02	1.23E-02	No
22-Jul-15	2.95E-03	1.44E-02	No	1.08E-02	1.20E-02	No
19-Aug-15	7.86E-02	3.53E-02	Yes	5.32E-02	2.97E-02	Yes
23-Sep-15	3.92E-02	2.33E-02	No	-4.38E-03	1.80E-02	No
14-Oct-15	3.68E-02	2.19E-02	No	0.00E+00	1.53E-02	No
6-Jan-16	3.16E-02	2.76E-02	No	1.21E-02	1.21E-02	No

Sample Date	Gross Beta			Gross Alpha		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
4-Feb-15	1.89E+01	3.99E+00	Yes	9.54E-01	1.30E+00	No
4-Mar-15	2.86E+01	4.43E+00	Yes	9.78E-01	1.27E+00	No
31-Mar-15	4.81E+01	5.48E+00	Yes	2.95E+00	1.83E+00	No
29-Apr-15	4.46E+01	5.30E+00	Yes	1.12E+00	1.29E+00	No
27-May-15	1.21E+01	3.32E+00	Yes	-6.19E-01	5.09E-01	No
24-Jun-15	1.09E+01	3.27E+00	Yes	-6.22E-01	4.19E-01	No
22-Jul-15	4.68E+01	5.39E+00	Yes	-6.49E-01	5.13E-01	No
19-Aug-15	2.45E+01	4.33E+00	Yes	1.87E+00	1.65E+00	No
23-Sep-15	3.95E+01	5.21E+00	Yes	3.08E+00	1.94E+00	No
14-Oct-15	-5.97E-01	2.41E+00	No	2.66E-01	9.78E-01	No
6-Jan-16	1.29E+01	2.47E+00	Yes	2.60E-01	6.65E-01	No

Table 18 Radioactivity in Rain Ion Columns (continued)

25-Mile Radius: Highway 301 @ State Line (control)

Sample Date	Co-60			Cs-137		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
5-Feb-15	-9.38E+00	7.34E+00	No	1.18E+01	9.17E+00	No
5-Mar-15	7.46E+00	7.84E+00	No	1.01E+01	1.05E+01	No
1-Apr-15	-3.49E-01	8.80E+00	No	6.59E+00	9.21E+00	No
30-Apr-15	1.82E+00	8.14E+00	No	3.14E+00	8.59E+00	No
28-May-15	-1.14E+01	7.34E+00	No	7.76E+00	9.59E+00	No
25-Jun-15	-1.16E+01	9.40E+00	No	-5.24E+00	9.36E+00	No
23-Jul-15	-8.35E+00	7.41E+00	No	-1.36E+01	9.97E+00	No
20-Aug-15	1.06E+01	9.00E+00	No	1.27E+01	9.67E+00	No
24-Sep-15	-9.27E+00	9.56E+00	No	-4.14E+00	8.63E+00	No
15-Oct-15	6.19E+00	6.97E+00	No	9.00E+00	9.17E+00	No
7-Jan-16	-9.46E-01	7.88E+00	No	4.51E+00	9.24E+00	No

Sample Date	Sr-89/90			U-234		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
5-Feb-15	-3.11E-01	1.43E+00	No	1.67E-02	2.00E-02	No
5-Mar-15	1.84E+00	1.72E+00	No	3.68E-02	2.17E-02	No
1-Apr-15	1.08E-01	7.23E-01	No	4.35E-02	2.92E-02	No
30-Apr-15	1.55E-01	1.17E+00	No	1.62E-02	1.93E-02	No
28-May-15	1.66E-01	1.34E+00	No	5.54E-02	3.02E-02	No
25-Jun-15	1.51E+00	1.44E+00	No	5.00E-02	2.85E-02	No
23-Jul-15	-5.46E-01	1.31E+00	No	1.66E-01	4.58E-02	Yes
20-Aug-15	2.05E+00	1.55E+00	No	8.24E-02	3.93E-02	No
24-Sep-15	-3.27E-01	1.21E+00	No	1.70E-01	4.98E-02	Yes
15-Oct-15	3.27E-01	1.17E+00	No	1.15E-01	4.04E-02	Yes
7-Jan-16	4.89E-01	1.20E+00	No	2.46E-02	1.96E-02	No

Table 18 Radioactivity in Rain Ion Columns (continued)

25-Mile Radius: Highway 301 @ State Line (control) (continued)

Sample Date	U-235			U-238		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
5-Feb-15	3.14E-02	2.23E-02	No	-4.54E-03	1.75E-02	No
5-Mar-15	4.57E-02	2.66E-02	No	1.20E-02	1.25E-02	No
1-Apr-15	-2.34E-02	1.64E-02	No	7.49E-02	4.55E-02	No
30-Apr-15	-2.04E-02	1.43E-02	No	3.68E-02	2.13E-02	No
28-May-15	1.58E-02	1.59E-02	No	1.68E-02	2.01E-02	No
25-Jun-15	2.65E-02	1.89E-02	No	6.78E-02	2.97E-02	Yes
23-Jul-15	6.30E-02	3.46E-02	No	1.65E-01	4.59E-02	Yes
20-Aug-15	6.92E-02	3.17E-02	No	1.35E-01	4.05E-02	Yes
24-Sep-15	3.68E-02	2.94E-02	No	8.92E-02	3.41E-02	Yes
15-Oct-15	2.02E-02	2.37E-02	No	1.06E-01	4.09E-02	Yes
7-Jan-16	1.30E-02	1.30E-02	No	7.68E-02	3.14E-02	Yes

Sample Date	Pu-238			Pu-239		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
5-Feb-15	4.81E-02	2.44E-02	No	2.73E-02	2.32E-02	No
5-Mar-15	0.00E+00	1.49E-02	No	2.30E-02	1.79E-02	No
1-Apr-15	2.44E-02	1.75E-02	No	2.45E-02	1.74E-02	No
30-Apr-15	-4.62E-04	2.25E-03	No	7.05E-02	2.92E-02	Yes
28-May-15	-1.41E-04	6.85E-04	No	-3.95E-03	1.57E-02	No
25-Jun-15	8.22E-02	3.17E-02	Yes	2.33E-02	1.67E-02	No
23-Jul-15	2.17E-02	1.56E-02	No	5.41E-02	2.51E-02	Yes
20-Aug-15	-2.32E-02	1.34E-02	No	3.41E-03	1.40E-02	No
24-Sep-15	2.51E-02	2.00E-02	No	-4.73E-05	2.28E-04	No
15-Oct-15	5.62E-02	2.54E-02	No	3.70E-03	1.35E-02	No
7-Jan-16	3.46E-02	2.01E-02	No	-4.32E-03	1.60E-02	No

Table 18 Radioactivity in Rain Ion Columns (continued)

25-Mile Radius: Highway 301 @ State Line (control) (continued)

Sample Date	Am-241			Cm-244		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
5-Feb-15	3.35E-03	1.51E-02	No	1.61E-02	1.90E-02	No
5-Mar-15	3.38E-02	2.07E-02	No	1.14E-02	1.14E-02	No
1-Apr-15	6.70E-02	2.90E-02	Yes	0.00E+00	1.25E-02	No
30-Apr-15	4.78E-02	2.48E-02	No	0.00E+00	1.34E-02	No
28-May-15	3.68E-02	2.23E-02	No	-1.61E-04	7.05E-04	No
25-Jun-15	1.09E-01	4.00E-02	Yes	4.08E-02	2.38E-02	No
23-Jul-15	5.84E-02	2.76E-02	No	3.49E-02	2.11E-02	No
20-Aug-15	7.24E-02	3.11E-02	Yes	1.15E-02	1.26E-02	No
24-Sep-15	3.73E-03	1.55E-02	No	0.00E+00	1.50E-02	No
15-Oct-15	6.65E-02	2.81E-02	Yes	1.10E-02	1.10E-02	No
7-Jan-16	2.35E-02	1.81E-02	No	1.21E-02	2.51E-02	No

Sample Date	Gross Beta			Gross Alpha		
	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant	Result (pCi/m ³)	Standard Deviation (pCi/m ³)	Significant
5-Feb-15	7.57E+00	3.17E+00	No	9.65E-01	1.29E+00	No
5-Mar-15	3.78E+01	4.93E+00	Yes	1.20E-01	9.59E-01	No
1-Apr-15	6.38E+01	6.17E+00	Yes	-6.84E-01	3.53E-01	No
30-Apr-15	1.84E+01	3.84E+00	Yes	-6.32E-01	3.33E-01	No
28-May-15	1.51E+01	3.55E+00	Yes	1.96E+00	1.57E+00	No
25-Jun-15	3.16E+01	4.61E+00	Yes	1.05E+00	1.28E+00	No
23-Jul-15	4.51E+01	5.31E+00	Yes	2.24E-01	1.02E+00	No
20-Aug-15	4.86E+01	5.58E+00	Yes	-1.82E-02	1.05E+00	No
24-Sep-15	1.78E+01	3.94E+00	Yes	1.19E+00	1.38E+00	No
15-Oct-15	1.75E+01	3.94E+00	Yes	2.11E+00	1.64E+00	No
7-Jan-16	2.76E+01	3.14E+00	Yes	-1.82E-01	5.16E-01	No

Table 19 Tritium in Rainwater

Onsite: Burial Ground North

Sample Date	Burial Ground North		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
4-Feb-15	4.38E+03	2.35E+02	Yes
4-Mar-15	4.27E+03	2.33E+02	Yes
31-Mar-15	5.16E+03	2.51E+02	Yes
29-Apr-15	3.84E+03	2.19E+02	Yes
27-May-15	4.14E+03	2.29E+02	Yes
24-Jun-15	2.86E+03	2.23E+02	Yes
22-Jul-15	1.58E+03	1.74E+02	Yes
19-Aug-15	5.54E+03	2.70E+02	Yes
23-Sep-15	3.16E+03	2.25E+02	Yes
14-Oct-15	2.95E+03	2.12E+02	Yes
11-Nov-15	1.79E+03	1.71E+02	Yes
9-Dec-15	1.30E+03	1.59E+02	Yes
6-Jan-16	3.59E+03	2.19E+02	Yes

Site Perimeter: Allendale Gate and Barnwell Gate

Sample Date	Allendale Gate			Barnwell Gate		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
4-Feb-15	2.11E+02	1.31E+02	No	5.27E+01	1.25E+02	No
4-Mar-15	-1.25E+01	1.27E+02	No	-1.41E+02	1.22E+02	No
31-Mar-15	-2.01E+02	1.25E+02	No	1.29E+02	1.37E+02	No
29-Apr-15	2.13E+02	1.23E+02	No	1.02E+02	1.19E+02	No
27-May-15	1.79E+02	1.36E+02	No	2.22E+02	1.30E+02	No
24-Jun-15	-2.95E+02	1.51E+02	No	-3.16E+02	1.49E+02	No
22-Jul-15	-1.21E+02	1.22E+02	No	2.73E-04	1.26E+02	No
19-Aug-15	-7.05E+01	1.51E+02	No	1.27E+02	1.57E+02	No
23-Sep-15	1.67E+02	1.56E+02	No	-1.54E+02	1.47E+02	No
14-Oct-15	2.02E+01	1.34E+02	No	-1.63E+02	1.28E+02	No
11-Nov-15	1.45E+02	1.22E+02	No	5.68E+01	1.19E+02	No
9-Dec-15	1.86E+02	1.22E+02	No	1.26E+02	1.22E+02	No
6-Jan-16	-5.32E+01	1.33E+02	No	1.51E+02	1.40E+02	No

Table 19 Tritium in Rainwater (continued)

Site Perimeter: D-Area and Darkhorse @ Williston Gate

Sample Date	D-Area			Darkhorse @ Williston Gate		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
4-Feb-15	3.54E+02	1.34E+02	No	5.43E+01	1.24E+02	No
4-Mar-15	2.15E+02	1.35E+02	No	1.44E+01	1.28E+02	No
31-Mar-15	2.46E+02	1.41E+02	No	-1.10E+02	1.27E+02	No
29-Apr-15	1.07E+02	1.19E+02	No	1.16E+02	1.19E+02	No
27-May-15	5.49E+02	1.40E+02	Yes	1.64E+02	1.27E+02	No
24-Jun-15	-2.43E+02	1.50E+02	No	-2.34E+02	1.52E+02	No
22-Jul-15	6.19E+01	1.27E+02	No	2.66E+02	1.36E+02	No
19-Aug-15	1.94E+01	1.54E+02	No	1.47E+02	1.56E+02	No
23-Sep-15	-1.91E+01	1.50E+02	No	-1.76E+02	1.47E+02	No
14-Oct-15	2.02E+01	1.34E+02	No	1.76E+02	1.39E+02	No
11-Nov-15	6.51E+02	1.41E+02	Yes	3.14E+02	1.27E+02	No
9-Dec-15	2.22E+02	1.25E+02	No	2.95E+02	1.30E+02	No
6-Jan-16	2.86E+01	1.36E+02	No	1.64E+02	1.41E+02	No

Site Perimeter: East Talatha and Green Pond

Sample Date	East Talatha			Green Pond		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
4-Feb-15	1.09E+01	1.23E+02	No	-6.92E+01	1.20E+02	No
4-Mar-15	-1.61E+02	1.21E+02	No	1.24E+02	1.32E+02	No
31-Mar-15	-2.12E+02	1.24E+02	No	-2.76E+02	1.23E+02	No
29-Apr-15	1.29E+02	1.21E+02	No	1.99E+02	1.21E+02	No
27-May-15	5.05E+02	1.40E+02	Yes	5.95E+01	1.24E+02	No
24-Jun-15	-2.97E+02	1.50E+02	No	-1.60E+02	1.55E+02	No
22-Jul-15	1.07E+02	1.30E+02	No	-1.17E+02	1.21E+02	No
19-Aug-15	1.21E+02	1.56E+02	No	3.41E+02	1.61E+02	No
23-Sep-15	1.06E+02	1.55E+02	No	5.19E+00	1.51E+02	No
14-Oct-15	-2.11E+02	1.26E+02	No	-2.86E+02	1.22E+02	No
11-Nov-15	5.35E+01	1.19E+02	No	1.24E+02	1.22E+02	No
9-Dec-15	1.24E+02	1.23E+02	No	6.78E+02	1.40E+02	Yes
6-Jan-16	2.41E+02	1.42E+02	No	2.86E+02	1.43E+02	No

Table 19 Tritium in Rainwater (continued)

Site Perimeter: Highway 21/167 and Jackson

Sample Date	Highway 21/167			Jackson		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
4-Feb-15	-6.16E+01	1.20E+02	No	-1.25E+02	1.18E+02	No
4-Mar-15	8.92E+00	1.27E+02	No	-1.11E+02	1.24E+02	No
31-Mar-15	-1.21E+02	1.27E+02	No	4.65E+01	1.34E+02	No
29-Apr-15	5.73E+01	1.17E+02	No	-3.62E+00	1.16E+02	No
27-May-15	1.39E+02	1.29E+02	No	1.84E+02	1.30E+02	No
24-Jun-15	-1.31E+02	1.56E+02	No	-1.07E+02	1.55E+02	No
22-Jul-15	5.14E+01	1.28E+02	No	1.28E+01	1.26E+02	No
19-Aug-15	-5.76E+01	1.50E+02	No	3.49E+00	1.52E+02	No
23-Sep-15	-1.41E+02	1.47E+02	No	-1.06E+02	1.49E+02	No
14-Oct-15	-1.26E+02	1.28E+02	No	-1.60E+02	1.30E+02	No
11-Nov-15	-2.24E+01	1.16E+02	No	5.84E+01	1.19E+02	No
9-Dec-15	1.24E+02	1.23E+02	No	1.05E+02	1.18E+02	No
6-Jan-16	2.54E+02	1.42E+02	No	4.03E+01	1.36E+02	No

Site Perimeter: Patterson Mill Road and Talatha Gate

Sample Date	Patterson Mill Road			Talatha Gate		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
4-Feb-15	1.30E+02	1.26E+02	No	5.65E+01	1.25E+02	No
4-Mar-15	3.49E+02	1.39E+02	No	-6.81E+01	1.25E+02	No
31-Mar-15	-6.43E+01	1.30E+02	No	-1.05E+02	1.28E+02	No
29-Apr-15	2.41E+02	1.24E+02	No	1.83E+02	1.23E+02	No
27-May-15	-6.86E+01	1.19E+02	No	1.22E+02	1.27E+02	No
24-Jun-15	-2.05E+02	1.52E+02	No	-1.17E+02	1.54E+02	No
22-Jul-15	-3.68E+00	1.26E+02	No	5.11E+01	1.27E+02	No
19-Aug-15	-1.35E+02	1.48E+02	No	-5.81E+01	1.51E+02	No
23-Sep-15	-1.24E+02	1.48E+02	No	-3.65E+01	1.50E+02	No
14-Oct-15	-4.78E+01	1.32E+02	No	-6.00E+01	1.30E+02	No
11-Nov-15	2.38E+02	1.25E+02	No	1.76E+02	1.24E+02	No
9-Dec-15	1.04E+02	1.18E+02	No	4.16E+02	1.30E+02	Yes
6-Jan-16	1.11E+02	1.39E+02	No	6.54E+01	1.37E+02	No

Table 19 Tritium in Rainwater (continued)

25-Mile Radius: Aiken Airport and Augusta Lock and Dam 614

Sample Date	Aiken Airport			Augusta Lock and Dam 614		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
5-Feb-15	1.16E+02	1.27E+02	No	6.76E+01	1.29E+02	No
5-Mar-15	-9.89E+01	1.24E+02	No	-7.38E+01	1.35E+02	No
1-Apr-15	-1.07E+01	1.32E+02	No	9.16E+01	1.41E+02	No
30-Apr-15	9.49E+01	1.19E+02	No	3.57E+02	1.39E+02	No
28-May-15	1.54E+02	1.28E+02	No	1.98E+02	1.32E+02	No
25-Jun-15	1.23E+01	1.43E+02	No	2.20E+02	1.53E+02	No
23-Jul-15	1.37E+02	1.31E+02	No	-6.46E+01	1.24E+02	No
20-Aug-15	-1.99E+02	1.47E+02	No	-5.03E+01	1.55E+02	No
24-Sep-15	-2.76E+02	1.44E+02	No	-1.71E+02	1.52E+02	No
15-Oct-15	-3.14E+01	1.32E+02	No	-9.22E+01	1.36E+02	No
12-Nov-15	1.18E+02	1.23E+02	No	1.33E+02	1.24E+02	No
10-Dec-15	5.08E+01	1.17E+02	No	1.65E+01	1.21E+02	No
7-Jan-16	1.26E+02	1.39E+02	No	-1.10E+02	1.33E+02	No

25-Mile Radius: Highway 301 @ State Line (control)

Sample Date	Highway 301 @ State Line (control)		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
5-Feb-15	7.24E+00	1.23E+02	No
5-Mar-15	-8.95E+00	1.27E+02	No
1-Apr-15	-1.50E+02	1.27E+02	No
30-Apr-15	1.42E+02	1.20E+02	No
28-May-15	3.43E+01	1.23E+02	No
25-Jun-15	2.08E+02	1.48E+02	No
23-Jul-15	5.84E+01	1.27E+02	No
20-Aug-15	-2.81E+01	1.51E+02	No
24-Sep-15	-1.61E+02	1.48E+02	No
15-Oct-15	-1.23E+02	1.29E+02	No
12-Nov-15	-8.81E+01	1.14E+02	No
10-Dec-15	1.02E+02	1.18E+02	No
7-Jan-16	4.51E+01	1.36E+02	No

Table 20 Radionuclides in Rainwater (excluding tritium)

Radionuclide: Co-60

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Onsite				
Burial Ground North	9-Dec-15	-3.46E+00	1.96E+00	No
Site Perimeter				
Allendale Gate	9-Dec-15	2.06E+00	1.93E+00	No
Barnwell Gate	9-Dec-15	3.43E+00	1.78E+00	No
D-Area	9-Dec-15	2.17E+00	2.11E+00	No
Darkhorse @ Williston Gate	9-Dec-15	-8.46E-01	1.94E+00	No
East Talatha	9-Dec-15	-6.78E-01	1.73E+00	No
Green Pond	9-Dec-15	2.62E+00	1.97E+00	No
Highway 21/167	9-Dec-15	3.81E+00	1.87E+00	No
Jackson	9-Dec-15	4.32E+00	1.85E+00	No
Patterson Mill Road	9-Dec-15	4.65E-01	2.06E+00	No
Talatha Gate	9-Dec-15	-1.31E+00	1.91E+00	No
25-Mile				
Aiken Airport	10-Dec-15	-1.38E+00	1.91E+00	No
Augusta Lock and Dam 614	10-Dec-15	-2.52E+00	1.83E+00	No
Highway 301 @ State Line	10-Dec-15	-7.62E-01	1.82E+00	No

Table 20 Radionuclides in Rainwater (excluding tritium) (continued)**Radionuclide: Cs-137**

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Onsite				
Burial Ground North	9-Dec-15	-2.00E-01	2.14E+00	No
Site Perimeter				
Allendale Gate	9-Dec-15	1.49E+00	2.11E+00	No
Barnwell Gate	9-Dec-15	-8.16E-01	2.15E+00	No
D-Area	9-Dec-15	-2.08E+00	2.14E+00	No
Darkhorse @ Williston Gate	9-Dec-15	4.76E-01	2.11E+00	No
East Talatha	9-Dec-15	-6.41E-01	2.19E+00	No
Green Pond	9-Dec-15	-1.61E+00	2.21E+00	No
Highway 21/167	9-Dec-15	-1.24E+00	1.97E+00	No
Jackson	9-Dec-15	-1.84E+00	2.06E+00	No
Patterson Mill Road	9-Dec-15	6.00E-02	2.36E+00	No
Talatha Gate	9-Dec-15	9.84E-01	2.13E+00	No
25-Mile Radius				
Aiken Airport	10-Dec-15	1.81E+00	2.08E+00	No
Augusta Lock and Dam 614	10-Dec-15	3.62E+00	2.23E+00	No
Highway 301 @ State Line	10-Dec-15	5.03E-01	1.98E+00	No

Table 20 Radionuclides in Rainwater (excluding tritium) (continued)

Radionuclide: Sr-89/90

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Onsite				
Burial Ground North	9-Dec-15	-2.04E-01	3.22E-01	No
Site Perimeter				
Allendale Gate	9-Dec-15	1.68E-01	3.54E-01	No
Barnwell Gate	9-Dec-15	-8.16E-02	3.32E-01	No
D-Area	9-Dec-15	-5.00E-02	3.32E-01	No
Darkhorse @ Williston Gate	9-Dec-15	-5.73E-02	3.32E-01	No
East Talatha	9-Dec-15	-4.89E-01	2.83E-01	No
Green Pond	9-Dec-15	-1.48E-01	3.30E-01	No
Highway 21/167	9-Dec-15	5.19E-01	3.71E-01	No
Jackson	9-Dec-15	1.08E-01	3.35E-01	No
Patterson Mill Road	9-Dec-15	2.84E-01	3.65E-01	No
Talatha Gate	9-Dec-15	4.08E-01	3.84E-01	No
25-Mile Radius				
Aiken Airport	10-Dec-15	4.97E-01	3.93E-01	No
Augusta Lock and Dam 614	10-Dec-15	6.27E-01	3.79E-01	No
Highway 301 @ State Line	10-Dec-15	1.81E-01	3.30E-01	No

Table 20 Radionuclides in Rainwater (excluding tritium) (continued)**Radionuclide: U-234**

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Onsite				
Burial Ground North	9-Dec-15	4.62E-02	1.39E-02	Yes
Site Perimeter				
Allendale Gate	9-Dec-15	3.05E-02	1.08E-02	Yes
Barnwell Gate	9-Dec-15	2.04E-02	1.08E-02	No
D-Area	9-Dec-15	1.77E-02	9.17E-03	Yes
Darkhorse @ Williston Gate	9-Dec-15	2.78E-02	1.08E-02	Yes
East Talatha	9-Dec-15	8.62E-03	7.49E-03	No
Green Pond	9-Dec-15	2.01E-02	8.72E-03	Yes
Highway 21/167	9-Dec-15	2.58E-02	9.63E-03	Yes
Jackson	9-Dec-15	1.74E-02	8.72E-03	No
Patterson Mill Road	9-Dec-15	6.03E-02	1.52E-02	Yes
Talatha Gate	9-Dec-15	2.14E-02	8.59E-03	Yes
25-Mile Radius				
Aiken Airport	10-Dec-15	3.03E-02	1.23E-02	Yes
Augusta Lock and Dam 614	10-Dec-15	3.03E-02	1.10E-02	Yes
Highway 301 @ State Line	10-Dec-15	1.87E-02	9.67E-03	Yes

Table 20 Radionuclides in Rainwater (excluding tritium) (continued)

Radionuclide: U-235

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Onsite				
Burial Ground North	9-Dec-15	8.51E-03	6.15E-03	No
Site Perimeter				
Allendale Gate	9-Dec-15	1.40E-02	9.00E-03	No
Barnwell Gate	9-Dec-15	4.19E-03	4.30E-03	No
D-Area	9-Dec-15	1.27E-03	4.70E-03	No
Darkhorse @ Williston Gate	9-Dec-15	-1.40E-03	5.73E-03	No
East Talatha	9-Dec-15	4.00E-03	4.11E-03	No
Green Pond	9-Dec-15	1.24E-02	7.33E-03	No
Highway 21/167	9-Dec-15	3.95E-03	4.07E-03	No
Jackson	9-Dec-15	5.38E-03	6.39E-03	No
Patterson Mill Road	9-Dec-15	3.03E-02	1.23E-02	Yes
Talatha Gate	9-Dec-15	7.54E-03	5.45E-03	No
25-Mile Radius				
Aiken Airport	10-Dec-15	4.11E-03	4.23E-03	No
Augusta Lock and Dam 614	10-Dec-15	1.31E-03	4.85E-03	No
Highway 301 @ State Line	10-Dec-15	5.43E-03	6.45E-03	No

Table 20 Radionuclides in Rainwater (excluding tritium) (continued)

Radionuclide: U-238

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Onsite				
Burial Ground North	9-Dec-15	2.76E-02	1.01E-02	Yes
Site Perimeter				
Allendale Gate	9-Dec-15	3.73E-02	1.18E-02	Yes
Barnwell Gate	9-Dec-15	3.41E-02	1.12E-02	Yes
D-Area	9-Dec-15	4.05E-02	1.31E-02	Yes
Darkhorse @ Williston Gate	9-Dec-15	3.03E-02	1.05E-02	Yes
East Talatha	9-Dec-15	2.38E-02	9.78E-03	Yes
Green Pond	9-Dec-15	3.57E-02	1.25E-02	Yes
Highway 21/167	9-Dec-15	5.57E-02	1.45E-02	Yes
Jackson	9-Dec-15	2.73E-02	1.04E-02	Yes
Patterson Mill Road	9-Dec-15	4.14E-02	1.28E-02	Yes
Talatha Gate	9-Dec-15	1.93E-02	8.63E-03	Yes
25-Mile Radius				
Aiken Airport	10-Dec-15	6.68E-03	4.98E-03	No
Augusta Lock and Dam 614	10-Dec-15	5.16E-02	1.36E-02	Yes
Highway 301 @ State Line	10-Dec-15	3.08E-02	1.11E-02	Yes

Table 20 Radionuclides in Rainwater (excluding tritium) (continued)

Radionuclide: Pu-238

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Onsite				
Burial Ground North	9-Dec-15	-2.22E-06	7.29E-05	No
Site Perimeter				
Allendale Gate	9-Dec-15	9.81E-03	5.71E-03	No
Barnwell Gate	9-Dec-15	-4.16E-03	2.96E-03	No
D-Area	9-Dec-15	1.24E-02	6.25E-03	Yes
Darkhorse @ Williston Gate	9-Dec-15	3.59E-02	1.20E-02	Yes
East Talatha	9-Dec-15	1.11E-03	4.01E-03	No
Green Pond	9-Dec-15	7.35E-03	5.87E-03	No
Highway 21/167	9-Dec-15	-2.22E-06	7.36E-05	No
Jackson	9-Dec-15	3.22E-03	3.24E-03	No
Patterson Mill Road	9-Dec-15	3.27E-03	3.28E-03	No
Talatha Gate	9-Dec-15	9.89E-03	5.77E-03	No
25-Mile Radius				
Aiken Airport	10-Dec-15	-2.22E-06	7.28E-05	No
Augusta Lock and Dam 614	10-Dec-15	3.19E-03	3.21E-03	No
Highway 301 @ State Line	10-Dec-15	1.37E-02	6.91E-03	Yes

Table 20 Radionuclides in Rainwater (excluding tritium) (continued)

Radionuclide: Pu-239

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Onsite				
Burial Ground North	9-Dec-15	7.27E-03	5.86E-03	No
Site Perimeter				
Allendale Gate	9-Dec-15	-2.19E-03	2.20E-03	No
Barnwell Gate	9-Dec-15	9.35E-03	5.52E-03	Yes
D-Area	9-Dec-15	6.16E-03	4.45E-03	No
Darkhorse @ Williston Gate	9-Dec-15	3.46E-03	3.53E-03	No
East Talatha	9-Dec-15	1.10E-03	4.04E-03	No
Green Pond	9-Dec-15	-4.22E-03	2.97E-03	No
Highway 21/167	9-Dec-15	3.43E-03	3.51E-03	No
Jackson	9-Dec-15	3.22E-03	3.29E-03	No
Patterson Mill Road	9-Dec-15	-1.34E-05	4.39E-04	No
Talatha Gate	9-Dec-15	3.30E-03	3.36E-03	No
25-Mile Radius				
Aiken Airport	10-Dec-15	-1.34E-05	4.37E-04	No
Augusta Lock and Dam 614	10-Dec-15	-1.34E-05	4.38E-04	No
Highway 301 @ State Line	10-Dec-15	1.02E-02	6.03E-03	No

Table 20 Radionuclides in Rainwater (excluding tritium) (continued)

Radionuclide: Am-241

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Onsite				
Burial Ground North	9-Dec-15	1.64E-02	7.94E-03	No
Site Perimeter				
Allendale Gate	9-Dec-15	1.82E-02	1.04E-02	Yes
Barnwell Gate	9-Dec-15	1.59E-02	7.75E-03	Yes
D-Area	9-Dec-15	3.78E-02	1.22E-02	Yes
Darkhorse @ Williston Gate	9-Dec-15	1.32E-02	7.20E-03	No
East Talatha	9-Dec-15	1.37E-02	7.44E-03	No
Green Pond	9-Dec-15	1.38E-02	7.50E-03	No
Highway 21/167	9-Dec-15	2.16E-02	9.89E-03	Yes
Jackson	9-Dec-15	1.36E-02	7.39E-03	No
Patterson Mill Road	9-Dec-15	1.98E-02	8.67E-03	Yes
Talatha Gate	9-Dec-15	5.89E-03	6.49E-03	No
25-Mile Radius				
Aiken Airport	10-Dec-15	2.37E-02	9.04E-03	Yes
Augusta Lock and Dam 614	10-Dec-15	2.69E-02	1.06E-02	Yes
Highway 301 @ State Line	10-Dec-15	2.61E-02	9.93E-03	Yes

Table 20 Radionuclides in Rainwater (excluding tritium) (continued)

Radionuclide: Cm-244

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Onsite				
Burial Ground North	9-Dec-15	1.73E-02	8.44E-03	Yes
Site Perimeter				
Allendale Gate	9-Dec-15	1.25E-02	7.39E-03	No
Barnwell Gate	9-Dec-15	-2.14E-03	2.20E-03	No
D-Area	9-Dec-15	1.70E-02	7.80E-03	Yes
Darkhorse @ Williston Gate	9-Dec-15	-2.48E-05	7.28E-04	No
East Talatha	9-Dec-15	3.38E-03	3.52E-03	No
Green Pond	9-Dec-15	6.84E-03	4.98E-03	No
Highway 21/167	9-Dec-15	6.73E-03	4.91E-03	No
Jackson	9-Dec-15	-1.15E-03	4.68E-03	No
Patterson Mill Road	9-Dec-15	1.74E-02	8.47E-03	Yes
Talatha Gate	9-Dec-15	-7.86E-03	5.55E-03	No
25-Mile Radius				
Aiken Airport	10-Dec-15	9.76E-03	6.32E-03	No
Augusta Lock and Dam 614	10-Dec-15	2.86E-02	9.89E-03	Yes
Highway 301 @ State Line	10-Dec-15	4.30E-03	5.15E-03	No

Table 20 Radionuclides in Rainwater (excluding tritium) (continued)

Radionuclide: Gross Beta

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Onsite				
Burial Ground North	9-Dec-15	4.59E-01	5.01E-01	No
Site Perimeter				
Allendale Gate	9-Dec-15	2.26E-01	4.84E-01	No
Barnwell Gate	9-Dec-15	9.84E-01	5.55E-01	No
D-Area	9-Dec-15	7.43E-01	5.30E-01	No
Darkhorse @ Williston Gate	9-Dec-15	1.19E+00	5.75E-01	No
East Talatha	9-Dec-15	9.49E-01	5.68E-01	No
Green Pond	9-Dec-15	1.41E+00	5.85E-01	No
Highway 21/167	9-Dec-15	1.74E+00	6.16E-01	Yes
Jackson	9-Dec-15	7.86E-01	5.26E-01	No
Patterson Mill Road	9-Dec-15	2.84E+00	9.86E-01	Yes
Talatha Gate	9-Dec-15	1.22E+00	5.74E-01	No
25-Mile Radius				
Aiken Airport	10-Dec-15	1.65E+00	6.09E-01	No
Augusta Lock and Dam 614	10-Dec-15	-1.96E-01	4.47E-01	No
Highway 301 @ State Line	10-Dec-15	1.74E-01	4.73E-01	No

Table 20 Radionuclides in Rainwater (excluding tritium) (continued)

Radionuclide: Gross Alpha

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Onsite				
Burial Ground North	9-Dec-15	4.27E-02	1.60E-01	No
Site Perimeter				
Allendale Gate	9-Dec-15	1.97E-01	2.22E-01	No
Barnwell Gate	9-Dec-15	1.95E-01	2.21E-01	No
D-Area	9-Dec-15	4.19E-02	1.59E-01	No
Darkhorse @ Williston Gate	9-Dec-15	2.18E-01	2.47E-01	No
East Talatha	9-Dec-15	6.54E-01	3.47E-01	No
Green Pond	9-Dec-15	4.11E-02	1.60E-01	No
Highway 21/167	9-Dec-15	1.95E-01	2.23E-01	No
Jackson	9-Dec-15	-1.11E-01	4.40E-02	No
Patterson Mill Road	9-Dec-15	3.86E-02	1.59E-01	No
Talatha Gate	9-Dec-15	4.11E-02	1.59E-01	No
25-Mile Radius				
Aiken Airport	10-Dec-15	1.95E-01	2.22E-01	No
Augusta Lock and Dam 614	10-Dec-15	3.49E-01	2.69E-01	No
Highway 301 @ State Line	10-Dec-15	4.27E-02	1.59E-01	No

Table 21 Thermoluminescent Dosimeter (TLD) Data

Location	Quarter 1 mR/day	Quarter 2 mR/day	Quarter 3 mR/day	Quarter 4 mR/day	Annual Total mR/year
Barnwell	0.30	0.29	0.28	0.33	109
Beech Island	0.36	0.33	0.34	0.36	127
Girard	0.34	0.38	0.32	0.36	127
Jackson	0.31	0.27	0.24	0.30	101.5
Martin	0.31	0.31	0.26	0.33	109.6
McBean	0.28	0.29	0.23	0.31	98.9
New Ellenton	0.32	0.30	0.28	0.33	111
Williston	0.38	0.32	0.34	0.39	129
Windsor	0.28	0.26	0.24	0.29	97.8
PP_15	0.25	0.26	0.24	0.30	94.7
PP_42	0.24	0.26	0.23	0.27	90.4
PP_48	0.21	0.24	0.21	0.26	83.3
PP_51	0.23	0.25	0.22	0.29	89.7
PP_57D	0.21	0.24	0.23	0.27	85.7
PP_61B	0.21	0.25	0.21	0.27	85.6
PP_65D	0.28	0.32	0.25	0.31	104.0
PP_72B	0.22	0.26	0.20	0.26	84.5
PP_75D	0.20	0.23	0.18	0.24	76.1
BGN	0.38	0.38	0.34	0.42	137
Allendale Gate	0.19	0.22	0.17	0.25	74.0
Barnwell Gate	0.26	0.26	0.23	0.27	93.0
D-Area	0.21	0.26	0.22	0.27	86.5
Dark Horse	0.23	0.24	0.21	0.27	85.1
East Talatha	0.21	0.23	0.19	0.24	79.1
Green Pond	0.29	0.29	0.28	0.35	110
Hwy 21/167	0.32	0.33	0.26	0.34	113
Jackson	0.26	0.31	0.27	0.32	104.6
Patterson Mill Rd	0.21	0.24	0.20	0.25	81.9
Talatha Gate	0.28	0.28	0.23	0.30	98.4
Aiken Airport	0.25	0.29	0.21	0.26	88.5
Augusta Lock & Dam	0.28	0.26	0.26	0.29	101.8
Hwy 301	0.25	0.29	0.25	0.30	98.7

Table 21 Thermoluminescent Dosimeter (TLD) Data (continued)

Location	Quarter 1 mR/day	Quarter 2 mR/day	Quarter 3 mR/day	Quarter 4 mR/day	Annual Total mR/year
GAP_1H	0.23	0.24	0.20	0.24	82.8
GAP_1L	0.21	0.23	0.20	0.26	81.3
GAP_2H	0.22	0.24	0.20	0.28	85.4
GAP_2L	0.23	0.26	0.20	0.26	85.8
GAP_3H	0.26	0.27	0.24	0.29	97.1
GAP_3L	0.25	0.28	0.25	0.29	96.6
GAP_4H	0.27	0.28	0.28	0.30	102
GAP_4L	0.27	0.30	0.28	0.31	104.6
GAP_5H	0.20	0.23	0.20	0.27	81.4
GAP_5L	0.22	0.23	0.22	0.24	82.0
NRC_1	0.29	0.33	0.27	0.32	109
NRC_2	0.19	0.20	0.18	0.24	73.1
NRC_3	0.20	0.22	0.18	0.24	75.9
NRC_4	0.25	0.26	0.23	0.28	91.9
NRC_5	0.28	0.33	0.28	0.34	110
NRC_6	0.24	0.25	0.22	0.27	88.0
NRC_7	0.18	0.25	0.22	0.27	83.2
NRC_8	0.24	0.24	0.23	0.27	88.5

KEY	
	Population Centers
	Site Perimeter
	Stations
	Air Surveillance
	Stations
	Plant Vogtle Vicinity

NOTES:

1. mR – milliRoentgen, exposure unit for gamma radiation
2. Although the TLD is an integrating device, the derived unit mR/day is used to facilitate comparison between locations or through time at a single location
3. An 18% uncertainty is associated with each result.

Table 22 Radionuclides in Soil

Radionuclide: Co-60

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
F-Area				
2000 Feet West	27-Jan-15	-1.29E-02	1.02E-02	No
H-Area				
2000 Feet East	27-Jan-15	-6.14E-03	8.92E-03	No
Z-Area				
#3	27-Jan-15	1.78E-02	1.32E-02	No
Burial Ground				
643-26E-2	26-Jan-15	8.68E-03	1.91E-02	No
Burial Ground North	26-Jan-15	1.21E-02	1.67E-02	No
Plant Perimeter				
Allendale Gate	26-Jan-15	-1.37E-04	1.21E-02	No
Barnwell Gate	26-Jan-15	-3.54E-03	1.00E-02	No
D-Area	27-Jan-15	2.52E-02	1.20E-02	No
Darkhorse @ Williston Gate	26-Jan-15	-1.74E-04	8.18E-03	No
East Talatha	26-Jan-15	9.81E-03	1.12E-02	No
Green Pond	27-Jan-15	5.73E-03	9.56E-03	No
Highway 21/167	26-Jan-15	5.76E-03	1.06E-02	No
Jackson	27-Jan-15	5.51E-04	8.96E-03	No
Patterson Mill Road	26-Jan-15	1.99E-02	1.09E-02	No
Talatha Gate	26-Jan-15	5.41E-03	1.02E-02	No
25-Mile Radius				
Aiken Airport	27-Jan-15	4.22E-03	1.05E-02	No
Augusta Lock and Dam 614	27-Jan-15	9.41E-04	1.22E-02	No
Highway 301 @ State Line	27-Jan-15	2.64E-02	1.21E-02	No

Table 22 Radionuclides in Soil (continued)

Radionuclide: Cs-137

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
F-Area				
2000 Feet West	27-Jan-15	1.23E-01	2.35E-02	Yes
H-Area				
2000 Feet East	27-Jan-15	2.66E-01	2.83E-02	Yes
Z-Area				
#3	27-Jan-15	3.51E-01	3.35E-02	Yes
Burial Ground				
643-26E-2	26-Jan-15	-1.85E-02	2.60E-02	No
Burial Ground North	26-Jan-15	1.29E-01	4.36E-02	Yes
Plant Perimeter				
Allendale Gate	26-Jan-15	2.38E-01	3.01E-02	Yes
Barnwell Gate	26-Jan-15	1.03E-01	2.12E-02	Yes
D-Area	27-Jan-15	2.54E-01	3.44E-02	Yes
Darkhorse @ Williston Gate	26-Jan-15	3.70E-01	3.32E-02	Yes
East Talatha	26-Jan-15	2.23E-01	2.45E-02	Yes
Green Pond	27-Jan-15	1.86E-01	2.55E-02	Yes
Highway 21/167	26-Jan-15	2.53E-01	2.67E-02	Yes
Jackson	27-Jan-15	2.31E-01	3.01E-02	Yes
Patterson Mill Road	26-Jan-15	3.11E-01	3.68E-02	Yes
Talatha Gate	26-Jan-15	1.45E-01	2.22E-02	Yes
25-Mile Radius				
Aiken Airport	27-Jan-15	1.04E-01	1.70E-02	Yes
Augusta Lock and Dam 614	27-Jan-15	1.65E-01	2.35E-02	Yes
Highway 301 @ State Line	27-Jan-15	1.51E-01	2.73E-02	Yes

Table 22 Radionuclides in Soil (continued)

Radionuclide: Sr-89/90

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
F-Area				
2000 Feet West	27-Jan-15	3.57E-02	3.59E-02	No
H-Area				
2000 Feet East	27-Jan-15	3.57E-02	3.42E-02	No
Z-Area				
#3	27-Jan-15	1.04E-01	6.16E-02	No
Burial Ground				
643-26E-2	26-Jan-15	6.03E-02	3.66E-02	No
Burial Ground North	26-Jan-15	-2.78E-03	1.91E-02	No
Plant Perimeter				
Allendale Gate	26-Jan-15	1.30E-02	2.80E-02	No
Barnwell Gate	26-Jan-15	-3.84E-02	4.55E-02	No
D-Area	27-Jan-15	1.34E-01	2.42E-02	Yes
Darkhorse @ Williston Gate	26-Jan-15	6.54E-02	5.23E-02	No
East Talatha	26-Jan-15	1.07E-01	6.38E-02	No
Green Pond	27-Jan-15	-4.57E-02	4.02E-02	No
Highway 21/167	26-Jan-15	6.11E-02	3.45E-02	No
Jackson	27-Jan-15	3.43E-02	3.29E-02	No
Patterson Mill Road	26-Jan-15	-7.65E-03	4.29E-02	No
Talatha Gate	26-Jan-15	3.76E-02	5.36E-02	No
25-Mile Radius				
Aiken Airport	27-Jan-15	7.46E-02	3.65E-02	No
Augusta Lock and Dam 614	27-Jan-15	-1.49E-02	3.86E-02	No
Highway 301 @ State Line	27-Jan-15	1.68E-02	4.06E-02	No

Table 22 Radionuclides in Soil (continued)

Radionuclide: U-234

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
F-Area				
2000 Feet West	27-Jan-15	9.05E-01	7.70E-02	Yes
H-Area				
2000 Feet East	27-Jan-15	1.08E+00	9.13E-02	Yes
Z-Area				
#3	27-Jan-15	6.08E-01	5.44E-02	Yes
Burial Ground				
643-26E-2	26-Jan-15	3.73E+00	2.59E-01	Yes
Burial Ground North	26-Jan-15	1.32E+00	9.86E-02	Yes
Plant Perimeter				
Allendale Gate	26-Jan-15	5.22E-01	5.30E-02	Yes
Barnwell Gate	26-Jan-15	5.05E-01	4.63E-02	Yes
D-Area	27-Jan-15	8.59E-01	7.01E-02	Yes
Darkhorse @ Williston Gate	26-Jan-15	7.59E-01	6.56E-02	Yes
East Talatha	26-Jan-15	9.16E-01	7.50E-02	Yes
Green Pond	27-Jan-15	7.57E-01	6.70E-02	Yes
Highway 21/167	26-Jan-15	8.65E-01	7.05E-02	Yes
Jackson	27-Jan-15	5.78E-01	5.19E-02	Yes
Patterson Mill Road	26-Jan-15	7.97E-01	6.74E-02	Yes
Talatha Gate	26-Jan-15	5.65E-01	4.95E-02	Yes
25-Mile Radius				
Aiken Airport	27-Jan-15	4.81E-01	5.10E-02	Yes
Augusta Lock and Dam 614	27-Jan-15	1.20E+00	9.28E-02	Yes
Highway 301 @ State Line	27-Jan-15	1.79E+00	1.34E-01	Yes

Table 22 Radionuclides in Soil (continued)

Radionuclide: U-235

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
F-Area				
2000 Feet West	27-Jan-15	6.35E-02	1.47E-02	Yes
H-Area				
2000 Feet East	27-Jan-15	4.73E-02	1.32E-02	Yes
Z-Area				
#3	27-Jan-15	1.61E-02	6.79E-03	Yes
Burial Ground				
643-26E-2	26-Jan-15	1.82E-01	2.57E-02	Yes
Burial Ground North	26-Jan-15	8.68E-02	1.57E-02	Yes
Plant Perimeter				
Allendale Gate	26-Jan-15	1.52E-02	8.43E-03	No
Barnwell Gate	26-Jan-15	3.08E-03	3.97E-03	No
D-Area	27-Jan-15	4.03E-02	1.06E-02	Yes
Darkhorse @ Williston Gate	26-Jan-15	4.81E-02	1.24E-02	Yes
East Talatha	26-Jan-15	7.68E-02	1.54E-02	Yes
Green Pond	27-Jan-15	3.68E-02	1.11E-02	Yes
Highway 21/167	26-Jan-15	5.76E-02	1.28E-02	Yes
Jackson	27-Jan-15	3.41E-02	9.86E-03	Yes
Patterson Mill Road	26-Jan-15	3.24E-02	9.82E-03	Yes
Talatha Gate	26-Jan-15	2.15E-02	7.48E-03	Yes
25-Mile Radius				
Aiken Airport	27-Jan-15	2.62E-02	1.02E-02	Yes
Augusta Lock and Dam 614	27-Jan-15	5.03E-02	1.19E-02	Yes
Highway 301 @ State Line	27-Jan-15	8.38E-02	1.66E-02	Yes

Table 22 Radionuclides in Soil (continued)

Radionuclide: Np-237

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
F-Area				
2000 Feet West	27-Jan-15	6.70E-04	4.93E-04	No
H-Area				
2000 Feet East	27-Jan-15	-1.11E-04	3.88E-04	No
Z-Area				
#3	27-Jan-15	3.30E-04	4.11E-04	No
Burial Ground				
643-26E-2	26-Jan-15	4.24E-04	3.16E-04	No
Burial Ground North	26-Jan-15	-5.59E-04	3.25E-04	No
Plant Perimeter				
Allendale Gate	26-Jan-15	1.12E-04	4.05E-04	No
Barnwell Gate	26-Jan-15	9.57E-05	3.45E-04	No
D-Area	27-Jan-15	1.33E-04	5.13E-04	No
Darkhorse @ Williston Gate	26-Jan-15	2.55E-04	2.56E-04	No
East Talatha	26-Jan-15	0.00E+00	4.09E-04	No
Green Pond	27-Jan-15	-3.81E-04	2.72E-04	No
Highway 21/167	26-Jan-15	-2.31E-04	2.32E-04	No
Jackson	27-Jan-15	-1.87E-04	1.88E-04	No
Patterson Mill Road	26-Jan-15	4.14E-04	4.85E-04	No
Talatha Gate	26-Jan-15	6.46E-04	4.60E-04	No
25-Mile Radius				
Aiken Airport	27-Jan-15	-2.24E-04	2.07E-04	No
Augusta Lock and Dam 614	27-Jan-15	6.78E-04	5.71E-04	No
Highway 301 @ State Line	27-Jan-15	7.41E-04	4.43E-04	No

Table 22 Radionuclides in Soil (continued)

Radionuclide: U-238

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
F-Area				
2000 Feet West	27-Jan-15	9.30E-01	7.57E-02	Yes
H-Area				
2000 Feet East	27-Jan-15	1.06E+00	8.67E-02	Yes
Z-Area				
#3	27-Jan-15	5.22E-01	4.70E-02	Yes
Burial Ground				
643-26E-2	26-Jan-15	3.73E+00	2.47E-01	Yes
Burial Ground North	26-Jan-15	1.42E+00	1.01E-01	Yes
Plant Perimeter				
Allendale Gate	26-Jan-15	4.38E-01	4.59E-02	Yes
Barnwell Gate	26-Jan-15	5.14E-01	4.56E-02	Yes
D-Area	27-Jan-15	8.30E-01	6.60E-02	Yes
Darkhorse @ Williston Gate	26-Jan-15	7.92E-01	6.57E-02	Yes
East Talatha	26-Jan-15	1.01E+00	7.81E-02	Yes
Green Pond	27-Jan-15	7.30E-01	6.30E-02	Yes
Highway 21/167	26-Jan-15	8.81E-01	6.92E-02	Yes
Jackson	27-Jan-15	6.76E-01	5.64E-02	Yes
Patterson Mill Road	26-Jan-15	8.73E-01	7.03E-02	Yes
Talatha Gate	26-Jan-15	7.24E-01	5.82E-02	Yes
25-Mile Radius				
Aiken Airport	27-Jan-15	4.89E-01	5.02E-02	Yes
Augusta Lock and Dam 614	27-Jan-15	1.06E+00	8.04E-02	Yes
Highway 301 @ State Line	27-Jan-15	1.76E+00	1.27E-01	Yes

Table 22 Radionuclides in Soil (continued)

Radionuclide: Pu-238

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
F-Area				
2000 Feet West	27-Jan-15	3.03E-02	4.16E-03	Yes
H-Area				
2000 Feet East	27-Jan-15	6.76E-03	1.48E-03	Yes
Z-Area				
#3	27-Jan-15	1.65E-03	7.21E-04	Yes
Burial Ground				
643-26E-2	26-Jan-15	2.95E-04	3.44E-04	No
Burial Ground North	26-Jan-15	2.60E-03	9.24E-04	Yes
Plant Perimeter				
Allendale Gate	26-Jan-15	1.09E-03	7.23E-04	No
Barnwell Gate	26-Jan-15	8.59E-04	5.01E-04	No
D-Area	27-Jan-15	3.24E-03	1.28E-03	Yes
Darkhorse @ Williston Gate	26-Jan-15	0.00E+00	3.46E-04	No
East Talatha	26-Jan-15	6.84E-04	4.87E-04	No
Green Pond	27-Jan-15	4.38E-04	5.68E-04	No
Highway 21/167	26-Jan-15	1.39E-03	7.03E-04	No
Jackson	27-Jan-15	1.64E-03	7.07E-04	Yes
Patterson Mill Road	26-Jan-15	8.92E-04	5.49E-04	No
Talatha Gate	26-Jan-15	3.22E-04	3.24E-04	No
25-Mile Radius				
Aiken Airport	27-Jan-15	1.04E-04	6.78E-04	No
Augusta Lock and Dam 614	27-Jan-15	1.17E-03	5.88E-04	No
Highway 301 @ State Line	27-Jan-15	5.03E-04	3.57E-04	No

Table 22 Radionuclides in Soil (continued)

Radionuclide: Pu-239

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
F-Area				
2000 Feet West	27-Jan-15	4.03E-02	5.08E-03	Yes
H-Area				
2000 Feet East	27-Jan-15	1.04E-01	1.00E-02	Yes
Z-Area				
#3	27-Jan-15	1.25E-02	2.10E-03	Yes
Burial Ground				
643-26E-2	26-Jan-15	1.29E-03	5.47E-04	Yes
Burial Ground North	26-Jan-15	7.46E-03	1.55E-03	Yes
Plant Perimeter				
Allendale Gate	26-Jan-15	9.00E-03	1.90E-03	Yes
Barnwell Gate	26-Jan-15	2.65E-03	9.40E-04	Yes
D-Area	27-Jan-15	1.24E-02	2.53E-03	Yes
Darkhorse @ Williston Gate	26-Jan-15	1.16E-02	1.93E-03	Yes
East Talatha	26-Jan-15	8.81E-03	1.88E-03	Yes
Green Pond	27-Jan-15	6.59E-03	1.58E-03	Yes
Highway 21/167	26-Jan-15	1.32E-02	2.43E-03	Yes
Jackson	27-Jan-15	7.03E-03	1.53E-03	Yes
Patterson Mill Road	26-Jan-15	8.89E-03	1.81E-03	Yes
Talatha Gate	26-Jan-15	3.95E-03	1.21E-03	Yes
25-Mile Radius				
Aiken Airport	27-Jan-15	3.38E-03	1.06E-03	Yes
Augusta Lock and Dam 614	27-Jan-15	5.97E-03	1.29E-03	Yes
Highway 301 @ State Line	27-Jan-15	5.73E-03	1.28E-03	Yes

Table 22 Radionuclides in Soil (continued)

Radionuclide: Am-241

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
F-Area				
2000 Feet West	27-Jan-15	6.22E-03	1.41E-03	Yes
H-Area				
2000 Feet East	27-Jan-15	9.46E-03	1.72E-03	Yes
Z-Area				
#3	27-Jan-15	5.05E-03	1.14E-03	Yes
Burial Ground				
643-26E-2	26-Jan-15	1.62E-01	1.09E-02	Yes
Burial Ground North	26-Jan-15	8.22E-04	5.45E-04	No
Plant Perimeter				
Barnwell Gate	26-Jan-15	1.10E-03	6.20E-04	No
Darkhorse @ Williston Gate	26-Jan-15	4.08E-03	1.09E-03	Yes
East Talatha	26-Jan-15	2.92E-03	9.40E-04	Yes
Highway 21/167	26-Jan-15	2.76E-03	8.92E-04	Yes
Talatha Gate	26-Jan-15	1.45E-03	5.98E-04	Yes
25-Mile Radius				
Aiken Airport	27-Jan-15	2.14E-03	8.20E-04	Yes
Highway 301 @ State Line	27-Jan-15	2.76E-03	8.15E-04	Yes

Table 22 Radionuclides in Soil (continued)

Radionuclide: Cm-244

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
F-Area				
2000 Feet West	27-Jan-15	1.22E-03	6.12E-04	No
H-Area				
2000 Feet East	27-Jan-15	5.49E-04	3.89E-04	No
Z-Area				
#3	27-Jan-15	-1.64E-04	1.66E-04	No
Burial Ground				
643-26E-2	26-Jan-15	2.81E-02	2.76E-03	Yes
Burial Ground North	26-Jan-15	1.95E-04	2.34E-04	No
Plant Perimeter				
Barnwell Gate	26-Jan-15	0.00E+00	2.83E-04	No
Darkhorse @ Williston Gate	26-Jan-15	9.32E-05	3.36E-04	No
East Talatha	26-Jan-15	5.97E-04	4.24E-04	No
Highway 21/167	26-Jan-15	-9.46E-05	3.91E-04	No
Talatha Gate	26-Jan-15	-1.65E-04	1.66E-04	No
25-Mile Radius				
Aiken Airport	27-Jan-15	0.00E+00	3.98E-04	No
Highway 301 @ State Line	27-Jan-15	0.00E+00	2.82E-04	No

Table 22 Radionuclides in Soil (continued)

Radionuclide: Gross Beta

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
F-Area				
2000 Feet West	27-Jan-15	2.57E+00	1.22E+00	No
H-Area				
2000 Feet East	27-Jan-15	8.03E+00	1.59E+00	Yes
Z-Area				
#3	27-Jan-15	4.43E+00	1.36E+00	Yes
Burial Ground				
643-26E-2	26-Jan-15	1.74E+01	2.11E+00	Yes
Burial Ground North	26-Jan-15	9.95E+00	1.71E+00	Yes
Plant Perimeter				
Allendale Gate	26-Jan-15	5.43E+00	1.41E+00	Yes
Barnwell Gate	26-Jan-15	4.22E+00	1.35E+00	Yes
D-Area	27-Jan-15	1.25E+01	1.83E+00	Yes
Darkhorse @ Williston Gate	26-Jan-15	4.97E+00	1.40E+00	Yes
East Talatha	26-Jan-15	3.97E+00	1.33E+00	Yes
Green Pond	27-Jan-15	4.97E+00	1.42E+00	Yes
Highway 21/167	26-Jan-15	5.95E+00	1.48E+00	Yes
Jackson	27-Jan-15	4.00E+00	1.32E+00	Yes
Patterson Mill Road	26-Jan-15	3.89E+00	1.32E+00	Yes
Talatha Gate	26-Jan-15	6.03E+00	1.46E+00	Yes
25-Mile Radius				
Aiken Airport	27-Jan-15	2.67E+00	1.21E+00	No
Augusta Lock and Dam 614	27-Jan-15	1.10E+01	1.75E+00	Yes
Highway 301 @ State Line	27-Jan-15	1.04E+01	1.73E+00	Yes

Table 22 Radionuclides in Soil (continued)

Radionuclide: Gross Alpha

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
F-Area				
2000 Feet West	27-Jan-15	3.59E+00	1.26E+00	Yes
H-Area				
2000 Feet East	27-Jan-15	7.59E+00	1.70E+00	Yes
Z-Area				
#3	27-Jan-15	6.38E+00	1.55E+00	Yes
Burial Ground				
643-26E-2	26-Jan-15	2.17E+01	3.02E+00	Yes
Burial Ground North	26-Jan-15	1.17E+01	2.08E+00	Yes
Plant Perimeter				
Allendale Gate	26-Jan-15	1.30E+00	7.65E-01	No
Barnwell Gate	26-Jan-15	1.24E+00	9.78E-01	No
D-Area	27-Jan-15	1.01E+01	1.90E+00	Yes
Darkhorse @ Williston Gate	26-Jan-15	6.86E+00	1.62E+00	Yes
East Talatha	26-Jan-15	4.54E+00	1.36E+00	Yes
Green Pond	27-Jan-15	7.92E+00	1.93E+00	Yes
Highway 21/167	26-Jan-15	6.78E+00	1.66E+00	Yes
Jackson	27-Jan-15	3.62E+00	1.21E+00	Yes
Patterson Mill Road	26-Jan-15	2.86E+00	1.16E+00	Yes
Talatha Gate	26-Jan-15	3.38E+00	1.19E+00	Yes
25-Mile Radius				
Aiken Airport	27-Jan-15	8.89E-01	7.04E-01	No
Augusta Lock and Dam 614	27-Jan-15	6.84E+00	1.61E+00	Yes
Highway 301 @ State Line	27-Jan-15	1.14E+01	2.05E+00	Yes

Table 23 Radionuclides in Grassy Vegetation**Radionuclide: H-3 (tritium)**

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Onsite				
Burial Ground North	22-Apr-15	1.16E+00	2.69E-02	Yes
Site Perimeter				
Allendale Gate	21-Apr-15	5.11E-03	1.67E-02	No
Barnwell Gate	20-Apr-15	5.19E-03	1.48E-02	No
D-Area	21-Apr-15	4.30E-02	1.97E-02	No
Darkhorse @ Williston Gate	22-Apr-15	7.89E-02	1.90E-02	Yes
East Talatha	22-Apr-15	4.95E-02	1.88E-02	No
Green Pond	20-Apr-15	4.76E-03	1.23E-02	No
Highway 21/167	20-Apr-15	1.52E-02	1.50E-02	No
Jackson	20-Apr-15	-1.09E-02	1.70E-02	No
Patterson Mill Road	21-Apr-15	1.76E-01	8.92E-03	Yes
Talatha Gate	22-Apr-15	5.35E-02	1.63E-02	Yes
25-Mile Radius				
Aiken Airport	22-Apr-15	3.08E-02	1.45E-02	No
Augusta Lock and Dam 614	22-Apr-15	1.81E-02	2.17E-02	No
Highway 301 @ State Line	21-Apr-15	4.19E-02	1.86E-02	No

Radionuclide: Co-60

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Onsite				
Burial Ground North	22-Apr-15	2.95E-02	3.32E-02	No
Site Perimeter				
Allendale Gate	21-Apr-15	2.92E-02	1.51E-02	No
Barnwell Gate	20-Apr-15	1.68E-02	1.47E-02	No
D-Area	21-Apr-15	-4.32E-03	2.72E-02	No
Darkhorse @ Williston Gate	22-Apr-15	-5.22E-02	2.08E-02	No
East Talatha	22-Apr-15	1.51E-02	2.46E-02	No
Green Pond	20-Apr-15	-3.22E-03	1.33E-02	No
Highway 21/167	20-Apr-15	1.11E-02	1.49E-02	No
Jackson	20-Apr-15	-8.11E-03	1.55E-02	No
Patterson Mill Road	21-Apr-15	7.54E-03	1.18E-02	No
Talatha Gate	22-Apr-15	-1.02E-02	2.13E-02	No
25-Mile Radius				
Aiken Airport	22-Apr-15	3.97E-03	1.74E-02	No
Augusta Lock and Dam 614	22-Apr-15	8.51E-03	1.94E-02	No
Highway 301 @ State Line	21-Apr-15	-6.30E-03	2.45E-02	No

Table 23 Radionuclides in Grassy Vegetation (continued)

Radionuclide: Cs-137

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Onsite				
Burial Ground North	22-Apr-15	-9.76E-03	3.35E-02	No
Site Perimeter				
Allendale Gate	21-Apr-15	5.00E-01	5.14E-02	Yes
Barnwell Gate	20-Apr-15	1.75E-01	3.50E-02	Yes
D-Area	21-Apr-15	1.32E-02	2.49E-02	No
Darkhorse @ Williston Gate	22-Apr-15	1.49E-01	3.12E-02	Yes
East Talatha	22-Apr-15	2.81E-01	4.55E-02	Yes
Green Pond	20-Apr-15	6.95E-02	1.83E-02	Yes
Highway 21/167	20-Apr-15	4.43E-01	5.10E-02	Yes
Jackson	20-Apr-15	1.32E-01	2.34E-02	Yes
Patterson Mill Road	21-Apr-15	1.48E-01	2.50E-02	Yes
Talatha Gate	22-Apr-15	4.54E-02	2.22E-02	No
25-Mile Radius				
Aiken Airport	22-Apr-15	1.24E-01	2.68E-02	Yes
Augusta Lock and Dam 614	22-Apr-15	3.32E-02	1.98E-02	No
Highway 301 @ State Line	21-Apr-15	2.56E-01	4.62E-02	Yes

Radionuclide: Sr-89/90

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Onsite				
Burial Ground North	22-Apr-15	1.10E-01	2.06E-02	Yes
Site Perimeter				
Allendale Gate	21-Apr-15	2.06E-01	2.61E-02	Yes
Barnwell Gate	20-Apr-15	1.48E-01	1.89E-02	Yes
D-Area	21-Apr-15	1.92E-01	2.28E-02	Yes
Darkhorse @ Williston Gate	22-Apr-15	1.01E-01	1.60E-02	Yes
East Talatha	22-Apr-15	5.11E-01	4.42E-02	Yes
Green Pond	20-Apr-15	1.74E-01	1.96E-02	Yes
Highway 21/167	20-Apr-15	2.19E-01	2.35E-02	Yes
Jackson	20-Apr-15	2.89E-01	2.67E-02	Yes
Patterson Mill Road	21-Apr-15	2.92E-01	2.68E-02	Yes
Talatha Gate	22-Apr-15	1.77E-01	2.02E-02	Yes
25-Mile Radius				
Aiken Airport	22-Apr-15	2.60E-01	2.70E-02	Yes
Augusta Lock and Dam 614	22-Apr-15	1.69E-01	1.99E-02	Yes
Highway 301 @ State Line	21-Apr-15	1.05E-01	1.72E-02	Yes

Table 23 Radionuclides in Grassy Vegetation (continued)

Radionuclide: U-234

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Onsite				
Burial Ground North	22-Apr-15	1.26E-02	1.38E-03	Yes
Site Perimeter				
Allendale Gate	21-Apr-15	5.43E-03	8.59E-04	Yes
Barnwell Gate	20-Apr-15	8.22E-04	3.50E-04	Yes
D-Area	21-Apr-15	1.09E-03	3.82E-04	Yes
Darkhorse @ Williston Gate	22-Apr-15	1.66E-03	4.54E-04	Yes
East Talatha	22-Apr-15	1.12E-03	4.04E-04	Yes
Green Pond	20-Apr-15	3.24E-03	6.28E-04	Yes
Highway 21/167	20-Apr-15	6.19E-04	2.80E-04	Yes
Jackson	20-Apr-15	3.41E-03	6.58E-04	Yes
Patterson Mill Road	21-Apr-15	1.87E-03	4.51E-04	Yes
Talatha Gate	22-Apr-15	2.30E-03	5.29E-04	Yes
25-Mile Radius				
Aiken Airport	22-Apr-15	1.26E-03	3.92E-04	Yes
Augusta Lock and Dam 614	22-Apr-15	6.38E-03	9.32E-04	Yes
Highway 301 @ State Line	21-Apr-15	4.11E-03	7.05E-04	Yes

Radionuclide: U-235

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Onsite				
Burial Ground North	22-Apr-15	1.08E-03	3.69E-04	Yes
Site Perimeter				
Allendale Gate	21-Apr-15	3.03E-04	2.43E-04	No
Barnwell Gate	20-Apr-15	4.49E-05	1.62E-04	No
D-Area	21-Apr-15	1.28E-04	1.28E-04	No
Darkhorse @ Williston Gate	22-Apr-15	3.73E-04	2.17E-04	No
East Talatha	22-Apr-15	0.00E+00	1.46E-04	No
Green Pond	20-Apr-15	2.45E-04	1.74E-04	No
Highway 21/167	20-Apr-15	-1.65E-04	1.17E-04	No
Jackson	20-Apr-15	4.14E-05	1.49E-04	No
Patterson Mill Road	21-Apr-15	1.53E-04	1.80E-04	No
Talatha Gate	22-Apr-15	3.84E-04	2.24E-04	No
25-Mile Radius				
Aiken Airport	22-Apr-15	1.70E-04	2.00E-04	No
Augusta Lock and Dam 614	22-Apr-15	3.92E-04	2.28E-04	No
Highway 301 @ State Line	21-Apr-15	2.45E-04	1.75E-04	No

Table 23 Radionuclides in Grassy Vegetation (continued)**Radionuclide: Np-237**

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Onsite				
Burial Ground North	22-Apr-15	-1.65E-05	1.89E-05	No
Site Perimeter				
Allendale Gate	21-Apr-15	2.40E-04	2.09E-04	No
Barnwell Gate	20-Apr-15	-1.63E-04	1.04E-04	No
D-Area	21-Apr-15	1.50E-05	1.16E-04	No
Darkhorse @ Williston Gate	22-Apr-15	3.41E-04	1.85E-04	No
East Talatha	22-Apr-15	7.22E-05	9.24E-05	No
Green Pond	20-Apr-15	-4.81E-05	1.32E-04	No
Highway 21/167	20-Apr-15	4.76E-04	2.29E-04	No
Jackson	20-Apr-15	-1.50E-04	9.44E-05	No
Patterson Mill Road	21-Apr-15	-4.84E-05	1.33E-04	No
Talatha Gate	22-Apr-15	-1.65E-04	1.05E-04	No
25-Mile Radius				
Aiken Airport	22-Apr-15	1.11E-04	1.53E-04	No
Augusta Lock and Dam 614	22-Apr-15	-7.89E-05	6.40E-05	No
Highway 301 @ State Line	21-Apr-15	7.11E-05	9.13E-05	No

Radionuclide: U-238

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Onsite				
Burial Ground North	22-Apr-15	1.19E-02	1.32E-03	Yes
Site Perimeter				
Allendale Gate	21-Apr-15	8.03E-03	1.06E-03	Yes
Barnwell Gate	20-Apr-15	6.78E-04	3.02E-04	Yes
D-Area	21-Apr-15	1.55E-03	4.15E-04	Yes
Darkhorse @ Williston Gate	22-Apr-15	1.63E-03	4.33E-04	Yes
East Talatha	22-Apr-15	1.49E-03	4.58E-04	Yes
Green Pond	20-Apr-15	3.59E-03	6.49E-04	Yes
Highway 21/167	20-Apr-15	1.12E-03	3.62E-04	Yes
Jackson	20-Apr-15	5.14E-03	7.97E-04	Yes
Patterson Mill Road	21-Apr-15	1.44E-03	4.05E-04	Yes
Talatha Gate	22-Apr-15	2.78E-03	5.68E-04	Yes
25-Mile Radius				
Aiken Airport	22-Apr-15	2.61E-03	5.57E-04	Yes
Augusta Lock and Dam 614	22-Apr-15	6.05E-03	8.92E-04	Yes
Highway 301 @ State Line	21-Apr-15	3.41E-03	6.30E-04	Yes

Table 23 Radionuclides in Grassy Vegetation (continued)

Radionuclide: Pu-238

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Onsite				
Burial Ground North	22-Apr-15	-4.89E-06	5.62E-06	No
Site Perimeter				
Allendale Gate	21-Apr-15	-4.89E-06	6.13E-06	No
Barnwell Gate	20-Apr-15	3.16E-05	1.32E-04	No
D-Area	21-Apr-15	5.57E-04	2.36E-04	Yes
Darkhorse @ Williston Gate	22-Apr-15	8.38E-05	8.96E-05	No
East Talatha	22-Apr-15	8.32E-05	8.88E-05	No
Green Pond	20-Apr-15	-1.62E-04	1.58E-04	No
Highway 21/167	20-Apr-15	3.86E-04	1.99E-04	No
Jackson	20-Apr-15	9.43E-05	1.00E-04	No
Patterson Mill Road	21-Apr-15	-6.84E-05	6.36E-05	No
Talatha Gate	22-Apr-15	2.16E-04	1.59E-04	No
25-Mile Radius				
Aiken Airport	22-Apr-15	-4.89E-06	5.86E-06	No
Augusta Lock and Dam 614	22-Apr-15	-1.29E-04	8.76E-05	No
Highway 301 @ State Line	21-Apr-15	-1.21E-04	8.21E-05	No

Radionuclide: Pu-239

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Onsite				
Burial Ground North	22-Apr-15	1.63E-04	1.17E-04	No
Site Perimeter				
Allendale Gate	21-Apr-15	1.07E-04	1.09E-04	No
Barnwell Gate	20-Apr-15	2.16E-04	1.55E-04	No
D-Area	21-Apr-15	9.16E-05	9.40E-05	No
Darkhorse @ Williston Gate	22-Apr-15	2.78E-05	1.06E-04	No
East Talatha	22-Apr-15	1.74E-04	1.25E-04	No
Green Pond	20-Apr-15	9.27E-05	9.48E-05	No
Highway 21/167	20-Apr-15	2.30E-03	5.34E-04	Yes
Jackson	20-Apr-15	-1.34E-04	9.36E-05	No
Patterson Mill Road	21-Apr-15	1.88E-04	1.36E-04	No
Talatha Gate	22-Apr-15	-7.51E-05	7.36E-05	No
25-Mile Radius				
Aiken Airport	22-Apr-15	2.51E-04	2.11E-04	No
Augusta Lock and Dam 614	22-Apr-15	2.76E-04	1.62E-04	No
Highway 301 @ State Line	21-Apr-15	8.49E-05	8.72E-05	No

Table 23 Radionuclides in Grassy Vegetation (continued)

Radionuclide: Am-241

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Onsite				
Burial Ground North	22-Apr-15	1.16E-04	1.43E-04	No
Site Perimeter				
Allendale Gate	21-Apr-15	1.10E-04	1.37E-04	No
Barnwell Gate	20-Apr-15	-6.19E-06	5.11E-06	No
D-Area	21-Apr-15	8.51E-05	9.17E-05	No
Darkhorse @ Williston Gate	22-Apr-15	-6.19E-06	5.16E-06	No
East Talatha	22-Apr-15	8.68E-05	9.36E-05	No
Green Pond	20-Apr-15	1.01E-04	1.27E-04	No
Highway 21/167	20-Apr-15	6.92E-04	2.52E-04	Yes
Jackson	20-Apr-15	-6.19E-06	5.14E-06	No
Patterson Mill Road	21-Apr-15	4.43E-05	1.29E-04	No
Talatha Gate	22-Apr-15	7.57E-05	8.24E-05	No
25-Mile Radius				
Aiken Airport	22-Apr-15	-6.57E-05	5.94E-05	No
Augusta Lock and Dam 614	22-Apr-15	-6.19E-06	5.13E-06	No
Highway 301 @ State Line	21-Apr-15	-6.19E-06	5.16E-06	No

Radionuclide: Cm-244

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Onsite				
Burial Ground North	22-Apr-15	8.54E-05	9.21E-05	No
Site Perimeter				
Allendale Gate	21-Apr-15	-6.11E-06	5.06E-06	No
Barnwell Gate	20-Apr-15	-6.11E-06	5.03E-06	No
D-Area	21-Apr-15	-1.28E-04	8.63E-05	No
Darkhorse @ Williston Gate	22-Apr-15	8.57E-05	9.24E-05	No
East Talatha	22-Apr-15	1.18E-04	1.46E-04	No
Green Pond	20-Apr-15	2.09E-05	9.74E-05	No
Highway 21/167	20-Apr-15	-6.43E-05	5.83E-05	No
Jackson	20-Apr-15	-6.11E-06	5.06E-06	No
Patterson Mill Road	21-Apr-15	1.92E-05	9.17E-05	No
Talatha Gate	22-Apr-15	7.59E-05	8.25E-05	No
25-Mile Radius				
Aiken Airport	22-Apr-15	-6.11E-06	5.08E-06	No
Augusta Lock and Dam 614	22-Apr-15	8.24E-05	8.88E-05	No
Highway 301 @ State Line	21-Apr-15	-6.11E-06	5.08E-06	No

Table 23 Radionuclides in Grassy Vegetation (continued)

Radionuclide: Tc-99

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Onsite				
Burial Ground North	22-Apr-15	3.62E-01	6.09E-02	Yes
Site Perimeter				
Allendale Gate	21-Apr-15	3.27E-01	6.17E-02	Yes
Barnwell Gate	20-Apr-15	2.15E-01	7.86E-02	Yes
D-Area	21-Apr-15	2.97E-01	6.45E-02	Yes
Darkhorse @ Williston Gate	22-Apr-15	3.05E-01	6.10E-02	Yes
East Talatha	22-Apr-15	3.32E-01	6.04E-02	Yes
Green Pond	20-Apr-15	1.49E+00	1.47E-01	Yes
Highway 21/167	20-Apr-15	2.63E-01	6.08E-02	Yes
Jackson	20-Apr-15	4.49E-01	8.09E-02	Yes
Patterson Mill Road	21-Apr-15	2.29E-01	5.95E-02	Yes
Talatha Gate	22-Apr-15	3.57E-01	6.15E-02	Yes
25-Mile Radius				
Aiken Airport	22-Apr-15	3.14E-01	6.04E-02	Yes
Augusta Lock and Dam 614	22-Apr-15	3.59E-01	6.36E-02	Yes
Highway 301 @ State Line	21-Apr-15	1.69E-01	5.78E-02	Yes

Radionuclide: Gross Beta

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Onsite				
Burial Ground North	22-Apr-15	1.49E+01	1.27E+00	Yes
Site Perimeter				
Allendale Gate	21-Apr-15	6.92E+00	9.17E-01	Yes
Barnwell Gate	20-Apr-15	8.62E+00	1.00E+00	Yes
D-Area	21-Apr-15	1.21E+01	1.16E+00	Yes
Darkhorse @ Williston Gate	22-Apr-15	1.08E+01	1.10E+00	Yes
East Talatha	22-Apr-15	2.06E+01	7.33E-01	Yes
Green Pond	20-Apr-15	6.78E+00	9.00E-01	Yes
Highway 21/167	20-Apr-15	9.97E+00	1.07E+00	Yes
Jackson	20-Apr-15	8.30E+00	9.82E-01	Yes
Patterson Mill Road	21-Apr-15	1.21E+01	1.17E+00	Yes
Talatha Gate	22-Apr-15	9.22E+00	1.03E+00	Yes
25-Mile Radius				
Aiken Airport	22-Apr-15	9.95E+00	1.06E+00	Yes
Augusta Lock and Dam 614	22-Apr-15	1.24E+01	1.18E+00	Yes
Highway 301 @ State Line	21-Apr-15	8.59E+00	1.00E+00	Yes

Table 23 Radionuclides in Grassy Vegetation (continued)

Radionuclide: Gross Alpha

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Onsite				
Burial Ground North	22-Apr-15	2.44E-01	3.03E-01	No
Site Perimeter				
Allendale Gate	21-Apr-15	2.37E-01	2.89E-01	No
Barnwell Gate	20-Apr-15	2.29E-01	2.81E-01	No
D-Area	21-Apr-15	6.43E-01	4.13E-01	No
Darkhorse @ Williston Gate	22-Apr-15	4.46E-02	2.11E-01	No
East Talatha	22-Apr-15	2.20E+00	3.32E-01	Yes
Green Pond	20-Apr-15	5.84E-01	3.60E-01	No
Highway 21/167	20-Apr-15	2.53E-01	3.11E-01	No
Jackson	20-Apr-15	-1.32E-01	1.05E-01	No
Patterson Mill Road	21-Apr-15	4.84E-02	2.34E-01	No
Talatha Gate	22-Apr-15	4.11E-01	3.34E-01	No
25-Mile Radius				
Aiken Airport	22-Apr-15	-1.39E-01	1.09E-01	No
Augusta Lock and Dam 614	22-Apr-15	2.70E-01	3.35E-01	No
Highway 301 @ State Line	21-Apr-15	2.34E-01	2.86E-01	No

Table 24 Radionuclides in Terrestrial Food

Terrestrial food samples are provided by members of the public. Samples are provided from locations surrounding SRS within designated quadrants from 0 to 10 miles from the SRS boundary and a control quadrant located from 10 to 25 miles from the SRS boundary in the southeast quadrant.

Radionuclide: H-3 (tritium)

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Greens				
NE Quadrant 0-10 Miles	12-Jan-15	1.09E-02	2.11E-02	No
NW Quadrant 0-10 Miles	12-Jan-15	1.49E-03	1.83E-02	No
SE Quadrant 0-10 Miles	12-Jan-15	-8.05E-03	1.73E-02	No
SE Quadrant 25 Miles	6-Jan-15	4.35E-02	1.87E-02	No
SW Quadrant 0-10 Miles	14-Jan-15	1.05E-01	1.84E-02	Yes
Fruit				
Plant Perimeter: NE Quadrant	17-Jun-15	2.47E-02	2.13E-02	No
Plant Perimeter: NW Quadrant	17-Jun-15	3.08E-02	2.14E-02	No
Plant Perimeter: SE Quadrant	16-Jun-15	-6.97E-03	2.10E-02	No
Plant Perimeter: SW Quadrant	23-Jun-15	3.16E-02	2.13E-02	No
SE Quadrant 25 Miles	8-Jun-15	4.41E-02	2.16E-02	No
Beef				
NE Quadrant 0-10 Miles	2-Jun-15	4.19E-02	2.53E-02	No
NW Quadrant 0-10 Miles	20-Apr-15	3.30E-02	2.52E-02	No
SE Quadrant 25 Miles	8-Jun-15	-5.51E-03	2.47E-02	No
Corn				
NE Quadrant 0-10 Miles	22-Jun-15	4.35E+01	1.30E+01	Yes
NW Quadrant 0-10 Miles	24-Jun-15	-1.47E+01	1.42E+01	No
SE Quadrant 0-10 Miles	23-Jun-15	-2.73E+01	1.48E+01	No
SE Quadrant 25 Miles	23-Jun-15	3.08E+01	1.64E+01	No
SW Quadrant 0-10 Miles	23-Jun-15	-3.35E+01	1.57E+01	No
Pecans				
NE Quadrant 0-10 Miles	16-Nov-15	-2.67E+00	5.96E+00	No
NW Quadrant 0-10 Miles	17-Nov-15	8.14E+00	7.43E+00	No
SE Quadrant 0-10 Miles	24-Nov-15	4.46E+00	9.52E+00	No
SE Quadrant 25 Miles	24-Nov-15	7.14E+00	7.88E+00	No
SW Quadrant 0-10 Miles	24-Nov-15	1.49E+01	8.29E+00	No

Table 24 Radionuclides in Terrestrial Food (continued)

Radionuclide: Co-60

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Greens				
NE Quadrant 0-10 Miles	12-Jan-15	-1.83E-03	4.89E-03	No
NW Quadrant 0-10 Miles	12-Jan-15	2.97E-03	5.96E-03	No
SE Quadrant 0-10 Miles	12-Jan-15	3.78E-03	3.86E-03	No
SE Quadrant 25 Miles	6-Jan-15	-7.73E-03	5.15E-03	No
SW Quadrant 0-10 Miles	14-Jan-15	-5.08E-03	5.59E-03	No
Fruit				
Plant Perimeter: NE Quadrant	17-Jun-15	1.48E-03	1.41E-03	No
Plant Perimeter: NW Quadrant	17-Jun-15	9.92E-04	1.20E-03	No
Plant Perimeter: SE Quadrant	16-Jun-15	1.12E-03	1.21E-03	No
Plant Perimeter: SW Quadrant	23-Jun-15	-1.48E-03	1.18E-03	No
SE Quadrant 25 Miles	8-Jun-15	1.72E-03	1.21E-03	No
Beef				
NE Quadrant 0-10 Miles	2-Jun-15	-5.32E-03	7.36E-03	No
NW Quadrant 0-10 Miles	20-Apr-15	-1.34E-02	7.95E-03	No
SE Quadrant 25 Miles	8-Jun-15	-7.16E-04	7.06E-03	No
Corn				
NE Quadrant 0-10 Miles	22-Jun-15	-1.27E+00	1.50E+00	No
NW Quadrant 0-10 Miles	24-Jun-15	-2.57E-01	1.47E+00	No
SE Quadrant 0-10 Miles	23-Jun-15	8.35E-01	1.52E+00	No
SE Quadrant 25 Miles	23-Jun-15	9.97E-01	1.31E+00	No
SW Quadrant 0-10 Miles	23-Jun-15	-1.31E-01	1.44E+00	No
Pecans				
NE Quadrant 0-10 Miles	16-Nov-15	3.70E+00	2.39E+00	No
NW Quadrant 0-10 Miles	17-Nov-15	2.51E+00	2.20E+00	No
SE Quadrant 0-10 Miles	24-Nov-15	5.16E+00	2.70E+00	No
SE Quadrant 25 Miles	24-Nov-15	-2.27E+00	2.90E+00	No
SW Quadrant 0-10 Miles	24-Nov-15	-1.44E+00	2.54E+00	No

Table 24 Radionuclides in Terrestrial Food (continued)

Radionuclide: Cs-137

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Greens				
NE Quadrant 0-10 Miles	12-Jan-15	3.27E-03	3.12E-03	No
NW Quadrant 0-10 Miles	12-Jan-15	6.35E-03	3.70E-03	No
SE Quadrant 0-10 Miles	12-Jan-15	3.97E-02	5.44E-03	Yes
SE Quadrant 25 Miles	6-Jan-15	2.76E-02	4.63E-03	Yes
SW Quadrant 0-10 Miles	14-Jan-15	1.15E-02	4.24E-03	No
Fruit				
Plant Perimeter: NE Quadrant	17-Jun-15	-2.57E-04	1.17E-03	No
Plant Perimeter: NW Quadrant	17-Jun-15	1.45E-03	1.15E-03	No
Plant Perimeter: SE Quadrant	16-Jun-15	4.24E-04	1.09E-03	No
Plant Perimeter: SW Quadrant	23-Jun-15	-2.33E-04	1.11E-03	No
SE Quadrant 25 Miles	8-Jun-15	1.50E-03	1.24E-03	No
Beef				
NE Quadrant 0-10 Miles	2-Jun-15	2.45E-02	7.96E-03	No
NW Quadrant 0-10 Miles	20-Apr-15	-8.81E-04	7.23E-03	No
SE Quadrant 25 Miles	8-Jun-15	-1.14E-02	7.10E-03	No
Corn				
NE Quadrant 0-10 Miles	22-Jun-15	1.25E+00	1.23E+00	No
NW Quadrant 0-10 Miles	24-Jun-15	5.49E+00	1.36E+00	Yes
SE Quadrant 0-10 Miles	23-Jun-15	1.24E+00	1.19E+00	No
SE Quadrant 25 Miles	23-Jun-15	1.31E+00	1.17E+00	No
SW Quadrant 0-10 Miles	23-Jun-15	1.33E+00	1.48E+00	No
Pecans				
NE Quadrant 0-10 Miles	16-Nov-15	1.46E+01	3.28E+00	Yes
NW Quadrant 0-10 Miles	17-Nov-15	3.46E+00	1.95E+00	No
SE Quadrant 0-10 Miles	24-Nov-15	1.06E+01	3.01E+00	Yes
SE Quadrant 25 Miles	24-Nov-15	1.23E+00	2.28E+00	No
SW Quadrant 0-10 Miles	24-Nov-15	5.59E+00	2.34E+00	No

Table 24 Radionuclides in Terrestrial Food (continued)

Radionuclide: Sr-89/90

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Greens				
NE Quadrant 0-10 Miles	12-Jan-15	1.84E-01	2.40E-02	Yes
NW Quadrant 0-10 Miles	12-Jan-15	1.16E-01	1.87E-02	Yes
SE Quadrant 0-10 Miles	12-Jan-15	1.79E-02	1.42E-02	No
SE Quadrant 25 Miles	6-Jan-15	1.07E-01	1.89E-02	Yes
SW Quadrant 0-10 Miles	14-Jan-15	1.43E-01	1.96E-02	Yes
Fruit				
Plant Perimeter: NE Quadrant	17-Jun-15	6.86E-03	3.22E-03	No
Plant Perimeter: NW Quadrant	17-Jun-15	-2.78E-03	2.16E-03	No
Plant Perimeter: SE Quadrant	16-Jun-15	2.86E-03	2.70E-03	No
Plant Perimeter: SW Quadrant	23-Jun-15	5.62E-03	3.05E-03	No
SE Quadrant 25 Miles	8-Jun-15	-3.78E-03	2.30E-03	No
Beef				
NE Quadrant 0-10 Miles	2-Jun-15	1.41E-03	9.86E-04	No
NW Quadrant 0-10 Miles	20-Apr-15	4.59E-05	9.21E-04	No
SE Quadrant 25 Miles	8-Jun-15	4.24E-05	8.51E-04	No
Corn				
NE Quadrant 0-10 Miles	22-Jun-15	4.11E+00	1.05E+01	No
NW Quadrant 0-10 Miles	24-Jun-15	3.59E+01	1.35E+01	No
SE Quadrant 0-10 Miles	23-Jun-15	-1.70E+00	1.32E+01	No
SE Quadrant 25 Miles	23-Jun-15	-6.92E+00	1.01E+01	No
SW Quadrant 0-10 Miles	23-Jun-15	-1.65E+00	1.01E+01	No
Pecans				
NE Quadrant 0-10 Miles	16-Nov-15	7.03E+01	1.46E+01	Yes
NW Quadrant 0-10 Miles	17-Nov-15	1.55E+01	1.06E+01	No
SE Quadrant 0-10 Miles	24-Nov-15	4.32E+01	1.31E+01	Yes
SE Quadrant 25 Miles	24-Nov-15	2.68E+00	9.89E+00	No
SW Quadrant 0-10 Miles	24-Nov-15	8.70E+00	1.06E+01	No

Table 24 Radionuclides in Terrestrial Food (continued)

Radionuclide: U-234

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Greens				
NE Quadrant 0-10 Miles	12-Jan-15	7.97E-03	1.13E-03	Yes
NW Quadrant 0-10 Miles	12-Jan-15	9.70E-04	3.41E-04	Yes
SE Quadrant 0-10 Miles	12-Jan-15	1.61E-02	1.91E-03	Yes
SE Quadrant 25 Miles	6-Jan-15	3.03E-02	2.81E-03	Yes
SW Quadrant 0-10 Miles	14-Jan-15	1.26E-02	1.52E-03	Yes
Fruit				
Plant Perimeter: NE Quadrant	17-Jun-15	3.68E-05	3.07E-05	No
Plant Perimeter: NW Quadrant	17-Jun-15	1.69E-05	1.86E-05	No
Plant Perimeter: SE Quadrant	16-Jun-15	-6.97E-06	2.24E-05	No
Plant Perimeter: SW Quadrant	23-Jun-15	1.61E-05	1.79E-05	No
SE Quadrant 25 Miles	8-Jun-15	-1.57E-06	1.29E-06	No
Beef				
NE Quadrant 0-10 Miles	2-Jun-15	5.35E-05	2.49E-05	Yes
NW Quadrant 0-10 Miles	20-Apr-15	6.68E-05	2.47E-05	Yes
SE Quadrant 25 Miles	8-Jun-15	7.57E-05	2.63E-05	Yes
Corn				
NE Quadrant 0-10 Miles	22-Jun-15	7.43E-02	1.98E-01	No
NW Quadrant 0-10 Miles	24-Jun-15	7.73E-02	1.00E-01	No
SE Quadrant 0-10 Miles	23-Jun-15	3.00E-01	2.72E-01	No
SE Quadrant 25 Miles	23-Jun-15	1.21E-01	1.67E-01	No
SW Quadrant 0-10 Miles	23-Jun-15	8.73E-01	3.24E-01	Yes
Pecans				
NE Quadrant 0-10 Miles	16-Nov-15	4.00E-01	2.61E-01	No
NW Quadrant 0-10 Miles	17-Nov-15	1.22E+00	3.94E-01	Yes
SE Quadrant 0-10 Miles	24-Nov-15	4.43E-01	2.31E-01	No
SE Quadrant 25 Miles	24-Nov-15	5.35E-01	2.73E-01	No
SW Quadrant 0-10 Miles	24-Nov-15	2.06E-01	2.18E-01	No

Table 24 Radionuclides in Terrestrial Food (continued)

Radionuclide: U-235

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Greens				
NE Quadrant 0-10 Miles	12-Jan-15	1.89E-04	2.22E-04	No
NW Quadrant 0-10 Miles	12-Jan-15	1.14E-04	1.14E-04	No
SE Quadrant 0-10 Miles	12-Jan-15	1.06E-03	4.66E-04	Yes
SE Quadrant 25 Miles	6-Jan-15	1.25E-03	4.20E-04	Yes
SW Quadrant 0-10 Miles	14-Jan-15	6.16E-04	3.35E-04	No
Fruit				
Plant Perimeter: NE Quadrant	17-Jun-15	-7.24E-06	2.01E-05	No
Plant Perimeter: NW Quadrant	17-Jun-15	7.11E-06	2.74E-05	No
Plant Perimeter: SE Quadrant	16-Jun-15	-4.84E-07	3.96E-07	No
Plant Perimeter: SW Quadrant	23-Jun-15	-4.84E-07	3.99E-07	No
SE Quadrant 25 Miles	8-Jun-15	2.04E-05	2.10E-05	No
Beef				
NE Quadrant 0-10 Miles	2-Jun-15	0.00E+00	1.07E-05	No
NW Quadrant 0-10 Miles	20-Apr-15	0.00E+00	1.05E-05	No
SE Quadrant 25 Miles	8-Jun-15	2.11E-05	1.50E-05	No
Corn				
NE Quadrant 0-10 Miles	22-Jun-15	-1.61E-01	1.10E-01	No
NW Quadrant 0-10 Miles	24-Jun-15	-8.57E-02	8.03E-02	No
SE Quadrant 0-10 Miles	23-Jun-15	1.26E-01	1.32E-01	No
SE Quadrant 25 Miles	23-Jun-15	-5.54E-03	4.69E-03	No
SW Quadrant 0-10 Miles	23-Jun-15	-5.54E-03	4.72E-03	No
Pecans				
NE Quadrant 0-10 Miles	16-Nov-15	-1.97E-02	1.65E-02	No
NW Quadrant 0-10 Miles	17-Nov-15	2.33E-01	1.82E-01	No
SE Quadrant 0-10 Miles	24-Nov-15	1.42E-01	1.92E-01	No
SE Quadrant 25 Miles	24-Nov-15	-1.97E-02	1.70E-02	No
SW Quadrant 0-10 Miles	24-Nov-15	1.95E-02	1.43E-01	No

Table 24 Radionuclides in Terrestrial Food (continued)

Radionuclide: Np-237

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Greens				
NE Quadrant 0-10 Miles	12-Jan-15	-1.82E-06	2.80E-06	No
NW Quadrant 0-10 Miles	12-Jan-15	-1.01E-04	1.52E-04	No
SE Quadrant 0-10 Miles	12-Jan-15	1.66E-04	1.98E-04	No
SE Quadrant 25 Miles	6-Jan-15	-1.19E-04	1.82E-04	No
SW Quadrant 0-10 Miles	14-Jan-15	-8.54E-04	4.80E-04	No
Fruit				
Plant Perimeter: NE Quadrant	17-Jun-15	5.38E-06	1.94E-05	No
Plant Perimeter: NW Quadrant	17-Jun-15	0.00E+00	1.95E-05	No
Plant Perimeter: SE Quadrant	16-Jun-15	0.00E+00	1.95E-05	No
Plant Perimeter: SW Quadrant	23-Jun-15	-1.04E-05	1.05E-05	No
SE Quadrant 25 Miles	8-Jun-15	4.78E-05	2.77E-05	No
Beef				
NE Quadrant 0-10 Miles	2-Jun-15	2.59E-05	1.50E-05	No
NW Quadrant 0-10 Miles	20-Apr-15	8.30E-06	8.32E-06	No
SE Quadrant 25 Miles	8-Jun-15	9.32E-06	9.36E-06	No
Corn				
NE Quadrant 0-10 Miles	22-Jun-15	-1.83E-01	1.04E-01	No
NW Quadrant 0-10 Miles	24-Jun-15	-1.25E-01	1.86E-01	No
SE Quadrant 0-10 Miles	23-Jun-15	-5.57E-02	5.18E-02	No
SE Quadrant 25 Miles	23-Jun-15	1.21E-01	1.47E-01	No
SW Quadrant 0-10 Miles	23-Jun-15	-1.27E-01	8.76E-02	No
Pecans				
NE Quadrant 0-10 Miles	16-Nov-15	3.97E-01	2.72E-01	No
NW Quadrant 0-10 Miles	17-Nov-15	-8.27E-02	1.26E-01	No
SE Quadrant 0-10 Miles	24-Nov-15	-8.32E-02	1.27E-01	No
SE Quadrant 25 Miles	24-Nov-15	-1.65E-01	9.17E-02	No
SW Quadrant 0-10 Miles	24-Nov-15	-2.78E-02	1.15E-01	No

Table 24 Radionuclides in Terrestrial Food (continued)

Radionuclide: U-238

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Greens				
NE Quadrant 0-10 Miles	12-Jan-15	5.30E-03	8.76E-04	Yes
NW Quadrant 0-10 Miles	12-Jan-15	1.09E-03	3.31E-04	Yes
SE Quadrant 0-10 Miles	12-Jan-15	1.63E-02	1.89E-03	Yes
SE Quadrant 25 Miles	6-Jan-15	2.84E-02	2.60E-03	Yes
SW Quadrant 0-10 Miles	14-Jan-15	1.29E-02	1.52E-03	Yes
Fruit				
Plant Perimeter: NE Quadrant	17-Jun-15	3.11E-06	1.98E-05	No
Plant Perimeter: NW Quadrant	17-Jun-15	3.81E-06	2.23E-05	No
Plant Perimeter: SE Quadrant	16-Jun-15	1.93E-05	2.56E-05	No
Plant Perimeter: SW Quadrant	23-Jun-15	1.53E-05	1.79E-05	No
SE Quadrant 25 Miles	8-Jun-15	1.45E-05	1.71E-05	No
Beef				
NE Quadrant 0-10 Miles	2-Jun-15	1.09E-04	3.19E-05	Yes
NW Quadrant 0-10 Miles	20-Apr-15	8.49E-05	2.73E-05	Yes
SE Quadrant 25 Miles	8-Jun-15	1.45E-04	3.63E-05	Yes
Corn				
NE Quadrant 0-10 Miles	22-Jun-15	1.86E-01	1.34E-01	No
NW Quadrant 0-10 Miles	24-Jun-15	4.84E-01	2.20E-01	No
SE Quadrant 0-10 Miles	23-Jun-15	1.04E-01	1.07E-01	No
SE Quadrant 25 Miles	23-Jun-15	1.73E-01	2.08E-01	No
SW Quadrant 0-10 Miles	23-Jun-15	1.46E-01	1.74E-01	No
Pecans				
NE Quadrant 0-10 Miles	16-Nov-15	3.08E-01	2.04E-01	No
NW Quadrant 0-10 Miles	17-Nov-15	4.32E-01	2.41E-01	No
SE Quadrant 0-10 Miles	24-Nov-15	1.20E-01	1.55E-01	No
SE Quadrant 25 Miles	24-Nov-15	4.95E-01	2.76E-01	No
SW Quadrant 0-10 Miles	24-Nov-15	4.65E-01	2.16E-01	Yes

Table 24 Radionuclides in Terrestrial Food (continued)

Radionuclide: Pu-238

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Greens				
NE Quadrant 0-10 Miles	12-Jan-15	6.92E-05	2.49E-04	No
NW Quadrant 0-10 Miles	12-Jan-15	-3.30E-05	1.36E-04	No
SE Quadrant 0-10 Miles	12-Jan-15	1.25E-04	1.26E-04	No
SE Quadrant 25 Miles	6-Jan-15	-2.92E-05	1.20E-04	No
SW Quadrant 0-10 Miles	14-Jan-15	-4.59E-04	2.72E-04	No
Fruit				
Plant Perimeter: NE Quadrant	17-Jun-15	1.49E-05	1.62E-05	No
Plant Perimeter: NW Quadrant	17-Jun-15	3.27E-05	2.42E-05	No
Plant Perimeter: SE Quadrant	16-Jun-15	-1.09E-06	1.25E-06	No
Plant Perimeter: SW Quadrant	23-Jun-15	1.44E-05	1.56E-05	No
SE Quadrant 25 Miles	8-Jun-15	4.62E-05	2.78E-05	No
Beef				
NE Quadrant 0-10 Miles	2-Jun-15	8.59E-06	8.59E-06	No
NW Quadrant 0-10 Miles	20-Apr-15	2.48E-05	1.44E-05	No
SE Quadrant 25 Miles	8-Jun-15	3.08E-06	1.11E-05	No
Corn				
NE Quadrant 0-10 Miles	22-Jun-15	2.41E-02	1.95E-01	No
NW Quadrant 0-10 Miles	24-Jun-15	2.36E-01	1.73E-01	No
SE Quadrant 0-10 Miles	23-Jun-15	4.59E-02	1.32E-01	No
SE Quadrant 25 Miles	23-Jun-15	-5.70E-03	6.06E-03	No
SW Quadrant 0-10 Miles	23-Jun-15	1.17E-01	1.45E-01	No
Pecans				
NE Quadrant 0-10 Miles	16-Nov-15	9.43E-02	9.67E-02	No
NW Quadrant 0-10 Miles	17-Nov-15	5.24E-02	1.39E-01	No
SE Quadrant 0-10 Miles	24-Nov-15	2.47E-01	1.45E-01	No
SE Quadrant 25 Miles	24-Nov-15	-5.59E-02	5.43E-02	No
SW Quadrant 0-10 Miles	24-Nov-15	1.07E-01	1.28E-01	No

Table 24 Radionuclides in Terrestrial Food (continued)

Radionuclide: Pu-239

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Greens				
NE Quadrant 0-10 Miles	12-Jan-15	2.07E-04	2.08E-04	No
NW Quadrant 0-10 Miles	12-Jan-15	-3.30E-05	1.36E-04	No
SE Quadrant 0-10 Miles	12-Jan-15	0.00E+00	1.53E-04	No
SE Quadrant 25 Miles	6-Jan-15	8.73E-05	8.76E-05	No
SW Quadrant 0-10 Miles	14-Jan-15	2.30E-04	2.31E-04	No
Fruit				
Plant Perimeter: NE Quadrant	17-Jun-15	1.54E-05	2.63E-05	No
Plant Perimeter: NW Quadrant	17-Jun-15	-5.84E-06	6.78E-06	No
Plant Perimeter: SE Quadrant	16-Jun-15	3.14E-05	3.12E-05	No
Plant Perimeter: SW Quadrant	23-Jun-15	5.57E-05	3.29E-05	No
SE Quadrant 25 Miles	8-Jun-15	4.14E-05	2.92E-05	No
Beef				
NE Quadrant 0-10 Miles	2-Jun-15	2.50E-05	1.50E-05	No
NW Quadrant 0-10 Miles	20-Apr-15	7.65E-06	8.30E-06	No
SE Quadrant 25 Miles	8-Jun-15	2.51E-06	1.11E-05	No
Corn				
NE Quadrant 0-10 Miles	22-Jun-15	-2.97E-02	1.24E-01	No
NW Quadrant 0-10 Miles	24-Jun-15	2.41E-01	1.70E-01	No
SE Quadrant 0-10 Miles	23-Jun-15	0.00E+00	1.01E-01	No
SE Quadrant 25 Miles	23-Jun-15	3.08E-02	1.13E-01	No
SW Quadrant 0-10 Miles	23-Jun-15	3.05E-02	1.12E-01	No
Pecans				
NE Quadrant 0-10 Miles	16-Nov-15	1.16E-01	1.52E-01	No
NW Quadrant 0-10 Miles	17-Nov-15	1.47E-02	9.89E-02	No
SE Quadrant 0-10 Miles	24-Nov-15	1.52E-02	1.00E-01	No
SE Quadrant 25 Miles	24-Nov-15	9.59E-02	1.29E-01	No
SW Quadrant 0-10 Miles	24-Nov-15	-1.24E-02	1.27E-02	No

Table 24 Radionuclides in Terrestrial Food (continued)

Radionuclide: Am-241

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Greens				
NE Quadrant 0-10 Miles	12-Jan-15	1.76E-04	1.25E-04	No
NW Quadrant 0-10 Miles	12-Jan-15	0.00E+00	1.34E-04	No
SE Quadrant 0-10 Miles	12-Jan-15	0.00E+00	1.03E-04	No
SE Quadrant 25 Miles	6-Jan-15	3.81E-04	1.73E-04	No
SW Quadrant 0-10 Miles	14-Jan-15	9.68E-05	9.71E-05	No
Fruit				
Plant Perimeter: NE Quadrant	17-Jun-15	1.89E-05	6.83E-05	No
Plant Perimeter: NW Quadrant	17-Jun-15	-3.57E-05	3.62E-05	No
Plant Perimeter: SE Quadrant	16-Jun-15	1.17E-04	6.79E-05	No
Plant Perimeter: SW Quadrant	23-Jun-15	1.68E-05	6.07E-05	No
SE Quadrant 25 Miles	8-Jun-15	8.30E-05	5.88E-05	No
Beef				
NE Quadrant 0-10 Miles	2-Jun-15	-5.32E-07	4.38E-07	No
NW Quadrant 0-10 Miles	20-Apr-15	-5.32E-07	4.37E-07	No
SE Quadrant 25 Miles	8-Jun-15	-5.32E-07	4.32E-07	No
Corn				
NE Quadrant 0-10 Miles	22-Jun-15	0.00E+00	1.67E-01	No
NW Quadrant 0-10 Miles	24-Jun-15	9.08E-02	9.09E-02	No
SE Quadrant 0-10 Miles	23-Jun-15	9.19E-02	9.21E-02	No
SE Quadrant 25 Miles	23-Jun-15	0.00E+00	1.03E-01	No
SW Quadrant 0-10 Miles	23-Jun-15	-5.95E-02	5.96E-02	No
Pecans				
NE Quadrant 0-10 Miles	16-Nov-15	0.00E+00	1.18E-01	No
NW Quadrant 0-10 Miles	17-Nov-15	-8.84E-02	8.84E-02	No
SE Quadrant 0-10 Miles	24-Nov-15	0.00E+00	9.93E-02	No
SE Quadrant 25 Miles	24-Nov-15	0.00E+00	1.13E-01	No
SW Quadrant 0-10 Miles	24-Nov-15	-6.03E-02	6.03E-02	No

Table 24 Radionuclides in Terrestrial Food (continued)

Radionuclide: Cm-244

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Greens				
NE Quadrant 0-10 Miles	12-Jan-15	8.76E-05	8.76E-05	No
NW Quadrant 0-10 Miles	12-Jan-15	-1.49E-04	1.06E-04	No
SE Quadrant 0-10 Miles	12-Jan-15	0.00E+00	1.03E-04	No
SE Quadrant 25 Miles	6-Jan-15	7.59E-05	7.60E-05	No
SW Quadrant 0-10 Miles	14-Jan-15	0.00E+00	1.21E-04	No
Fruit				
Plant Perimeter: NE Quadrant	17-Jun-15	-4.19E-05	3.78E-05	No
Plant Perimeter: NW Quadrant	17-Jun-15	4.97E-05	5.43E-05	No
Plant Perimeter: SE Quadrant	16-Jun-15	-4.03E-06	3.81E-06	No
Plant Perimeter: SW Quadrant	23-Jun-15	-4.03E-06	4.04E-06	No
SE Quadrant 25 Miles	8-Jun-15	3.76E-05	4.20E-05	No
Beef				
NE Quadrant 0-10 Miles	2-Jun-15	0.00E+00	1.09E-05	No
NW Quadrant 0-10 Miles	20-Apr-15	8.32E-06	8.33E-06	No
SE Quadrant 25 Miles	8-Jun-15	0.00E+00	9.24E-06	No
Corn				
NE Quadrant 0-10 Miles	22-Jun-15	-1.22E-02	1.09E-02	No
NW Quadrant 0-10 Miles	24-Jun-15	7.92E-02	9.28E-02	No
SE Quadrant 0-10 Miles	23-Jun-15	-7.41E-02	6.22E-02	No
SE Quadrant 25 Miles	23-Jun-15	-1.22E-02	1.02E-02	No
SW Quadrant 0-10 Miles	23-Jun-15	7.76E-02	9.13E-02	No
Pecans				
NE Quadrant 0-10 Miles	16-Nov-15	-1.22E-02	1.09E-02	No
NW Quadrant 0-10 Miles	17-Nov-15	7.92E-02	9.28E-02	No
SE Quadrant 0-10 Miles	24-Nov-15	-8.78E-02	8.80E-02	No
SE Quadrant 25 Miles	24-Nov-15	1.78E-01	1.26E-01	No
SW Quadrant 0-10 Miles	24-Nov-15	-6.00E-02	6.01E-02	No

Table 24 Radionuclides in Terrestrial Food (continued)

Radionuclide: Tc-99

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Greens				
NE Quadrant 0-10 Miles	12-Jan-15	3.97E-01	6.29E-02	Yes
NW Quadrant 0-10 Miles	12-Jan-15	7.43E-01	8.88E-02	Yes
SE Quadrant 0-10 Miles	12-Jan-15	1.87E-01	6.19E-02	Yes
SE Quadrant 25 Miles	6-Jan-15	4.38E-01	6.11E-02	Yes
SW Quadrant 0-10 Miles	14-Jan-15	2.09E-01	4.31E-02	Yes
Fruit				
Plant Perimeter: NE Quadrant	17-Jun-15	3.41E-02	1.19E-02	Yes
Plant Perimeter: NW Quadrant	17-Jun-15	3.08E-02	1.20E-02	No
Plant Perimeter: SE Quadrant	16-Jun-15	2.18E-02	1.16E-02	No
Plant Perimeter: SW Quadrant	23-Jun-15	2.22E-02	1.24E-02	No
SE Quadrant 25 Miles	8-Jun-15	1.58E-02	1.17E-02	No
Beef				
NE Quadrant 0-10 Miles	2-Jun-15	5.84E-02	2.63E-02	No
NW Quadrant 0-10 Miles	20-Apr-15	3.14E-02	2.59E-02	No
SE Quadrant 25 Miles	8-Jun-15	5.92E-02	2.63E-02	No
Corn				
NE Quadrant 0-10 Miles	22-Jun-15	8.32E+01	7.25E+01	No
NW Quadrant 0-10 Miles	24-Jun-15	1.34E+02	7.34E+01	No
SE Quadrant 0-10 Miles	23-Jun-15	7.14E+01	7.32E+01	No
SE Quadrant 25 Miles	23-Jun-15	6.03E+01	7.24E+01	No
SW Quadrant 0-10 Miles	23-Jun-15	1.28E+02	7.37E+01	No
Pecans				
NE Quadrant 0-10 Miles	16-Nov-15	5.32E+01	7.47E+01	No
NW Quadrant 0-10 Miles	17-Nov-15	1.07E+01	7.41E+01	No
SE Quadrant 0-10 Miles	24-Nov-15	1.41E+02	7.63E+01	No
SE Quadrant 25 Miles	24-Nov-15	1.01E+02	7.54E+01	No
SW Quadrant 0-10 Miles	24-Nov-15	2.40E+01	7.44E+01	No

Table 24 Radionuclides in Terrestrial Food (continued)

Radionuclide: Gross Beta

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Greens				
NE Quadrant 0-10 Miles	12-Jan-15	1.96E+01	6.19E-01	Yes
NW Quadrant 0-10 Miles	12-Jan-15	2.64E+01	7.29E-01	Yes
SE Quadrant 0-10 Miles	12-Jan-15	9.00E+00	4.32E-01	Yes
SE Quadrant 25 Miles	6-Jan-15	2.10E+01	6.44E-01	Yes
SW Quadrant 0-10 Miles	14-Jan-15	1.76E+01	5.98E-01	Yes
Fruit				
Plant Perimeter: NE Quadrant	17-Jun-15	4.54E-01	4.10E-02	Yes
Plant Perimeter: NW Quadrant	17-Jun-15	7.32E-01	5.11E-02	Yes
Plant Perimeter: SE Quadrant	16-Jun-15	8.78E-01	5.57E-02	Yes
Plant Perimeter: SW Quadrant	23-Jun-15	4.78E-01	4.20E-02	Yes
SE Quadrant 25 Miles	8-Jun-15	4.51E-01	4.08E-02	Yes
Beef				
NE Quadrant 0-10 Miles	2-Jun-15	2.55E+00	1.75E-01	Yes
NW Quadrant 0-10 Miles	20-Apr-15	2.46E+00	1.71E-01	Yes
SE Quadrant 25 Miles	8-Jun-15	1.42E+00	1.33E-01	Yes
Corn				
NE Quadrant 0-10 Miles	22-Jun-15	6.92E+03	4.24E+02	Yes
NW Quadrant 0-10 Miles	24-Jun-15	6.81E+03	4.20E+02	Yes
SE Quadrant 0-10 Miles	23-Jun-15	7.22E+03	4.32E+02	Yes
SE Quadrant 25 Miles	23-Jun-15	9.08E+03	4.84E+02	Yes
SW Quadrant 0-10 Miles	23-Jun-15	8.30E+03	4.62E+02	Yes
Pecans				
NE Quadrant 0-10 Miles	16-Nov-15	3.59E+03	2.17E+02	Yes
NW Quadrant 0-10 Miles	17-Nov-15	4.19E+03	2.34E+02	Yes
SE Quadrant 0-10 Miles	24-Nov-15	4.76E+03	2.49E+02	Yes
SE Quadrant 25 Miles	24-Nov-15	6.89E+03	2.96E+02	Yes
SW Quadrant 0-10 Miles	24-Nov-15	3.73E+03	2.20E+02	Yes

Table 24 Radionuclides in Terrestrial Food (continued)

Radionuclide: Gross Alpha

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Greens				
NE Quadrant 0-10 Miles	12-Jan-15	3.86E-01	1.75E-01	Yes
NW Quadrant 0-10 Miles	12-Jan-15	3.41E-01	1.84E-01	No
SE Quadrant 0-10 Miles	12-Jan-15	9.62E-02	1.28E-01	No
SE Quadrant 25 Miles	6-Jan-15	6.14E-02	1.39E-01	No
SW Quadrant 0-10 Miles	14-Jan-15	1.15E+00	2.48E-01	Yes
Fruit				
Plant Perimeter: NE Quadrant	17-Jun-15	8.27E-03	1.03E-02	No
Plant Perimeter: NW Quadrant	17-Jun-15	-5.73E-03	4.26E-03	No
Plant Perimeter: SE Quadrant	16-Jun-15	1.42E-03	8.76E-03	No
Plant Perimeter: SW Quadrant	23-Jun-15	-5.43E-03	4.20E-03	No
SE Quadrant 25 Miles	8-Jun-15	1.55E-03	7.65E-03	No
Beef				
NE Quadrant 0-10 Miles	2-Jun-15	4.70E-02	4.19E-02	No
NW Quadrant 0-10 Miles	20-Apr-15	-2.66E-04	2.42E-02	No
SE Quadrant 25 Miles	8-Jun-15	-1.96E-02	6.93E-03	No
Corn				
NE Quadrant 0-10 Miles	22-Jun-15	1.06E+01	5.99E+01	No
NW Quadrant 0-10 Miles	24-Jun-15	-4.08E+01	2.60E+01	No
SE Quadrant 0-10 Miles	23-Jun-15	1.67E+02	1.08E+02	No
SE Quadrant 25 Miles	23-Jun-15	-4.86E+01	3.05E+01	No
SW Quadrant 0-10 Miles	23-Jun-15	-4.49E+01	2.82E+01	No
Pecans				
NE Quadrant 0-10 Miles	16-Nov-15	9.68E+01	6.01E+01	No
NW Quadrant 0-10 Miles	17-Nov-15	1.60E+02	7.52E+01	No
SE Quadrant 0-10 Miles	24-Nov-15	2.30E+02	9.00E+01	Yes
SE Quadrant 25 Miles	24-Nov-15	2.78E+02	9.59E+01	Yes
SW Quadrant 0-10 Miles	24-Nov-15	9.19E+01	5.71E+01	No

Table 25 Radionuclides in Cow's Milk

The dairies are located in communities surrounding SRS in both South Carolina and Georgia.

Radionuclide: H-3 (tritium)

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
SC Dairy 1	6-Jan-15	1.25E+02	8.01E+01	No
	15-Apr-15	-6.97E+01	6.92E+01	No
	8-Jul-15	-1.72E+02	7.93E+01	No
	14-Oct-15	3.08E+01	8.63E+01	No
SC Dairy 2	6-Jan-15	-8.57E+00	7.92E+01	No
	15-Apr-15	-5.59E+01	6.94E+01	No
	8-Jul-15	-3.41E+02	7.81E+01	No
	14-Oct-15	-1.09E+02	8.72E+01	No
SC Dairy 3	6-Jan-15	-2.92E+01	8.10E+01	No
	15-Apr-15	-1.06E+02	6.88E+01	No
	8-Jul-15	-2.18E+02	8.03E+01	No
	14-Oct-15	7.46E+01	8.80E+01	No
SC Dairy 4	6-Jan-15	-8.54E+01	7.81E+01	No
	15-Apr-15	-7.27E+01	6.94E+01	No
	8-Jul-15	-5.95E+01	8.11E+01	No
	14-Oct-15	8.73E+01	8.67E+01	No
GA Dairy 1	8-Jan-15	-1.81E+02	7.73E+01	No
	15-Apr-15	3.38E+01	7.11E+01	No
	7-Jul-15	-1.68E+02	8.02E+01	No
	15-Oct-15	-4.03E+01	8.59E+01	No
GA Dairy 2	8-Jan-15	1.73E+01	8.02E+01	No
	15-Apr-15	-1.25E+02	6.84E+01	No
	7-Jul-15	-1.82E+02	7.98E+01	No
	15-Oct-15	7.14E+00	8.67E+01	No
GA Dairy 3	8-Jan-15	-1.26E+02	7.78E+01	No
	16-Apr-15	-9.24E+01	6.91E+01	No
	6-Jul-15	-1.17E+02	8.10E+01	No
	15-Oct-15	3.08E+01	8.67E+01	No
GA Dairy 4	8-Jan-15	-1.07E+02	7.90E+01	No
	16-Apr-15	-8.97E+01	6.92E+01	No
	7-Jul-15	-1.68E+02	8.30E+01	No
	15-Oct-15	1.55E+02	8.84E+01	No

Table 25 Radionuclides in Cow's Milk (continued)

Radionuclide: Co-60

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
SC Dairy 1	6-Jan-15	6.27E-01	9.56E-01	No
	15-Apr-15	2.78E+00	1.16E+00	No
	8-Jul-15	-3.30E-01	9.59E-01	No
	14-Oct-15	1.01E+00	1.07E+00	No
SC Dairy 2	6-Jan-15	2.35E+00	9.74E-01	No
	15-Apr-15	-4.05E-01	1.00E+00	No
	8-Jul-15	-7.81E-01	1.05E+00	No
	14-Oct-15	1.96E+00	9.86E-01	No
SC Dairy 3	6-Jan-15	-7.38E-01	1.21E+00	No
	15-Apr-15	5.89E-01	9.32E-01	No
	8-Jul-15	7.62E-01	9.93E-01	No
	14-Oct-15	7.54E-01	9.71E-01	No
SC Dairy 4	6-Jan-15	3.08E-01	9.36E-01	No
	15-Apr-15	-1.11E+00	1.23E+00	No
	8-Jul-15	-7.62E-01	9.63E-01	No
	14-Oct-15	-1.76E-01	1.00E+00	No
GA Dairy 1	8-Jan-15	-1.60E-01	9.56E-01	No
	15-Apr-15	1.29E+00	9.48E-01	No
	7-Jul-15	8.27E-01	9.74E-01	No
	15-Oct-15	8.38E-01	9.48E-01	No
GA Dairy 2	8-Jan-15	1.27E+00	9.67E-01	No
	15-Apr-15	9.16E-01	9.24E-01	No
	7-Jul-15	-1.03E+00	1.05E+00	No
	15-Oct-15	-1.59E+00	1.03E+00	No
GA Dairy 3	8-Jan-15	-5.57E-01	9.71E-01	No
	16-Apr-15	1.65E-02	9.56E-02	No
	6-Jul-15	-7.70E-02	9.24E-01	No
	15-Oct-15	-3.89E-02	9.71E-01	No
GA Dairy 4	8-Jan-15	6.65E-01	1.17E+00	No
	16-Apr-15	-5.54E-01	9.40E-01	No
	7-Jul-15	1.15E+00	9.48E-01	No
	15-Oct-15	1.29E-01	9.74E-01	No

Table 25 Radionuclides in Cow's Milk (continued)

Radionuclide: Cs-137

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
SC Dairy 1	6-Jan-15	4.51E-01	8.88E-01	No
	15-Apr-15	1.54E+00	1.05E+00	No
	8-Jul-15	-3.70E-01	9.32E-01	No
	14-Oct-15	1.05E+00	8.84E-01	No
SC Dairy 2	6-Jan-15	-8.00E-01	9.21E-01	No
	15-Apr-15	4.57E-01	9.09E-01	No
	8-Jul-15	1.14E-01	8.80E-01	No
	14-Oct-15	2.28E+00	9.48E-01	No
SC Dairy 3	6-Jan-15	1.35E+00	1.14E+00	No
	15-Apr-15	8.97E-01	9.17E-01	No
	8-Jul-15	6.59E-01	9.28E-01	No
	14-Oct-15	1.20E+00	8.92E-01	No
SC Dairy 4	6-Jan-15	3.54E+00	9.52E-01	Yes
	15-Apr-15	1.87E-01	1.05E+00	No
	8-Jul-15	1.34E-01	9.17E-01	No
	14-Oct-15	8.59E-01	9.32E-01	No
GA Dairy 1	8-Jan-15	2.48E-01	8.80E-01	No
	15-Apr-15	4.68E-01	9.28E-01	No
	7-Jul-15	-1.46E-01	9.44E-01	No
	15-Oct-15	5.54E-01	9.00E-01	No
GA Dairy 2	8-Jan-15	3.68E+00	1.24E+00	Yes
	15-Apr-15	2.31E+00	9.28E-01	No
	7-Jul-15	5.76E-02	8.88E-01	No
	15-Oct-15	1.04E-01	8.76E-01	No
GA Dairy 3	8-Jan-15	8.92E-01	9.56E-01	No
	16-Apr-15	8.11E-02	9.00E-02	No
	6-Jul-15	3.14E+00	1.28E+00	No
	15-Oct-15	1.88E-01	8.76E-01	No
GA Dairy 4	8-Jan-15	-8.92E-01	1.07E+00	No
	16-Apr-15	2.24E+00	9.09E-01	No
	7-Jul-15	1.62E+00	9.59E-01	No
	15-Oct-15	1.43E+00	9.09E-01	No

Table 25 Radionuclides in Cow's Milk (continued)

Radionuclide: Sr-90

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
SC Dairy 1	6-Jan-15	2.81E+00	6.64E-01	Yes
	15-Apr-15	7.38E-01	6.68E-01	No
	8-Jul-15	-1.22E-01	1.07E-01	No
	14-Oct-15	8.32E-02	5.09E-02	No
SC Dairy 2	6-Jan-15	1.09E+00	7.88E-01	No
	15-Apr-15	6.19E-01	3.17E-01	No
	8-Jul-15	-5.84E-01	1.26E+00	No
	14-Oct-15	7.65E-01	4.07E-01	No
SC Dairy 3	6-Jan-15	1.55E+00	5.69E-01	No
	15-Apr-15	-6.78E-01	7.44E-01	No
	8-Jul-15	-2.31E-01	1.10E-01	No
	14-Oct-15	3.62E-02	1.53E-02	No
SC Dairy 4	6-Jan-15	1.65E+00	6.14E-01	No
	15-Apr-15	1.68E+00	1.17E+00	Yes
	8-Jul-15	1.04E+00	6.23E-01	No
	14-Oct-15	3.81E-01	2.65E-01	No
GA Dairy 1	8-Jan-15	7.19E-01	4.69E-01	No
	15-Apr-15	-8.95E-01	1.12E+00	No
	7-Jul-15	-6.54E-01	5.89E-01	No
	15-Oct-15	8.54E-01	1.57E+00	No
GA Dairy 2	8-Jan-15	-7.14E-02	4.01E-01	No
	15-Apr-15	-1.69E-01	1.74E-01	No
	7-Jul-15	6.38E-01	7.06E-01	No
	15-Oct-15	-1.01E+00	8.48E-01	No
GA Dairy 3	8-Jan-15	7.38E-01	4.77E-01	No
	16-Apr-15	-3.11E-02	3.09E-02	No
	6-Jul-15	2.31E-01	1.40E-01	No
	15-Oct-15	8.00E-01	2.25E+00	No
GA Dairy 4	8-Jan-15	8.30E-03	3.96E-01	No
	16-Apr-15	1.05E+00	1.00E+00	No
	7-Jul-15	4.19E-01	4.98E-01	No
	15-Oct-15	-4.43E-01	3.60E-01	No

Table 26 Radionuclides in Liquid Effluent Samples

Location	Sample Date	H-3 (tritium)		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
F-012 281-8F Retention Basin	28-Jan-15	3.22E+03	2.13E+02	Yes
F-012 281-8F Retention Basin	5-Mar-15	2.19E+03	1.84E+02	Yes
F-012 281-8F Retention Basin	19-Apr-15	1.47E+03	1.71E+02	Yes
F-012 281-8F Retention Basin	3-Jun-15	8.24E+02	1.54E+02	Yes
F-012 281-8F Retention Basin	18-Jul-15	1.02E+03	1.56E+02	Yes
F-012 281-8F Retention Basin	25-Aug-15	1.18E+03	1.63E+02	Yes
F-012 281-8F Retention Basin	13-Oct-15	5.81E+02	1.46E+02	Yes
F-012 281-8F Retention Basin	11-Nov-15	1.42E+03	1.80E+02	Yes
F-013 200-F Cooling Basin	24-Jun-15	1.26E+03	1.77E+02	Yes
F-013 200-F Cooling Basin	26-Aug-15	1.17E+03	1.61E+02	Yes
F-013 200-F Cooling Basin	4-Oct-15	9.14E+02	1.60E+02	Yes
F-013 200-F Cooling Basin	16-Dec-15	8.46E+02	1.61E+02	Yes
F-05	2-Feb-15	1.86E+03	1.96E+02	Yes
F-05	2-Mar-15	1.20E+03	1.59E+02	Yes
F-05	6-Apr-15	1.39E+03	1.61E+02	Yes
F-05	4-May-15	1.76E+03	1.80E+02	Yes
F-05	6-Jul-15	2.57E+02	1.60E+02	No
F-05	3-Aug-15	4.19E+03	2.39E+02	Yes
F-05	8-Sep-15	3.24E+02	1.43E+02	No
F-05	5-Oct-15	1.37E+02	1.38E+02	No
F-05	2-Nov-15	9.05E+02	1.45E+02	Yes
F-05	7-Dec-15	4.57E+02	1.40E+02	Yes
F-05	4-Jan-16	3.78E+02	1.49E+02	No
FM-1C H-Area Effluent	2-Feb-15	9.65E+02	1.75E+02	Yes
FM-1C H-Area Effluent	2-Mar-15	9.73E+02	1.51E+02	Yes
FM-1C H-Area Effluent	6-Apr-15	1.74E+03	1.67E+02	Yes
FM-1C H-Area Effluent	4-May-15	1.15E+03	1.55E+02	Yes
FM-1C H-Area Effluent	1-Jun-15	8.32E+02	1.66E+02	Yes
FM-1C H-Area Effluent	6-Jul-15	3.30E+03	2.16E+02	Yes
FM-1C H-Area Effluent	3-Aug-15	4.59E+03	2.40E+02	Yes
FM-1C H-Area Effluent	8-Sep-15	7.03E+03	2.86E+02	Yes
FM-1C H-Area Effluent	5-Oct-15	2.21E+03	1.91E+02	Yes
FM-1C H-Area Effluent	2-Nov-15	3.11E+03	2.04E+02	Yes
FM-1C H-Area Effluent	7-Dec-15	1.46E+03	1.68E+02	Yes
FM-1C H-Area Effluent	4-Jan-16	2.39E+03	1.98E+02	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	H-3 (tritium)		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-3 F-Area Effluent	2-Feb-15	1.20E+03	1.81E+02	Yes
FM-3 F-Area Effluent	2-Mar-15	5.38E+02	1.42E+02	Yes
FM-3 F-Area Effluent	6-Apr-15	2.52E+03	1.87E+02	Yes
FM-3 F-Area Effluent	4-May-15	1.16E+03	1.63E+02	Yes
FM-3 F-Area Effluent	1-Jun-15	6.86E+02	1.54E+02	Yes
FM-3 F-Area Effluent	6-Jul-15	4.89E+02	1.61E+02	Yes
FM-3 F-Area Effluent	3-Aug-15	8.97E+03	3.19E+02	Yes
FM-3 F-Area Effluent	8-Sep-15	5.54E+02	1.49E+02	Yes
FM-3 F-Area Effluent	5-Oct-15	2.14E+02	1.39E+02	No
FM-3 F-Area Effluent	2-Nov-15	4.65E+02	1.34E+02	Yes
FM-3 F-Area Effluent	7-Dec-15	6.11E+02	1.49E+02	Yes
FM-3 F-Area Effluent	4-Jan-16	1.16E+02	1.40E+02	No
H-004	2-Feb-15	1.03E+04	3.17E+02	Yes
H-004	2-Mar-15	5.62E+03	2.55E+02	Yes
H-004	6-Apr-15	1.04E+04	3.29E+02	Yes
H-004	4-May-15	5.68E+03	2.63E+02	Yes
H-004	1-Jun-15	5.76E+03	2.78E+02	Yes
H-004	6-Jul-15	2.19E+04	4.45E+02	Yes
H-004	3-Aug-15	2.02E+04	4.59E+02	Yes
H-004	8-Sep-15	4.00E+03	2.36E+02	Yes
H-004	5-Oct-15	3.43E+03	2.25E+02	Yes
H-004	2-Nov-15	8.41E+03	3.06E+02	Yes
H-004	7-Dec-15	5.65E+03	2.59E+02	Yes
H-004	4-Jan-16	1.11E+04	3.45E+02	Yes
H-017 281-8H Retention Basin	6-Jan-15	5.16E+03	2.47E+02	Yes
H-017 281-8H Retention Basin	13-Feb-15	5.32E+03	2.54E+02	Yes
H-017 281-8H Retention Basin	28-Feb-15	6.00E+03	2.64E+02	Yes
H-017 281-8H Retention Basin	27-Mar-15	5.03E+03	2.53E+02	Yes
H-017 281-8H Retention Basin	18-Apr-15	2.17E+03	1.86E+02	Yes
H-017 281-8H Retention Basin	29-Apr-15	2.08E+03	1.80E+02	Yes
H-017 281-8H Retention Basin	30-May-15	1.75E+03	1.83E+02	Yes
H-017 281-8H Retention Basin	6-Jun-15	1.41E+03	1.68E+02	Yes
H-017 281-8H Retention Basin	25-Jun-15	1.74E+03	1.87E+02	Yes
H-017 281-8H Retention Basin	10-Jul-15	1.71E+03	1.87E+02	Yes
H-017 281-8H Retention Basin	21-Jul-15	1.90E+03	1.79E+02	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	H-3 (tritium)		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
H-017 281-8H Retention Basin	1-Aug-15	1.59E+03	1.73E+02	Yes
H-017 281-8H Retention Basin	23-Aug-15	1.86E+03	1.79E+02	Yes
H-017 281-8H Retention Basin	10-Sep-15	1.74E+03	1.83E+02	Yes
H-017 281-8H Retention Basin	28-Sep-15	2.14E+03	1.91E+02	Yes
H-017 281-8H Retention Basin	7-Oct-15	3.08E+03	2.11E+02	Yes
H-017 281-8H Retention Basin	14-Oct-15	5.19E+03	2.52E+02	Yes
H-017 281-8H Retention Basin	6-Nov-15	3.81E+03	2.32E+02	Yes
H-017 281-8H Retention Basin	25-Nov-15	2.53E+03	2.03E+02	Yes
H-017 281-8H Retention Basin	18-Dec-15	2.46E+03	2.03E+02	Yes
H-017 281-8H Retention Basin	1-Jan-16	1.30E+03	1.66E+02	Yes
HP-15 Tritium Facility Outfall	2-Feb-15	8.78E+03	3.02E+02	Yes
HP-15 Tritium Facility Outfall	2-Mar-15	4.51E+03	2.36E+02	Yes
HP-15 Tritium Facility Outfall	6-Apr-15	7.59E+03	2.90E+02	Yes
HP-15 Tritium Facility Outfall	4-May-15	7.57E+03	2.96E+02	Yes
HP-15 Tritium Facility Outfall	1-Jun-15	7.27E+03	3.03E+02	Yes
HP-15 Tritium Facility Outfall	6-Jul-15	8.76E+03	3.06E+02	Yes
HP-15 Tritium Facility Outfall	3-Aug-15	7.92E+03	3.05E+02	Yes
HP-15 Tritium Facility Outfall	8-Sep-15	8.81E+03	3.16E+02	Yes
HP-15 Tritium Facility Outfall	5-Oct-15	4.41E+03	2.42E+02	Yes
HP-15 Tritium Facility Outfall	2-Nov-15	6.95E+03	2.82E+02	Yes
HP-15 Tritium Facility Outfall	7-Dec-15	7.86E+03	2.96E+02	Yes
HP-15 Tritium Facility Outfall	4-Jan-16	6.30E+03	2.76E+02	Yes
K Canal	2-Feb-15	4.51E+02	1.65E+02	Yes
K Canal	2-Mar-15	3.73E+02	1.32E+02	Yes
K Canal	6-Apr-15	4.70E+02	1.30E+02	Yes
K Canal	4-May-15	1.73E+02	1.33E+02	No
K Canal	1-Jun-15	2.70E+02	1.36E+02	No
K Canal	6-Jul-15	4.76E+02	1.61E+02	Yes
K Canal	3-Aug-15	5.14E+02	1.42E+02	Yes
K Canal	8-Sep-15	3.86E+02	1.44E+02	Yes
K Canal	5-Oct-15	-8.84E+00	1.31E+02	No
K Canal	2-Nov-15	2.68E+02	1.23E+02	No
K Canal	7-Dec-15	1.17E+02	1.32E+02	No
K Canal	4-Jan-16	-7.19E+00	1.34E+02	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	H-3 (tritium)		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
L-07	2-Feb-15	3.27E+02	1.65E+02	No
L-07	2-Mar-15	3.57E+02	1.26E+02	Yes
L-07	6-Apr-15	2.89E+02	1.25E+02	No
L-07	4-May-15	3.00E+02	1.39E+02	No
L-07	1-Jun-15	1.98E+02	1.35E+02	No
L-07	6-Jul-15	4.11E+02	1.61E+02	No
L-07	3-Aug-15	3.27E+02	1.37E+02	No
L-07	8-Sep-15	3.00E+02	1.41E+02	No
L-07	5-Oct-15	1.39E+02	1.37E+02	No
L-07	2-Nov-15	4.14E+02	1.32E+02	Yes
L-07	7-Dec-15	3.70E+03	1.63E+02	Yes
L-07	4-Jan-16	-3.11E+02	1.22E+02	No
S-004	2-Feb-15	2.81E+03	2.09E+02	Yes
S-004	2-Mar-15	2.28E+03	1.84E+02	Yes
S-004	6-Apr-15	9.78E+03	3.23E+02	Yes
S-004	4-May-15	6.81E+03	2.78E+02	Yes
S-004	3-Aug-15	8.38E+03	3.03E+02	Yes
S-004	8-Sep-15	4.43E+03	2.41E+02	Yes
S-004	5-Oct-15	1.08E+04	3.36E+02	Yes
S-004	2-Nov-15	2.89E+03	1.99E+02	Yes
S-004	7-Dec-15	1.73E+03	1.75E+02	Yes
S-004	4-Jan-16	3.19E+03	2.18E+02	Yes
TB-2 Outfall at Road 1A	2-Feb-15	3.08E+02	1.58E+02	No
TB-2 Outfall at Road 1A	2-Mar-15	2.06E+02	1.23E+02	No
TB-2 Outfall at Road 1A	6-Apr-15	3.62E+02	1.25E+02	Yes
TB-2 Outfall at Road 1A	4-May-15	-8.89E+00	1.26E+02	No
TB-2 Outfall at Road 1A	1-Jun-15	-4.51E+01	1.30E+02	No
TB-2 Outfall at Road 1A	6-Jul-15	2.65E+02	1.42E+02	No
TB-2 Outfall at Road 1A	3-Aug-15	2.55E+02	1.33E+02	No
TB-2 Outfall at Road 1A	8-Sep-15	3.05E+02	1.40E+02	No
TB-2 Outfall at Road 1A	5-Oct-15	1.29E+02	1.35E+02	No
TB-2 Outfall at Road 1A	2-Nov-15	2.26E+02	1.21E+02	No
TB-2 Outfall at Road 1A	7-Dec-15	-1.09E+02	1.17E+02	No
TB-2 Outfall at Road 1A	4-Jan-16	-1.24E+02	1.27E+02	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	H-3 (tritium)		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	5-Jan-15	5.89E+05	2.57E+04	Yes
U3R-2A ETP Outfall at Road C	12-Jan-15	4.27E+05	2.39E+04	Yes
U3R-2A ETP Outfall at Road C	20-Jan-15	1.42E+05	1.78E+04	Yes
U3R-2A ETP Outfall at Road C	26-Jan-15	7.65E+05	2.90E+04	Yes
U3R-2A ETP Outfall at Road C	2-Feb-15	1.31E+06	3.46E+04	Yes
U3R-2A ETP Outfall at Road C	9-Feb-15	2.01E+06	4.38E+04	Yes
U3R-2A ETP Outfall at Road C	17-Feb-15	2.22E+06	4.57E+04	Yes
U3R-2A ETP Outfall at Road C	23-Feb-15	2.27E+06	4.60E+04	Yes
U3R-2A ETP Outfall at Road C	2-Mar-15	2.43E+06	4.82E+04	Yes
U3R-2A ETP Outfall at Road C	9-Mar-15	2.35E+06	4.74E+04	Yes
U3R-2A ETP Outfall at Road C	16-Mar-15	1.92E+06	4.31E+04	Yes
U3R-2A ETP Outfall at Road C	23-Mar-15	2.17E+06	4.57E+04	Yes
U3R-2A ETP Outfall at Road C	6-Apr-15	1.53E+06	3.88E+04	Yes
U3R-2A ETP Outfall at Road C	13-Apr-15	1.06E+06	3.34E+04	Yes
U3R-2A ETP Outfall at Road C	20-Apr-15	7.35E+05	2.83E+04	Yes
U3R-2A ETP Outfall at Road C	27-Apr-15	4.84E+05	2.38E+04	Yes
U3R-2A ETP Outfall at Road C	4-May-15	2.16E+05	1.81E+04	Yes
U3R-2A ETP Outfall at Road C	11-May-15	1.22E+05	1.82E+04	Yes
U3R-2A ETP Outfall at Road C	26-May-15	1.04E+05	1.64E+04	Yes
U3R-2A ETP Outfall at Road C	1-Jun-15	9.62E+04	1.55E+04	Yes
U3R-2A ETP Outfall at Road C	8-Jun-15	7.22E+05	2.77E+04	Yes
U3R-2A ETP Outfall at Road C	15-Jun-15	1.43E+06	3.81E+04	Yes
U3R-2A ETP Outfall at Road C	22-Jun-15	1.18E+06	3.54E+04	Yes
U3R-2A ETP Outfall at Road C	29-Jun-15	8.38E+04	1.75E+04	Yes
U3R-2A ETP Outfall at Road C	6-Jul-15	2.23E+06	4.59E+04	Yes
U3R-2A ETP Outfall at Road C	13-Jul-15	2.55E+06	4.87E+04	Yes
U3R-2A ETP Outfall at Road C	20-Jul-15	1.49E+06	3.93E+04	Yes
U3R-2A ETP Outfall at Road C	27-Jul-15	6.84E+05	2.82E+04	Yes
U3R-2A ETP Outfall at Road C	3-Aug-15	1.14E+06	3.42E+04	Yes
U3R-2A ETP Outfall at Road C	17-Aug-15	1.66E+06	3.94E+04	Yes
U3R-2A ETP Outfall at Road C	31-Aug-15	2.06E+06	4.51E+04	Yes
U3R-2A ETP Outfall at Road C	8-Sep-15	1.59E+06	4.02E+04	Yes
U3R-2A ETP Outfall at Road C	21-Sep-15	1.39E+06	3.49E+03	Yes
U3R-2A ETP Outfall at Road C	28-Sep-15	1.84E+06	4.02E+03	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	H-3 (tritium)		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	12-Oct-15	1.50E+06	3.72E+03	Yes
U3R-2A ETP Outfall at Road C	19-Oct-15	1.43E+06	3.66E+03	Yes
U3R-2A ETP Outfall at Road C	26-Oct-15	1.19E+06	3.33E+03	Yes
U3R-2A ETP Outfall at Road C	2-Nov-15	9.84E+05	2.91E+03	Yes
U3R-2A ETP Outfall at Road C	9-Nov-15	8.78E+05	2.72E+03	Yes
U3R-2A ETP Outfall at Road C	16-Nov-15	8.95E+05	2.78E+03	Yes
U3R-2A ETP Outfall at Road C	7-Dec-15	8.70E+05	2.78E+03	Yes
U3R-2A ETP Outfall at Road C	14-Dec-15	1.01E+06	2.99E+03	Yes
U3R-2A ETP Outfall at Road C	28-Dec-15	1.21E+06	3.27E+03	Yes
U3R-2A ETP Outfall at Road C	4-Jan-16	1.54E+06	3.60E+03	Yes
HP-52 H-Area Tank Farm	3-Feb-15	5.89E+02	1.38E+02	Yes
HP-52 H-Area Tank Farm	3-Mar-15	2.50E+03	1.97E+02	Yes
HP-52 H-Area Tank Farm	7-Apr-15	3.05E+03	2.12E+02	Yes
HP-52 H-Area Tank Farm	5-May-15	2.51E+03	2.20E+02	Yes
HP-52 H-Area Tank Farm	2-Jun-15	1.78E+03	1.79E+02	Yes
HP-52 H-Area Tank Farm	7-Jul-15	1.87E+03	1.85E+02	Yes
HP-52 H-Area Tank Farm	4-Aug-15	2.11E+03	1.86E+02	Yes
HP-52 H-Area Tank Farm	9-Sep-15	1.83E+03	1.94E+02	Yes
HP-52 H-Area Tank Farm	6-Oct-15	9.51E+02	1.50E+02	Yes
HP-52 H-Area Tank Farm	3-Nov-15	2.26E+03	1.91E+02	Yes
HP-52 H-Area Tank Farm	8-Dec-15	1.34E+03	1.78E+02	Yes
HP-52 H-Area Tank Farm	5-Jan-16	1.53E+03	1.73E+02	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	C-14		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
F-05	2-Feb-15	6.86E+00	2.82E+00	No
F-05	2-Mar-15	1.54E+01	2.91E+00	Yes
F-05	6-Apr-15	4.65E+01	3.29E+00	Yes
F-05	4-May-15	-1.45E+00	2.73E+00	No
F-05	6-Jul-15	6.84E+00	2.89E+00	No
F-05	3-Aug-15	2.21E+01	3.00E+00	Yes
F-05	8-Sep-15	1.51E+00	2.73E+00	No
F-05	5-Oct-15	5.51E+01	3.46E+00	Yes
F-05	2-Nov-15	6.70E+00	2.97E+00	No
F-05	7-Dec-15	2.95E+01	3.22E+00	Yes
F-05	4-Jan-16	5.03E+00	2.87E+00	No
FM-1C H-Area Effluent	2-Feb-15	1.06E+01	2.86E+00	Yes
FM-1C H-Area Effluent	2-Mar-15	1.04E+00	2.74E+00	No
FM-1C H-Area Effluent	6-Apr-15	3.65E+00	2.80E+00	No
FM-1C H-Area Effluent	4-May-15	-2.60E+00	2.73E+00	No
FM-1C H-Area Effluent	1-Jun-15	3.16E+00	2.77E+00	No
FM-1C H-Area Effluent	6-Jul-15	8.00E+00	3.07E+00	No
FM-1C H-Area Effluent	3-Aug-15	4.05E+00	2.69E+00	No
FM-1C H-Area Effluent	8-Sep-15	8.00E-01	2.74E+00	No
FM-1C H-Area Effluent	5-Oct-15	1.37E+01	3.08E+00	Yes
FM-1C H-Area Effluent	2-Nov-15	-6.73E-01	2.76E+00	No
FM-1C H-Area Effluent	7-Dec-15	-8.51E+00	2.82E+00	No
FM-1C H-Area Effluent	4-Jan-16	7.14E+00	2.90E+00	No
FM-3 F-Area Effluent	2-Feb-15	2.81E+01	3.03E+00	Yes
FM-3 F-Area Effluent	2-Mar-15	1.20E+00	2.76E+00	No
FM-3 F-Area Effluent	6-Apr-15	-1.12E+00	2.72E+00	No
FM-3 F-Area Effluent	4-May-15	9.57E+00	2.85E+00	Yes
FM-3 F-Area Effluent	1-Jun-15	9.89E+00	2.83E+00	Yes
FM-3 F-Area Effluent	6-Jul-15	6.30E+00	1.59E+00	No
FM-3 F-Area Effluent	3-Aug-15	6.30E+00	2.70E+00	No
FM-3 F-Area Effluent	8-Sep-15	-1.20E-01	2.73E+00	No
FM-3 F-Area Effluent	5-Oct-15	-2.62E+00	2.34E+00	No
FM-3 F-Area Effluent	2-Nov-15	-2.04E-01	2.86E+00	No
FM-3 F-Area Effluent	7-Dec-15	6.95E+00	3.01E+00	No
FM-3 F-Area Effluent	4-Jan-16	-1.35E+00	2.83E+00	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	C-14		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
TB-2 Outfall at Road 1A	2-Feb-15	3.92E+00	2.82E+00	No
TB-2 Outfall at Road 1A	2-Mar-15	2.51E+01	3.02E+00	Yes
TB-2 Outfall at Road 1A	6-Apr-15	7.76E+00	2.81E+00	Yes
TB-2 Outfall at Road 1A	4-May-15	-2.23E+00	2.69E+00	No
TB-2 Outfall at Road 1A	1-Jun-15	-1.21E-01	2.74E+00	No
TB-2 Outfall at Road 1A	6-Jul-15	1.41E+01	2.09E+00	Yes
TB-2 Outfall at Road 1A	3-Aug-15	3.68E+00	2.73E+00	No
TB-2 Outfall at Road 1A	8-Sep-15	7.08E+00	2.80E+00	No
TB-2 Outfall at Road 1A	5-Oct-15	1.44E+00	2.80E+00	No
TB-2 Outfall at Road 1A	2-Nov-15	-3.16E+00	2.80E+00	No
TB-2 Outfall at Road 1A	7-Dec-15	7.70E+00	3.03E+00	No
TB-2 Outfall at Road 1A	4-Jan-16	1.39E+01	2.99E+00	Yes
U3R-2A ETP Outfall at Road C	5-Jan-15	1.67E+01	3.03E+00	Yes
U3R-2A ETP Outfall at Road C	12-Jan-15	9.30E+00	2.90E+00	Yes
U3R-2A ETP Outfall at Road C	20-Jan-15	9.51E+00	2.83E+00	Yes
U3R-2A ETP Outfall at Road C	26-Jan-15	5.22E+01	3.34E+00	Yes
U3R-2A ETP Outfall at Road C	2-Feb-15	6.89E+00	2.76E+00	No
U3R-2A ETP Outfall at Road C	9-Feb-15	2.34E+01	3.03E+00	Yes
U3R-2A ETP Outfall at Road C	17-Feb-15	9.11E+00	2.78E+00	Yes
U3R-2A ETP Outfall at Road C	23-Feb-15	2.33E+01	2.94E+00	Yes
U3R-2A ETP Outfall at Road C	2-Mar-15	6.22E+01	3.40E+00	Yes
U3R-2A ETP Outfall at Road C	9-Mar-15	2.41E+01	3.01E+00	Yes
U3R-2A ETP Outfall at Road C	16-Mar-15	1.62E+01	2.91E+00	Yes
U3R-2A ETP Outfall at Road C	23-Mar-15	9.78E+01	3.74E+00	Yes
U3R-2A ETP Outfall at Road C	6-Apr-15	5.35E+01	3.31E+00	Yes
U3R-2A ETP Outfall at Road C	13-Apr-15	6.86E+01	3.45E+00	Yes
U3R-2A ETP Outfall at Road C	20-Apr-15	4.19E+01	3.21E+00	Yes
U3R-2A ETP Outfall at Road C	27-Apr-15	-1.24E+00	2.72E+00	No
U3R-2A ETP Outfall at Road C	4-May-15	3.76E+00	2.82E+00	No
U3R-2A ETP Outfall at Road C	11-May-15	3.97E-01	2.72E+00	No
U3R-2A ETP Outfall at Road C	26-May-15	1.19E+00	1.98E+00	No
U3R-2A ETP Outfall at Road C	1-Jun-15	9.95E+00	2.86E+00	Yes
U3R-2A ETP Outfall at Road C	8-Jun-15	2.78E+00	2.78E+00	No
U3R-2A ETP Outfall at Road C	15-Jun-15	-7.14E-01	1.97E+00	No
U3R-2A ETP Outfall at Road C	22-Jun-15	5.54E+00	2.85E+00	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	C-14		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	29-Jun-15	6.73E+00	2.86E+00	No
U3R-2A ETP Outfall at Road C	6-Jul-15	1.86E+02	2.55E+00	Yes
U3R-2A ETP Outfall at Road C	13-Jul-15	9.51E+01	2.12E+00	Yes
U3R-2A ETP Outfall at Road C	20-Jul-15	2.25E+01	3.11E+00	Yes
U3R-2A ETP Outfall at Road C	27-Jul-15	-1.96E+00	2.81E+00	No
U3R-2A ETP Outfall at Road C	3-Aug-15	-3.38E+00	2.78E+00	No
U3R-2A ETP Outfall at Road C	17-Aug-15	3.16E+01	3.06E+00	Yes
U3R-2A ETP Outfall at Road C	31-Aug-15	2.73E+01	3.02E+00	Yes
U3R-2A ETP Outfall at Road C	8-Sep-15	9.05E+01	3.71E+00	Yes
U3R-2A ETP Outfall at Road C	21-Sep-15	9.24E+01	3.77E+00	Yes
U3R-2A ETP Outfall at Road C	28-Sep-15	7.57E+00	2.86E+00	No
U3R-2A ETP Outfall at Road C	12-Oct-15	3.22E+01	3.19E+00	Yes
U3R-2A ETP Outfall at Road C	19-Oct-15	4.24E+01	3.24E+00	Yes
U3R-2A ETP Outfall at Road C	26-Oct-15	7.65E+01	3.60E+00	Yes
U3R-2A ETP Outfall at Road C	2-Nov-15	1.10E+02	4.00E+00	Yes
U3R-2A ETP Outfall at Road C	9-Nov-15	3.51E+01	3.28E+00	Yes
U3R-2A ETP Outfall at Road C	16-Nov-15	1.06E+01	3.00E+00	Yes
U3R-2A ETP Outfall at Road C	7-Dec-15	9.59E+01	3.86E+00	Yes
U3R-2A ETP Outfall at Road C	14-Dec-15	5.59E+01	3.41E+00	Yes
U3R-2A ETP Outfall at Road C	28-Dec-15	2.53E+01	3.06E+00	Yes
U3R-2A ETP Outfall at Road C	4-Jan-16	5.30E+01	3.38E+00	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Co-60		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
F-012 281-8F Retention Basin	28-Jan-15	5.16E+00	2.95E+00	No
F-012 281-8F Retention Basin	5-Mar-15	-2.70E+00	1.91E+00	No
F-012 281-8F Retention Basin	19-Apr-15	-6.32E+00	2.42E+00	No
F-012 281-8F Retention Basin	3-Jun-15	1.57E+00	2.37E+00	No
F-012 281-8F Retention Basin	18-Jul-15	-1.02E+00	2.28E+00	No
F-012 281-8F Retention Basin	25-Aug-15	6.49E-01	1.99E+00	No
F-012 281-8F Retention Basin	13-Oct-15	-3.19E+00	2.03E+00	No
F-012 281-8F Retention Basin	11-Nov-15	2.02E+00	1.79E+00	No
F-013 200-F Cooling Basin	24-Jun-15	1.33E+00	2.04E+00	No
F-013 200-F Cooling Basin	26-Aug-15	1.48E+00	1.92E+00	No
F-013 200-F Cooling Basin	4-Oct-15	4.41E-01	2.06E+00	No
F-013 200-F Cooling Basin	16-Dec-15	6.70E+00	2.77E+00	No
F-05	2-Feb-15	1.46E+00	2.11E+00	No
F-05	2-Mar-15	3.89E+00	2.04E+00	No
F-05	6-Apr-15	4.11E+00	2.29E+00	No
F-05	4-May-15	4.51E+00	1.84E+00	No
F-05	6-Jul-15	-1.49E+00	2.35E+00	No
F-05	3-Aug-15	-1.16E-01	1.91E+00	No
F-05	8-Sep-15	-3.08E+00	2.04E+00	No
F-05	5-Oct-15	-3.89E-01	1.77E+00	No
F-05	2-Nov-15	2.35E+00	1.80E+00	No
F-05	7-Dec-15	1.37E+00	1.88E+00	No
F-05	4-Jan-16	3.95E+00	1.65E+00	No
FM-1C H-Area Effluent	2-Feb-15	-1.27E+00	1.96E+00	No
FM-1C H-Area Effluent	2-Mar-15	-3.76E+00	2.49E+00	No
FM-1C H-Area Effluent	6-Apr-15	6.92E+00	2.56E+00	No
FM-1C H-Area Effluent	4-May-15	4.51E-01	2.55E+00	No
FM-1C H-Area Effluent	1-Jun-15	-9.22E-01	2.14E+00	No
FM-1C H-Area Effluent	6-Jul-15	-1.64E+00	2.19E+00	No
FM-1C H-Area Effluent	3-Aug-15	2.97E-01	1.93E+00	No
FM-1C H-Area Effluent	8-Sep-15	4.57E+00	2.00E+00	No
FM-1C H-Area Effluent	5-Oct-15	6.62E-01	2.20E+00	No
FM-1C H-Area Effluent	2-Nov-15	-2.30E-01	1.92E+00	No
FM-1C H-Area Effluent	7-Dec-15	3.70E+00	2.28E+00	No
FM-1C H-Area Effluent	4-Jan-16	-1.93E+00	2.00E+00	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Co-60		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-3 F-Area Effluent	2-Feb-15	4.35E-01	2.30E+00	No
FM-3 F-Area Effluent	2-Mar-15	7.68E-01	2.32E+00	No
FM-3 F-Area Effluent	6-Apr-15	-1.87E+00	1.90E+00	No
FM-3 F-Area Effluent	4-May-15	1.82E+00	1.96E+00	No
FM-3 F-Area Effluent	1-Jun-15	9.81E-01	2.39E+00	No
FM-3 F-Area Effluent	6-Jul-15	1.31E+00	2.45E+00	No
FM-3 F-Area Effluent	3-Aug-15	-1.95E+00	2.06E+00	No
FM-3 F-Area Effluent	8-Sep-15	-2.02E+00	1.94E+00	No
FM-3 F-Area Effluent	5-Oct-15	8.84E-01	1.99E+00	No
FM-3 F-Area Effluent	2-Nov-15	-1.05E+00	2.05E+00	No
FM-3 F-Area Effluent	7-Dec-15	-1.12E+00	1.83E+00	No
FM-3 F-Area Effluent	4-Jan-16	-2.81E+00	2.03E+00	No
H-004	2-Feb-15	1.72E-01	1.95E+00	No
H-004	2-Mar-15	-3.43E-01	2.34E+00	No
H-004	6-Apr-15	2.67E+00	2.41E+00	No
H-004	4-May-15	6.05E-01	1.84E+00	No
H-004	1-Jun-15	-5.30E-01	1.88E+00	No
H-004	6-Jul-15	1.88E+00	2.02E+00	No
H-004	3-Aug-15	-2.76E+00	2.01E+00	No
H-004	8-Sep-15	-4.86E-01	1.92E+00	No
H-004	5-Oct-15	2.02E-01	2.07E+00	No
H-004	2-Nov-15	4.22E+00	1.91E+00	No
H-004	7-Dec-15	7.32E-01	1.64E+00	No
H-004	4-Jan-16	-1.13E+00	2.14E+00	No
H-017 281-8H Retention Basin	6-Jan-15	-8.97E-01	1.99E+00	No
H-017 281-8H Retention Basin	13-Feb-15	3.38E-01	1.67E+00	No
H-017 281-8H Retention Basin	28-Feb-15	1.69E-01	2.47E+00	No
H-017 281-8H Retention Basin	27-Mar-15	-2.10E+00	2.10E+00	No
H-017 281-8H Retention Basin	18-Apr-15	-2.97E+00	2.49E+00	No
H-017 281-8H Retention Basin	29-Apr-15	-1.88E+00	1.83E+00	No
H-017 281-8H Retention Basin	30-May-15	5.11E+00	2.54E+00	No
H-017 281-8H Retention Basin	6-Jun-15	5.38E+00	2.38E+00	No
H-017 281-8H Retention Basin	25-Jun-15	2.37E+00	2.28E+00	No
H-017 281-8H Retention Basin	10-Jul-15	5.81E-01	1.98E+00	No
H-017 281-8H Retention Basin	21-Jul-15	2.52E+00	2.10E+00	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Co-60		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
H-017 281-8H Retention Basin	1-Aug-15	1.19E+00	2.01E+00	No
H-017 281-8H Retention Basin	23-Aug-15	1.56E+00	2.05E+00	No
H-017 281-8H Retention Basin	10-Sep-15	-8.57E-01	1.91E+00	No
H-017 281-8H Retention Basin	28-Sep-15	1.76E+00	2.04E+00	No
H-017 281-8H Retention Basin	7-Oct-15	-7.14E-01	2.32E+00	No
H-017 281-8H Retention Basin	14-Oct-15	-3.43E+00	2.40E+00	No
H-017 281-8H Retention Basin	6-Nov-15	-3.59E-01	1.78E+00	No
H-017 281-8H Retention Basin	25-Nov-15	-9.22E-01	2.13E+00	No
H-017 281-8H Retention Basin	18-Dec-15	-1.10E+00	2.04E+00	No
H-017 281-8H Retention Basin	1-Jan-16	-1.75E+00	2.09E+00	No
HP-15 Tritium Facility Outfall	2-Feb-15	2.08E+00	2.13E+00	No
HP-15 Tritium Facility Outfall	2-Mar-15	-2.69E-01	2.54E+00	No
HP-15 Tritium Facility Outfall	6-Apr-15	2.36E+00	2.43E+00	No
HP-15 Tritium Facility Outfall	4-May-15	-2.32E+00	1.85E+00	No
HP-15 Tritium Facility Outfall	1-Jun-15	3.59E+00	2.29E+00	No
HP-15 Tritium Facility Outfall	6-Jul-15	3.54E+00	2.33E+00	No
HP-15 Tritium Facility Outfall	3-Aug-15	6.70E-01	1.83E+00	No
HP-15 Tritium Facility Outfall	8-Sep-15	3.11E+00	1.97E+00	No
HP-15 Tritium Facility Outfall	5-Oct-15	3.95E+00	1.99E+00	No
HP-15 Tritium Facility Outfall	2-Nov-15	2.02E+00	1.88E+00	No
HP-15 Tritium Facility Outfall	7-Dec-15	2.76E+00	1.81E+00	No
HP-15 Tritium Facility Outfall	4-Jan-16	2.47E+00	1.99E+00	No
K Canal	2-Feb-15	1.77E+00	2.33E+00	No
K Canal	2-Mar-15	-4.49E+00	2.50E+00	No
K Canal	6-Apr-15	-1.45E+00	2.40E+00	No
K Canal	4-May-15	1.05E+00	1.88E+00	No
K Canal	1-Jun-15	4.03E+00	2.27E+00	No
K Canal	6-Jul-15	1.31E+00	1.91E+00	No
K Canal	3-Aug-15	1.37E+00	1.97E+00	No
K Canal	8-Sep-15	-1.50E+00	1.84E+00	No
K Canal	5-Oct-15	1.92E+00	2.07E+00	No
K Canal	2-Nov-15	-1.14E+00	2.07E+00	No
K Canal	7-Dec-15	1.59E+00	2.02E+00	No
K Canal	4-Jan-16	-7.22E-01	1.98E+00	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Co-60		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
L-07	2-Feb-15	1.91E+00	1.79E+00	No
L-07	2-Mar-15	-7.81E-02	2.21E+00	No
L-07	6-Apr-15	-3.14E+00	2.19E+00	No
L-07	4-May-15	-3.59E+00	2.00E+00	No
L-07	1-Jun-15	-1.25E-01	2.26E+00	No
L-07	6-Jul-15	-1.61E+00	2.16E+00	No
L-07	3-Aug-15	2.55E+00	1.93E+00	No
L-07	8-Sep-15	-2.92E-01	2.05E+00	No
L-07	5-Oct-15	2.32E-01	1.52E+00	No
L-07	2-Nov-15	1.85E+00	1.98E+00	No
L-07	7-Dec-15	-2.23E+00	1.79E+00	No
L-07	4-Jan-16	-1.00E+00	2.26E+00	No
S-004	2-Feb-15	-6.73E-02	2.14E+00	No
S-004	2-Mar-15	7.11E-01	1.87E+00	No
S-004	6-Apr-15	9.76E-01	2.33E+00	No
S-004	4-May-15	-7.51E-01	1.91E+00	No
S-004	3-Aug-15	1.76E+00	1.96E+00	No
S-004	8-Sep-15	5.00E-01	2.09E+00	No
S-004	5-Oct-15	-3.68E+00	2.05E+00	No
S-004	2-Nov-15	1.16E+00	2.01E+00	No
S-004	7-Dec-15	-6.00E-01	2.04E+00	No
S-004	4-Jan-16	-4.00E-01	1.76E+00	No
TB-2 Outfall at Road 1A	2-Feb-15	-2.23E+00	1.92E+00	No
TB-2 Outfall at Road 1A	2-Mar-15	-1.93E+00	2.48E+00	No
TB-2 Outfall at Road 1A	6-Apr-15	-2.73E-01	1.99E+00	No
TB-2 Outfall at Road 1A	4-May-15	3.89E-01	1.84E+00	No
TB-2 Outfall at Road 1A	1-Jun-15	1.50E+00	1.83E+00	No
TB-2 Outfall at Road 1A	6-Jul-15	2.45E+00	2.23E+00	No
TB-2 Outfall at Road 1A	3-Aug-15	1.04E+00	2.10E+00	No
TB-2 Outfall at Road 1A	8-Sep-15	1.35E+00	1.83E+00	No
TB-2 Outfall at Road 1A	5-Oct-15	1.49E+00	2.04E+00	No
TB-2 Outfall at Road 1A	2-Nov-15	-2.28E+00	1.78E+00	No
TB-2 Outfall at Road 1A	7-Dec-15	-2.08E-01	1.85E+00	No
TB-2 Outfall at Road 1A	4-Jan-16	5.86E-01	1.96E+00	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Co-60		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	5-Jan-15	-4.27E+00	2.30E+00	No
U3R-2A ETP Outfall at Road C	12-Jan-15	6.76E-01	1.73E+00	No
U3R-2A ETP Outfall at Road C	20-Jan-15	5.97E-01	2.05E+00	No
U3R-2A ETP Outfall at Road C	26-Jan-15	-1.25E-01	1.81E+00	No
U3R-2A ETP Outfall at Road C	2-Feb-15	3.73E+00	2.13E+00	No
U3R-2A ETP Outfall at Road C	9-Feb-15	-6.78E-01	2.30E+00	No
U3R-2A ETP Outfall at Road C	17-Feb-15	-9.89E-01	2.52E+00	No
U3R-2A ETP Outfall at Road C	23-Feb-15	1.75E+00	1.93E+00	No
U3R-2A ETP Outfall at Road C	2-Mar-15	-1.67E+00	1.91E+00	No
U3R-2A ETP Outfall at Road C	9-Mar-15	1.18E+00	2.20E+00	No
U3R-2A ETP Outfall at Road C	16-Mar-15	3.27E+00	1.96E+00	No
U3R-2A ETP Outfall at Road C	23-Mar-15	3.49E+00	2.01E+00	No
U3R-2A ETP Outfall at Road C	6-Apr-15	-2.19E+00	2.29E+00	No
U3R-2A ETP Outfall at Road C	13-Apr-15	4.59E-01	1.78E+00	No
U3R-2A ETP Outfall at Road C	20-Apr-15	1.13E-02	1.87E+00	No
U3R-2A ETP Outfall at Road C	27-Apr-15	-6.46E-01	1.92E+00	No
U3R-2A ETP Outfall at Road C	4-May-15	9.46E-01	1.99E+00	No
U3R-2A ETP Outfall at Road C	11-May-15	1.70E+00	2.44E+00	No
U3R-2A ETP Outfall at Road C	26-May-15	4.81E-01	1.76E+00	No
U3R-2A ETP Outfall at Road C	1-Jun-15	-1.36E+00	2.08E+00	No
U3R-2A ETP Outfall at Road C	8-Jun-15	-4.35E+00	1.96E+00	No
U3R-2A ETP Outfall at Road C	15-Jun-15	1.56E+00	2.32E+00	No
U3R-2A ETP Outfall at Road C	22-Jun-15	-6.57E-01	1.73E+00	No
U3R-2A ETP Outfall at Road C	29-Jun-15	1.57E+00	1.92E+00	No
U3R-2A ETP Outfall at Road C	6-Jul-15	1.67E+00	2.17E+00	No
U3R-2A ETP Outfall at Road C	13-Jul-15	6.92E-01	1.88E+00	No
U3R-2A ETP Outfall at Road C	20-Jul-15	-5.30E-01	1.99E+00	No
U3R-2A ETP Outfall at Road C	27-Jul-15	-4.05E+00	1.83E+00	No
U3R-2A ETP Outfall at Road C	3-Aug-15	2.19E+00	1.68E+00	No
U3R-2A ETP Outfall at Road C	17-Aug-15	-8.30E-01	2.11E+00	No
U3R-2A ETP Outfall at Road C	31-Aug-15	-3.35E+00	1.90E+00	No
U3R-2A ETP Outfall at Road C	8-Sep-15	1.52E+00	2.03E+00	No
U3R-2A ETP Outfall at Road C	21-Sep-15	-2.60E+00	1.96E+00	No
U3R-2A ETP Outfall at Road C	28-Sep-15	-8.14E-01	1.84E+00	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Co-60		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	12-Oct-15	1.46E+00	2.05E+00	No
U3R-2A ETP Outfall at Road C	19-Oct-15	-7.84E-01	2.02E+00	No
U3R-2A ETP Outfall at Road C	26-Oct-15	3.22E+00	2.08E+00	No
U3R-2A ETP Outfall at Road C	2-Nov-15	-1.96E-02	1.72E+00	No
U3R-2A ETP Outfall at Road C	9-Nov-15	-2.28E+00	1.82E+00	No
U3R-2A ETP Outfall at Road C	16-Nov-15	1.66E+00	2.01E+00	No
U3R-2A ETP Outfall at Road C	7-Dec-15	3.46E+00	1.98E+00	No
U3R-2A ETP Outfall at Road C	14-Dec-15	-9.68E-01	1.92E+00	No
U3R-2A ETP Outfall at Road C	28-Dec-15	-8.14E-01	1.75E+00	No
U3R-2A ETP Outfall at Road C	4-Jan-16	6.30E+00	2.20E+00	No
HP-52 H-Area Tank Farm	3-Feb-15	-4.59E-01	1.86E+00	No
HP-52 H-Area Tank Farm	3-Mar-15	5.32E-01	2.04E+00	No
HP-52 H-Area Tank Farm	7-Apr-15	1.49E+00	2.38E+00	No
HP-52 H-Area Tank Farm	5-May-15	1.34E-01	1.91E+00	No
HP-52 H-Area Tank Farm	2-Jun-15	-6.41E-01	2.13E+00	No
HP-52 H-Area Tank Farm	7-Jul-15	2.46E+00	1.90E+00	No
HP-52 H-Area Tank Farm	4-Aug-15	1.13E+00	2.02E+00	No
HP-52 H-Area Tank Farm	9-Sep-15	-9.68E-01	1.85E+00	No
HP-52 H-Area Tank Farm	6-Oct-15	1.73E+00	1.87E+00	No
HP-52 H-Area Tank Farm	3-Nov-15	-2.62E+00	1.82E+00	No
HP-52 H-Area Tank Farm	8-Dec-15	-6.65E-01	1.95E+00	No
HP-52 H-Area Tank Farm	5-Jan-16	2.39E+00	1.95E+00	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Cs-137		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
F-012 281-8F Retention Basin	28-Jan-15	8.54E-01	2.31E+00	No
F-012 281-8F Retention Basin	5-Mar-15	5.05E+00	2.76E+00	No
F-012 281-8F Retention Basin	19-Apr-15	4.30E+00	2.72E+00	No
F-012 281-8F Retention Basin	3-Jun-15	8.11E+00	3.49E+00	No
F-012 281-8F Retention Basin	18-Jul-15	1.47E+01	4.80E+00	Yes
F-012 281-8F Retention Basin	25-Aug-15	1.02E+01	3.57E+00	Yes
F-012 281-8F Retention Basin	13-Oct-15	7.05E+00	2.39E+00	No
F-012 281-8F Retention Basin	11-Nov-15	4.35E+00	2.28E+00	No
F-013 200-F Cooling Basin	24-Jun-15	7.59E-01	2.61E+00	No
F-013 200-F Cooling Basin	26-Aug-15	2.86E+00	2.23E+00	No
F-013 200-F Cooling Basin	4-Oct-15	1.57E+00	2.14E+00	No
F-013 200-F Cooling Basin	16-Dec-15	-1.68E+00	2.23E+00	No
F-05	2-Feb-15	1.04E+00	2.28E+00	No
F-05	2-Mar-15	8.49E-01	2.66E+00	No
F-05	6-Apr-15	5.11E+00	2.55E+00	No
F-05	4-May-15	1.41E+00	2.25E+00	No
F-05	6-Jul-15	-2.13E+00	2.21E+00	No
F-05	3-Aug-15	2.39E+00	2.32E+00	No
F-05	8-Sep-15	9.76E-01	1.90E+00	No
F-05	5-Oct-15	-2.35E-01	2.19E+00	No
F-05	2-Nov-15	1.88E+00	2.19E+00	No
F-05	7-Dec-15	-3.86E-01	1.94E+00	No
F-05	4-Jan-16	5.19E-01	2.01E+00	No
FM-1C H-Area Effluent	2-Feb-15	1.15E+00	2.08E+00	No
FM-1C H-Area Effluent	2-Mar-15	2.49E-01	2.41E+00	No
FM-1C H-Area Effluent	6-Apr-15	2.42E+00	2.17E+00	No
FM-1C H-Area Effluent	4-May-15	-2.43E-01	2.39E+00	No
FM-1C H-Area Effluent	1-Jun-15	-3.08E+00	2.46E+00	No
FM-1C H-Area Effluent	6-Jul-15	6.11E-01	2.46E+00	No
FM-1C H-Area Effluent	3-Aug-15	-2.34E-01	2.16E+00	No
FM-1C H-Area Effluent	8-Sep-15	3.11E+00	2.31E+00	No
FM-1C H-Area Effluent	5-Oct-15	-1.55E+00	2.22E+00	No
FM-1C H-Area Effluent	2-Nov-15	-8.03E-01	2.15E+00	No
FM-1C H-Area Effluent	7-Dec-15	-1.39E+00	2.00E+00	No
FM-1C H-Area Effluent	4-Jan-16	4.65E-01	2.20E+00	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Cs-137		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-3 F-Area Effluent	2-Feb-15	-1.49E+00	2.22E+00	No
FM-3 F-Area Effluent	2-Mar-15	3.22E+00	2.54E+00	No
FM-3 F-Area Effluent	6-Apr-15	4.43E+00	2.03E+00	No
FM-3 F-Area Effluent	4-May-15	-1.54E+00	2.20E+00	No
FM-3 F-Area Effluent	1-Jun-15	-2.53E-01	2.25E+00	No
FM-3 F-Area Effluent	6-Jul-15	5.78E+00	2.41E+00	No
FM-3 F-Area Effluent	3-Aug-15	-9.81E-01	2.32E+00	No
FM-3 F-Area Effluent	8-Sep-15	2.64E+00	2.16E+00	No
FM-3 F-Area Effluent	5-Oct-15	-3.95E-01	2.21E+00	No
FM-3 F-Area Effluent	2-Nov-15	-9.76E-01	2.21E+00	No
FM-3 F-Area Effluent	7-Dec-15	-1.23E+00	1.90E+00	No
FM-3 F-Area Effluent	4-Jan-16	-1.78E+00	2.01E+00	No
H-004	2-Feb-15	-1.72E+00	2.21E+00	No
H-004	2-Mar-15	-8.62E-01	2.63E+00	No
H-004	6-Apr-15	2.09E+00	2.43E+00	No
H-004	4-May-15	-4.22E+00	2.01E+00	No
H-004	1-Jun-15	-1.07E+00	2.25E+00	No
H-004	6-Jul-15	1.25E+00	2.32E+00	No
H-004	3-Aug-15	7.35E-01	2.19E+00	No
H-004	8-Sep-15	-1.70E-01	1.90E+00	No
H-004	5-Oct-15	4.49E+00	2.13E+00	No
H-004	2-Nov-15	-5.19E-02	2.15E+00	No
H-004	7-Dec-15	8.97E-02	1.96E+00	No
H-004	4-Jan-16	-1.81E-01	1.97E+00	No
H-017 281-8H Retention Basin	6-Jan-15	4.14E+01	4.86E+00	Yes
H-017 281-8H Retention Basin	13-Feb-15	2.37E+01	4.83E+00	Yes
H-017 281-8H Retention Basin	28-Feb-15	3.41E+01	5.23E+00	Yes
H-017 281-8H Retention Basin	27-Mar-15	3.22E+01	4.54E+00	Yes
H-017 281-8H Retention Basin	18-Apr-15	3.86E+01	5.88E+00	Yes
H-017 281-8H Retention Basin	29-Apr-15	4.05E+01	5.17E+00	Yes
H-017 281-8H Retention Basin	30-May-15	7.57E+01	7.58E+00	Yes
H-017 281-8H Retention Basin	6-Jun-15	6.41E+01	7.14E+00	Yes
H-017 281-8H Retention Basin	25-Jun-15	7.49E+01	7.96E+00	Yes
H-017 281-8H Retention Basin	10-Jul-15	7.76E+01	7.41E+00	Yes
H-017 281-8H Retention Basin	21-Jul-15	7.92E+01	7.70E+00	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Cs-137		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
H-017 281-8H Retention Basin	1-Aug-15	5.51E+01	6.09E+00	Yes
H-017 281-8H Retention Basin	23-Aug-15	6.03E+01	6.55E+00	Yes
H-017 281-8H Retention Basin	10-Sep-15	5.00E+01	5.84E+00	Yes
H-017 281-8H Retention Basin	28-Sep-15	4.32E+01	4.94E+00	Yes
H-017 281-8H Retention Basin	7-Oct-15	5.32E+01	5.45E+00	Yes
H-017 281-8H Retention Basin	14-Oct-15	5.05E+01	5.99E+00	Yes
H-017 281-8H Retention Basin	6-Nov-15	3.19E+01	3.94E+00	Yes
H-017 281-8H Retention Basin	25-Nov-15	4.49E+01	6.06E+00	Yes
H-017 281-8H Retention Basin	18-Dec-15	4.54E+01	5.57E+00	Yes
H-017 281-8H Retention Basin	1-Jan-16	2.73E+01	4.62E+00	Yes
HP-15 Tritium Facility Outfall	2-Feb-15	-3.78E-01	2.18E+00	No
HP-15 Tritium Facility Outfall	2-Mar-15	1.27E+00	2.66E+00	No
HP-15 Tritium Facility Outfall	6-Apr-15	-9.81E-01	2.45E+00	No
HP-15 Tritium Facility Outfall	4-May-15	-3.35E-01	2.27E+00	No
HP-15 Tritium Facility Outfall	1-Jun-15	-2.81E+00	2.42E+00	No
HP-15 Tritium Facility Outfall	6-Jul-15	-9.57E-01	2.24E+00	No
HP-15 Tritium Facility Outfall	3-Aug-15	-4.27E+00	2.14E+00	No
HP-15 Tritium Facility Outfall	8-Sep-15	-1.43E+00	1.98E+00	No
HP-15 Tritium Facility Outfall	5-Oct-15	1.78E+00	2.06E+00	No
HP-15 Tritium Facility Outfall	2-Nov-15	3.32E+00	2.56E+00	No
HP-15 Tritium Facility Outfall	7-Dec-15	1.68E+00	1.96E+00	No
HP-15 Tritium Facility Outfall	4-Jan-16	-6.81E-02	2.18E+00	No
K Canal	2-Feb-15	2.47E-02	2.12E+00	No
K Canal	2-Mar-15	-3.43E+00	2.23E+00	No
K Canal	6-Apr-15	2.39E+00	2.37E+00	No
K Canal	4-May-15	-6.46E-01	2.02E+00	No
K Canal	1-Jun-15	-4.35E-01	2.51E+00	No
K Canal	6-Jul-15	7.08E-01	2.15E+00	No
K Canal	3-Aug-15	-1.27E+00	2.11E+00	No
K Canal	8-Sep-15	-5.62E+00	2.20E+00	No
K Canal	5-Oct-15	-2.89E-01	1.94E+00	No
K Canal	2-Nov-15	3.16E-01	2.23E+00	No
K Canal	7-Dec-15	-1.49E+00	1.90E+00	No
K Canal	4-Jan-16	-8.05E-02	2.15E+00	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Cs-137		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
L-07	2-Feb-15	2.86E-01	2.17E+00	No
L-07	2-Mar-15	-1.75E+00	2.29E+00	No
L-07	6-Apr-15	-2.20E+00	2.45E+00	No
L-07	4-May-15	2.84E-01	1.96E+00	No
L-07	1-Jun-15	2.56E+00	2.19E+00	No
L-07	6-Jul-15	-1.52E+00	2.18E+00	No
L-07	3-Aug-15	-2.86E+00	2.41E+00	No
L-07	8-Sep-15	4.49E-01	2.03E+00	No
L-07	5-Oct-15	1.30E+00	2.31E+00	No
L-07	2-Nov-15	-2.34E+00	2.01E+00	No
L-07	7-Dec-15	-7.89E-01	2.06E+00	No
L-07	4-Jan-16	1.95E+00	2.17E+00	No
S-004	2-Feb-15	3.43E-01	2.23E+00	No
S-004	2-Mar-15	-5.46E+00	2.18E+00	No
S-004	6-Apr-15	-2.19E+00	2.50E+00	No
S-004	4-May-15	-1.83E+00	2.14E+00	No
S-004	3-Aug-15	2.95E+00	2.15E+00	No
S-004	8-Sep-15	-1.82E+00	2.28E+00	No
S-004	5-Oct-15	5.22E-01	2.21E+00	No
S-004	2-Nov-15	-3.62E+00	2.24E+00	No
S-004	7-Dec-15	2.69E+00	1.94E+00	No
S-004	4-Jan-16	-1.23E+00	1.81E+00	No
TB-2 Outfall at Road 1A	2-Feb-15	-9.19E-01	2.46E+00	No
TB-2 Outfall at Road 1A	2-Mar-15	1.67E-01	2.33E+00	No
TB-2 Outfall at Road 1A	6-Apr-15	1.18E+00	2.13E+00	No
TB-2 Outfall at Road 1A	4-May-15	4.03E+00	2.14E+00	No
TB-2 Outfall at Road 1A	1-Jun-15	2.15E-01	2.13E+00	No
TB-2 Outfall at Road 1A	6-Jul-15	4.89E+00	2.14E+00	No
TB-2 Outfall at Road 1A	3-Aug-15	1.29E+00	2.19E+00	No
TB-2 Outfall at Road 1A	8-Sep-15	2.12E+00	2.14E+00	No
TB-2 Outfall at Road 1A	5-Oct-15	-3.73E+00	2.11E+00	No
TB-2 Outfall at Road 1A	2-Nov-15	-8.24E-02	2.25E+00	No
TB-2 Outfall at Road 1A	7-Dec-15	-2.29E-01	1.93E+00	No
TB-2 Outfall at Road 1A	4-Jan-16	-5.76E+00	2.11E+00	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Cs-137		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	5-Jan-15	4.05E+00	2.66E+00	No
U3R-2A ETP Outfall at Road C	12-Jan-15	-3.59E-01	2.24E+00	No
U3R-2A ETP Outfall at Road C	20-Jan-15	-4.32E+00	2.06E+00	No
U3R-2A ETP Outfall at Road C	26-Jan-15	2.15E+00	1.95E+00	No
U3R-2A ETP Outfall at Road C	2-Feb-15	3.27E-01	1.96E+00	No
U3R-2A ETP Outfall at Road C	9-Feb-15	2.69E+00	2.49E+00	No
U3R-2A ETP Outfall at Road C	17-Feb-15	-1.33E+00	2.28E+00	No
U3R-2A ETP Outfall at Road C	23-Feb-15	3.65E-01	2.10E+00	No
U3R-2A ETP Outfall at Road C	2-Mar-15	2.73E+00	2.05E+00	No
U3R-2A ETP Outfall at Road C	9-Mar-15	8.78E-01	2.16E+00	No
U3R-2A ETP Outfall at Road C	16-Mar-15	8.95E-01	2.04E+00	No
U3R-2A ETP Outfall at Road C	23-Mar-15	-1.11E+00	1.98E+00	No
U3R-2A ETP Outfall at Road C	6-Apr-15	4.38E+00	2.43E+00	No
U3R-2A ETP Outfall at Road C	13-Apr-15	-1.85E+00	2.18E+00	No
U3R-2A ETP Outfall at Road C	20-Apr-15	8.32E-01	2.06E+00	No
U3R-2A ETP Outfall at Road C	27-Apr-15	1.09E+00	2.04E+00	No
U3R-2A ETP Outfall at Road C	4-May-15	8.70E-01	2.29E+00	No
U3R-2A ETP Outfall at Road C	11-May-15	2.12E+00	2.46E+00	No
U3R-2A ETP Outfall at Road C	26-May-15	1.34E+00	2.18E+00	No
U3R-2A ETP Outfall at Road C	1-Jun-15	4.78E-01	2.09E+00	No
U3R-2A ETP Outfall at Road C	8-Jun-15	4.11E-01	2.11E+00	No
U3R-2A ETP Outfall at Road C	15-Jun-15	2.46E+00	2.24E+00	No
U3R-2A ETP Outfall at Road C	22-Jun-15	-3.16E+00	2.24E+00	No
U3R-2A ETP Outfall at Road C	29-Jun-15	8.62E-01	1.96E+00	No
U3R-2A ETP Outfall at Road C	6-Jul-15	3.03E+00	2.15E+00	No
U3R-2A ETP Outfall at Road C	13-Jul-15	-5.38E+00	2.15E+00	No
U3R-2A ETP Outfall at Road C	20-Jul-15	3.19E+02	2.26E+01	Yes
U3R-2A ETP Outfall at Road C	27-Jul-15	4.89E+01	5.86E+00	Yes
U3R-2A ETP Outfall at Road C	3-Aug-15	9.24E+00	4.35E+00	No
U3R-2A ETP Outfall at Road C	17-Aug-15	1.05E+01	3.67E+00	Yes
U3R-2A ETP Outfall at Road C	31-Aug-15	2.58E+00	2.16E+00	No
U3R-2A ETP Outfall at Road C	8-Sep-15	-3.05E+00	2.24E+00	No
U3R-2A ETP Outfall at Road C	21-Sep-15	1.19E+00	2.28E+00	No
U3R-2A ETP Outfall at Road C	28-Sep-15	1.19E+00	2.13E+00	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Cs-137		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	12-Oct-15	2.09E+02	1.54E+01	Yes
U3R-2A ETP Outfall at Road C	19-Oct-15	2.68E+02	1.92E+01	Yes
U3R-2A ETP Outfall at Road C	26-Oct-15	5.65E+02	3.83E+01	Yes
U3R-2A ETP Outfall at Road C	2-Nov-15	5.24E+02	3.58E+01	Yes
U3R-2A ETP Outfall at Road C	9-Nov-15	4.97E+02	3.38E+01	Yes
U3R-2A ETP Outfall at Road C	16-Nov-15	6.16E+02	4.14E+01	Yes
U3R-2A ETP Outfall at Road C	7-Dec-15	4.59E+02	3.15E+01	Yes
U3R-2A ETP Outfall at Road C	14-Dec-15	3.89E+02	2.67E+01	Yes
U3R-2A ETP Outfall at Road C	28-Dec-15	4.43E+02	3.00E+01	Yes
U3R-2A ETP Outfall at Road C	4-Jan-16	6.35E+02	4.21E+01	Yes
HP-52 H-Area Tank Farm	3-Feb-15	-9.70E-01	1.98E+00	No
HP-52 H-Area Tank Farm	3-Mar-15	7.43E-01	2.52E+00	No
HP-52 H-Area Tank Farm	7-Apr-15	1.55E-01	2.63E+00	No
HP-52 H-Area Tank Farm	5-May-15	5.76E+00	3.40E+00	No
HP-52 H-Area Tank Farm	2-Jun-15	5.38E+00	2.38E+00	No
HP-52 H-Area Tank Farm	7-Jul-15	6.27E-01	2.49E+00	No
HP-52 H-Area Tank Farm	4-Aug-15	5.70E+00	2.38E+00	No
HP-52 H-Area Tank Farm	9-Sep-15	1.15E+00	2.34E+00	No
HP-52 H-Area Tank Farm	6-Oct-15	2.31E+00	2.24E+00	No
HP-52 H-Area Tank Farm	3-Nov-15	7.89E+00	2.67E+00	Yes
HP-52 H-Area Tank Farm	8-Dec-15	4.38E+00	2.32E+00	No
HP-52 H-Area Tank Farm	5-Jan-16	-1.61E-01	2.12E+00	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Sr-89/90		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
F-012 281-8F Retention Basin	28-Jan-15	3.49E+00	1.27E+00	No
F-012 281-8F Retention Basin	5-Mar-15	6.97E+00	1.63E+00	Yes
F-012 281-8F Retention Basin	19-Apr-15	-7.54E-01	9.36E-01	No
F-012 281-8F Retention Basin	3-Jun-15	3.35E+00	1.20E+00	Yes
F-012 281-8F Retention Basin	18-Jul-15	2.45E+00	1.17E+00	No
F-012 281-8F Retention Basin	25-Aug-15	1.98E+00	9.63E-01	No
F-012 281-8F Retention Basin	13-Oct-15	2.29E-01	9.78E-01	No
F-012 281-8F Retention Basin	11-Nov-15	2.12E+00	1.29E+00	No
F-013 200-F Cooling Basin	24-Jun-15	6.59E-01	9.71E-01	No
F-013 200-F Cooling Basin	26-Aug-15	1.60E+00	1.02E+00	No
F-013 200-F Cooling Basin	4-Oct-15	6.51E-02	9.21E-01	No
F-013 200-F Cooling Basin	16-Dec-15	1.24E+00	9.48E-01	No
F-05	2-Feb-15	4.32E+00	5.00E-01	Yes
F-05	2-Mar-15	3.14E+00	4.26E-01	Yes
F-05	6-Apr-15	4.27E+00	4.72E-01	Yes
F-05	4-May-15	6.05E-01	2.06E-01	Yes
F-05	6-Jul-15	1.27E+00	2.77E-01	Yes
F-05	3-Aug-15	1.51E+01	1.07E+00	Yes
F-05	8-Sep-15	2.39E+00	3.25E-01	Yes
F-05	5-Oct-15	1.12E+00	2.72E-01	Yes
F-05	2-Nov-15	1.01E+01	7.03E-01	Yes
F-05	7-Dec-15	2.41E-01	2.14E-01	No
F-05	4-Jan-16	4.11E+00	3.77E-01	Yes
FM-1C H-Area Effluent	2-Feb-15	4.81E-01	2.37E-01	No
FM-1C H-Area Effluent	2-Mar-15	1.26E+00	3.14E-01	Yes
FM-1C H-Area Effluent	6-Apr-15	4.03E-01	2.05E-01	No
FM-1C H-Area Effluent	4-May-15	9.76E-01	2.67E-01	Yes
FM-1C H-Area Effluent	1-Jun-15	8.08E-01	2.49E-01	Yes
FM-1C H-Area Effluent	6-Jul-15	6.22E-01	2.15E-01	Yes
FM-1C H-Area Effluent	3-Aug-15	1.54E+00	3.24E-01	Yes
FM-1C H-Area Effluent	8-Sep-15	4.16E-01	1.93E-01	No
FM-1C H-Area Effluent	5-Oct-15	8.05E-01	2.48E-01	Yes
FM-1C H-Area Effluent	2-Nov-15	6.59E-01	1.71E-01	Yes
FM-1C H-Area Effluent	7-Dec-15	4.84E-01	2.26E-01	No
FM-1C H-Area Effluent	4-Jan-16	4.32E-01	1.54E-01	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Sr-89/90		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-3 F-Area Effluent	2-Feb-15	2.40E-01	2.21E-01	No
FM-3 F-Area Effluent	2-Mar-15	8.51E-01	2.74E-01	Yes
FM-3 F-Area Effluent	6-Apr-15	-1.26E-01	1.56E-01	No
FM-3 F-Area Effluent	4-May-15	2.30E-01	2.14E-01	No
FM-3 F-Area Effluent	1-Jun-15	7.03E-02	1.85E-01	No
FM-3 F-Area Effluent	6-Jul-15	3.41E-01	2.13E-01	No
FM-3 F-Area Effluent	3-Aug-15	-1.20E-01	1.74E-01	No
FM-3 F-Area Effluent	8-Sep-15	9.70E-02	1.73E-01	No
FM-3 F-Area Effluent	5-Oct-15	1.26E-02	1.78E-01	No
FM-3 F-Area Effluent	2-Nov-15	3.54E-01	1.47E-01	No
FM-3 F-Area Effluent	7-Dec-15	3.32E-01	2.28E-01	No
FM-3 F-Area Effluent	4-Jan-16	1.96E-01	1.42E-01	No
H-004	2-Feb-15	9.30E-01	9.78E-01	No
H-004	2-Mar-15	-8.19E-02	9.40E-01	No
H-004	6-Apr-15	-5.08E-01	8.72E-01	No
H-004	4-May-15	-2.15E-01	9.21E-01	No
H-004	1-Jun-15	1.05E+00	1.14E+00	No
H-004	6-Jul-15	-7.32E-01	9.36E-01	No
H-004	3-Aug-15	4.57E-01	9.86E-01	No
H-004	8-Sep-15	1.51E+00	1.04E+00	No
H-004	5-Oct-15	1.02E+00	1.05E+00	No
H-004	2-Nov-15	1.05E+00	9.89E-01	No
H-004	7-Dec-15	1.46E+00	7.02E-01	No
H-004	4-Jan-16	-1.11E+00	8.26E-01	No
H-017 281-8H Retention Basin	6-Jan-15	3.27E+00	1.15E+00	Yes
H-017 281-8H Retention Basin	13-Feb-15	2.28E+00	1.37E+00	No
H-017 281-8H Retention Basin	28-Feb-15	4.14E+00	1.44E+00	Yes
H-017 281-8H Retention Basin	27-Mar-15	3.35E+00	1.53E+00	No
H-017 281-8H Retention Basin	18-Apr-15	3.73E+00	1.38E+00	No
H-017 281-8H Retention Basin	29-Apr-15	3.08E+00	1.19E+00	No
H-017 281-8H Retention Basin	30-May-15	2.25E+00	1.09E+00	No
H-017 281-8H Retention Basin	6-Jun-15	4.08E+00	1.22E+00	Yes
H-017 281-8H Retention Basin	25-Jun-15	2.51E+00	1.20E+00	No
H-017 281-8H Retention Basin	10-Jul-15	3.46E+00	1.36E+00	No
H-017 281-8H Retention Basin	21-Jul-15	4.95E+00	1.38E+00	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Sr-89/90		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
H-017 281-8H Retention Basin	1-Aug-15	2.70E+00	1.21E+00	No
H-017 281-8H Retention Basin	23-Aug-15	3.92E+00	1.12E+00	Yes
H-017 281-8H Retention Basin	10-Sep-15	5.59E+00	1.35E+00	Yes
H-017 281-8H Retention Basin	28-Sep-15	3.19E+00	1.22E+00	No
H-017 281-8H Retention Basin	7-Oct-15	2.39E+00	1.09E+00	No
H-017 281-8H Retention Basin	14-Oct-15	2.78E+00	1.11E+00	No
H-017 281-8H Retention Basin	6-Nov-15	8.49E-01	1.12E+00	No
H-017 281-8H Retention Basin	25-Nov-15	1.74E+00	1.05E+00	No
H-017 281-8H Retention Basin	18-Dec-15	3.08E+00	1.09E+00	Yes
H-017 281-8H Retention Basin	1-Jan-16	1.45E+00	7.67E-01	No
HP-15 Tritium Facility Outfall	2-Feb-15	5.32E-01	2.22E-01	No
HP-15 Tritium Facility Outfall	2-Mar-15	8.05E-02	2.02E-01	No
HP-15 Tritium Facility Outfall	6-Apr-15	4.49E-01	2.17E-01	No
HP-15 Tritium Facility Outfall	4-May-15	5.11E-02	1.70E-01	No
HP-15 Tritium Facility Outfall	1-Jun-15	9.65E-02	2.02E-01	No
HP-15 Tritium Facility Outfall	6-Jul-15	-6.32E-02	1.95E-01	No
HP-15 Tritium Facility Outfall	3-Aug-15	3.03E-01	2.16E-01	No
HP-15 Tritium Facility Outfall	8-Sep-15	4.86E-02	1.65E-01	No
HP-15 Tritium Facility Outfall	5-Oct-15	1.96E-01	2.02E-01	No
HP-15 Tritium Facility Outfall	2-Nov-15	1.25E-02	1.76E-01	No
HP-15 Tritium Facility Outfall	7-Dec-15	-5.89E-03	1.15E-01	No
HP-15 Tritium Facility Outfall	4-Jan-16	-1.53E-01	1.68E-01	No
K Canal	2-Feb-15	1.46E-01	1.91E-01	No
K Canal	2-Mar-15	1.01E-01	2.10E-01	No
K Canal	6-Apr-15	1.43E-01	2.04E-01	No
K Canal	4-May-15	1.12E-01	1.25E-01	No
K Canal	1-Jun-15	1.02E-01	2.14E-01	No
K Canal	6-Jul-15	9.32E-02	2.07E-01	No
K Canal	3-Aug-15	2.59E-01	1.83E-01	No
K Canal	8-Sep-15	9.92E-02	1.68E-01	No
K Canal	5-Oct-15	2.86E-02	2.00E-01	No
K Canal	2-Nov-15	1.62E-01	1.91E-01	No
K Canal	7-Dec-15	1.53E-02	1.16E-01	No
K Canal	4-Jan-16	1.12E-01	1.95E-01	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Sr-89/90		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
L-07	2-Feb-15	3.19E-01	2.15E-01	No
L-07	2-Mar-15	1.28E-01	2.04E-01	No
L-07	6-Apr-15	-7.11E-02	1.76E-01	No
L-07	4-May-15	1.25E-01	2.02E-01	No
L-07	1-Jun-15	2.49E-01	2.33E-01	No
L-07	6-Jul-15	-1.59E-01	1.86E-01	No
L-07	3-Aug-15	1.28E-01	2.07E-01	No
L-07	8-Sep-15	3.51E-01	1.92E-01	No
L-07	5-Oct-15	-1.91E-01	1.79E-01	No
L-07	2-Nov-15	-1.45E-02	1.87E-01	No
L-07	7-Dec-15	-2.61E-02	1.17E-01	No
L-07	4-Jan-16	7.43E-02	1.90E-01	No
S-004	2-Feb-15	5.97E-01	9.36E-01	No
S-004	2-Mar-15	-1.98E+00	7.77E-01	No
S-004	6-Apr-15	2.21E+00	1.13E+00	No
S-004	4-May-15	1.37E+00	1.00E+00	No
S-004	3-Aug-15	-7.59E-01	8.55E-01	No
S-004	8-Sep-15	6.84E-01	9.63E-01	No
S-004	5-Oct-15	8.49E-01	1.04E+00	No
S-004	2-Nov-15	-2.36E-01	8.76E-01	No
S-004	7-Dec-15	-5.11E-01	5.30E-01	No
S-004	4-Jan-16	9.05E-01	1.02E+00	No
U3R-2A ETP Outfall at Road C	5-Jan-15	1.05E+00	7.95E-01	No
U3R-2A ETP Outfall at Road C	12-Jan-15	8.41E-01	9.00E-01	No
U3R-2A ETP Outfall at Road C	20-Jan-15	2.26E-01	8.23E-01	No
U3R-2A ETP Outfall at Road C	26-Jan-15	1.51E+00	9.04E-01	No
U3R-2A ETP Outfall at Road C	2-Feb-15	6.22E-01	8.13E-01	No
U3R-2A ETP Outfall at Road C	9-Feb-15	2.34E+00	1.05E+00	No
U3R-2A ETP Outfall at Road C	17-Feb-15	2.24E+00	9.36E-01	No
U3R-2A ETP Outfall at Road C	23-Feb-15	2.65E-01	8.59E-01	No
U3R-2A ETP Outfall at Road C	2-Mar-15	2.10E+00	1.01E+00	No
U3R-2A ETP Outfall at Road C	9-Mar-15	1.17E+00	9.21E-01	No
U3R-2A ETP Outfall at Road C	16-Mar-15	2.78E-01	8.55E-01	No
U3R-2A ETP Outfall at Road C	23-Mar-15	-4.05E-01	6.98E-01	No
U3R-2A ETP Outfall at Road C	6-Apr-15	5.70E-01	7.47E-01	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Sr-89/90		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	13-Apr-15	-1.07E-01	6.69E-01	No
U3R-2A ETP Outfall at Road C	20-Apr-15	1.34E+00	8.67E-01	No
U3R-2A ETP Outfall at Road C	27-Apr-15	-2.46E-01	6.40E-01	No
U3R-2A ETP Outfall at Road C	4-May-15	1.49E-01	6.50E-01	No
U3R-2A ETP Outfall at Road C	11-May-15	1.71E+00	8.17E-01	No
U3R-2A ETP Outfall at Road C	26-May-15	-1.55E-01	3.73E-01	No
U3R-2A ETP Outfall at Road C	1-Jun-15	2.97E-01	7.19E-01	No
U3R-2A ETP Outfall at Road C	8-Jun-15	-1.06E-01	6.61E-01	No
U3R-2A ETP Outfall at Road C	15-Jun-15	1.36E+00	8.80E-01	No
U3R-2A ETP Outfall at Road C	22-Jun-15	1.11E+00	8.84E-01	No
U3R-2A ETP Outfall at Road C	29-Jun-15	2.66E-01	9.17E-01	No
U3R-2A ETP Outfall at Road C	6-Jul-15	-3.59E-01	7.31E-01	No
U3R-2A ETP Outfall at Road C	13-Jul-15	8.73E-01	7.40E-01	No
U3R-2A ETP Outfall at Road C	20-Jul-15	9.03E-01	7.75E-01	No
U3R-2A ETP Outfall at Road C	27-Jul-15	-5.86E-01	6.70E-01	No
U3R-2A ETP Outfall at Road C	3-Aug-15	7.16E-01	8.22E-01	No
U3R-2A ETP Outfall at Road C	17-Aug-15	6.92E-01	7.81E-01	No
U3R-2A ETP Outfall at Road C	31-Aug-15	2.97E+00	8.92E-01	Yes
U3R-2A ETP Outfall at Road C	8-Sep-15	-2.51E-01	6.28E-01	No
U3R-2A ETP Outfall at Road C	21-Sep-15	7.35E-01	7.99E-01	No
U3R-2A ETP Outfall at Road C	28-Sep-15	-1.96E-01	7.27E-01	No
U3R-2A ETP Outfall at Road C	12-Oct-15	-4.19E-02	7.24E-01	No
U3R-2A ETP Outfall at Road C	19-Oct-15	1.15E-01	7.15E-01	No
U3R-2A ETP Outfall at Road C	26-Oct-15	2.41E-01	5.10E-01	No
U3R-2A ETP Outfall at Road C	2-Nov-15	4.62E-02	4.86E-01	No
U3R-2A ETP Outfall at Road C	9-Nov-15	5.03E-01	8.29E-01	No
U3R-2A ETP Outfall at Road C	16-Nov-15	1.03E+00	9.09E-01	No
U3R-2A ETP Outfall at Road C	7-Dec-15	-1.01E+00	6.93E-01	No
U3R-2A ETP Outfall at Road C	14-Dec-15	5.49E-01	7.25E-01	No
U3R-2A ETP Outfall at Road C	28-Dec-15	7.46E-01	5.39E-01	No
U3R-2A ETP Outfall at Road C	4-Jan-16	6.08E-02	5.05E-01	No
HP-52 H-Area Tank Farm	3-Feb-15	5.16E-01	2.30E-01	No
HP-52 H-Area Tank Farm	3-Mar-15	2.89E-01	2.21E-01	No
HP-52 H-Area Tank Farm	7-Apr-15	5.92E-02	1.98E-01	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Sr-89/90		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
HP-52 H-Area Tank Farm	2-Jun-15	-6.73E-02	1.75E-01	No
HP-52 H-Area Tank Farm	7-Jul-15	2.20E-01	2.25E-01	No
HP-52 H-Area Tank Farm	4-Aug-15	2.59E-01	2.47E-01	No
HP-52 H-Area Tank Farm	9-Sep-15	1.48E-01	1.91E-01	No
HP-52 H-Area Tank Farm	6-Oct-15	1.88E-01	2.08E-01	No
HP-52 H-Area Tank Farm	3-Nov-15	1.40E-01	1.93E-01	No
HP-52 H-Area Tank Farm	8-Dec-15	3.51E-01	1.97E-01	No
HP-52 H-Area Tank Farm	5-Jan-16	1.02E-01	1.71E-01	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	I-129		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
F-012 281-8F Retention Basin	28-Jan-15	5.35E-01	2.42E-01	No
F-012 281-8F Retention Basin	5-Mar-15	1.61E-01	2.38E-01	No
F-012 281-8F Retention Basin	19-Apr-15	4.22E-02	2.36E-01	No
F-012 281-8F Retention Basin	3-Jun-15	3.86E-01	2.63E-01	No
F-012 281-8F Retention Basin	18-Jul-15	7.08E-02	2.78E-01	No
F-012 281-8F Retention Basin	25-Aug-15	1.71E-01	3.03E-01	No
F-012 281-8F Retention Basin	13-Oct-15	-3.54E-01	2.90E-01	No
F-012 281-8F Retention Basin	11-Nov-15	-9.05E-02	2.48E-01	No
F-013 200-F Cooling Basin	24-Jun-15	-2.86E-01	2.38E-01	No
F-013 200-F Cooling Basin	26-Aug-15	-1.35E-01	2.52E-01	No
F-013 200-F Cooling Basin	4-Oct-15	-9.51E-03	3.58E-01	No
F-013 200-F Cooling Basin	16-Dec-15	3.08E-02	2.85E-01	No
F-05	2-Feb-15	-2.07E-01	2.56E-01	No
F-05	2-Mar-15	1.15E-01	2.76E-01	No
F-05	6-Apr-15	7.89E-02	2.40E-01	No
F-05	4-May-15	1.89E-01	2.40E-01	No
F-05	6-Jul-15	6.03E-01	2.44E-01	No
F-05	3-Aug-15	-1.66E-01	2.68E-01	No
F-05	8-Sep-15	3.95E-01	2.80E-01	No
F-05	5-Oct-15	5.16E-01	2.99E-01	No
F-05	2-Nov-15	6.81E-02	2.55E-01	No
F-05	7-Dec-15	-2.47E-02	2.48E-01	No
F-05	4-Jan-16	1.62E-01	2.66E-01	No
FM-3 F-Area Effluent	2-Feb-15	6.95E-02	2.74E-01	No
FM-3 F-Area Effluent	2-Mar-15	7.16E-01	3.91E-01	No
FM-3 F-Area Effluent	6-Apr-15	1.88E+00	6.30E-01	Yes
FM-3 F-Area Effluent	4-May-15	-3.76E-01	2.41E-01	No
FM-3 F-Area Effluent	1-Jun-15	1.06E-01	2.34E-01	No
FM-3 F-Area Effluent	6-Jul-15	2.42E-01	2.45E-01	No
FM-3 F-Area Effluent	3-Aug-15	9.46E-01	5.53E-01	No
FM-3 F-Area Effluent	8-Sep-15	8.03E-01	4.15E-01	No
FM-3 F-Area Effluent	5-Oct-15	9.78E-02	3.01E-01	No
FM-3 F-Area Effluent	2-Nov-15	-1.40E-01	2.47E-01	No
FM-3 F-Area Effluent	7-Dec-15	5.81E-01	2.27E-01	No
FM-3 F-Area Effluent	4-Jan-16	3.73E-01	2.57E-01	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	I-129		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
H-017 281-8H Retention Basin	6-Jan-15	-3.54E-01	2.43E-01	No
H-017 281-8H Retention Basin	13-Feb-15	9.46E-01	3.01E-01	No
H-017 281-8H Retention Basin	28-Feb-15	1.35E+00	3.98E-01	Yes
H-017 281-8H Retention Basin	27-Mar-15	8.05E-01	2.72E-01	No
H-017 281-8H Retention Basin	18-Apr-15	3.19E-01	2.31E-01	No
H-017 281-8H Retention Basin	29-Apr-15	1.96E-01	2.78E-01	No
H-017 281-8H Retention Basin	30-May-15	8.51E-01	4.12E-01	No
H-017 281-8H Retention Basin	6-Jun-15	5.57E-01	2.86E-01	No
H-017 281-8H Retention Basin	25-Jun-15	-4.24E-01	3.05E-01	No
H-017 281-8H Retention Basin	10-Jul-15	-2.97E-01	3.46E-01	No
H-017 281-8H Retention Basin	21-Jul-15	-2.12E-01	3.24E-01	No
H-017 281-8H Retention Basin	1-Aug-15	6.54E-01	3.02E-01	No
H-017 281-8H Retention Basin	23-Aug-15	2.92E-02	2.60E-01	No
H-017 281-8H Retention Basin	10-Sep-15	2.24E-02	4.71E-01	No
H-017 281-8H Retention Basin	28-Sep-15	-1.79E-01	3.41E-01	No
H-017 281-8H Retention Basin	7-Oct-15	1.18E-01	2.91E-01	No
H-017 281-8H Retention Basin	14-Oct-15	-1.42E-01	2.51E-01	No
H-017 281-8H Retention Basin	6-Nov-15	-3.43E-01	2.61E-01	No
H-017 281-8H Retention Basin	25-Nov-15	1.62E-01	2.53E-01	No
H-017 281-8H Retention Basin	18-Dec-15	1.52E+00	5.55E-01	Yes
H-017 281-8H Retention Basin	1-Jan-16	3.62E-01	2.81E-01	No
TB-2 Outfall at Road 1A	2-Feb-15	9.22E-02	2.69E-01	No
TB-2 Outfall at Road 1A	2-Mar-15	-3.38E-01	3.11E-01	No
TB-2 Outfall at Road 1A	6-Apr-15	5.54E-02	2.37E-01	No
TB-2 Outfall at Road 1A	4-May-15	-2.08E-01	2.43E-01	No
TB-2 Outfall at Road 1A	1-Jun-15	-6.24E-02	2.52E-01	No
TB-2 Outfall at Road 1A	6-Jul-15	5.73E-01	2.95E-01	No
TB-2 Outfall at Road 1A	3-Aug-15	1.33E-01	3.29E-01	No
TB-2 Outfall at Road 1A	8-Sep-15	1.09E-01	2.76E-01	No
TB-2 Outfall at Road 1A	5-Oct-15	-2.47E-01	3.45E-01	No
TB-2 Outfall at Road 1A	2-Nov-15	-6.32E-02	2.53E-01	No
TB-2 Outfall at Road 1A	7-Dec-15	6.81E-01	3.09E-01	No
TB-2 Outfall at Road 1A	4-Jan-16	2.39E-01	2.73E-01	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	U-234		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
F-012 281-8F Retention Basin	28-Jan-15	3.62E-02	2.06E-02	No
F-012 281-8F Retention Basin	5-Mar-15	8.30E-02	2.70E-02	Yes
F-012 281-8F Retention Basin	19-Apr-15	2.43E-02	1.41E-02	No
F-012 281-8F Retention Basin	3-Jun-15	6.51E-02	2.68E-02	Yes
F-012 281-8F Retention Basin	18-Jul-15	2.16E-02	1.86E-02	No
F-012 281-8F Retention Basin	25-Aug-15	5.97E-02	2.49E-02	Yes
F-012 281-8F Retention Basin	13-Oct-15	9.05E-02	3.13E-02	Yes
F-012 281-8F Retention Basin	11-Nov-15	8.46E-02	2.74E-02	Yes
F-013 200-F Cooling Basin	24-Jun-15	6.51E-02	2.36E-02	Yes
F-013 200-F Cooling Basin	26-Aug-15	1.02E-01	3.01E-02	Yes
F-013 200-F Cooling Basin	4-Oct-15	1.18E-01	3.51E-02	Yes
F-013 200-F Cooling Basin	16-Dec-15	1.07E-01	3.05E-02	Yes
F-05	2-Feb-15	7.22E-02	1.24E-02	Yes
F-05	2-Mar-15	9.41E-02	1.66E-02	Yes
F-05	6-Apr-15	4.73E-02	9.40E-03	Yes
F-05	4-May-15	1.30E-01	1.74E-02	Yes
F-05	6-Jul-15	5.14E-02	1.05E-02	Yes
F-05	3-Aug-15	2.49E-01	2.55E-02	Yes
F-05	8-Sep-15	2.76E-01	3.05E-02	Yes
F-05	5-Oct-15	5.49E-02	1.23E-02	Yes
F-05	2-Nov-15	3.89E-02	8.31E-03	Yes
F-05	7-Dec-15	4.57E-02	9.28E-03	Yes
F-05	4-Jan-16	5.27E-02	1.10E-02	Yes
FM-1C H-Area Effluent	2-Feb-15	1.85E-02	6.56E-03	Yes
FM-1C H-Area Effluent	2-Mar-15	1.61E-02	5.62E-03	Yes
FM-1C H-Area Effluent	6-Apr-15	9.00E-03	5.33E-03	No
FM-1C H-Area Effluent	4-May-15	1.94E-02	6.73E-03	Yes
FM-1C H-Area Effluent	1-Jun-15	4.54E-03	4.90E-03	No
FM-1C H-Area Effluent	6-Jul-15	1.53E-02	5.41E-03	Yes
FM-1C H-Area Effluent	3-Aug-15	3.24E-02	8.45E-03	Yes
FM-1C H-Area Effluent	8-Sep-15	1.46E-02	7.05E-03	Yes
FM-1C H-Area Effluent	5-Oct-15	1.16E-02	7.09E-03	No
FM-1C H-Area Effluent	2-Nov-15	1.48E-02	5.33E-03	Yes
FM-1C H-Area Effluent	7-Dec-15	1.90E-02	6.45E-03	Yes
FM-1C H-Area Effluent	4-Jan-16	3.16E-02	8.40E-03	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	U-234		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-3 F-Area Effluent	2-Feb-15	8.62E-02	1.39E-02	Yes
FM-3 F-Area Effluent	2-Mar-15	3.84E-02	8.63E-03	Yes
FM-3 F-Area Effluent	6-Apr-15	8.32E-02	1.36E-02	Yes
FM-3 F-Area Effluent	4-May-15	6.27E-02	1.15E-02	Yes
FM-3 F-Area Effluent	1-Jun-15	6.27E-02	1.24E-02	Yes
FM-3 F-Area Effluent	6-Jul-15	5.32E-02	1.00E-02	Yes
FM-3 F-Area Effluent	3-Aug-15	6.22E-02	1.14E-02	Yes
FM-3 F-Area Effluent	8-Sep-15	1.19E-01	1.75E-02	Yes
FM-3 F-Area Effluent	5-Oct-15	8.73E-02	1.51E-02	Yes
FM-3 F-Area Effluent	2-Nov-15	5.95E-02	1.08E-02	Yes
FM-3 F-Area Effluent	7-Dec-15	9.62E-02	1.43E-02	Yes
FM-3 F-Area Effluent	4-Jan-16	9.08E-02	1.45E-02	Yes
H-004	2-Feb-15	4.24E-01	6.90E-02	Yes
H-004	2-Mar-15	1.41E-01	3.93E-02	Yes
H-004	6-Apr-15	5.73E-01	8.59E-02	Yes
H-004	4-May-15	1.68E-01	3.83E-02	Yes
H-004	1-Jun-15	3.81E-01	6.28E-02	Yes
H-004	6-Jul-15	4.38E-01	6.85E-02	Yes
H-004	3-Aug-15	4.22E-01	6.66E-02	Yes
H-004	8-Sep-15	9.62E-02	3.15E-02	Yes
H-004	5-Oct-15	5.78E-01	8.10E-02	Yes
H-004	2-Nov-15	6.35E-01	8.55E-02	Yes
H-004	7-Dec-15	3.89E-01	6.19E-02	Yes
H-004	4-Jan-16	2.68E-01	5.21E-02	Yes
H-017 281-8H Retention Basin	6-Jan-15	1.04E-02	1.23E-02	No
H-017 281-8H Retention Basin	13-Feb-15	7.65E-02	3.06E-02	Yes
H-017 281-8H Retention Basin	28-Feb-15	6.08E-02	2.35E-02	Yes
H-017 281-8H Retention Basin	27-Mar-15	1.10E-01	3.36E-02	Yes
H-017 281-8H Retention Basin	18-Apr-15	8.14E-03	1.70E-02	No
H-017 281-8H Retention Basin	29-Apr-15	1.37E-02	1.64E-02	No
H-017 281-8H Retention Basin	30-May-15	3.41E-02	1.78E-02	No
H-017 281-8H Retention Basin	6-Jun-15	1.06E-02	1.31E-02	No
H-017 281-8H Retention Basin	25-Jun-15	4.95E-02	2.17E-02	No
H-017 281-8H Retention Basin	10-Jul-15	5.57E-02	2.30E-02	Yes
H-017 281-8H Retention Basin	21-Jul-15	6.76E-02	2.50E-02	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	U-234		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
H-017 281-8H Retention Basin	1-Aug-15	9.41E-02	3.07E-02	Yes
H-017 281-8H Retention Basin	23-Aug-15	7.68E-02	2.80E-02	Yes
H-017 281-8H Retention Basin	10-Sep-15	5.22E-02	2.12E-02	Yes
H-017 281-8H Retention Basin	28-Sep-15	9.22E-02	3.33E-02	Yes
H-017 281-8H Retention Basin	7-Oct-15	3.11E-02	1.80E-02	No
H-017 281-8H Retention Basin	14-Oct-15	7.65E-02	2.92E-02	Yes
H-017 281-8H Retention Basin	6-Nov-15	1.34E-01	3.58E-02	Yes
H-017 281-8H Retention Basin	25-Nov-15	4.38E-02	2.33E-02	No
H-017 281-8H Retention Basin	18-Dec-15	5.41E-02	2.17E-02	Yes
H-017 281-8H Retention Basin	1-Jan-16	3.16E-02	1.65E-02	No
S-004	2-Feb-15	7.22E-02	2.83E-02	Yes
S-004	2-Mar-15	7.51E-02	2.85E-02	Yes
S-004	6-Apr-15	1.37E-01	3.75E-02	Yes
S-004	4-May-15	8.16E-02	2.64E-02	Yes
S-004	3-Aug-15	1.00E-01	3.34E-02	Yes
S-004	8-Sep-15	7.51E-02	2.64E-02	Yes
S-004	5-Oct-15	1.08E-01	3.17E-02	Yes
S-004	2-Nov-15	1.77E-01	4.09E-02	Yes
S-004	7-Dec-15	3.86E-02	2.26E-02	No
S-004	4-Jan-16	9.00E-02	3.14E-02	Yes
TB-2 Outfall at Road 1A	2-Feb-15	6.62E-02	1.50E-02	Yes
TB-2 Outfall at Road 1A	2-Mar-15	1.46E-01	2.03E-02	Yes
TB-2 Outfall at Road 1A	6-Apr-15	8.62E-02	1.42E-02	Yes
TB-2 Outfall at Road 1A	4-May-15	8.86E-02	1.41E-02	Yes
TB-2 Outfall at Road 1A	1-Jun-15	7.38E-02	1.45E-02	Yes
TB-2 Outfall at Road 1A	6-Jul-15	1.46E-01	1.87E-02	Yes
TB-2 Outfall at Road 1A	3-Aug-15	7.95E-02	1.38E-02	Yes
TB-2 Outfall at Road 1A	8-Sep-15	9.08E-02	1.54E-02	Yes
TB-2 Outfall at Road 1A	5-Oct-15	2.01E-01	2.42E-02	Yes
TB-2 Outfall at Road 1A	2-Nov-15	9.62E-02	1.51E-02	Yes
TB-2 Outfall at Road 1A	7-Dec-15	8.51E-02	1.48E-02	Yes
TB-2 Outfall at Road 1A	4-Jan-16	5.11E-02	1.15E-02	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	U-234		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	5-Jan-15	6.59E-03	6.71E-03	No
U3R-2A ETP Outfall at Road C	12-Jan-15	3.19E-02	2.20E-02	No
U3R-2A ETP Outfall at Road C	20-Jan-15	2.08E-02	1.76E-02	No
U3R-2A ETP Outfall at Road C	26-Jan-15	4.03E-02	2.03E-02	No
U3R-2A ETP Outfall at Road C	2-Feb-15	1.37E-02	1.60E-02	No
U3R-2A ETP Outfall at Road C	9-Feb-15	1.65E-02	1.33E-02	No
U3R-2A ETP Outfall at Road C	17-Feb-15	3.30E-02	1.51E-02	No
U3R-2A ETP Outfall at Road C	23-Feb-15	-4.27E-03	4.27E-03	No
U3R-2A ETP Outfall at Road C	2-Mar-15	3.03E-02	1.73E-02	No
U3R-2A ETP Outfall at Road C	9-Mar-15	1.36E-02	1.59E-02	No
U3R-2A ETP Outfall at Road C	16-Mar-15	-3.43E-05	5.30E-04	No
U3R-2A ETP Outfall at Road C	23-Mar-15	3.84E-02	1.60E-02	No
U3R-2A ETP Outfall at Road C	6-Apr-15	6.08E-02	2.07E-02	Yes
U3R-2A ETP Outfall at Road C	13-Apr-15	1.06E-02	1.26E-02	No
U3R-2A ETP Outfall at Road C	20-Apr-15	2.81E-02	1.93E-02	No
U3R-2A ETP Outfall at Road C	27-Apr-15	2.16E-02	1.44E-02	No
U3R-2A ETP Outfall at Road C	4-May-15	4.00E-02	1.66E-02	Yes
U3R-2A ETP Outfall at Road C	11-May-15	2.29E-03	8.40E-03	No
U3R-2A ETP Outfall at Road C	26-May-15	1.56E-02	1.25E-02	No
U3R-2A ETP Outfall at Road C	1-Jun-15	3.73E-02	1.86E-02	No
U3R-2A ETP Outfall at Road C	8-Jun-15	2.29E-02	1.40E-02	No
U3R-2A ETP Outfall at Road C	15-Jun-15	2.20E-02	1.41E-02	No
U3R-2A ETP Outfall at Road C	22-Jun-15	4.70E-03	1.22E-02	No
U3R-2A ETP Outfall at Road C	29-Jun-15	8.49E-03	1.55E-02	No
U3R-2A ETP Outfall at Road C	6-Jul-15	3.41E-02	1.64E-02	No
U3R-2A ETP Outfall at Road C	13-Jul-15	1.25E-02	8.88E-03	No
U3R-2A ETP Outfall at Road C	20-Jul-15	5.46E-02	2.04E-02	Yes
U3R-2A ETP Outfall at Road C	27-Jul-15	4.03E-02	1.73E-02	Yes
U3R-2A ETP Outfall at Road C	3-Aug-15	5.38E-02	1.84E-02	Yes
U3R-2A ETP Outfall at Road C	17-Aug-15	3.59E-02	2.13E-02	No
U3R-2A ETP Outfall at Road C	31-Aug-15	4.68E-02	1.97E-02	Yes
U3R-2A ETP Outfall at Road C	8-Sep-15	6.57E-02	2.47E-02	Yes
U3R-2A ETP Outfall at Road C	21-Sep-15	5.73E-02	2.13E-02	Yes
U3R-2A ETP Outfall at Road C	28-Sep-15	6.11E-02	2.16E-02	Yes
U3R-2A ETP Outfall at Road C	12-Oct-15	3.92E-02	1.83E-02	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	U-234		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	19-Oct-15	1.89E-02	1.23E-02	No
U3R-2A ETP Outfall at Road C	26-Oct-15	1.32E-02	9.48E-03	No
U3R-2A ETP Outfall at Road C	2-Nov-15	2.05E-02	1.31E-02	No
U3R-2A ETP Outfall at Road C	9-Nov-15	5.11E-02	1.96E-02	Yes
U3R-2A ETP Outfall at Road C	16-Nov-15	4.32E-02	1.93E-02	No
U3R-2A ETP Outfall at Road C	7-Dec-15	5.78E-02	2.06E-02	Yes
U3R-2A ETP Outfall at Road C	14-Dec-15	4.08E-02	1.87E-02	Yes
U3R-2A ETP Outfall at Road C	28-Dec-15	3.49E-02	2.11E-02	No
U3R-2A ETP Outfall at Road C	4-Jan-16	7.54E-02	2.39E-02	Yes
HP-52 H-Area Tank Farm	3-Feb-15	9.57E-03	5.87E-03	No
HP-52 H-Area Tank Farm	3-Mar-15	1.70E-02	6.28E-03	Yes
HP-52 H-Area Tank Farm	7-Apr-15	1.51E-02	5.66E-03	Yes
HP-52 H-Area Tank Farm	5-May-15	4.11E-02	9.17E-03	Yes
HP-52 H-Area Tank Farm	2-Jun-15	2.76E-02	7.65E-03	Yes
HP-52 H-Area Tank Farm	7-Jul-15	2.97E-02	7.46E-03	Yes
HP-52 H-Area Tank Farm	4-Aug-15	2.49E-02	6.89E-03	Yes
HP-52 H-Area Tank Farm	9-Sep-15	2.04E-02	6.32E-03	Yes
HP-52 H-Area Tank Farm	6-Oct-15	1.96E-02	6.76E-03	Yes
HP-52 H-Area Tank Farm	3-Nov-15	1.28E-02	5.43E-03	Yes
HP-52 H-Area Tank Farm	8-Dec-15	3.11E-02	8.09E-03	Yes
HP-52 H-Area Tank Farm	5-Jan-16	3.00E-02	7.77E-03	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	U-235		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
F-012 281-8F Retention Basin	28-Jan-15	2.86E-02	1.67E-02	No
F-012 281-8F Retention Basin	5-Mar-15	-6.84E-03	6.86E-03	No
F-012 281-8F Retention Basin	19-Apr-15	-7.11E-06	8.80E-05	No
F-012 281-8F Retention Basin	3-Jun-15	-5.89E-05	6.96E-04	No
F-012 281-8F Retention Basin	18-Jul-15	3.32E-03	1.22E-02	No
F-012 281-8F Retention Basin	25-Aug-15	-4.76E-05	5.56E-04	No
F-012 281-8F Retention Basin	13-Oct-15	2.17E-02	1.54E-02	No
F-012 281-8F Retention Basin	11-Nov-15	2.76E-02	1.63E-02	No
F-013 200-F Cooling Basin	24-Jun-15	-1.56E-05	1.82E-04	No
F-013 200-F Cooling Basin	26-Aug-15	1.94E-02	1.39E-02	No
F-013 200-F Cooling Basin	4-Oct-15	6.62E-03	1.70E-02	No
F-013 200-F Cooling Basin	16-Dec-15	1.89E-02	1.34E-02	No
F-05	2-Feb-15	4.03E-03	2.89E-03	No
F-05	2-Mar-15	1.02E-02	6.79E-03	No
F-05	6-Apr-15	1.92E-03	1.94E-03	No
F-05	4-May-15	8.43E-03	4.25E-03	No
F-05	6-Jul-15	7.38E-04	2.66E-03	No
F-05	3-Aug-15	1.03E-02	4.98E-03	Yes
F-05	8-Sep-15	1.73E-02	6.36E-03	Yes
F-05	5-Oct-15	4.05E-03	2.91E-03	No
F-05	2-Nov-15	3.84E-03	2.73E-03	No
F-05	7-Dec-15	2.59E-03	1.76E-03	No
F-05	4-Jan-16	4.08E-03	2.89E-03	No
FM-1C H-Area Effluent	2-Feb-15	-1.43E-03	2.01E-03	No
FM-1C H-Area Effluent	2-Mar-15	6.62E-03	3.85E-03	No
FM-1C H-Area Effluent	6-Apr-15	-1.39E-03	2.07E-03	No
FM-1C H-Area Effluent	4-May-15	2.24E-03	2.11E-03	No
FM-1C H-Area Effluent	1-Jun-15	1.41E-03	3.70E-03	No
FM-1C H-Area Effluent	6-Jul-15	4.05E-03	2.86E-03	No
FM-1C H-Area Effluent	3-Aug-15	6.95E-03	4.05E-03	No
FM-1C H-Area Effluent	8-Sep-15	-2.92E-03	2.09E-03	No
FM-1C H-Area Effluent	5-Oct-15	-3.00E-06	1.77E-04	No
FM-1C H-Area Effluent	2-Nov-15	-1.31E-03	1.82E-03	No
FM-1C H-Area Effluent	7-Dec-15	4.03E-03	2.85E-03	No
FM-1C H-Area Effluent	4-Jan-16	2.62E-03	3.07E-03	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	U-235		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-3 F-Area Effluent	2-Feb-15	1.37E-03	3.50E-03	No
FM-3 F-Area Effluent	2-Mar-15	2.06E-03	1.82E-03	No
FM-3 F-Area Effluent	6-Apr-15	8.46E-03	4.29E-03	No
FM-3 F-Area Effluent	4-May-15	4.27E-03	3.02E-03	No
FM-3 F-Area Effluent	1-Jun-15	2.86E-03	3.48E-03	No
FM-3 F-Area Effluent	6-Jul-15	0.00E+00	1.99E-03	No
FM-3 F-Area Effluent	3-Aug-15	6.05E-03	3.54E-03	No
FM-3 F-Area Effluent	8-Sep-15	5.68E-03	3.41E-03	No
FM-3 F-Area Effluent	5-Oct-15	5.76E-03	3.36E-03	No
FM-3 F-Area Effluent	2-Nov-15	4.08E-03	2.90E-03	No
FM-3 F-Area Effluent	7-Dec-15	1.38E-02	5.31E-03	Yes
FM-3 F-Area Effluent	4-Jan-16	1.96E-03	1.97E-03	No
H-004	2-Feb-15	3.14E-02	1.84E-02	No
H-004	2-Mar-15	-8.32E-03	8.28E-03	No
H-004	6-Apr-15	3.54E-02	2.07E-02	No
H-004	4-May-15	5.92E-02	2.45E-02	Yes
H-004	1-Jun-15	4.35E-02	2.20E-02	No
H-004	6-Jul-15	4.30E-02	2.16E-02	No
H-004	3-Aug-15	2.06E-02	1.46E-02	No
H-004	8-Sep-15	3.16E-02	1.84E-02	No
H-004	5-Oct-15	3.41E-02	2.18E-02	No
H-004	2-Nov-15	5.78E-02	2.80E-02	Yes
H-004	7-Dec-15	3.24E-02	2.08E-02	No
H-004	4-Jan-16	5.41E-02	2.60E-02	Yes
H-017 281-8H Retention Basin	6-Jan-15	0.00E+00	9.59E-03	No
H-017 281-8H Retention Basin	13-Feb-15	2.10E-02	1.50E-02	No
H-017 281-8H Retention Basin	28-Feb-15	0.00E+00	1.01E-02	No
H-017 281-8H Retention Basin	27-Mar-15	1.10E-02	2.30E-02	No
H-017 281-8H Retention Basin	18-Apr-15	-1.34E-02	9.52E-03	No
H-017 281-8H Retention Basin	29-Apr-15	0.00E+00	9.44E-03	No
H-017 281-8H Retention Basin	30-May-15	1.05E-02	1.06E-02	No
H-017 281-8H Retention Basin	6-Jun-15	3.27E-03	1.21E-02	No
H-017 281-8H Retention Basin	25-Jun-15	1.93E-02	1.37E-02	No
H-017 281-8H Retention Basin	10-Jul-15	1.14E-02	1.15E-02	No
H-017 281-8H Retention Basin	21-Jul-15	3.43E-03	1.26E-02	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	U-235		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
H-017 281-8H Retention Basin	1-Aug-15	-1.01E-05	1.18E-04	No
H-017 281-8H Retention Basin	23-Aug-15	1.35E-02	1.60E-02	No
H-017 281-8H Retention Basin	10-Sep-15	-6.19E-03	6.19E-03	No
H-017 281-8H Retention Basin	28-Sep-15	-1.38E-02	9.82E-03	No
H-017 281-8H Retention Basin	7-Oct-15	1.79E-02	1.28E-02	No
H-017 281-8H Retention Basin	14-Oct-15	9.59E-03	1.04E-02	No
H-017 281-8H Retention Basin	6-Nov-15	6.62E-03	1.73E-02	No
H-017 281-8H Retention Basin	25-Nov-15	2.86E-02	1.73E-02	No
H-017 281-8H Retention Basin	18-Dec-15	0.00E+00	8.88E-03	No
H-017 281-8H Retention Basin	1-Jan-16	3.27E-03	1.17E-02	No
S-004	2-Feb-15	3.54E-03	1.30E-02	No
S-004	2-Mar-15	4.46E-02	2.27E-02	No
S-004	6-Apr-15	3.68E-02	2.34E-02	No
S-004	4-May-15	0.00E+00	1.05E-02	No
S-004	3-Aug-15	2.40E-02	1.91E-02	No
S-004	8-Sep-15	2.07E-02	1.47E-02	No
S-004	5-Oct-15	-5.03E-05	5.88E-04	No
S-004	2-Nov-15	3.05E-02	1.80E-02	No
S-004	7-Dec-15	2.05E-02	1.47E-02	No
S-004	4-Jan-16	3.49E-02	2.22E-02	No
TB-2 Outfall at Road 1A	2-Feb-15	5.27E-03	3.89E-03	No
TB-2 Outfall at Road 1A	2-Mar-15	1.39E-02	5.92E-03	Yes
TB-2 Outfall at Road 1A	6-Apr-15	7.65E-03	4.87E-03	No
TB-2 Outfall at Road 1A	4-May-15	1.62E-02	6.53E-03	Yes
TB-2 Outfall at Road 1A	1-Jun-15	5.76E-03	4.13E-03	No
TB-2 Outfall at Road 1A	6-Jul-15	4.95E-03	3.94E-03	No
TB-2 Outfall at Road 1A	3-Aug-15	5.35E-03	4.29E-03	No
TB-2 Outfall at Road 1A	8-Sep-15	4.89E-03	3.92E-03	No
TB-2 Outfall at Road 1A	5-Oct-15	1.15E-02	5.85E-03	Yes
TB-2 Outfall at Road 1A	2-Nov-15	9.16E-03	4.96E-03	No
TB-2 Outfall at Road 1A	7-Dec-15	6.43E-03	3.91E-03	No
TB-2 Outfall at Road 1A	4-Jan-16	5.65E-03	4.59E-03	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	U-235		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	5-Jan-15	1.09E-02	1.28E-02	No
U3R-2A ETP Outfall at Road C	12-Jan-15	-6.05E-03	6.05E-03	No
U3R-2A ETP Outfall at Road C	20-Jan-15	-8.51E-06	1.33E-04	No
U3R-2A ETP Outfall at Road C	26-Jan-15	4.38E-02	1.99E-02	No
U3R-2A ETP Outfall at Road C	2-Feb-15	-1.13E-02	8.03E-03	No
U3R-2A ETP Outfall at Road C	9-Feb-15	3.49E-02	1.77E-02	No
U3R-2A ETP Outfall at Road C	17-Feb-15	1.08E-02	1.28E-02	No
U3R-2A ETP Outfall at Road C	23-Feb-15	7.81E-03	7.86E-03	No
U3R-2A ETP Outfall at Road C	2-Mar-15	0.00E+00	7.81E-03	No
U3R-2A ETP Outfall at Road C	9-Mar-15	2.53E-02	1.47E-02	No
U3R-2A ETP Outfall at Road C	16-Mar-15	2.64E-03	9.52E-03	No
U3R-2A ETP Outfall at Road C	23-Mar-15	-5.27E-03	5.28E-03	No
U3R-2A ETP Outfall at Road C	6-Apr-15	-5.68E-06	8.84E-05	No
U3R-2A ETP Outfall at Road C	13-Apr-15	7.84E-03	7.88E-03	No
U3R-2A ETP Outfall at Road C	20-Apr-15	7.97E-03	8.02E-03	No
U3R-2A ETP Outfall at Road C	27-Apr-15	-2.43E-03	1.00E-02	No
U3R-2A ETP Outfall at Road C	4-May-15	4.11E-02	1.86E-02	Yes
U3R-2A ETP Outfall at Road C	11-May-15	2.86E-02	1.82E-02	No
U3R-2A ETP Outfall at Road C	26-May-15	2.73E-03	9.97E-03	No
U3R-2A ETP Outfall at Road C	1-Jun-15	2.02E-02	1.63E-02	No
U3R-2A ETP Outfall at Road C	8-Jun-15	9.43E-03	9.59E-03	No
U3R-2A ETP Outfall at Road C	15-Jun-15	8.14E-03	8.19E-03	No
U3R-2A ETP Outfall at Road C	22-Jun-15	8.81E-03	8.84E-03	No
U3R-2A ETP Outfall at Road C	29-Jun-15	7.89E-03	7.94E-03	No
U3R-2A ETP Outfall at Road C	6-Jul-15	-5.27E-03	5.30E-03	No
U3R-2A ETP Outfall at Road C	13-Jul-15	0.00E+00	7.49E-03	No
U3R-2A ETP Outfall at Road C	20-Jul-15	2.78E-03	1.02E-02	No
U3R-2A ETP Outfall at Road C	27-Jul-15	-3.97E-05	5.83E-04	No
U3R-2A ETP Outfall at Road C	3-Aug-15	2.46E-02	1.57E-02	No
U3R-2A ETP Outfall at Road C	17-Aug-15	-8.11E-06	1.19E-04	No
U3R-2A ETP Outfall at Road C	31-Aug-15	7.86E-03	7.96E-03	No
U3R-2A ETP Outfall at Road C	8-Sep-15	-5.65E-03	5.62E-03	No
U3R-2A ETP Outfall at Road C	21-Sep-15	-1.19E-05	1.73E-04	No
U3R-2A ETP Outfall at Road C	28-Sep-15	-4.89E-03	4.88E-03	No
U3R-2A ETP Outfall at Road C	12-Oct-15	7.70E-03	7.74E-03	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	U-235		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	19-Oct-15	-1.19E-05	1.73E-04	No
U3R-2A ETP Outfall at Road C	26-Oct-15	2.73E-03	9.82E-03	No
U3R-2A ETP Outfall at Road C	2-Nov-15	7.57E-03	7.61E-03	No
U3R-2A ETP Outfall at Road C	9-Nov-15	-9.57E-05	1.38E-03	No
U3R-2A ETP Outfall at Road C	16-Nov-15	-7.76E-05	1.14E-03	No
U3R-2A ETP Outfall at Road C	7-Dec-15	7.68E-03	7.68E-03	No
U3R-2A ETP Outfall at Road C	14-Dec-15	1.60E-02	1.14E-02	No
U3R-2A ETP Outfall at Road C	28-Dec-15	0.00E+00	7.82E-03	No
U3R-2A ETP Outfall at Road C	4-Jan-16	2.54E-02	1.48E-02	No
HP-52 H-Area Tank Farm	3-Feb-15	3.38E-03	4.00E-03	No
HP-52 H-Area Tank Farm	3-Mar-15	-7.27E-04	2.99E-03	No
HP-52 H-Area Tank Farm	7-Apr-15	4.46E-03	3.17E-03	No
HP-52 H-Area Tank Farm	5-May-15	9.05E-03	4.92E-03	No
HP-52 H-Area Tank Farm	2-Jun-15	3.70E-03	4.37E-03	No
HP-52 H-Area Tank Farm	7-Jul-15	4.08E-03	2.90E-03	No
HP-52 H-Area Tank Farm	4-Aug-15	2.20E-03	2.22E-03	No
HP-52 H-Area Tank Farm	9-Sep-15	2.03E-03	2.10E-03	No
HP-52 H-Area Tank Farm	6-Oct-15	7.38E-03	4.92E-03	No
HP-52 H-Area Tank Farm	3-Nov-15	2.76E-03	3.24E-03	No
HP-52 H-Area Tank Farm	8-Dec-15	2.11E-03	2.25E-03	No
HP-52 H-Area Tank Farm	5-Jan-16	8.24E-03	4.25E-03	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Np-237		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
F-012 281-8F Retention Basin	28-Jan-15	-5.68E-03	5.68E-03	No
F-012 281-8F Retention Basin	5-Mar-15	3.51E-03	1.27E-02	No
F-012 281-8F Retention Basin	19-Apr-15	6.35E-03	1.62E-02	No
F-012 281-8F Retention Basin	3-Jun-15	0.00E+00	1.17E-02	No
F-012 281-8F Retention Basin	18-Jul-15	-1.77E-02	1.03E-02	No
F-012 281-8F Retention Basin	25-Aug-15	2.25E-02	1.87E-02	No
F-012 281-8F Retention Basin	13-Oct-15	0.00E+00	1.12E-02	No
F-012 281-8F Retention Basin	11-Nov-15	-2.95E-03	1.96E-02	No
F-013 200-F Cooling Basin	24-Jun-15	1.28E-02	1.50E-02	No
F-013 200-F Cooling Basin	26-Aug-15	2.40E-03	8.67E-03	No
F-013 200-F Cooling Basin	4-Oct-15	-2.34E-03	9.67E-03	No
F-013 200-F Cooling Basin	16-Dec-15	8.03E-03	8.03E-03	No
F-05	2-Feb-15	-3.97E-03	2.31E-03	No
F-05	2-Mar-15	3.97E-03	2.85E-03	No
F-05	6-Apr-15	1.19E-03	3.03E-03	No
F-05	4-May-15	1.69E-03	3.55E-03	No
F-05	6-Jul-15	1.96E-03	1.97E-03	No
F-05	3-Aug-15	1.69E-03	1.73E-03	No
F-05	8-Sep-15	0.00E+00	2.04E-03	No
F-05	5-Oct-15	5.27E-03	2.07E-03	No
F-05	2-Nov-15	-1.85E-03	2.85E-03	No
F-05	7-Dec-15	1.27E-02	5.58E-03	No
F-05	4-Jan-16	-1.10E-03	1.54E-03	No
FM-1C H-Area Effluent	2-Feb-15	5.57E-03	3.29E-03	No
FM-1C H-Area Effluent	2-Mar-15	5.14E-03	3.30E-03	No
FM-1C H-Area Effluent	6-Apr-15	-1.18E-03	2.15E-03	No
FM-1C H-Area Effluent	4-May-15	5.14E-03	4.31E-03	No
FM-1C H-Area Effluent	1-Jun-15	6.92E-04	2.81E-03	No
FM-1C H-Area Effluent	6-Jul-15	3.73E-03	2.65E-03	No
FM-1C H-Area Effluent	3-Aug-15	3.89E-03	3.14E-03	No
FM-1C H-Area Effluent	8-Sep-15	2.86E-03	3.39E-03	No
FM-1C H-Area Effluent	5-Oct-15	2.53E-03	2.97E-03	No
FM-1C H-Area Effluent	2-Nov-15	5.89E-03	3.92E-03	No
FM-1C H-Area Effluent	7-Dec-15	3.97E-03	3.19E-03	No
FM-1C H-Area Effluent	4-Jan-16	1.91E-03	2.39E-03	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Np-237		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-3 F-Area Effluent	2-Feb-15	6.49E-04	2.36E-03	No
FM-3 F-Area Effluent	2-Mar-15	2.25E-03	2.66E-03	No
FM-3 F-Area Effluent	6-Apr-15	2.46E-03	2.90E-03	No
FM-3 F-Area Effluent	4-May-15	1.19E-02	4.68E-03	Yes
FM-3 F-Area Effluent	1-Jun-15	0.00E+00	2.42E-03	No
FM-3 F-Area Effluent	6-Jul-15	2.34E-03	2.76E-03	No
FM-3 F-Area Effluent	3-Aug-15	-1.80E-03	2.13E-03	No
FM-3 F-Area Effluent	8-Sep-15	0.00E+00	2.08E-03	No
FM-3 F-Area Effluent	5-Oct-15	-6.14E-04	2.59E-03	No
FM-3 F-Area Effluent	2-Nov-15	-5.89E-04	2.43E-03	No
FM-3 F-Area Effluent	7-Dec-15	-2.70E-03	1.92E-03	No
FM-3 F-Area Effluent	4-Jan-16	-2.05E-03	1.84E-03	No
H-017 281-8H Retention Basin	6-Jan-15	9.78E-03	1.00E-02	No
H-017 281-8H Retention Basin	13-Feb-15	2.92E-03	1.06E-02	No
H-017 281-8H Retention Basin	28-Feb-15	-5.51E-03	5.53E-03	No
H-017 281-8H Retention Basin	27-Mar-15	6.32E-02	3.73E-02	No
H-017 281-8H Retention Basin	18-Apr-15	-7.05E-03	7.08E-03	No
H-017 281-8H Retention Basin	29-Apr-15	1.01E-02	1.83E-02	No
H-017 281-8H Retention Basin	30-May-15	1.47E-02	1.28E-02	No
H-017 281-8H Retention Basin	6-Jun-15	-7.00E-03	7.26E-03	No
H-017 281-8H Retention Basin	25-Jun-15	3.00E-03	1.10E-02	No
H-017 281-8H Retention Basin	10-Jul-15	2.86E-03	1.04E-02	No
H-017 281-8H Retention Basin	21-Jul-15	2.76E-02	1.62E-02	No
H-017 281-8H Retention Basin	1-Aug-15	8.92E-03	9.00E-03	No
H-017 281-8H Retention Basin	23-Aug-15	1.86E-02	1.48E-02	No
H-017 281-8H Retention Basin	10-Sep-15	1.28E-02	1.51E-02	No
H-017 281-8H Retention Basin	28-Sep-15	2.95E-03	1.06E-02	No
H-017 281-8H Retention Basin	7-Oct-15	0.00E+00	1.10E-02	No
H-017 281-8H Retention Basin	14-Oct-15	0.00E+00	9.89E-03	No
H-017 281-8H Retention Basin	6-Nov-15	-1.21E-02	8.80E-03	No
H-017 281-8H Retention Basin	25-Nov-15	1.21E-02	2.21E-02	No
H-017 281-8H Retention Basin	18-Dec-15	2.95E-02	1.71E-02	No
H-017 281-8H Retention Basin	1-Jan-16	8.30E-03	8.30E-03	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Np-237		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	5-Jan-15	-5.19E-05	1.06E-03	No
U3R-2A ETP Outfall at Road C	12-Jan-15	7.14E-03	7.20E-03	No
U3R-2A ETP Outfall at Road C	20-Jan-15	6.70E-03	1.40E-02	No
U3R-2A ETP Outfall at Road C	26-Jan-15	-9.19E-03	6.53E-03	No
U3R-2A ETP Outfall at Road C	2-Feb-15	8.00E-03	9.40E-03	No
U3R-2A ETP Outfall at Road C	9-Feb-15	-2.17E-03	7.81E-03	No
U3R-2A ETP Outfall at Road C	17-Feb-15	-4.05E-03	4.05E-03	No
U3R-2A ETP Outfall at Road C	23-Feb-15	-2.40E-03	8.84E-03	No
U3R-2A ETP Outfall at Road C	2-Mar-15	-4.35E-03	1.27E-02	No
U3R-2A ETP Outfall at Road C	9-Mar-15	-6.84E-03	1.04E-02	No
U3R-2A ETP Outfall at Road C	16-Mar-15	-6.46E-03	9.86E-03	No
U3R-2A ETP Outfall at Road C	23-Mar-15	1.25E-02	8.92E-03	No
U3R-2A ETP Outfall at Road C	6-Apr-15	2.08E-03	7.51E-03	No
U3R-2A ETP Outfall at Road C	13-Apr-15	-4.89E-03	4.92E-03	No
U3R-2A ETP Outfall at Road C	20-Apr-15	-2.56E-06	8.67E-03	No
U3R-2A ETP Outfall at Road C	27-Apr-15	1.42E-02	1.14E-02	No
U3R-2A ETP Outfall at Road C	4-May-15	3.68E-02	1.62E-02	Yes
U3R-2A ETP Outfall at Road C	11-May-15	2.15E-03	7.81E-03	No
U3R-2A ETP Outfall at Road C	26-May-15	-2.41E-02	1.09E-02	No
U3R-2A ETP Outfall at Road C	1-Jun-15	0.00E+00	7.40E-03	No
U3R-2A ETP Outfall at Road C	8-Jun-15	1.93E-03	7.05E-03	No
U3R-2A ETP Outfall at Road C	15-Jun-15	7.97E-03	9.56E-03	No
U3R-2A ETP Outfall at Road C	22-Jun-15	1.69E-02	1.38E-02	No
U3R-2A ETP Outfall at Road C	29-Jun-15	1.57E-02	1.11E-02	No
U3R-2A ETP Outfall at Road C	6-Jul-15	-4.38E-03	4.40E-03	No
U3R-2A ETP Outfall at Road C	13-Jul-15	0.00E+00	7.20E-03	No
U3R-2A ETP Outfall at Road C	20-Jul-15	-4.41E-03	4.39E-03	No
U3R-2A ETP Outfall at Road C	27-Jul-15	2.44E-03	8.84E-03	No
U3R-2A ETP Outfall at Road C	3-Aug-15	1.64E-02	1.36E-02	No
U3R-2A ETP Outfall at Road C	17-Aug-15	2.30E-02	1.35E-02	No
U3R-2A ETP Outfall at Road C	31-Aug-15	-4.84E-03	4.92E-03	No
U3R-2A ETP Outfall at Road C	8-Sep-15	2.19E-03	7.91E-03	No
U3R-2A ETP Outfall at Road C	21-Sep-15	6.03E-03	6.66E-03	No
U3R-2A ETP Outfall at Road C	28-Sep-15	1.30E-02	9.21E-03	No
U3R-2A ETP Outfall at Road C	12-Oct-15	4.41E-03	1.12E-02	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Np-237		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	19-Oct-15	2.04E-02	1.18E-02	No
U3R-2A ETP Outfall at Road C	26-Oct-15	-2.11E-02	1.50E-02	No
U3R-2A ETP Outfall at Road C	2-Nov-15	-4.27E-03	4.30E-03	No
U3R-2A ETP Outfall at Road C	9-Nov-15	6.59E-03	6.61E-03	No
U3R-2A ETP Outfall at Road C	16-Nov-15	1.24E-02	9.13E-03	No
U3R-2A ETP Outfall at Road C	7-Dec-15	8.81E-03	1.04E-02	No
U3R-2A ETP Outfall at Road C	14-Dec-15	0.00E+00	8.25E-03	No
U3R-2A ETP Outfall at Road C	28-Dec-15	-1.67E-02	8.63E-03	No
U3R-2A ETP Outfall at Road C	4-Jan-16	-3.76E-03	3.95E-03	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	U-238		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
F-012 281-8F Retention Basin	28-Jan-15	4.65E-02	1.93E-02	Yes
F-012 281-8F Retention Basin	5-Mar-15	2.49E-02	1.45E-02	No
F-012 281-8F Retention Basin	19-Apr-15	4.03E-02	1.83E-02	Yes
F-012 281-8F Retention Basin	3-Jun-15	4.73E-02	2.30E-02	Yes
F-012 281-8F Retention Basin	18-Jul-15	7.65E-02	2.70E-02	Yes
F-012 281-8F Retention Basin	25-Aug-15	1.88E-02	1.55E-02	No
F-012 281-8F Retention Basin	13-Oct-15	9.62E-02	3.05E-02	Yes
F-012 281-8F Retention Basin	11-Nov-15	6.92E-02	2.59E-02	Yes
F-013 200-F Cooling Basin	24-Jun-15	8.11E-02	2.66E-02	Yes
F-013 200-F Cooling Basin	26-Aug-15	9.41E-02	3.19E-02	Yes
F-013 200-F Cooling Basin	4-Oct-15	1.69E-01	3.94E-02	Yes
F-013 200-F Cooling Basin	16-Dec-15	1.02E-01	3.02E-02	Yes
F-05	2-Feb-15	7.35E-02	1.22E-02	Yes
F-05	2-Mar-15	8.86E-02	1.57E-02	Yes
F-05	6-Apr-15	5.92E-02	1.06E-02	Yes
F-05	4-May-15	1.45E-01	1.80E-02	Yes
F-05	6-Jul-15	7.57E-02	1.27E-02	Yes
F-05	3-Aug-15	3.03E-01	2.87E-02	Yes
F-05	8-Sep-15	2.76E-01	2.92E-02	Yes
F-05	5-Oct-15	6.24E-02	1.24E-02	Yes
F-05	2-Nov-15	6.38E-02	1.08E-02	Yes
F-05	7-Dec-15	2.66E-02	7.45E-03	Yes
F-05	4-Jan-16	6.14E-02	1.10E-02	Yes
FM-1C H-Area Effluent	2-Feb-15	1.73E-02	6.48E-03	Yes
FM-1C H-Area Effluent	2-Mar-15	9.51E-03	4.66E-03	No
FM-1C H-Area Effluent	6-Apr-15	1.18E-02	4.62E-03	Yes
FM-1C H-Area Effluent	4-May-15	6.03E-03	3.84E-03	No
FM-1C H-Area Effluent	1-Jun-15	2.26E-03	3.24E-03	No
FM-1C H-Area Effluent	6-Jul-15	1.14E-02	4.42E-03	Yes
FM-1C H-Area Effluent	3-Aug-15	1.75E-02	6.35E-03	Yes
FM-1C H-Area Effluent	8-Sep-15	1.29E-02	6.03E-03	Yes
FM-1C H-Area Effluent	5-Oct-15	1.28E-02	6.42E-03	Yes
FM-1C H-Area Effluent	2-Nov-15	1.59E-02	5.98E-03	Yes
FM-1C H-Area Effluent	7-Dec-15	1.46E-02	5.14E-03	Yes
FM-1C H-Area Effluent	4-Jan-16	2.06E-02	5.94E-03	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	U-238		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-3 F-Area Effluent	2-Feb-15	8.97E-02	1.36E-02	Yes
FM-3 F-Area Effluent	2-Mar-15	3.24E-02	7.99E-03	Yes
FM-3 F-Area Effluent	6-Apr-15	9.24E-02	1.42E-02	Yes
FM-3 F-Area Effluent	4-May-15	7.35E-02	1.24E-02	Yes
FM-3 F-Area Effluent	1-Jun-15	8.43E-02	1.40E-02	Yes
FM-3 F-Area Effluent	6-Jul-15	3.38E-02	8.01E-03	Yes
FM-3 F-Area Effluent	3-Aug-15	8.19E-02	1.32E-02	Yes
FM-3 F-Area Effluent	8-Sep-15	1.44E-01	1.84E-02	Yes
FM-3 F-Area Effluent	5-Oct-15	1.05E-01	1.60E-02	Yes
FM-3 F-Area Effluent	2-Nov-15	5.27E-02	1.00E-02	Yes
FM-3 F-Area Effluent	7-Dec-15	1.12E-01	1.54E-02	Yes
FM-3 F-Area Effluent	4-Jan-16	7.00E-02	1.15E-02	Yes
H-004	2-Feb-15	4.78E-02	2.45E-02	Yes
H-004	2-Mar-15	5.00E-02	2.31E-02	Yes
H-004	6-Apr-15	5.73E-02	2.38E-02	Yes
H-004	4-May-15	8.78E-02	2.72E-02	Yes
H-004	1-Jun-15	9.11E-02	3.05E-02	Yes
H-004	6-Jul-15	8.95E-02	2.99E-02	Yes
H-004	3-Aug-15	5.81E-02	2.26E-02	Yes
H-004	8-Sep-15	5.38E-02	2.37E-02	Yes
H-004	5-Oct-15	9.89E-02	3.11E-02	Yes
H-004	2-Nov-15	1.14E-01	3.32E-02	Yes
H-004	7-Dec-15	7.08E-02	2.90E-02	Yes
H-004	4-Jan-16	1.25E-01	3.52E-02	Yes
H-017 281-8H Retention Basin	6-Jan-15	6.24E-02	2.26E-02	Yes
H-017 281-8H Retention Basin	13-Feb-15	8.78E-02	2.95E-02	Yes
H-017 281-8H Retention Basin	28-Feb-15	7.81E-02	2.67E-02	Yes
H-017 281-8H Retention Basin	27-Mar-15	6.54E-02	2.63E-02	Yes
H-017 281-8H Retention Basin	18-Apr-15	4.32E-02	2.09E-02	Yes
H-017 281-8H Retention Basin	29-Apr-15	2.76E-02	1.75E-02	No
H-017 281-8H Retention Basin	30-May-15	-8.68E-03	1.31E-02	No
H-017 281-8H Retention Basin	6-Jun-15	3.22E-02	1.66E-02	No
H-017 281-8H Retention Basin	25-Jun-15	4.92E-02	2.18E-02	Yes
H-017 281-8H Retention Basin	10-Jul-15	7.41E-02	2.66E-02	Yes
H-017 281-8H Retention Basin	21-Jul-15	5.92E-02	2.27E-02	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	U-238		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
H-017 281-8H Retention Basin	1-Aug-15	4.30E-02	2.07E-02	No
H-017 281-8H Retention Basin	23-Aug-15	5.19E-02	2.31E-02	Yes
H-017 281-8H Retention Basin	10-Sep-15	6.22E-02	2.41E-02	Yes
H-017 281-8H Retention Basin	28-Sep-15	3.05E-02	2.10E-02	No
H-017 281-8H Retention Basin	7-Oct-15	7.49E-02	2.58E-02	Yes
H-017 281-8H Retention Basin	14-Oct-15	7.11E-02	2.57E-02	Yes
H-017 281-8H Retention Basin	6-Nov-15	1.14E-01	3.28E-02	Yes
H-017 281-8H Retention Basin	25-Nov-15	6.97E-02	2.52E-02	Yes
H-017 281-8H Retention Basin	18-Dec-15	2.31E-02	1.39E-02	No
H-017 281-8H Retention Basin	1-Jan-16	9.49E-02	2.81E-02	Yes
S-004	2-Feb-15	4.32E-02	2.02E-02	No
S-004	2-Mar-15	4.78E-02	2.35E-02	No
S-004	6-Apr-15	1.25E-01	3.82E-02	Yes
S-004	4-May-15	1.22E-01	3.25E-02	Yes
S-004	3-Aug-15	1.69E-01	4.04E-02	Yes
S-004	8-Sep-15	6.68E-02	2.87E-02	Yes
S-004	5-Oct-15	1.49E-01	3.83E-02	Yes
S-004	2-Nov-15	3.84E-02	2.24E-02	No
S-004	7-Dec-15	3.30E-02	1.77E-02	No
S-004	4-Jan-16	7.57E-02	3.09E-02	Yes
TB-2 Outfall at Road 1A	2-Feb-15	4.05E-02	1.08E-02	Yes
TB-2 Outfall at Road 1A	2-Mar-15	5.92E-02	1.24E-02	Yes
TB-2 Outfall at Road 1A	6-Apr-15	6.30E-02	1.17E-02	Yes
TB-2 Outfall at Road 1A	4-May-15	4.89E-02	1.03E-02	Yes
TB-2 Outfall at Road 1A	1-Jun-15	6.97E-02	1.38E-02	Yes
TB-2 Outfall at Road 1A	6-Jul-15	7.89E-02	1.27E-02	Yes
TB-2 Outfall at Road 1A	3-Aug-15	6.30E-02	1.22E-02	Yes
TB-2 Outfall at Road 1A	8-Sep-15	7.35E-02	1.28E-02	Yes
TB-2 Outfall at Road 1A	5-Oct-15	1.29E-01	2.00E-02	Yes
TB-2 Outfall at Road 1A	2-Nov-15	6.95E-02	1.38E-02	Yes
TB-2 Outfall at Road 1A	7-Dec-15	7.70E-02	1.44E-02	Yes
TB-2 Outfall at Road 1A	4-Jan-16	4.76E-02	1.23E-02	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	U-238		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	5-Jan-15	1.32E-02	9.44E-03	No
U3R-2A ETP Outfall at Road C	12-Jan-15	4.41E-02	1.83E-02	Yes
U3R-2A ETP Outfall at Road C	20-Jan-15	3.46E-02	1.57E-02	No
U3R-2A ETP Outfall at Road C	26-Jan-15	2.36E-02	1.99E-02	No
U3R-2A ETP Outfall at Road C	2-Feb-15	2.28E-02	1.46E-02	No
U3R-2A ETP Outfall at Road C	9-Feb-15	2.12E-02	1.24E-02	No
U3R-2A ETP Outfall at Road C	17-Feb-15	3.95E-02	1.64E-02	Yes
U3R-2A ETP Outfall at Road C	23-Feb-15	2.11E-02	1.35E-02	No
U3R-2A ETP Outfall at Road C	2-Mar-15	8.62E-03	1.02E-02	No
U3R-2A ETP Outfall at Road C	9-Mar-15	1.59E-02	1.78E-02	No
U3R-2A ETP Outfall at Road C	16-Mar-15	2.14E-02	1.36E-02	No
U3R-2A ETP Outfall at Road C	23-Mar-15	2.56E-02	1.30E-02	No
U3R-2A ETP Outfall at Road C	6-Apr-15	-4.51E-03	4.50E-03	No
U3R-2A ETP Outfall at Road C	13-Apr-15	2.54E-02	1.29E-02	No
U3R-2A ETP Outfall at Road C	20-Apr-15	1.94E-02	1.13E-02	No
U3R-2A ETP Outfall at Road C	27-Apr-15	2.35E-02	1.60E-02	No
U3R-2A ETP Outfall at Road C	4-May-15	5.97E-02	2.03E-02	Yes
U3R-2A ETP Outfall at Road C	11-May-15	1.62E-02	1.29E-02	No
U3R-2A ETP Outfall at Road C	26-May-15	8.95E-03	1.05E-02	No
U3R-2A ETP Outfall at Road C	1-Jun-15	1.39E-02	1.03E-02	No
U3R-2A ETP Outfall at Road C	8-Jun-15	7.57E-03	7.97E-03	No
U3R-2A ETP Outfall at Road C	15-Jun-15	2.86E-02	1.56E-02	No
U3R-2A ETP Outfall at Road C	22-Jun-15	-9.57E-03	6.74E-03	No
U3R-2A ETP Outfall at Road C	29-Jun-15	1.91E-02	1.15E-02	No
U3R-2A ETP Outfall at Road C	6-Jul-15	3.19E-02	1.45E-02	No
U3R-2A ETP Outfall at Road C	13-Jul-15	3.95E-02	1.72E-02	Yes
U3R-2A ETP Outfall at Road C	20-Jul-15	3.65E-02	1.76E-02	Yes
U3R-2A ETP Outfall at Road C	27-Jul-15	7.16E-02	2.46E-02	Yes
U3R-2A ETP Outfall at Road C	3-Aug-15	4.78E-02	1.73E-02	Yes
U3R-2A ETP Outfall at Road C	17-Aug-15	1.57E-02	1.26E-02	No
U3R-2A ETP Outfall at Road C	31-Aug-15	2.11E-02	1.39E-02	No
U3R-2A ETP Outfall at Road C	8-Sep-15	4.30E-02	1.92E-02	No
U3R-2A ETP Outfall at Road C	21-Sep-15	5.73E-02	2.10E-02	Yes
U3R-2A ETP Outfall at Road C	28-Sep-15	3.32E-02	1.75E-02	Yes
U3R-2A ETP Outfall at Road C	12-Oct-15	5.59E-02	1.99E-02	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	U-238		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	19-Oct-15	1.46E-02	1.26E-02	No
U3R-2A ETP Outfall at Road C	26-Oct-15	6.62E-02	2.14E-02	Yes
U3R-2A ETP Outfall at Road C	2-Nov-15	5.11E-02	1.92E-02	Yes
U3R-2A ETP Outfall at Road C	9-Nov-15	4.27E-02	2.10E-02	Yes
U3R-2A ETP Outfall at Road C	16-Nov-15	8.14E-02	2.58E-02	Yes
U3R-2A ETP Outfall at Road C	7-Dec-15	3.92E-02	1.72E-02	Yes
U3R-2A ETP Outfall at Road C	14-Dec-15	7.11E-02	2.24E-02	Yes
U3R-2A ETP Outfall at Road C	28-Dec-15	3.73E-02	1.86E-02	No
U3R-2A ETP Outfall at Road C	4-Jan-16	4.78E-02	1.84E-02	Yes
HP-52 H-Area Tank Farm	3-Feb-15	6.14E-03	5.31E-03	No
HP-52 H-Area Tank Farm	3-Mar-15	1.58E-02	5.43E-03	Yes
HP-52 H-Area Tank Farm	7-Apr-15	1.32E-02	5.39E-03	Yes
HP-52 H-Area Tank Farm	5-May-15	3.95E-02	8.67E-03	Yes
HP-52 H-Area Tank Farm	2-Jun-15	2.15E-02	6.40E-03	Yes
HP-52 H-Area Tank Farm	7-Jul-15	3.46E-02	7.92E-03	Yes
HP-52 H-Area Tank Farm	4-Aug-15	1.66E-02	5.88E-03	Yes
HP-52 H-Area Tank Farm	9-Sep-15	2.42E-02	7.21E-03	Yes
HP-52 H-Area Tank Farm	6-Oct-15	2.55E-02	7.40E-03	Yes
HP-52 H-Area Tank Farm	3-Nov-15	2.22E-02	6.63E-03	Yes
HP-52 H-Area Tank Farm	8-Dec-15	3.95E-02	8.96E-03	Yes
HP-52 H-Area Tank Farm	5-Jan-16	3.00E-02	7.56E-03	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Pu-238		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
F-012 281-8F Retention Basin	28-Jan-15	4.22E-02	1.92E-02	No
F-012 281-8F Retention Basin	5-Mar-15	1.05E-02	1.05E-02	No
F-012 281-8F Retention Basin	19-Apr-15	1.57E-02	1.87E-02	No
F-012 281-8F Retention Basin	3-Jun-15	1.58E-02	1.93E-02	No
F-012 281-8F Retention Basin	18-Jul-15	1.37E-01	3.93E-02	Yes
F-012 281-8F Retention Basin	25-Aug-15	1.95E-02	1.55E-02	No
F-012 281-8F Retention Basin	13-Oct-15	-6.08E-03	6.08E-03	No
F-012 281-8F Retention Basin	11-Nov-15	5.65E-02	2.59E-02	Yes
F-013 200-F Cooling Basin	24-Jun-15	-3.11E-03	1.28E-02	No
F-013 200-F Cooling Basin	26-Aug-15	-7.14E-03	1.10E-02	No
F-013 200-F Cooling Basin	4-Oct-15	2.08E-02	1.22E-02	No
F-013 200-F Cooling Basin	16-Dec-15	5.30E-03	9.63E-03	No
F-05	2-Feb-15	7.89E-03	4.05E-03	No
F-05	2-Mar-15	1.44E-02	5.82E-03	Yes
F-05	6-Apr-15	1.59E-02	5.57E-03	Yes
F-05	4-May-15	1.40E-02	5.31E-03	Yes
F-05	6-Jul-15	7.78E-03	3.93E-03	No
F-05	3-Aug-15	3.35E-03	2.38E-03	No
F-05	8-Sep-15	7.95E-03	4.48E-03	No
F-05	5-Oct-15	6.95E-03	3.58E-03	No
F-05	2-Nov-15	2.21E-02	6.66E-03	Yes
F-05	7-Dec-15	1.78E-02	6.43E-03	Yes
F-05	4-Jan-16	4.51E-02	9.48E-03	Yes
FM-1C H-Area Effluent	2-Feb-15	1.34E-01	1.98E-02	Yes
FM-1C H-Area Effluent	2-Mar-15	1.03E-01	1.53E-02	Yes
FM-1C H-Area Effluent	6-Apr-15	1.91E-01	2.52E-02	Yes
FM-1C H-Area Effluent	4-May-15	1.91E-01	2.46E-02	Yes
FM-1C H-Area Effluent	1-Jun-15	2.73E-02	9.48E-03	Yes
FM-1C H-Area Effluent	6-Jul-15	4.68E-02	1.02E-02	Yes
FM-1C H-Area Effluent	3-Aug-15	1.24E-01	1.75E-02	Yes
FM-1C H-Area Effluent	8-Sep-15	2.19E-01	2.60E-02	Yes
FM-1C H-Area Effluent	5-Oct-15	6.00E-02	1.19E-02	Yes
FM-1C H-Area Effluent	2-Nov-15	1.28E-01	1.78E-02	Yes
FM-1C H-Area Effluent	7-Dec-15	8.76E-02	1.47E-02	Yes
FM-1C H-Area Effluent	4-Jan-16	1.52E-01	1.82E-02	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Pu-238		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-3 F-Area Effluent	2-Feb-15	1.93E-02	6.39E-03	Yes
FM-3 F-Area Effluent	2-Mar-15	1.17E-02	4.51E-03	Yes
FM-3 F-Area Effluent	6-Apr-15	2.56E-02	7.35E-03	Yes
FM-3 F-Area Effluent	4-May-15	8.46E-03	3.86E-03	Yes
FM-3 F-Area Effluent	1-Jun-15	1.64E-02	7.47E-03	Yes
FM-3 F-Area Effluent	6-Jul-15	1.04E-02	4.32E-03	Yes
FM-3 F-Area Effluent	3-Aug-15	5.35E-03	3.11E-03	No
FM-3 F-Area Effluent	8-Sep-15	3.38E-03	2.50E-03	No
FM-3 F-Area Effluent	5-Oct-15	2.43E-03	2.89E-03	No
FM-3 F-Area Effluent	2-Nov-15	2.04E-02	6.76E-03	Yes
FM-3 F-Area Effluent	7-Dec-15	1.54E-02	6.69E-03	Yes
FM-3 F-Area Effluent	4-Jan-16	1.47E-02	5.32E-03	Yes
H-004	2-Feb-15	2.92E-02	1.70E-02	No
H-004	2-Mar-15	2.13E-02	1.53E-02	No
H-004	6-Apr-15	2.95E-02	1.72E-02	No
H-004	4-May-15	1.14E-02	1.15E-02	No
H-004	1-Jun-15	5.38E-02	2.60E-02	Yes
H-004	6-Jul-15	3.54E-03	1.27E-02	No
H-004	3-Aug-15	-2.12E-02	1.07E-02	No
H-004	8-Sep-15	1.09E-02	9.48E-03	No
H-004	5-Oct-15	-4.22E-05	5.60E-04	No
H-004	2-Nov-15	3.59E-02	1.95E-02	No
H-004	7-Dec-15	1.04E-01	3.66E-02	Yes
H-004	4-Jan-16	1.25E-01	3.64E-02	Yes
H-017 281-8H Retention Basin	6-Jan-15	7.84E-01	1.12E-01	Yes
H-017 281-8H Retention Basin	13-Feb-15	1.23E+00	1.49E-01	Yes
H-017 281-8H Retention Basin	28-Feb-15	1.04E+00	1.28E-01	Yes
H-017 281-8H Retention Basin	27-Mar-15	6.14E-01	1.35E-01	Yes
H-017 281-8H Retention Basin	18-Apr-15	2.55E-01	5.81E-02	Yes
H-017 281-8H Retention Basin	29-Apr-15	2.64E-01	4.92E-02	Yes
H-017 281-8H Retention Basin	30-May-15	7.38E-01	1.14E-01	Yes
H-017 281-8H Retention Basin	6-Jun-15	1.76E-01	4.66E-02	Yes
H-017 281-8H Retention Basin	25-Jun-15	8.76E-01	1.15E-01	Yes
H-017 281-8H Retention Basin	10-Jul-15	6.00E-01	8.72E-02	Yes
H-017 281-8H Retention Basin	21-Jul-15	4.92E-01	7.98E-02	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Pu-238		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
H-017 281-8H Retention Basin	1-Aug-15	3.81E-01	6.62E-02	Yes
H-017 281-8H Retention Basin	23-Aug-15	1.26E-01	3.29E-02	Yes
H-017 281-8H Retention Basin	10-Sep-15	6.08E-02	2.61E-02	Yes
H-017 281-8H Retention Basin	28-Sep-15	3.05E-01	5.77E-02	Yes
H-017 281-8H Retention Basin	7-Oct-15	3.05E-01	5.90E-02	Yes
H-017 281-8H Retention Basin	14-Oct-15	2.40E-01	4.90E-02	Yes
H-017 281-8H Retention Basin	6-Nov-15	5.89E-01	8.96E-02	Yes
H-017 281-8H Retention Basin	25-Nov-15	6.41E-01	9.56E-02	Yes
H-017 281-8H Retention Basin	18-Dec-15	1.24E+00	1.54E-01	Yes
H-017 281-8H Retention Basin	1-Jan-16	1.56E-01	4.05E-02	Yes
S-004	2-Feb-15	0.00E+00	1.11E-02	No
S-004	2-Mar-15	2.73E-02	1.60E-02	No
S-004	6-Apr-15	2.78E-02	1.63E-02	No
S-004	4-May-15	8.70E-03	8.76E-03	No
S-004	3-Aug-15	0.00E+00	8.72E-03	No
S-004	8-Sep-15	-1.60E-02	9.40E-03	No
S-004	5-Oct-15	1.55E-02	1.80E-02	No
S-004	2-Nov-15	3.22E-02	2.14E-02	No
S-004	7-Dec-15	4.05E-02	1.95E-02	No
S-004	4-Jan-16	5.19E-02	2.13E-02	Yes
TB-2 Outfall at Road 1A	2-Feb-15	1.72E-02	6.20E-03	Yes
TB-2 Outfall at Road 1A	2-Mar-15	9.51E-03	4.48E-03	No
TB-2 Outfall at Road 1A	6-Apr-15	1.31E-03	3.36E-03	No
TB-2 Outfall at Road 1A	4-May-15	2.81E-03	3.32E-03	No
TB-2 Outfall at Road 1A	1-Jun-15	2.86E-03	2.95E-03	No
TB-2 Outfall at Road 1A	6-Jul-15	7.81E-03	4.54E-03	No
TB-2 Outfall at Road 1A	3-Aug-15	6.11E-04	2.25E-03	No
TB-2 Outfall at Road 1A	8-Sep-15	6.70E-03	3.36E-03	No
TB-2 Outfall at Road 1A	5-Oct-15	1.23E-02	4.86E-03	Yes
TB-2 Outfall at Road 1A	2-Nov-15	3.84E-03	2.74E-03	No
TB-2 Outfall at Road 1A	7-Dec-15	7.51E-03	4.08E-03	No
TB-2 Outfall at Road 1A	4-Jan-16	3.24E-02	1.08E-02	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Pu-238		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	5-Jan-15	2.30E-03	8.29E-03	No
U3R-2A ETP Outfall at Road C	12-Jan-15	2.35E-03	8.53E-03	No
U3R-2A ETP Outfall at Road C	20-Jan-15	2.22E-02	1.42E-02	No
U3R-2A ETP Outfall at Road C	26-Jan-15	2.26E-03	8.21E-03	No
U3R-2A ETP Outfall at Road C	2-Feb-15	1.19E-02	8.49E-03	No
U3R-2A ETP Outfall at Road C	9-Feb-15	6.41E-03	6.45E-03	No
U3R-2A ETP Outfall at Road C	17-Feb-15	1.20E-02	8.55E-03	No
U3R-2A ETP Outfall at Road C	23-Feb-15	9.43E-03	1.11E-02	No
U3R-2A ETP Outfall at Road C	2-Mar-15	1.72E-02	1.44E-02	No
U3R-2A ETP Outfall at Road C	9-Mar-15	2.03E-02	1.18E-02	No
U3R-2A ETP Outfall at Road C	16-Mar-15	1.49E-02	1.19E-02	No
U3R-2A ETP Outfall at Road C	23-Mar-15	2.05E-03	7.46E-03	No
U3R-2A ETP Outfall at Road C	6-Apr-15	-4.14E-03	7.48E-03	No
U3R-2A ETP Outfall at Road C	13-Apr-15	-1.46E-02	8.46E-03	No
U3R-2A ETP Outfall at Road C	20-Apr-15	1.37E-02	9.82E-03	No
U3R-2A ETP Outfall at Road C	27-Apr-15	2.62E-02	1.43E-02	No
U3R-2A ETP Outfall at Road C	4-May-15	4.81E-02	1.81E-02	Yes
U3R-2A ETP Outfall at Road C	11-May-15	8.57E-03	1.01E-02	No
U3R-2A ETP Outfall at Road C	26-May-15	2.86E-02	1.45E-02	No
U3R-2A ETP Outfall at Road C	1-Jun-15	2.43E-02	1.31E-02	No
U3R-2A ETP Outfall at Road C	8-Jun-15	1.14E-02	8.88E-03	No
U3R-2A ETP Outfall at Road C	15-Jun-15	5.95E-02	2.01E-02	Yes
U3R-2A ETP Outfall at Road C	22-Jun-15	3.11E-02	1.75E-02	No
U3R-2A ETP Outfall at Road C	29-Jun-15	2.33E-02	1.38E-02	No
U3R-2A ETP Outfall at Road C	6-Jul-15	1.95E-02	1.14E-02	No
U3R-2A ETP Outfall at Road C	13-Jul-15	2.12E-03	7.20E-03	No
U3R-2A ETP Outfall at Road C	20-Jul-15	2.09E-03	8.04E-03	No
U3R-2A ETP Outfall at Road C	27-Jul-15	4.59E-02	2.06E-02	Yes
U3R-2A ETP Outfall at Road C	3-Aug-15	8.11E-03	9.52E-03	No
U3R-2A ETP Outfall at Road C	17-Aug-15	-5.05E-03	5.10E-03	No
U3R-2A ETP Outfall at Road C	31-Aug-15	1.44E-02	1.01E-02	No
U3R-2A ETP Outfall at Road C	8-Sep-15	0.00E+00	7.89E-03	No
U3R-2A ETP Outfall at Road C	21-Sep-15	5.95E-03	6.01E-03	No
U3R-2A ETP Outfall at Road C	28-Sep-15	6.43E-03	6.49E-03	No
U3R-2A ETP Outfall at Road C	12-Oct-15	8.68E-03	1.03E-02	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Pu-238		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	19-Oct-15	-2.25E-03	8.36E-03	No
U3R-2A ETP Outfall at Road C	26-Oct-15	-2.65E-06	7.45E-03	No
U3R-2A ETP Outfall at Road C	2-Nov-15	6.35E-03	6.38E-03	No
U3R-2A ETP Outfall at Road C	9-Nov-15	3.27E-02	1.49E-02	No
U3R-2A ETP Outfall at Road C	16-Nov-15	4.08E-03	1.05E-02	No
U3R-2A ETP Outfall at Road C	7-Dec-15	1.31E-02	9.48E-03	No
U3R-2A ETP Outfall at Road C	14-Dec-15	2.08E-02	1.21E-02	No
U3R-2A ETP Outfall at Road C	28-Dec-15	2.27E-02	1.51E-02	No
U3R-2A ETP Outfall at Road C	4-Jan-16	1.12E-02	7.92E-03	No
HP-52 H-Area Tank Farm	3-Feb-15	3.08E-02	7.98E-03	Yes
HP-52 H-Area Tank Farm	3-Mar-15	1.68E-02	5.65E-03	Yes
HP-52 H-Area Tank Farm	7-Apr-15	4.46E-03	3.74E-03	No
HP-52 H-Area Tank Farm	5-May-15	3.57E-02	8.96E-03	Yes
HP-52 H-Area Tank Farm	2-Jun-15	1.68E-01	2.05E-02	Yes
HP-52 H-Area Tank Farm	7-Jul-15	1.62E-02	5.99E-03	Yes
HP-52 H-Area Tank Farm	4-Aug-15	4.00E-03	3.22E-03	No
HP-52 H-Area Tank Farm	9-Sep-15	5.97E-03	3.80E-03	No
HP-52 H-Area Tank Farm	6-Oct-15	5.00E-04	1.82E-03	No
HP-52 H-Area Tank Farm	3-Nov-15	4.46E-03	2.59E-03	No
HP-52 H-Area Tank Farm	8-Dec-15	8.41E-03	3.81E-03	Yes
HP-52 H-Area Tank Farm	5-Jan-16	2.18E-02	6.65E-03	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Pu-239		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
F-012 281-8F Retention Basin	28-Jan-15	1.40E-02	1.66E-02	No
F-012 281-8F Retention Basin	5-Mar-15	-2.06E-05	3.59E-04	No
F-012 281-8F Retention Basin	19-Apr-15	-2.84E-05	4.87E-04	No
F-012 281-8F Retention Basin	3-Jun-15	1.90E-02	1.38E-02	No
F-012 281-8F Retention Basin	18-Jul-15	2.86E-03	1.06E-02	No
F-012 281-8F Retention Basin	25-Aug-15	-8.35E-03	1.27E-02	No
F-012 281-8F Retention Basin	13-Oct-15	-6.11E-03	6.07E-03	No
F-012 281-8F Retention Basin	11-Nov-15	2.24E-02	1.95E-02	No
F-013 200-F Cooling Basin	24-Jun-15	1.12E-01	3.76E-02	Yes
F-013 200-F Cooling Basin	26-Aug-15	1.90E-02	1.59E-02	No
F-013 200-F Cooling Basin	4-Oct-15	1.34E-01	3.34E-02	Yes
F-013 200-F Cooling Basin	16-Dec-15	3.43E-02	1.89E-02	No
F-05	2-Feb-15	7.89E-03	4.01E-03	No
F-05	2-Mar-15	9.14E-03	5.28E-03	No
F-05	6-Apr-15	1.76E-03	3.72E-03	No
F-05	4-May-15	1.23E-02	5.11E-03	Yes
F-05	6-Jul-15	5.84E-03	3.42E-03	No
F-05	3-Aug-15	3.24E-02	8.10E-03	Yes
F-05	8-Sep-15	1.02E-02	4.31E-03	No
F-05	5-Oct-15	4.05E-03	3.40E-03	No
F-05	2-Nov-15	-6.14E-04	2.53E-03	No
F-05	7-Dec-15	6.59E-03	4.21E-03	No
F-05	4-Jan-16	1.14E-02	5.28E-03	Yes
FM-1C H-Area Effluent	2-Feb-15	3.68E-03	2.62E-03	No
FM-1C H-Area Effluent	2-Mar-15	3.05E-03	2.24E-03	No
FM-1C H-Area Effluent	6-Apr-15	1.05E-02	4.51E-03	No
FM-1C H-Area Effluent	4-May-15	1.39E-02	5.77E-03	Yes
FM-1C H-Area Effluent	1-Jun-15	4.11E-03	3.36E-03	No
FM-1C H-Area Effluent	6-Jul-15	6.14E-04	2.22E-03	No
FM-1C H-Area Effluent	3-Aug-15	1.21E-02	4.93E-03	Yes
FM-1C H-Area Effluent	8-Sep-15	1.24E-02	5.09E-03	Yes
FM-1C H-Area Effluent	5-Oct-15	1.00E-02	5.03E-03	No
FM-1C H-Area Effluent	2-Nov-15	1.06E-02	4.85E-03	Yes
FM-1C H-Area Effluent	7-Dec-15	3.38E-03	2.40E-03	No
FM-1C H-Area Effluent	4-Jan-16	2.84E-03	1.87E-03	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Pu-239		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-3 F-Area Effluent	2-Feb-15	5.78E-03	3.38E-03	No
FM-3 F-Area Effluent	2-Mar-15	3.35E-03	2.44E-03	No
FM-3 F-Area Effluent	6-Apr-15	9.14E-03	4.29E-03	Yes
FM-3 F-Area Effluent	4-May-15	1.52E-02	5.36E-03	Yes
FM-3 F-Area Effluent	1-Jun-15	7.89E-03	4.42E-03	No
FM-3 F-Area Effluent	6-Jul-15	5.22E-03	3.06E-03	No
FM-3 F-Area Effluent	3-Aug-15	3.57E-03	2.56E-03	No
FM-3 F-Area Effluent	8-Sep-15	2.03E-02	6.17E-03	Yes
FM-3 F-Area Effluent	5-Oct-15	7.27E-03	3.90E-03	No
FM-3 F-Area Effluent	2-Nov-15	8.73E-03	5.13E-03	No
FM-3 F-Area Effluent	7-Dec-15	4.00E-03	4.64E-03	No
FM-3 F-Area Effluent	4-Jan-16	5.08E-03	3.22E-03	No
H-004	2-Feb-15	-6.46E-03	6.49E-03	No
H-004	2-Mar-15	-7.11E-03	7.14E-03	No
H-004	6-Apr-15	1.97E-02	1.40E-02	No
H-004	4-May-15	-7.62E-03	7.63E-03	No
H-004	1-Jun-15	0.00E+00	1.28E-02	No
H-004	6-Jul-15	3.51E-03	1.27E-02	No
H-004	3-Aug-15	7.89E-03	8.01E-03	No
H-004	8-Sep-15	-1.64E-02	9.59E-03	No
H-004	5-Oct-15	-3.00E-03	1.24E-02	No
H-004	2-Nov-15	-5.27E-05	6.93E-04	No
H-004	7-Dec-15	0.00E+00	1.09E-02	No
H-004	4-Jan-16	6.24E-03	1.59E-02	No
H-017 281-8H Retention Basin	6-Jan-15	3.57E-02	2.39E-02	No
H-017 281-8H Retention Basin	13-Feb-15	1.07E-01	3.32E-02	Yes
H-017 281-8H Retention Basin	28-Feb-15	6.81E-02	2.59E-02	Yes
H-017 281-8H Retention Basin	27-Mar-15	4.86E-02	3.93E-02	No
H-017 281-8H Retention Basin	18-Apr-15	1.74E-02	2.08E-02	No
H-017 281-8H Retention Basin	29-Apr-15	2.51E-02	1.61E-02	No
H-017 281-8H Retention Basin	30-May-15	3.54E-03	2.39E-02	No
H-017 281-8H Retention Basin	6-Jun-15	6.84E-03	1.78E-02	No
H-017 281-8H Retention Basin	25-Jun-15	1.18E-02	1.44E-02	No
H-017 281-8H Retention Basin	10-Jul-15	7.68E-02	2.63E-02	Yes
H-017 281-8H Retention Basin	21-Jul-15	8.22E-02	2.85E-02	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Pu-239		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
H-017 281-8H Retention Basin	1-Aug-15	5.59E-02	2.46E-02	Yes
H-017 281-8H Retention Basin	23-Aug-15	2.61E-03	9.48E-03	No
H-017 281-8H Retention Basin	10-Sep-15	2.53E-02	1.62E-02	No
H-017 281-8H Retention Basin	28-Sep-15	3.76E-02	2.07E-02	No
H-017 281-8H Retention Basin	7-Oct-15	3.54E-02	1.82E-02	No
H-017 281-8H Retention Basin	14-Oct-15	2.73E-03	1.00E-02	No
H-017 281-8H Retention Basin	6-Nov-15	5.68E-02	2.57E-02	Yes
H-017 281-8H Retention Basin	25-Nov-15	7.51E-02	2.87E-02	Yes
H-017 281-8H Retention Basin	18-Dec-15	9.70E-02	3.22E-02	Yes
H-017 281-8H Retention Basin	1-Jan-16	1.64E-02	1.16E-02	No
S-004	2-Feb-15	-1.75E-02	1.02E-02	No
S-004	2-Mar-15	3.03E-03	1.09E-02	No
S-004	6-Apr-15	-1.23E-05	1.73E-04	No
S-004	4-May-15	8.70E-03	8.72E-03	No
S-004	3-Aug-15	-4.11E-05	5.36E-04	No
S-004	8-Sep-15	-1.06E-02	7.60E-03	No
S-004	5-Oct-15	1.82E-02	1.45E-02	No
S-004	2-Nov-15	-2.97E-03	1.21E-02	No
S-004	7-Dec-15	1.52E-02	1.07E-02	No
S-004	4-Jan-16	2.01E-02	1.61E-02	No
TB-2 Outfall at Road 1A	2-Feb-15	2.86E-03	3.35E-03	No
TB-2 Outfall at Road 1A	2-Mar-15	9.51E-03	4.32E-03	No
TB-2 Outfall at Road 1A	6-Apr-15	-1.32E-03	1.32E-03	No
TB-2 Outfall at Road 1A	4-May-15	2.11E-03	2.12E-03	No
TB-2 Outfall at Road 1A	1-Jun-15	0.00E+00	3.47E-03	No
TB-2 Outfall at Road 1A	6-Jul-15	-6.92E-03	3.47E-03	No
TB-2 Outfall at Road 1A	3-Aug-15	-8.19E-06	5.47E-04	No
TB-2 Outfall at Road 1A	8-Sep-15	-1.11E-03	1.21E-03	No
TB-2 Outfall at Road 1A	5-Oct-15	3.51E-03	2.54E-03	No
TB-2 Outfall at Road 1A	2-Nov-15	-1.05E-05	7.07E-04	No
TB-2 Outfall at Road 1A	7-Dec-15	4.05E-03	3.22E-03	No
TB-2 Outfall at Road 1A	4-Jan-16	-3.51E-03	2.50E-03	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Pu-239		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	5-Jan-15	-8.57E-06	1.75E-04	No
U3R-2A ETP Outfall at Road C	12-Jan-15	7.08E-03	7.10E-03	No
U3R-2A ETP Outfall at Road C	20-Jan-15	8.86E-03	1.04E-02	No
U3R-2A ETP Outfall at Road C	26-Jan-15	9.08E-03	1.07E-02	No
U3R-2A ETP Outfall at Road C	2-Feb-15	7.92E-03	9.32E-03	No
U3R-2A ETP Outfall at Road C	9-Feb-15	1.28E-02	1.48E-02	No
U3R-2A ETP Outfall at Road C	17-Feb-15	-8.00E-03	5.69E-03	No
U3R-2A ETP Outfall at Road C	23-Feb-15	2.36E-02	1.51E-02	No
U3R-2A ETP Outfall at Road C	2-Mar-15	6.43E-03	6.51E-03	No
U3R-2A ETP Outfall at Road C	9-Mar-15	9.00E-03	1.06E-02	No
U3R-2A ETP Outfall at Road C	16-Mar-15	-8.54E-03	6.04E-03	No
U3R-2A ETP Outfall at Road C	23-Mar-15	-4.14E-03	4.13E-03	No
U3R-2A ETP Outfall at Road C	6-Apr-15	2.47E-02	1.26E-02	No
U3R-2A ETP Outfall at Road C	13-Apr-15	9.68E-03	1.14E-02	No
U3R-2A ETP Outfall at Road C	20-Apr-15	6.84E-03	6.94E-03	No
U3R-2A ETP Outfall at Road C	27-Apr-15	1.41E-02	1.13E-02	No
U3R-2A ETP Outfall at Road C	4-May-15	2.30E-02	1.17E-02	No
U3R-2A ETP Outfall at Road C	11-May-15	1.07E-02	1.27E-02	No
U3R-2A ETP Outfall at Road C	26-May-15	2.36E-03	8.59E-03	No
U3R-2A ETP Outfall at Road C	1-Jun-15	1.21E-02	8.88E-03	No
U3R-2A ETP Outfall at Road C	8-Jun-15	1.52E-02	1.29E-02	No
U3R-2A ETP Outfall at Road C	15-Jun-15	1.79E-02	1.05E-02	No
U3R-2A ETP Outfall at Road C	22-Jun-15	-2.43E-03	9.89E-03	No
U3R-2A ETP Outfall at Road C	29-Jun-15	1.03E-02	1.26E-02	No
U3R-2A ETP Outfall at Road C	6-Jul-15	2.60E-02	1.32E-02	No
U3R-2A ETP Outfall at Road C	13-Jul-15	-2.12E-03	8.72E-03	No
U3R-2A ETP Outfall at Road C	20-Jul-15	1.30E-02	9.40E-03	No
U3R-2A ETP Outfall at Road C	27-Jul-15	9.65E-03	1.15E-02	No
U3R-2A ETP Outfall at Road C	3-Aug-15	-2.03E-03	7.26E-03	No
U3R-2A ETP Outfall at Road C	17-Aug-15	2.52E-03	9.13E-03	No
U3R-2A ETP Outfall at Road C	31-Aug-15	-2.40E-03	8.41E-03	No
U3R-2A ETP Outfall at Road C	8-Sep-15	4.32E-03	1.11E-02	No
U3R-2A ETP Outfall at Road C	21-Sep-15	1.78E-02	1.51E-02	No
U3R-2A ETP Outfall at Road C	28-Sep-15	6.41E-03	6.56E-03	No
U3R-2A ETP Outfall at Road C	12-Oct-15	1.30E-02	9.40E-03	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Pu-239		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	19-Oct-15	-3.59E-05	7.40E-04	No
U3R-2A ETP Outfall at Road C	26-Oct-15	2.08E-02	1.33E-02	No
U3R-2A ETP Outfall at Road C	2-Nov-15	6.35E-03	6.40E-03	No
U3R-2A ETP Outfall at Road C	9-Nov-15	2.04E-03	8.40E-03	No
U3R-2A ETP Outfall at Road C	16-Nov-15	-1.25E-02	7.46E-03	No
U3R-2A ETP Outfall at Road C	7-Dec-15	8.73E-03	1.03E-02	No
U3R-2A ETP Outfall at Road C	14-Dec-15	2.26E-03	8.42E-03	No
U3R-2A ETP Outfall at Road C	28-Dec-15	-4.14E-03	4.16E-03	No
U3R-2A ETP Outfall at Road C	4-Jan-16	5.59E-03	5.58E-03	No
HP-52 H-Area Tank Farm	3-Feb-15	0.00E+00	2.21E-03	No
HP-52 H-Area Tank Farm	3-Mar-15	3.78E-03	3.05E-03	No
HP-52 H-Area Tank Farm	7-Apr-15	5.54E-04	2.02E-03	No
HP-52 H-Area Tank Farm	5-May-15	1.30E-03	3.32E-03	No
HP-52 H-Area Tank Farm	2-Jun-15	4.68E-03	3.87E-03	No
HP-52 H-Area Tank Farm	7-Jul-15	6.73E-04	2.45E-03	No
HP-52 H-Area Tank Farm	4-Aug-15	2.86E-03	3.40E-03	No
HP-52 H-Area Tank Farm	9-Sep-15	-1.21E-03	1.31E-03	No
HP-52 H-Area Tank Farm	6-Oct-15	1.50E-03	1.52E-03	No
HP-52 H-Area Tank Farm	3-Nov-15	9.81E-04	2.58E-03	No
HP-52 H-Area Tank Farm	8-Dec-15	5.03E-03	3.01E-03	No
HP-52 H-Area Tank Farm	5-Jan-16	6.38E-03	3.21E-03	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Am-241		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
F-012 281-8F Retention Basin	28-Jan-15	-1.30E-05	1.64E-04	No
F-012 281-8F Retention Basin	5-Mar-15	2.81E-03	1.02E-02	No
F-012 281-8F Retention Basin	19-Apr-15	-8.62E-06	1.07E-04	No
F-012 281-8F Retention Basin	3-Jun-15	1.16E-02	1.38E-02	No
F-012 281-8F Retention Basin	18-Jul-15	3.00E-03	1.09E-02	No
F-012 281-8F Retention Basin	25-Aug-15	8.19E-03	8.29E-03	No
F-012 281-8F Retention Basin	13-Oct-15	0.00E+00	1.08E-02	No
F-012 281-8F Retention Basin	11-Nov-15	1.92E-02	1.36E-02	No
F-013 200-F Cooling Basin	24-Jun-15	5.46E-02	2.46E-02	Yes
F-013 200-F Cooling Basin	26-Aug-15	5.86E-02	2.26E-02	Yes
F-013 200-F Cooling Basin	4-Oct-15	7.27E-02	2.78E-02	Yes
F-013 200-F Cooling Basin	16-Dec-15	4.81E-02	2.40E-02	No
F-05	2-Feb-15	2.18E-02	6.45E-03	Yes
F-05	2-Mar-15	1.55E-02	5.30E-03	Yes
F-05	6-Apr-15	8.81E-03	4.26E-03	Yes
F-05	4-May-15	6.84E-02	1.13E-02	Yes
F-05	6-Jul-15	1.40E-02	5.37E-03	Yes
F-05	3-Aug-15	9.46E-02	1.36E-02	Yes
F-05	8-Sep-15	1.22E-01	1.58E-02	Yes
F-05	5-Oct-15	1.47E-02	5.27E-03	Yes
F-05	2-Nov-15	3.51E-03	2.51E-03	No
F-05	7-Dec-15	6.41E-03	5.30E-03	No
F-05	4-Jan-16	1.03E-02	8.24E-03	No
FM-1C H-Area Effluent	2-Feb-15	1.41E-02	5.69E-03	Yes
FM-1C H-Area Effluent	2-Mar-15	8.81E-03	4.00E-03	Yes
FM-1C H-Area Effluent	6-Apr-15	6.27E-03	3.17E-03	No
FM-1C H-Area Effluent	4-May-15	1.40E-02	5.35E-03	Yes
FM-1C H-Area Effluent	1-Jun-15	2.25E-03	2.77E-03	No
FM-1C H-Area Effluent	6-Jul-15	8.84E-03	3.99E-03	Yes
FM-1C H-Area Effluent	3-Aug-15	7.05E-03	3.58E-03	No
FM-1C H-Area Effluent	8-Sep-15	2.02E-02	6.69E-03	Yes
FM-1C H-Area Effluent	5-Oct-15	7.95E-03	4.00E-03	Yes
FM-1C H-Area Effluent	2-Nov-15	8.89E-03	4.29E-03	Yes
FM-1C H-Area Effluent	7-Dec-15	8.05E-03	3.63E-03	No
FM-1C H-Area Effluent	4-Jan-16	5.08E-03	5.99E-03	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Am-241		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-3 F-Area Effluent	2-Feb-15	-2.60E-06	1.66E-04	No
FM-3 F-Area Effluent	2-Mar-15	1.62E-03	1.64E-03	No
FM-3 F-Area Effluent	6-Apr-15	3.51E-03	2.50E-03	No
FM-3 F-Area Effluent	4-May-15	9.78E-03	4.70E-03	Yes
FM-3 F-Area Effluent	1-Jun-15	1.78E-03	1.97E-03	No
FM-3 F-Area Effluent	6-Jul-15	2.29E-03	2.68E-03	No
FM-3 F-Area Effluent	3-Aug-15	5.38E-03	3.13E-03	No
FM-3 F-Area Effluent	8-Sep-15	2.68E-02	7.02E-03	Yes
FM-3 F-Area Effluent	5-Oct-15	9.30E-03	4.20E-03	No
FM-3 F-Area Effluent	2-Nov-15	4.03E-03	3.23E-03	No
FM-3 F-Area Effluent	7-Dec-15	0.00E+00	2.09E-03	No
FM-3 F-Area Effluent	4-Jan-16	-5.70E-03	4.04E-03	No
H-017 281-8H Retention Basin	6-Jan-15	1.98E-02	1.41E-02	No
H-017 281-8H Retention Basin	13-Feb-15	7.22E-02	2.46E-02	Yes
H-017 281-8H Retention Basin	28-Feb-15	8.30E-02	2.78E-02	Yes
H-017 281-8H Retention Basin	27-Mar-15	1.66E-01	4.07E-02	Yes
H-017 281-8H Retention Basin	18-Apr-15	5.41E-02	2.35E-02	Yes
H-017 281-8H Retention Basin	29-Apr-15	4.89E-02	2.13E-02	Yes
H-017 281-8H Retention Basin	30-May-15	1.14E-02	1.35E-02	No
H-017 281-8H Retention Basin	6-Jun-15	2.14E-02	1.72E-02	No
H-017 281-8H Retention Basin	25-Jun-15	1.85E-02	1.48E-02	No
H-017 281-8H Retention Basin	10-Jul-15	3.57E-02	1.79E-02	No
H-017 281-8H Retention Basin	21-Jul-15	5.97E-03	1.52E-02	No
H-017 281-8H Retention Basin	1-Aug-15	8.38E-03	8.40E-03	No
H-017 281-8H Retention Basin	23-Aug-15	2.39E-02	1.39E-02	No
H-017 281-8H Retention Basin	10-Sep-15	2.45E-02	1.42E-02	No
H-017 281-8H Retention Basin	28-Sep-15	0.00E+00	1.05E-02	No
H-017 281-8H Retention Basin	7-Oct-15	3.43E-02	1.73E-02	No
H-017 281-8H Retention Basin	14-Oct-15	1.78E-02	1.26E-02	No
H-017 281-8H Retention Basin	6-Nov-15	2.69E-02	1.71E-02	No
H-017 281-8H Retention Basin	25-Nov-15	5.97E-02	2.29E-02	Yes
H-017 281-8H Retention Basin	18-Dec-15	6.30E-02	2.26E-02	Yes
H-017 281-8H Retention Basin	1-Jan-16	1.67E-02	1.68E-02	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Am-241		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	5-Jan-15	7.22E-03	7.24E-03	No
U3R-2A ETP Outfall at Road C	12-Jan-15	6.54E-03	6.57E-03	No
U3R-2A ETP Outfall at Road C	20-Jan-15	-1.04E-05	1.64E-04	No
U3R-2A ETP Outfall at Road C	26-Jan-15	-1.04E-05	1.64E-04	No
U3R-2A ETP Outfall at Road C	2-Feb-15	-1.04E-05	1.73E-04	No
U3R-2A ETP Outfall at Road C	9-Feb-15	6.73E-03	6.77E-03	No
U3R-2A ETP Outfall at Road C	17-Feb-15	9.30E-03	1.09E-02	No
U3R-2A ETP Outfall at Road C	23-Feb-15	6.35E-03	6.40E-03	No
U3R-2A ETP Outfall at Road C	2-Mar-15	2.67E-02	1.35E-02	No
U3R-2A ETP Outfall at Road C	9-Mar-15	-9.89E-03	7.02E-03	No
U3R-2A ETP Outfall at Road C	16-Mar-15	6.05E-03	6.07E-03	No
U3R-2A ETP Outfall at Road C	23-Mar-15	2.65E-02	1.44E-02	No
U3R-2A ETP Outfall at Road C	6-Apr-15	1.26E-02	8.96E-03	No
U3R-2A ETP Outfall at Road C	13-Apr-15	-6.89E-06	1.08E-04	No
U3R-2A ETP Outfall at Road C	20-Apr-15	2.22E-02	1.41E-02	No
U3R-2A ETP Outfall at Road C	27-Apr-15	6.03E-03	6.03E-03	No
U3R-2A ETP Outfall at Road C	4-May-15	3.78E-02	1.56E-02	Yes
U3R-2A ETP Outfall at Road C	11-May-15	1.43E-02	1.14E-02	No
U3R-2A ETP Outfall at Road C	26-May-15	-6.46E-06	9.48E-05	No
U3R-2A ETP Outfall at Road C	1-Jun-15	6.73E-03	6.86E-03	No
U3R-2A ETP Outfall at Road C	8-Jun-15	1.21E-02	8.67E-03	No
U3R-2A ETP Outfall at Road C	15-Jun-15	-4.43E-03	4.41E-03	No
U3R-2A ETP Outfall at Road C	22-Jun-15	2.16E-03	7.90E-03	No
U3R-2A ETP Outfall at Road C	29-Jun-15	0.00E+00	8.35E-03	No
U3R-2A ETP Outfall at Road C	6-Jul-15	0.00E+00	7.76E-03	No
U3R-2A ETP Outfall at Road C	13-Jul-15	0.00E+00	7.49E-03	No
U3R-2A ETP Outfall at Road C	20-Jul-15	-4.46E-03	4.58E-03	No
U3R-2A ETP Outfall at Road C	27-Jul-15	7.08E-03	7.08E-03	No
U3R-2A ETP Outfall at Road C	3-Aug-15	-4.30E-03	4.28E-03	No
U3R-2A ETP Outfall at Road C	17-Aug-15	-6.92E-06	1.03E-04	No
U3R-2A ETP Outfall at Road C	31-Aug-15	-4.30E-03	4.26E-03	No
U3R-2A ETP Outfall at Road C	8-Sep-15	-3.51E-05	5.11E-04	No
U3R-2A ETP Outfall at Road C	21-Sep-15	6.62E-03	6.63E-03	No
U3R-2A ETP Outfall at Road C	28-Sep-15	-4.65E-03	4.66E-03	No
U3R-2A ETP Outfall at Road C	12-Oct-15	0.00E+00	8.41E-03	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Am-241		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	19-Oct-15	8.97E-03	1.05E-02	No
U3R-2A ETP Outfall at Road C	26-Oct-15	2.19E-02	1.27E-02	No
U3R-2A ETP Outfall at Road C	2-Nov-15	-4.49E-03	4.49E-03	No
U3R-2A ETP Outfall at Road C	9-Nov-15	-4.95E-03	4.92E-03	No
U3R-2A ETP Outfall at Road C	16-Nov-15	2.32E-03	8.40E-03	No
U3R-2A ETP Outfall at Road C	7-Dec-15	6.59E-03	6.60E-03	No
U3R-2A ETP Outfall at Road C	14-Dec-15	6.81E-03	6.82E-03	No
U3R-2A ETP Outfall at Road C	28-Dec-15	-7.35E-03	7.33E-03	No
U3R-2A ETP Outfall at Road C	4-Jan-16	-1.74E-05	2.70E-04	No
HP-52 H-Area Tank Farm	3-Feb-15	1.03E-02	4.63E-03	Yes
HP-52 H-Area Tank Farm	3-Mar-15	3.49E-03	2.60E-03	No
HP-52 H-Area Tank Farm	7-Apr-15	4.22E-03	3.45E-03	No
HP-52 H-Area Tank Farm	5-May-15	9.41E-03	4.32E-03	No
HP-52 H-Area Tank Farm	2-Jun-15	3.92E-03	3.16E-03	No
HP-52 H-Area Tank Farm	7-Jul-15	3.81E-03	2.95E-03	No
HP-52 H-Area Tank Farm	4-Aug-15	5.81E-03	3.82E-03	No
HP-52 H-Area Tank Farm	9-Sep-15	2.13E-03	2.50E-03	No
HP-52 H-Area Tank Farm	6-Oct-15	1.18E-02	4.58E-03	Yes
HP-52 H-Area Tank Farm	3-Nov-15	1.68E-03	2.03E-03	No
HP-52 H-Area Tank Farm	8-Dec-15	6.46E-03	4.04E-03	No
HP-52 H-Area Tank Farm	5-Jan-16	1.37E-02	5.23E-03	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Cm-244		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
F-012 281-8F Retention Basin	28-Jan-15	0.00E+00	9.82E-03	No
F-012 281-8F Retention Basin	5-Mar-15	1.11E-02	1.31E-02	No
F-012 281-8F Retention Basin	19-Apr-15	-5.65E-03	5.67E-03	No
F-012 281-8F Retention Basin	3-Jun-15	-4.32E-05	5.10E-04	No
F-012 281-8F Retention Basin	18-Jul-15	1.78E-02	1.26E-02	No
F-012 281-8F Retention Basin	25-Aug-15	2.44E-02	1.42E-02	No
F-012 281-8F Retention Basin	13-Oct-15	0.00E+00	1.08E-02	No
F-012 281-8F Retention Basin	11-Nov-15	-6.32E-03	6.48E-03	No
F-013 200-F Cooling Basin	24-Jun-15	3.76E-02	2.13E-02	No
F-013 200-F Cooling Basin	26-Aug-15	9.14E-02	2.81E-02	Yes
F-013 200-F Cooling Basin	4-Oct-15	6.51E-02	2.82E-02	Yes
F-013 200-F Cooling Basin	16-Dec-15	4.46E-02	2.13E-02	Yes
F-05	2-Feb-15	1.62E-03	1.63E-03	No
F-05	2-Mar-15	3.41E-03	2.42E-03	No
F-05	6-Apr-15	3.27E-03	2.32E-03	No
F-05	4-May-15	8.05E-03	3.63E-03	Yes
F-05	6-Jul-15	6.59E-04	2.43E-03	No
F-05	3-Aug-15	2.53E-02	6.56E-03	Yes
F-05	8-Sep-15	2.14E-02	5.87E-03	Yes
F-05	5-Oct-15	1.81E-03	1.83E-03	No
F-05	2-Nov-15	0.00E+00	2.16E-03	No
F-05	7-Dec-15	-3.43E-03	5.80E-03	No
F-05	4-Jan-16	2.89E-03	7.40E-03	No
FM-1C H-Area Effluent	2-Feb-15	9.51E-03	4.30E-03	No
FM-1C H-Area Effluent	2-Mar-15	6.97E-03	3.51E-03	No
FM-1C H-Area Effluent	6-Apr-15	1.29E-02	4.84E-03	Yes
FM-1C H-Area Effluent	4-May-15	2.64E-03	3.09E-03	No
FM-1C H-Area Effluent	1-Jun-15	6.68E-03	3.46E-03	No
FM-1C H-Area Effluent	6-Jul-15	5.24E-03	3.05E-03	No
FM-1C H-Area Effluent	3-Aug-15	5.81E-03	3.73E-03	No
FM-1C H-Area Effluent	8-Sep-15	5.14E-03	2.99E-03	No
FM-1C H-Area Effluent	5-Oct-15	3.92E-03	2.78E-03	No
FM-1C H-Area Effluent	2-Nov-15	4.95E-03	2.86E-03	No
FM-1C H-Area Effluent	7-Dec-15	5.30E-04	1.91E-03	No
FM-1C H-Area Effluent	4-Jan-16	7.51E-03	5.32E-03	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Cm-244		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-3 F-Area Effluent	2-Feb-15	1.17E-03	3.00E-03	No
FM-3 F-Area Effluent	2-Mar-15	5.35E-03	3.40E-03	No
FM-3 F-Area Effluent	6-Apr-15	8.65E-03	3.92E-03	Yes
FM-3 F-Area Effluent	4-May-15	2.42E-03	2.85E-03	No
FM-3 F-Area Effluent	1-Jun-15	1.76E-03	1.88E-03	No
FM-3 F-Area Effluent	6-Jul-15	1.69E-03	1.70E-03	No
FM-3 F-Area Effluent	3-Aug-15	1.76E-03	1.79E-03	No
FM-3 F-Area Effluent	8-Sep-15	5.51E-04	1.98E-03	No
FM-3 F-Area Effluent	5-Oct-15	-1.22E-03	1.30E-03	No
FM-3 F-Area Effluent	2-Nov-15	1.71E-03	1.71E-03	No
FM-3 F-Area Effluent	7-Dec-15	1.75E-03	1.76E-03	No
FM-3 F-Area Effluent	4-Jan-16	4.22E-03	4.89E-03	No
H-017 281-8H Retention Basin	6-Jan-15	0.00E+00	1.20E-02	No
H-017 281-8H Retention Basin	13-Feb-15	7.92E-03	7.94E-03	No
H-017 281-8H Retention Basin	28-Feb-15	1.59E-02	1.13E-02	No
H-017 281-8H Retention Basin	27-Mar-15	1.09E-01	3.65E-02	Yes
H-017 281-8H Retention Basin	18-Apr-15	2.81E-02	1.78E-02	No
H-017 281-8H Retention Basin	29-Apr-15	3.05E-02	1.54E-02	No
H-017 281-8H Retention Basin	30-May-15	1.69E-02	1.21E-02	No
H-017 281-8H Retention Basin	6-Jun-15	3.00E-02	1.92E-02	No
H-017 281-8H Retention Basin	25-Jun-15	0.00E+00	9.59E-03	No
H-017 281-8H Retention Basin	10-Jul-15	2.92E-03	1.06E-02	No
H-017 281-8H Retention Basin	21-Jul-15	8.81E-03	8.84E-03	No
H-017 281-8H Retention Basin	1-Aug-15	-1.70E-05	2.00E-04	No
H-017 281-8H Retention Basin	23-Aug-15	0.00E+00	9.67E-03	No
H-017 281-8H Retention Basin	10-Sep-15	0.00E+00	9.89E-03	No
H-017 281-8H Retention Basin	28-Sep-15	9.30E-03	9.32E-03	No
H-017 281-8H Retention Basin	7-Oct-15	0.00E+00	1.01E-02	No
H-017 281-8H Retention Basin	14-Oct-15	2.05E-02	1.63E-02	No
H-017 281-8H Retention Basin	6-Nov-15	-1.06E-04	1.24E-03	No
H-017 281-8H Retention Basin	25-Nov-15	1.69E-02	1.20E-02	No
H-017 281-8H Retention Basin	18-Dec-15	0.00E+00	1.01E-02	No
H-017 281-8H Retention Basin	1-Jan-16	1.65E-02	1.65E-02	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Cm-244		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	5-Jan-15	0.00E+00	8.48E-03	No
U3R-2A ETP Outfall at Road C	12-Jan-15	0.00E+00	7.96E-03	No
U3R-2A ETP Outfall at Road C	20-Jan-15	0.00E+00	8.38E-03	No
U3R-2A ETP Outfall at Road C	26-Jan-15	1.30E-02	9.24E-03	No
U3R-2A ETP Outfall at Road C	2-Feb-15	0.00E+00	1.29E-02	No
U3R-2A ETP Outfall at Road C	9-Feb-15	0.00E+00	8.42E-03	No
U3R-2A ETP Outfall at Road C	17-Feb-15	-4.59E-03	4.60E-03	No
U3R-2A ETP Outfall at Road C	23-Feb-15	-4.19E-03	4.20E-03	No
U3R-2A ETP Outfall at Road C	2-Mar-15	1.98E-02	1.15E-02	No
U3R-2A ETP Outfall at Road C	9-Mar-15	7.32E-03	7.34E-03	No
U3R-2A ETP Outfall at Road C	16-Mar-15	7.97E-03	9.36E-03	No
U3R-2A ETP Outfall at Road C	23-Mar-15	2.42E-02	1.22E-02	No
U3R-2A ETP Outfall at Road C	6-Apr-15	2.49E-02	1.26E-02	No
U3R-2A ETP Outfall at Road C	13-Apr-15	1.30E-02	9.24E-03	No
U3R-2A ETP Outfall at Road C	20-Apr-15	6.57E-03	6.59E-03	No
U3R-2A ETP Outfall at Road C	27-Apr-15	5.95E-03	5.96E-03	No
U3R-2A ETP Outfall at Road C	4-May-15	1.88E-02	1.09E-02	No
U3R-2A ETP Outfall at Road C	11-May-15	0.00E+00	7.91E-03	No
U3R-2A ETP Outfall at Road C	26-May-15	2.21E-03	7.97E-03	No
U3R-2A ETP Outfall at Road C	1-Jun-15	4.24E-02	1.85E-02	Yes
U3R-2A ETP Outfall at Road C	8-Jun-15	5.95E-03	6.03E-03	No
U3R-2A ETP Outfall at Road C	15-Jun-15	2.17E-03	7.84E-03	No
U3R-2A ETP Outfall at Road C	22-Jun-15	-4.30E-03	4.32E-03	No
U3R-2A ETP Outfall at Road C	29-Jun-15	-4.30E-03	4.32E-03	No
U3R-2A ETP Outfall at Road C	6-Jul-15	6.49E-03	6.50E-03	No
U3R-2A ETP Outfall at Road C	13-Jul-15	0.00E+00	7.50E-03	No
U3R-2A ETP Outfall at Road C	20-Jul-15	0.00E+00	8.22E-03	No
U3R-2A ETP Outfall at Road C	27-Jul-15	2.32E-03	8.38E-03	No
U3R-2A ETP Outfall at Road C	3-Aug-15	6.32E-03	6.37E-03	No
U3R-2A ETP Outfall at Road C	17-Aug-15	9.51E-03	1.12E-02	No
U3R-2A ETP Outfall at Road C	31-Aug-15	-4.22E-03	4.22E-03	No
U3R-2A ETP Outfall at Road C	8-Sep-15	6.38E-03	6.39E-03	No
U3R-2A ETP Outfall at Road C	21-Sep-15	0.00E+00	7.96E-03	No
U3R-2A ETP Outfall at Road C	28-Sep-15	-9.19E-03	6.56E-03	No
U3R-2A ETP Outfall at Road C	12-Oct-15	0.00E+00	8.43E-03	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Cm-244		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	19-Oct-15	8.89E-03	1.04E-02	No
U3R-2A ETP Outfall at Road C	26-Oct-15	7.19E-03	7.21E-03	No
U3R-2A ETP Outfall at Road C	2-Nov-15	2.21E-02	1.40E-02	No
U3R-2A ETP Outfall at Road C	9-Nov-15	-8.46E-05	1.25E-03	No
U3R-2A ETP Outfall at Road C	16-Nov-15	2.06E-02	1.19E-02	No
U3R-2A ETP Outfall at Road C	7-Dec-15	1.95E-02	1.13E-02	No
U3R-2A ETP Outfall at Road C	14-Dec-15	6.73E-03	8.07E-03	No
U3R-2A ETP Outfall at Road C	28-Dec-15	3.62E-03	1.36E-02	No
U3R-2A ETP Outfall at Road C	4-Jan-16	1.04E-02	1.04E-02	No
HP-52 H-Area Tank Farm	3-Feb-15	-3.97E-06	2.46E-04	No
HP-52 H-Area Tank Farm	3-Mar-15	-1.16E-03	1.17E-03	No
HP-52 H-Area Tank Farm	7-Apr-15	5.35E-03	3.11E-03	No
HP-52 H-Area Tank Farm	5-May-15	-1.24E-03	1.24E-03	No
HP-52 H-Area Tank Farm	2-Jun-15	-1.12E-03	1.15E-03	No
HP-52 H-Area Tank Farm	7-Jul-15	6.30E-04	2.29E-03	No
HP-52 H-Area Tank Farm	4-Aug-15	0.00E+00	2.15E-03	No
HP-52 H-Area Tank Farm	9-Sep-15	1.05E-03	2.69E-03	No
HP-52 H-Area Tank Farm	6-Oct-15	5.57E-04	1.96E-03	No
HP-52 H-Area Tank Farm	3-Nov-15	6.65E-03	3.35E-03	No
HP-52 H-Area Tank Farm	8-Dec-15	3.73E-03	3.13E-03	No
HP-52 H-Area Tank Farm	5-Jan-16	5.78E-03	3.38E-03	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Tc-99		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
F-012 281-8F Retention Basin	28-Jan-15	2.06E+00	7.66E-01	Yes
F-012 281-8F Retention Basin	5-Mar-15	-4.14E-01	7.63E-01	No
F-012 281-8F Retention Basin	19-Apr-15	3.32E-01	7.73E-01	No
F-012 281-8F Retention Basin	3-Jun-15	1.73E+00	7.75E-01	No
F-012 281-8F Retention Basin	18-Jul-15	-8.59E-01	7.63E-01	No
F-012 281-8F Retention Basin	25-Aug-15	1.11E+00	8.06E-01	No
F-012 281-8F Retention Basin	13-Oct-15	2.49E+00	7.53E-01	Yes
F-012 281-8F Retention Basin	11-Nov-15	1.21E+00	7.52E-01	No
F-013 200-F Cooling Basin	24-Jun-15	1.80E+00	7.75E-01	No
F-013 200-F Cooling Basin	26-Aug-15	2.53E+00	7.40E-01	Yes
F-013 200-F Cooling Basin	4-Oct-15	1.26E+00	7.44E-01	No
F-013 200-F Cooling Basin	16-Dec-15	1.32E+00	6.04E-01	No
F-05	2-Feb-15	2.56E+00	8.07E-01	Yes
F-05	2-Mar-15	1.59E-01	7.96E-01	No
F-05	6-Apr-15	2.38E-01	7.84E-01	No
F-05	4-May-15	1.28E+00	7.55E-01	No
F-05	6-Jul-15	1.54E+00	8.09E-01	No
F-05	3-Aug-15	1.45E+00	7.58E-01	No
F-05	8-Sep-15	8.16E-01	7.89E-01	No
F-05	5-Oct-15	4.70E+00	9.59E-01	Yes
F-05	2-Nov-15	2.06E+00	8.01E-01	No
F-05	7-Dec-15	5.81E+00	8.19E-01	Yes
F-05	4-Jan-16	3.59E+00	8.92E-01	Yes
FM-3 F-Area Effluent	2-Feb-15	5.76E+00	4.48E-01	Yes
FM-3 F-Area Effluent	2-Mar-15	4.00E+00	8.18E-01	Yes
FM-3 F-Area Effluent	6-Apr-15	8.41E-01	7.94E-01	No
FM-3 F-Area Effluent	4-May-15	1.35E+00	7.52E-01	No
FM-3 F-Area Effluent	1-Jun-15	1.25E+00	7.75E-01	No
FM-3 F-Area Effluent	6-Jul-15	-8.30E-01	7.41E-01	No
FM-3 F-Area Effluent	3-Aug-15	9.65E-01	7.49E-01	No
FM-3 F-Area Effluent	8-Sep-15	2.35E+00	5.32E-01	Yes
FM-3 F-Area Effluent	5-Oct-15	2.04E+00	7.50E-01	Yes
FM-3 F-Area Effluent	2-Nov-15	1.38E-01	7.67E-01	No
FM-3 F-Area Effluent	7-Dec-15	3.30E+00	8.55E-01	Yes
FM-3 F-Area Effluent	4-Jan-16	3.22E+00	8.06E-01	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Tc-99		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
H-017 281-8H Retention Basin	6-Jan-15	8.24E-02	7.59E-01	No
H-017 281-8H Retention Basin	13-Feb-15	3.73E+00	8.67E-01	Yes
H-017 281-8H Retention Basin	28-Feb-15	2.02E+00	7.94E-01	No
H-017 281-8H Retention Basin	27-Mar-15	1.81E+00	8.36E-01	No
H-017 281-8H Retention Basin	18-Apr-15	8.35E-01	7.82E-01	No
H-017 281-8H Retention Basin	29-Apr-15	1.26E+00	7.42E-01	No
H-017 281-8H Retention Basin	30-May-15	1.72E+00	7.81E-01	No
H-017 281-8H Retention Basin	6-Jun-15	6.57E+00	8.36E-01	Yes
H-017 281-8H Retention Basin	25-Jun-15	8.30E-01	7.60E-01	No
H-017 281-8H Retention Basin	10-Jul-15	-3.73E-01	7.68E-01	No
H-017 281-8H Retention Basin	21-Jul-15	2.76E-01	7.76E-01	No
H-017 281-8H Retention Basin	1-Aug-15	1.65E+00	7.64E-01	No
H-017 281-8H Retention Basin	23-Aug-15	7.22E-01	7.82E-01	No
H-017 281-8H Retention Basin	10-Sep-15	1.52E+00	7.29E-01	No
H-017 281-8H Retention Basin	28-Sep-15	1.70E+00	7.27E-01	No
H-017 281-8H Retention Basin	7-Oct-15	2.04E+00	7.88E-01	No
H-017 281-8H Retention Basin	14-Oct-15	4.70E+00	7.91E-01	Yes
H-017 281-8H Retention Basin	6-Nov-15	3.24E+00	8.15E-01	Yes
H-017 281-8H Retention Basin	25-Nov-15	1.32E+00	7.77E-01	No
H-017 281-8H Retention Basin	18-Dec-15	2.00E+00	7.51E-01	No
H-017 281-8H Retention Basin	1-Jan-16	3.16E+00	7.84E-01	Yes
TB-2 Outfall at Road 1A	2-Feb-15	1.92E+00	7.61E-01	No
TB-2 Outfall at Road 1A	2-Mar-15	6.03E-01	7.76E-01	No
TB-2 Outfall at Road 1A	6-Apr-15	-4.86E-01	7.69E-01	No
TB-2 Outfall at Road 1A	4-May-15	1.94E+00	7.52E-01	No
TB-2 Outfall at Road 1A	1-Jun-15	-7.76E-01	7.43E-01	No
TB-2 Outfall at Road 1A	6-Jul-15	-5.43E-01	7.38E-01	No
TB-2 Outfall at Road 1A	3-Aug-15	1.34E+00	7.59E-01	No
TB-2 Outfall at Road 1A	8-Sep-15	7.24E-01	7.93E-01	No
TB-2 Outfall at Road 1A	5-Oct-15	1.64E+00	7.99E-01	No
TB-2 Outfall at Road 1A	2-Nov-15	4.41E-01	7.72E-01	No
TB-2 Outfall at Road 1A	7-Dec-15	1.54E+00	7.62E-01	No
TB-2 Outfall at Road 1A	4-Jan-16	1.46E+00	7.66E-01	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Gross Beta		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
F-012 281-8F Retention Basin	28-Jan-15	8.78E+00	1.53E+00	Yes
F-012 281-8F Retention Basin	5-Mar-15	5.95E+00	1.35E+00	Yes
F-012 281-8F Retention Basin	19-Apr-15	4.35E+00	1.20E+00	Yes
F-012 281-8F Retention Basin	3-Jun-15	9.35E+00	1.55E+00	Yes
F-012 281-8F Retention Basin	18-Jul-15	1.31E+01	1.78E+00	Yes
F-012 281-8F Retention Basin	25-Aug-15	9.84E+00	1.60E+00	Yes
F-012 281-8F Retention Basin	13-Oct-15	1.04E+01	1.65E+00	Yes
F-012 281-8F Retention Basin	11-Nov-15	1.26E+01	1.77E+00	Yes
F-013 200-F Cooling Basin	24-Jun-15	5.43E+00	9.56E-01	Yes
F-013 200-F Cooling Basin	26-Aug-15	3.24E+00	1.16E+00	Yes
F-013 200-F Cooling Basin	4-Oct-15	5.11E+00	1.33E+00	Yes
F-013 200-F Cooling Basin	16-Dec-15	3.86E+00	1.23E+00	Yes
F-05	2-Feb-15	1.38E+01	1.22E+00	Yes
F-05	2-Mar-15	9.65E+00	1.04E+00	Yes
F-05	6-Apr-15	1.04E+01	1.07E+00	Yes
F-05	4-May-15	3.32E+00	3.99E-01	Yes
F-05	6-Jul-15	4.24E+00	5.47E-01	Yes
F-05	3-Aug-15	3.24E+01	1.83E+00	Yes
F-05	8-Sep-15	7.03E+00	9.17E-01	Yes
F-05	5-Oct-15	3.24E+00	7.05E-01	Yes
F-05	2-Nov-15	2.66E+01	1.66E+00	Yes
F-05	7-Dec-15	2.61E+00	7.05E-01	Yes
F-05	4-Jan-16	3.16E+00	8.13E-01	Yes
FM-1C H-Area Effluent	2-Feb-15	4.54E+00	8.23E-01	Yes
FM-1C H-Area Effluent	2-Mar-15	4.84E+00	5.71E-01	Yes
FM-1C H-Area Effluent	6-Apr-15	6.41E+00	8.84E-01	Yes
FM-1C H-Area Effluent	4-May-15	6.22E+00	8.76E-01	Yes
FM-1C H-Area Effluent	1-Jun-15	3.51E+00	7.06E-01	Yes
FM-1C H-Area Effluent	6-Jul-15	6.76E+00	6.49E-01	Yes
FM-1C H-Area Effluent	3-Aug-15	3.46E+00	7.15E-01	Yes
FM-1C H-Area Effluent	8-Sep-15	2.66E+00	7.23E-01	Yes
FM-1C H-Area Effluent	5-Oct-15	3.62E+00	7.36E-01	Yes
FM-1C H-Area Effluent	2-Nov-15	4.16E+00	7.66E-01	Yes
FM-1C H-Area Effluent	7-Dec-15	2.73E+00	6.94E-01	Yes
FM-1C H-Area Effluent	4-Jan-16	2.89E+00	7.23E-01	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Gross Beta		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-3 F-Area Effluent	2-Feb-15	3.11E+00	6.92E-01	Yes
FM-3 F-Area Effluent	2-Mar-15	3.65E+00	7.28E-01	Yes
FM-3 F-Area Effluent	6-Apr-15	3.00E+00	6.96E-01	Yes
FM-3 F-Area Effluent	4-May-15	3.08E+00	3.93E-01	Yes
FM-3 F-Area Effluent	1-Jun-15	1.12E+01	1.13E+00	Yes
FM-3 F-Area Effluent	6-Jul-15	3.49E+00	5.17E-01	Yes
FM-3 F-Area Effluent	3-Aug-15	3.81E+00	7.88E-01	Yes
FM-3 F-Area Effluent	8-Sep-15	4.41E+00	7.78E-01	Yes
FM-3 F-Area Effluent	5-Oct-15	3.59E+00	7.36E-01	Yes
FM-3 F-Area Effluent	2-Nov-15	2.62E+00	6.56E-01	Yes
FM-3 F-Area Effluent	7-Dec-15	1.61E+00	6.12E-01	No
FM-3 F-Area Effluent	4-Jan-16	1.17E+01	1.16E+00	Yes
H-004	2-Feb-15	2.19E+00	1.06E+00	No
H-004	2-Mar-15	2.78E+00	1.11E+00	No
H-004	6-Apr-15	3.92E+00	1.18E+00	Yes
H-004	4-May-15	3.03E+00	6.57E-01	Yes
H-004	1-Jun-15	3.57E+00	1.15E+00	Yes
H-004	6-Jul-15	3.89E+00	1.20E+00	Yes
H-004	3-Aug-15	5.19E+00	1.37E+00	Yes
H-004	8-Sep-15	2.13E+00	1.04E+00	No
H-004	5-Oct-15	2.78E+00	1.14E+00	No
H-004	2-Nov-15	1.81E+00	1.03E+00	No
H-004	7-Dec-15	2.22E+00	4.20E-01	Yes
H-004	4-Jan-16	4.22E+00	8.92E-01	Yes
H-017 281-8H Retention Basin	6-Jan-15	2.81E+01	1.20E+00	Yes
H-017 281-8H Retention Basin	13-Feb-15	1.73E+01	9.63E-01	Yes
H-017 281-8H Retention Basin	28-Feb-15	1.77E+01	6.74E-01	Yes
H-017 281-8H Retention Basin	27-Mar-15	3.00E+01	1.23E+00	Yes
H-017 281-8H Retention Basin	18-Apr-15	3.59E+01	1.34E+00	Yes
H-017 281-8H Retention Basin	29-Apr-15	3.00E+01	6.54E-01	Yes
H-017 281-8H Retention Basin	30-May-15	3.46E+01	1.31E+00	Yes
H-017 281-8H Retention Basin	6-Jun-15	3.49E+01	1.32E+00	Yes
H-017 281-8H Retention Basin	25-Jun-15	6.27E+01	1.24E+00	Yes
H-017 281-8H Retention Basin	10-Jul-15	5.16E+01	1.60E+00	Yes
H-017 281-8H Retention Basin	21-Jul-15	5.14E+01	1.59E+00	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Gross Beta		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
H-017 281-8H Retention Basin	1-Aug-15	3.57E+01	1.34E+00	Yes
H-017 281-8H Retention Basin	23-Aug-15	7.84E+01	2.77E+00	Yes
H-017 281-8H Retention Basin	10-Sep-15	2.92E+01	1.21E+00	Yes
H-017 281-8H Retention Basin	28-Sep-15	2.63E+01	1.16E+00	Yes
H-017 281-8H Retention Basin	7-Oct-15	2.92E+01	1.20E+00	Yes
H-017 281-8H Retention Basin	14-Oct-15	2.78E+01	1.17E+00	Yes
H-017 281-8H Retention Basin	6-Nov-15	2.65E+01	1.16E+00	Yes
H-017 281-8H Retention Basin	25-Nov-15	3.24E+01	1.28E+00	Yes
H-017 281-8H Retention Basin	18-Dec-15	2.41E+01	1.10E+00	Yes
H-017 281-8H Retention Basin	1-Jan-16	2.58E+01	8.01E-01	Yes
HP-15 Tritium Facility Outfall	2-Feb-15	1.30E+00	5.50E-01	No
HP-15 Tritium Facility Outfall	2-Mar-15	9.30E-01	5.16E-01	No
HP-15 Tritium Facility Outfall	6-Apr-15	7.54E-01	4.78E-01	No
HP-15 Tritium Facility Outfall	4-May-15	1.33E+00	5.34E-01	No
HP-15 Tritium Facility Outfall	1-Jun-15	1.81E+00	5.84E-01	Yes
HP-15 Tritium Facility Outfall	6-Jul-15	1.29E+00	4.05E-01	Yes
HP-15 Tritium Facility Outfall	3-Aug-15	6.14E-01	5.14E-01	No
HP-15 Tritium Facility Outfall	8-Sep-15	6.97E-01	4.91E-01	No
HP-15 Tritium Facility Outfall	5-Oct-15	-5.32E-02	4.42E-01	No
HP-15 Tritium Facility Outfall	2-Nov-15	1.11E+00	5.37E-01	No
HP-15 Tritium Facility Outfall	7-Dec-15	1.82E+00	6.23E-01	Yes
HP-15 Tritium Facility Outfall	4-Jan-16	7.57E-01	5.55E-01	No
K Canal	2-Feb-15	1.57E+00	5.73E-01	No
K Canal	2-Mar-15	3.46E+00	7.11E-01	Yes
K Canal	6-Apr-15	2.48E+00	6.30E-01	Yes
K Canal	4-May-15	1.95E+00	3.48E-01	Yes
K Canal	1-Jun-15	2.21E+00	6.09E-01	Yes
K Canal	6-Jul-15	2.08E+00	6.09E-01	Yes
K Canal	3-Aug-15	2.84E+00	6.99E-01	Yes
K Canal	8-Sep-15	1.77E+00	5.86E-01	Yes
K Canal	5-Oct-15	2.89E+00	6.87E-01	Yes
K Canal	2-Nov-15	2.76E+00	6.67E-01	Yes
K Canal	7-Dec-15	2.30E+00	6.61E-01	Yes
K Canal	4-Jan-16	1.05E+00	5.53E-01	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Gross Beta		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
L-07	2-Feb-15	1.86E+00	3.67E-01	Yes
L-07	2-Mar-15	1.50E+00	2.43E-01	Yes
L-07	6-Apr-15	2.00E+00	3.74E-01	Yes
L-07	4-May-15	1.10E+00	3.07E-01	Yes
L-07	1-Jun-15	2.22E+00	3.86E-01	Yes
L-07	6-Jul-15	1.48E+00	3.41E-01	Yes
L-07	3-Aug-15	2.35E+00	3.99E-01	Yes
L-07	8-Sep-15	2.14E+00	4.00E-01	Yes
L-07	5-Oct-15	2.43E+00	4.08E-01	Yes
L-07	2-Nov-15	3.00E+00	4.39E-01	Yes
L-07	7-Dec-15	2.45E+00	4.17E-01	Yes
L-07	4-Jan-16	1.62E+00	2.51E-01	Yes
S-004	2-Feb-15	2.17E+01	2.22E+00	Yes
S-004	2-Mar-15	3.65E+01	2.81E+00	Yes
S-004	6-Apr-15	3.35E+01	3.09E+00	Yes
S-004	4-May-15	1.97E+01	1.82E+00	Yes
S-004	3-Aug-15	1.08E+01	1.75E+00	Yes
S-004	8-Sep-15	1.12E+01	1.73E+00	Yes
S-004	5-Oct-15	1.18E+01	1.76E+00	Yes
S-004	2-Nov-15	6.30E+00	1.41E+00	Yes
S-004	7-Dec-15	1.10E+01	1.72E+00	Yes
S-004	4-Jan-16	1.42E+01	1.34E+00	Yes
TB-2 Outfall at Road 1A	2-Feb-15	1.38E+00	3.34E-01	Yes
TB-2 Outfall at Road 1A	2-Mar-15	2.28E+00	2.82E-01	Yes
TB-2 Outfall at Road 1A	6-Apr-15	6.84E-01	2.80E-01	No
TB-2 Outfall at Road 1A	4-May-15	9.11E-01	2.95E-01	Yes
TB-2 Outfall at Road 1A	1-Jun-15	3.35E+00	4.55E-01	Yes
TB-2 Outfall at Road 1A	6-Jul-15	2.23E+00	3.94E-01	Yes
TB-2 Outfall at Road 1A	3-Aug-15	9.65E-01	3.01E-01	Yes
TB-2 Outfall at Road 1A	8-Sep-15	4.11E-01	2.89E-01	No
TB-2 Outfall at Road 1A	5-Oct-15	2.78E+00	4.32E-01	Yes
TB-2 Outfall at Road 1A	2-Nov-15	1.26E+00	3.29E-01	Yes
TB-2 Outfall at Road 1A	7-Dec-15	1.08E+00	3.51E-01	Yes
TB-2 Outfall at Road 1A	4-Jan-16	1.91E+00	2.69E-01	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Gross Beta		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	5-Jan-15	-1.19E-02	2.33E-01	No
U3R-2A ETP Outfall at Road C	12-Jan-15	3.73E-01	2.70E-01	No
U3R-2A ETP Outfall at Road C	20-Jan-15	4.92E-01	2.77E-01	No
U3R-2A ETP Outfall at Road C	26-Jan-15	2.49E-01	2.55E-01	No
U3R-2A ETP Outfall at Road C	2-Feb-15	4.35E-02	2.16E-01	No
U3R-2A ETP Outfall at Road C	9-Feb-15	6.32E-02	2.43E-01	No
U3R-2A ETP Outfall at Road C	17-Feb-15	4.14E-01	2.68E-01	No
U3R-2A ETP Outfall at Road C	23-Feb-15	3.19E-01	2.60E-01	No
U3R-2A ETP Outfall at Road C	2-Mar-15	4.86E-01	1.83E-01	No
U3R-2A ETP Outfall at Road C	9-Mar-15	2.92E-01	1.70E-01	No
U3R-2A ETP Outfall at Road C	16-Mar-15	6.03E-01	2.65E-01	No
U3R-2A ETP Outfall at Road C	23-Mar-15	1.54E+00	3.42E-01	Yes
U3R-2A ETP Outfall at Road C	6-Apr-15	6.27E-01	2.66E-01	No
U3R-2A ETP Outfall at Road C	13-Apr-15	7.76E-01	2.80E-01	Yes
U3R-2A ETP Outfall at Road C	20-Apr-15	6.86E-01	2.74E-01	No
U3R-2A ETP Outfall at Road C	27-Apr-15	1.92E-01	1.43E-01	No
U3R-2A ETP Outfall at Road C	4-May-15	2.21E-01	1.44E-01	No
U3R-2A ETP Outfall at Road C	11-May-15	1.88E-01	2.22E-01	No
U3R-2A ETP Outfall at Road C	26-May-15	5.30E-01	2.59E-01	No
U3R-2A ETP Outfall at Road C	1-Jun-15	1.77E-01	2.23E-01	No
U3R-2A ETP Outfall at Road C	8-Jun-15	8.11E-01	2.85E-01	Yes
U3R-2A ETP Outfall at Road C	15-Jun-15	6.62E-01	2.69E-01	No
U3R-2A ETP Outfall at Road C	22-Jun-15	1.25E-01	1.67E-01	No
U3R-2A ETP Outfall at Road C	29-Jun-15	8.38E-01	2.13E-01	Yes
U3R-2A ETP Outfall at Road C	6-Jul-15	2.40E-01	1.77E-01	No
U3R-2A ETP Outfall at Road C	13-Jul-15	7.03E-01	2.77E-01	No
U3R-2A ETP Outfall at Road C	20-Jul-15	3.32E+01	1.31E+00	Yes
U3R-2A ETP Outfall at Road C	27-Jul-15	1.27E+01	8.25E-01	Yes
U3R-2A ETP Outfall at Road C	3-Aug-15	4.46E+00	5.16E-01	Yes
U3R-2A ETP Outfall at Road C	17-Aug-15	2.76E+00	4.26E-01	Yes
U3R-2A ETP Outfall at Road C	31-Aug-15	7.11E-01	2.80E-01	No
U3R-2A ETP Outfall at Road C	8-Sep-15	1.75E+00	3.62E-01	Yes
U3R-2A ETP Outfall at Road C	21-Sep-15	-1.67E-02	2.22E-01	No
U3R-2A ETP Outfall at Road C	28-Sep-15	4.30E-01	2.73E-01	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Gross Beta		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	12-Oct-15	5.59E+01	1.66E+00	Yes
U3R-2A ETP Outfall at Road C	19-Oct-15	6.57E+01	1.79E+00	Yes
U3R-2A ETP Outfall at Road C	26-Oct-15	1.30E+02	2.54E+00	Yes
U3R-2A ETP Outfall at Road C	2-Nov-15	1.21E+02	2.46E+00	Yes
U3R-2A ETP Outfall at Road C	9-Nov-15	1.76E+02	2.96E+00	Yes
U3R-2A ETP Outfall at Road C	16-Nov-15	1.72E+02	2.94E+00	Yes
U3R-2A ETP Outfall at Road C	7-Dec-15	1.31E+02	2.55E+00	Yes
U3R-2A ETP Outfall at Road C	14-Dec-15	1.35E+02	2.56E+00	Yes
U3R-2A ETP Outfall at Road C	28-Dec-15	1.49E+02	2.69E+00	Yes
U3R-2A ETP Outfall at Road C	4-Jan-16	1.25E+02	2.49E+00	Yes
HP-52 H-Area Tank Farm	3-Feb-15	4.57E+00	5.59E-01	Yes
HP-52 H-Area Tank Farm	3-Mar-15	5.81E+00	4.07E-01	Yes
HP-52 H-Area Tank Farm	7-Apr-15	7.92E+00	6.59E-01	Yes
HP-52 H-Area Tank Farm	5-May-15	7.68E+00	3.52E-01	Yes
HP-52 H-Area Tank Farm	2-Jun-15	8.14E+00	6.64E-01	Yes
HP-52 H-Area Tank Farm	7-Jul-15	4.97E+00	2.91E-01	Yes
HP-52 H-Area Tank Farm	4-Aug-15	6.19E+00	5.90E-01	Yes
HP-52 H-Area Tank Farm	9-Sep-15	4.65E+00	5.33E-01	Yes
HP-52 H-Area Tank Farm	6-Oct-15	4.95E+00	2.94E-01	Yes
HP-52 H-Area Tank Farm	3-Nov-15	5.35E+00	3.06E-01	Yes
HP-52 H-Area Tank Farm	8-Dec-15	5.73E+00	3.14E-01	Yes
HP-52 H-Area Tank Farm	5-Jan-16	4.46E+00	2.80E-01	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Gross Alpha		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
F-012 281-8F Retention Basin	28-Jan-15	-2.60E-01	1.33E-01	No
F-012 281-8F Retention Basin	5-Mar-15	4.32E-02	3.29E-01	No
F-012 281-8F Retention Basin	19-Apr-15	-2.03E-01	1.53E-01	No
F-012 281-8F Retention Basin	3-Jun-15	-2.09E-01	1.55E-01	No
F-012 281-8F Retention Basin	18-Jul-15	1.37E+00	7.42E-01	No
F-012 281-8F Retention Basin	25-Aug-15	7.22E-02	3.43E-01	No
F-012 281-8F Retention Basin	13-Oct-15	3.19E-01	4.63E-01	No
F-012 281-8F Retention Basin	11-Nov-15	-2.32E-01	1.44E-01	No
F-013 200-F Cooling Basin	24-Jun-15	7.24E-01	4.29E-01	No
F-013 200-F Cooling Basin	26-Aug-15	1.08E+00	6.87E-01	No
F-013 200-F Cooling Basin	4-Oct-15	1.98E+00	8.84E-01	Yes
F-013 200-F Cooling Basin	16-Dec-15	9.81E-01	6.68E-01	No
F-05	2-Feb-15	6.76E-01	3.73E-01	No
F-05	2-Mar-15	1.78E-01	2.33E-01	No
F-05	6-Apr-15	2.22E-01	2.52E-01	No
F-05	4-May-15	1.85E+00	3.02E-01	Yes
F-05	6-Jul-15	3.46E-01	2.04E-01	No
F-05	3-Aug-15	1.29E+00	5.06E-01	Yes
F-05	8-Sep-15	3.62E-01	2.94E-01	No
F-05	5-Oct-15	7.11E-03	1.75E-01	No
F-05	2-Nov-15	5.43E-01	3.51E-01	No
F-05	7-Dec-15	1.09E+00	4.66E-01	Yes
F-05	4-Jan-16	4.57E+00	8.92E-01	Yes
FM-1C H-Area Effluent	2-Feb-15	9.19E-01	4.49E-01	No
FM-1C H-Area Effluent	2-Mar-15	1.99E+00	4.45E-01	Yes
FM-1C H-Area Effluent	6-Apr-15	2.09E+00	6.16E-01	Yes
FM-1C H-Area Effluent	4-May-15	2.64E+00	6.92E-01	Yes
FM-1C H-Area Effluent	1-Jun-15	9.32E-01	4.36E-01	No
FM-1C H-Area Effluent	6-Jul-15	8.73E-01	3.01E-01	Yes
FM-1C H-Area Effluent	3-Aug-15	1.29E+00	5.14E-01	Yes
FM-1C H-Area Effluent	8-Sep-15	2.02E+00	6.38E-01	Yes
FM-1C H-Area Effluent	5-Oct-15	8.46E-01	4.20E-01	No
FM-1C H-Area Effluent	2-Nov-15	1.64E+00	5.64E-01	Yes
FM-1C H-Area Effluent	7-Dec-15	2.26E-01	2.60E-01	No
FM-1C H-Area Effluent	4-Jan-16	1.29E+00	5.16E-01	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Gross Alpha		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-3 F-Area Effluent	2-Feb-15	1.69E+00	5.57E-01	Yes
FM-3 F-Area Effluent	2-Mar-15	1.80E+00	5.65E-01	Yes
FM-3 F-Area Effluent	6-Apr-15	1.98E+00	7.73E-01	Yes
FM-3 F-Area Effluent	4-May-15	1.75E+00	3.06E-01	Yes
FM-3 F-Area Effluent	1-Jun-15	6.49E+00	1.07E+00	Yes
FM-3 F-Area Effluent	6-Jul-15	1.63E+00	3.81E-01	Yes
FM-3 F-Area Effluent	3-Aug-15	1.65E+00	5.50E-01	Yes
FM-3 F-Area Effluent	8-Sep-15	1.83E+00	5.99E-01	Yes
FM-3 F-Area Effluent	5-Oct-15	1.02E+00	4.55E-01	Yes
FM-3 F-Area Effluent	2-Nov-15	1.05E+00	4.47E-01	Yes
FM-3 F-Area Effluent	7-Dec-15	3.68E-01	2.85E-01	No
FM-3 F-Area Effluent	4-Jan-16	4.97E-01	3.29E-01	No
H-004	2-Feb-15	7.08E-01	5.89E-01	No
H-004	2-Mar-15	3.73E-01	4.83E-01	No
H-004	6-Apr-15	1.12E+00	6.85E-01	No
H-004	4-May-15	4.89E-01	2.78E-01	No
H-004	1-Jun-15	8.08E-01	6.18E-01	No
H-004	6-Jul-15	7.70E-01	6.18E-01	No
H-004	3-Aug-15	1.05E+00	7.10E-01	No
H-004	8-Sep-15	1.08E+00	6.84E-01	No
H-004	5-Oct-15	1.61E-02	3.72E-01	No
H-004	2-Nov-15	1.41E+00	7.49E-01	No
H-004	7-Dec-15	1.69E+00	3.31E-01	Yes
H-004	4-Jan-16	1.86E+00	5.87E-01	Yes
H-017 281-8H Retention Basin	6-Jan-15	1.18E+00	3.39E-01	Yes
H-017 281-8H Retention Basin	13-Feb-15	2.28E+00	4.80E-01	Yes
H-017 281-8H Retention Basin	28-Feb-15	8.38E-01	2.11E-01	Yes
H-017 281-8H Retention Basin	27-Mar-15	8.68E-01	3.05E-01	Yes
H-017 281-8H Retention Basin	18-Apr-15	4.65E-01	2.29E-01	No
H-017 281-8H Retention Basin	29-Apr-15	3.92E-01	1.10E-01	Yes
H-017 281-8H Retention Basin	30-May-15	4.65E-01	2.28E-01	No
H-017 281-8H Retention Basin	6-Jun-15	5.49E-01	2.43E-01	Yes
H-017 281-8H Retention Basin	25-Jun-15	6.68E-01	1.95E-01	Yes
H-017 281-8H Retention Basin	10-Jul-15	4.41E-01	2.28E-01	No
H-017 281-8H Retention Basin	21-Jul-15	8.08E-01	2.94E-01	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Gross Alpha		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
H-017 281-8H Retention Basin	1-Aug-15	3.62E-01	2.09E-01	No
H-017 281-8H Retention Basin	23-Aug-15	7.24E-01	4.04E-01	No
H-017 281-8H Retention Basin	10-Sep-15	3.59E-01	2.17E-01	No
H-017 281-8H Retention Basin	28-Sep-15	7.05E-01	2.73E-01	Yes
H-017 281-8H Retention Basin	7-Oct-15	4.14E-01	2.10E-01	No
H-017 281-8H Retention Basin	14-Oct-15	6.70E-01	2.57E-01	Yes
H-017 281-8H Retention Basin	6-Nov-15	7.16E-01	2.69E-01	Yes
H-017 281-8H Retention Basin	25-Nov-15	1.65E+00	4.07E-01	Yes
H-017 281-8H Retention Basin	18-Dec-15	6.03E-01	2.73E-01	No
H-017 281-8H Retention Basin	1-Jan-16	8.59E-01	2.04E-01	Yes
HP-15 Tritium Facility Outfall	2-Feb-15	2.00E-01	2.58E-01	No
HP-15 Tritium Facility Outfall	2-Mar-15	2.57E-02	1.91E-01	No
HP-15 Tritium Facility Outfall	6-Apr-15	-1.14E-01	8.63E-02	No
HP-15 Tritium Facility Outfall	4-May-15	6.35E-02	1.98E-01	No
HP-15 Tritium Facility Outfall	1-Jun-15	4.78E-01	3.66E-01	No
HP-15 Tritium Facility Outfall	6-Jul-15	4.49E-02	1.62E-01	No
HP-15 Tritium Facility Outfall	3-Aug-15	1.15E-02	2.07E-01	No
HP-15 Tritium Facility Outfall	8-Sep-15	4.27E-01	3.42E-01	No
HP-15 Tritium Facility Outfall	5-Oct-15	5.49E-01	3.73E-01	No
HP-15 Tritium Facility Outfall	2-Nov-15	7.86E-01	4.20E-01	No
HP-15 Tritium Facility Outfall	7-Dec-15	4.84E-02	1.90E-01	No
HP-15 Tritium Facility Outfall	4-Jan-16	9.62E-01	4.59E-01	No
K Canal	2-Feb-15	3.68E-01	3.06E-01	No
K Canal	2-Mar-15	1.92E-01	2.49E-01	No
K Canal	6-Apr-15	2.41E-01	2.66E-01	No
K Canal	4-May-15	7.41E-02	1.18E-01	No
K Canal	1-Jun-15	-1.16E-01	8.76E-02	No
K Canal	6-Jul-15	-1.28E-01	1.05E-01	No
K Canal	3-Aug-15	3.73E-01	3.28E-01	No
K Canal	8-Sep-15	2.31E-01	2.77E-01	No
K Canal	5-Oct-15	1.81E-01	2.63E-01	No
K Canal	2-Nov-15	4.00E-01	3.15E-01	No
K Canal	7-Dec-15	4.89E-02	1.96E-01	No
K Canal	4-Jan-16	3.08E-02	1.85E-01	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Gross Alpha		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
L-07	2-Feb-15	1.36E-02	1.05E-01	No
L-07	2-Mar-15	3.14E-01	1.46E-01	No
L-07	6-Apr-15	6.11E-01	2.59E-01	Yes
L-07	4-May-15	2.29E-01	1.75E-01	No
L-07	1-Jun-15	2.27E-01	1.74E-01	No
L-07	6-Jul-15	1.25E-01	1.50E-01	No
L-07	3-Aug-15	4.24E-01	2.30E-01	No
L-07	8-Sep-15	3.03E-01	2.05E-01	No
L-07	5-Oct-15	4.24E-03	1.11E-01	No
L-07	2-Nov-15	4.24E-01	2.27E-01	No
L-07	7-Dec-15	1.22E-01	1.42E-01	No
L-07	4-Jan-16	-1.79E-02	5.15E-02	No
S-004	2-Feb-15	4.59E-01	6.01E-01	No
S-004	2-Mar-15	3.49E+00	1.30E+00	Yes
S-004	6-Apr-15	4.11E+00	1.76E+00	Yes
S-004	4-May-15	2.11E+00	8.26E-01	Yes
S-004	3-Aug-15	5.65E-01	8.19E-01	No
S-004	8-Sep-15	2.69E+00	1.29E+00	No
S-004	5-Oct-15	2.09E+00	1.04E+00	No
S-004	2-Nov-15	2.53E+00	1.08E+00	Yes
S-004	7-Dec-15	8.51E-02	3.84E-01	No
S-004	4-Jan-16	2.38E+00	7.51E-01	Yes
TB-2 Outfall at Road 1A	2-Feb-15	6.32E-01	2.54E-01	Yes
TB-2 Outfall at Road 1A	2-Mar-15	1.71E+00	2.86E-01	Yes
TB-2 Outfall at Road 1A	6-Apr-15	1.60E+00	4.07E-01	Yes
TB-2 Outfall at Road 1A	4-May-15	9.95E-01	3.22E-01	Yes
TB-2 Outfall at Road 1A	1-Jun-15	1.61E+00	3.96E-01	Yes
TB-2 Outfall at Road 1A	6-Jul-15	1.41E+00	3.74E-01	Yes
TB-2 Outfall at Road 1A	3-Aug-15	4.84E-01	2.31E-01	No
TB-2 Outfall at Road 1A	8-Sep-15	8.43E-01	2.97E-01	Yes
TB-2 Outfall at Road 1A	5-Oct-15	1.79E+00	4.13E-01	Yes
TB-2 Outfall at Road 1A	2-Nov-15	7.78E-01	2.85E-01	Yes
TB-2 Outfall at Road 1A	7-Dec-15	1.23E+00	3.49E-01	Yes
TB-2 Outfall at Road 1A	4-Jan-16	1.58E+00	2.70E-01	Yes

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Gross Alpha		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	5-Jan-15	1.05E-01	1.38E-01	No
U3R-2A ETP Outfall at Road C	12-Jan-15	1.00E-01	1.34E-01	No
U3R-2A ETP Outfall at Road C	20-Jan-15	8.05E-03	9.67E-02	No
U3R-2A ETP Outfall at Road C	26-Jan-15	8.43E-03	9.63E-02	No
U3R-2A ETP Outfall at Road C	2-Feb-15	-7.57E-02	3.89E-02	No
U3R-2A ETP Outfall at Road C	9-Feb-15	1.88E-01	1.58E-01	No
U3R-2A ETP Outfall at Road C	17-Feb-15	-8.24E-02	2.85E-02	No
U3R-2A ETP Outfall at Road C	23-Feb-15	-8.54E-02	2.95E-02	No
U3R-2A ETP Outfall at Road C	2-Mar-15	-2.89E-02	6.16E-02	No
U3R-2A ETP Outfall at Road C	9-Mar-15	-2.86E-02	6.12E-02	No
U3R-2A ETP Outfall at Road C	16-Mar-15	1.14E-01	1.43E-01	No
U3R-2A ETP Outfall at Road C	23-Mar-15	1.76E-02	1.11E-01	No
U3R-2A ETP Outfall at Road C	6-Apr-15	-6.43E-02	4.89E-02	No
U3R-2A ETP Outfall at Road C	13-Apr-15	-6.62E-02	5.02E-02	No
U3R-2A ETP Outfall at Road C	20-Apr-15	-7.51E-02	5.69E-02	No
U3R-2A ETP Outfall at Road C	27-Apr-15	4.43E-02	7.03E-02	No
U3R-2A ETP Outfall at Road C	4-May-15	1.49E-02	6.37E-02	No
U3R-2A ETP Outfall at Road C	11-May-15	-6.73E-02	5.13E-02	No
U3R-2A ETP Outfall at Road C	26-May-15	3.97E-02	1.23E-01	No
U3R-2A ETP Outfall at Road C	1-Jun-15	1.49E-01	1.64E-01	No
U3R-2A ETP Outfall at Road C	8-Jun-15	2.45E-01	1.87E-01	No
U3R-2A ETP Outfall at Road C	15-Jun-15	1.30E-01	1.43E-01	No
U3R-2A ETP Outfall at Road C	22-Jun-15	-6.70E-02	4.52E-02	No
U3R-2A ETP Outfall at Road C	29-Jun-15	-2.37E-02	6.55E-02	No
U3R-2A ETP Outfall at Road C	6-Jul-15	2.33E-02	8.34E-02	No
U3R-2A ETP Outfall at Road C	13-Jul-15	-6.68E-02	5.50E-02	No
U3R-2A ETP Outfall at Road C	20-Jul-15	3.97E-03	1.35E-01	No
U3R-2A ETP Outfall at Road C	27-Jul-15	3.08E-01	2.21E-01	No
U3R-2A ETP Outfall at Road C	3-Aug-15	8.78E-02	1.33E-01	No
U3R-2A ETP Outfall at Road C	17-Aug-15	4.62E-01	2.51E-01	No
U3R-2A ETP Outfall at Road C	31-Aug-15	-7.46E-02	6.15E-02	No
U3R-2A ETP Outfall at Road C	8-Sep-15	-7.95E-02	6.46E-02	No
U3R-2A ETP Outfall at Road C	21-Sep-15	1.00E-01	1.45E-01	No
U3R-2A ETP Outfall at Road C	28-Sep-15	2.67E-02	1.01E-01	No

Table 26 Radionuclides in Liquid Effluent Samples (continued)

Location	Sample Date	Gross Alpha		
		Results (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2A ETP Outfall at Road C	12-Oct-15	-1.36E-02	1.22E-01	No
U3R-2A ETP Outfall at Road C	19-Oct-15	8.43E-02	1.53E-01	No
U3R-2A ETP Outfall at Road C	26-Oct-15	2.92E-01	2.31E-01	No
U3R-2A ETP Outfall at Road C	2-Nov-15	2.48E-01	2.17E-01	No
U3R-2A ETP Outfall at Road C	9-Nov-15	1.93E-01	2.08E-01	No
U3R-2A ETP Outfall at Road C	16-Nov-15	-6.14E-03	1.55E-01	No
U3R-2A ETP Outfall at Road C	7-Dec-15	7.00E-01	3.21E-01	No
U3R-2A ETP Outfall at Road C	14-Dec-15	5.76E-02	1.43E-01	No
U3R-2A ETP Outfall at Road C	28-Dec-15	-4.08E-02	1.08E-01	No
U3R-2A ETP Outfall at Road C	4-Jan-16	-1.07E-01	1.51E-01	No
HP-52 H-Area Tank Farm	3-Feb-15	2.49E+00	4.80E-01	Yes
HP-52 H-Area Tank Farm	3-Mar-15	1.36E+00	2.68E-01	Yes
HP-52 H-Area Tank Farm	7-Apr-15	2.06E+00	4.67E-01	Yes
HP-52 H-Area Tank Farm	5-May-15	1.61E+00	2.23E-01	Yes
HP-52 H-Area Tank Farm	2-Jun-15	1.64E+00	4.04E-01	Yes
HP-52 H-Area Tank Farm	7-Jul-15	3.92E-01	1.18E-01	Yes
HP-52 H-Area Tank Farm	4-Aug-15	1.58E+00	3.92E-01	Yes
HP-52 H-Area Tank Farm	9-Sep-15	6.38E-01	2.62E-01	Yes
HP-52 H-Area Tank Farm	6-Oct-15	5.97E-01	1.36E-01	Yes
HP-52 H-Area Tank Farm	3-Nov-15	7.49E-01	1.57E-01	Yes
HP-52 H-Area Tank Farm	8-Dec-15	8.49E-01	1.64E-01	Yes
HP-52 H-Area Tank Farm	5-Jan-16	1.33E+00	1.91E-01	Yes

Table 27 Radioactive Liquid Releases by Source

Units are in curies.

Radionuclide	Half-Life	Reactor Areas C,K,L,P,R	Separations Areas F,H,S,Z, Tritium	SRNL Area A	Totals	Percentage of Sum
H-3 ^a	12.35 y	2.39E+02	4.98E+02	1.23E-02	7.37E+02	99.96%
C-14	5730 y		2.56E-03	2.04E-03	4.60E-03	0.00%
Sr-90	29.12 y	0.00E+00	2.43E-02		2.43E-02	0.00%
Tc-99	2.13E+05 y		1.30E-02	0.00E+00	1.30E-02	0.00%
I-129	1.57E+07 y		1.44E-02	0.00E+00	1.44E-02	0.00%
Cs-137 ^b	30.0 y	0.00E+00	1.08E-02	0.00E+00	1.08E-02	0.00%
U-234	2.45E+05 y		6.77E-02	3.88E-05	6.77E-02	0.01%
U-235	7.04E+08 y		2.50E-03	1.23E-06	2.50E-03	0.00%
U-238	4.47E+09 y		7.55E-02	2.64E-05	7.55E-02	0.01%
Np-237	2.14E+06 y		3.21E-07		3.21E-07	0.00%
Pu-238	87.74 y		5.11E-04	2.03E-06	5.13E-04	0.00%
Pu-239	2.41E+04 y		1.10E-04	0.00E+00	1.10E-04	0.00%
Am-241	432.2 y		1.79E-04		1.79E-04	0.00%
Cm-244	18.11 y		1.21E-04		1.21E-04	0.00%
Alpha ^c	N/A	6.41E-03	1.79E-03	3.92E-04	8.60E-03	0.00%
Beta- Gamma ^d	N/A	8.81E-02	6.63E-03	5.61E-04	9.53E-02	0.01%
				Sum	7.37E+02	100.00%

- a. The tritium release total, which includes direct + migration releases, is used in the dose calculations for SRS impacts.
- b. Depending on which value is higher, the Cs-137 release total is based on concentrations measured in River Mile 118.8 fish or on the actual measured effluent release total from the site. Refer to chapter 6 (Dose Assessment) of the 2015 Annual Site Environmental Report for more information.
- c,d. For dose calculations, unidentified alpha and beta/gamma releases are assumed to be Pu-239 and Sr-90, respectively.

Table 28 Comparison of Annual Average Liquid Effluent Radionuclide Concentrations to DOE Derived Concentration Standards

Facility (Sample Location)	Radionuclide	Quantity of Radionuclides Released (Ci)	Average Effluent Concentration (uCi/ml)	DOE DCSs * (uCi/ml)	Fraction of DOE DCS
A-Area (TB-2 Outfall at Road 1A)	H-3	1.23E-02	1.47E-07	1.90E-03	7.75E-05
	C-14	2.04E-03	6.60E-09	6.20E-05	1.06E-04
	Co-60	Below MDL	1.58E-10	7.20E-06	2.20E-05
	I-129	Below MDL	8.04E-11	3.30E-07	2.44E-04
	Cs-137	Below MDL	2.63E-10	3.00E-06	8.76E-05
	U-234	3.88E-05	1.01E-10	6.80E-07	1.48E-04
	U-235	1.23E-06	8.06E-12	7.20E-07	1.12E-05
	U-238	2.64E-05	6.83E-11	7.50E-07	9.11E-05
	Pu-238	2.03E-06	8.74E-12	1.50E-07	5.83E-05
	Pu-239	Below MDL	7.62E-13	1.40E-07	5.45E-06
	Tc-99	Below MDL	8.18E-10	4.40E-05	1.86E-05
	SUM OF FRACTIONS				8.70E-04
F- Area (F-013 200-F Cooling Basin)	H-3	1.71E-02	1.05E-06	1.90E-03	5.51E-04
	Co-60	Below MDL	2.49E-09	7.20E-06	3.46E-04
	Sr-89/90	Below MDL	8.89E-10	1.10E-06	8.09E-04
	I-129	Below MDL	-9.99E-11	3.30E-07	0.00E+00
	Cs-137	Below MDL	8.77E-10	3.00E-06	2.92E-04
	U-234	1.45E-06	9.81E-11	6.80E-07	1.44E-04
	U-235	Below MDL	1.12E-11	7.20E-07	1.56E-05
	Np-237	Below MDL	5.21E-12	3.20E-07	1.63E-05
	U-238	1.65E-06	1.12E-10	7.50E-07	1.49E-04
	Pu-238	Below MDL	3.98E-12	1.50E-07	2.65E-05
	Pu-239	1.05E-06	7.48E-11	1.40E-07	5.34E-04
	Am-241	7.64E-07	5.85E-11	1.70E-07	3.44E-04
	Cm-244	6.85E-07	5.96E-11	2.60E-07	2.29E-04
	Tc-99	9.93E-06	1.73E-09	4.40E-05	3.93E-05
	SUM OF FRACTIONS				3.50E-03

Facility (Sample Location)	Radionuclide	Quantity of Radionuclides Released (Ci)	Average Effluent Concentration (uCi/ml)	DOE DCSs * (uCi/ml)	Fraction of DOE DCS
F-Area (F-05)	H-3	8.75E-03	1.17E-06	1.90E-03	6.15E-04
	C-14	1.90E-04	1.76E-08	6.20E-05	2.85E-04
	Co-60	Below MDL	1.51E-09	7.20E-06	2.10E-04
	Sr-89/90	3.42E-05	4.24E-09	1.10E-06	3.85E-03
	I-129	Below MDL	1.57E-10	3.30E-07	4.76E-04
	Cs-137	Below MDL	1.04E-09	3.00E-06	3.46E-04
	U-234	1.08E-06	1.01E-10	6.80E-07	1.49E-04
	U-235	2.28E-08	6.13E-12	7.20E-07	8.52E-06
	Np-237	Below MDL	1.95E-12	3.20E-07	6.10E-06
	U-238	1.15E-06	1.12E-10	7.50E-07	1.50E-04
	Pu-238	1.60E-07	1.48E-11	1.50E-07	9.90E-05
	Pu-239	4.00E-08	9.18E-12	1.40E-07	6.56E-05
	Am-241	3.41E-07	3.45E-11	1.70E-07	2.03E-04
	Cm-244	4.26E-08	5.91E-12	2.60E-07	2.27E-05
	Tc-99	2.65E-05	2.20E-09	4.40E-05	5.00E-05
	SUM OF FRACTIONS				6.54E-03
F-Area (FM-3 F-Area Effluent)	H-3	1.89E-01	1.46E-06	1.90E-03	7.68E-04
	C-14	5.41E-04	5.24E-09	6.20E-05	8.45E-05
	Co-60	Below MDL	-3.87E-10	7.20E-06	0.00E+00
	Sr-89/90	7.13E-06	2.07E-10	1.10E-06	1.88E-04
	I-129	3.03E-05	4.42E-10	3.30E-07	1.34E-03
	Cs-137	Below MDL	6.20E-10	3.00E-06	2.07E-04
	U-234	1.33E-05	7.52E-11	6.80E-07	1.11E-04
	U-235	2.69E-07	4.70E-12	7.20E-07	6.53E-06
	Np-237	2.72E-07	9.92E-13	3.20E-07	3.10E-06
	U-238	1.45E-05	8.10E-11	7.50E-07	1.08E-04
	Pu-238	1.87E-06	1.28E-11	1.50E-07	8.54E-05
	Pu-239	8.33E-07	7.96E-12	1.40E-07	5.69E-05
	Am-241	6.71E-07	4.89E-12	1.70E-07	2.88E-05
	Cm-244	1.39E-07	2.49E-12	2.60E-07	9.56E-06
	Tc-99	2.75E-04	2.03E-09	4.40E-05	4.62E-05
	SUM OF FRACTIONS				3.04E-03

Facility (Sample Location)	Radionuclide	Quantity of Radionuclides Released (Ci)	Average Effluent Concentration (uCi/ml)	DOE DCSs * (uCi/ml)	Fraction of DOE DCS
F-Tank Farm (F-012 281-8F Retention Basin)	H-3	7.12E-02	1.49E-06	1.90E-03	7.83E-04
	Co-60	Below MDL	-4.80E-10	7.20E-06	0.00E+00
	Sr-89/90	5.72E-05	2.48E-09	1.10E-06	2.26E-03
	I-129	Below MDL	1.15E-10	3.30E-07	3.50E-04
	Cs-137	2.10E-04	6.84E-09	3.00E-06	2.28E-03
	U-234	2.48E-06	5.81E-11	6.80E-07	8.55E-05
	U-235	Below MDL	9.29E-12	7.20E-07	1.29E-05
	Np-237	Below MDL	7.49E-13	3.20E-07	2.34E-06
	U-238	2.29E-06	5.25E-11	7.50E-07	6.99E-05
	Pu-238	1.16E-06	3.64E-11	1.50E-07	2.43E-04
	Pu-239	Below MDL	5.48E-12	1.40E-07	3.91E-05
	Am-241	Below MDL	5.60E-12	1.70E-07	3.30E-05
	Cm-244	Below MDL	5.17E-12	2.60E-07	1.99E-05
	Tc-99	3.33E-05	9.58E-10	4.40E-05	2.18E-05
	SUM OF FRACTIONS				6.20E-03
H-Area (FM-1C H-Area Effluent)	H-3	1.40E+00	2.48E-06	1.90E-03	1.30E-03
	C-14	1.47E-03	3.37E-09	6.20E-05	5.44E-05
	Co-60	Below MDL	5.71E-10	7.20E-06	7.92E-05
	Sr-89/90	4.14E-04	7.42E-10	1.10E-06	6.74E-04
	Cs-137	Below MDL	6.04E-11	3.00E-06	2.01E-05
	U-234	8.96E-06	1.73E-11	6.80E-07	2.54E-05
	U-235	Below MDL	1.74E-12	7.20E-07	2.41E-06
	Np-237	Below MDL	3.34E-12	3.20E-07	1.04E-05
	U-238	6.26E-06	1.27E-11	7.50E-07	1.69E-05
	Pu-238	1.07E-04	1.22E-10	1.50E-07	8.13E-04
	Pu-239	3.20E-06	7.27E-12	1.40E-07	5.19E-05
	Am-241	5.59E-06	9.29E-12	1.70E-07	5.47E-05
	Cm-244	2.27E-06	5.98E-12	2.60E-07	2.30E-05
	SUM OF FRACTIONS				3.13E-03

Facility (Sample Location)	Radionuclide	Quantity of Radionuclides Released (Ci)	Average Effluent Concentration (uCi/ml)	DOE DCSs * (uCi/ml)	Fraction of DOE DCS
H-Area (H-004)	H-3	6.26E-01	9.36E-06	1.90E-03	4.93E-03
	Co-60	Below MDL	4.36E-10	7.20E-06	6.05E-05
	Sr-89/90	Below MDL	4.02E-10	1.10E-06	3.66E-04
	Cs-137	Below MDL	3.05E-11	3.00E-06	1.02E-05
	U-234	2.50E-05	3.76E-10	6.80E-07	5.53E-04
	U-235	6.98E-07	3.62E-11	7.20E-07	5.03E-05
	U-238	5.02E-06	7.87E-11	7.50E-07	1.05E-04
	Pu-238	1.29E-06	3.36E-11	1.50E-07	2.24E-04
	Pu-239	Below MDL	-2.77E-13	1.40E-07	0.00E+00
	SUM OF FRACTIONS				6.30E-03
H-ETP (U3R-2A ETP Outfall at Road C)	H-3	3.64E+01	1.24E-03	1.90E-03	6.52E-01
	C-14	1.09E-03	3.70E-08	6.20E-05	5.97E-04
	Co-60	Below MDL	2.18E-10	7.20E-06	3.03E-05
	Sr-89/90	2.52E-06	5.95E-10	1.10E-06	5.41E-04
	Cs-137	3.44E-03	1.14E-07	3.00E-06	3.80E-02
	U-234	5.58E-07	3.12E-11	6.80E-07	4.59E-05
	U-235	5.42E-08	7.73E-12	7.20E-07	1.07E-05
	Np-237	4.87E-08	2.82E-12	3.20E-07	8.81E-06
	U-238	6.58E-07	3.19E-11	7.50E-07	4.26E-05
	Pu-238	1.75E-07	1.35E-11	1.50E-07	9.03E-05
	Pu-239	Below MDL	7.36E-12	1.40E-07	5.26E-05
	Am-241	5.01E-08	5.02E-12	1.70E-07	2.95E-05
	Cm-244	1.86E-08	6.67E-12	2.60E-07	2.56E-05
	SUM OF FRACTIONS				6.91E-01
H-Tank Farm (H-017 281-8H Retention Basin)	H-3	4.71E-01	2.86E-06	1.90E-03	1.50E-03
	Co-60	Below MDL	1.90E-10	7.20E-06	2.64E-05
	Sr-89/90	1.97E-04	3.09E-09	1.10E-06	2.81E-03
	I-129	1.33E-05	2.83E-10	3.30E-07	8.57E-04
	Cs-137	6.98E-03	4.97E-08	3.00E-06	1.66E-02
	U-234	6.64E-06	5.63E-11	6.80E-07	8.28E-05

Facility (Sample Location)	Radionuclide	Quantity of Radionuclides Released (Ci)	Average Effluent Concentration (uCi/ml)	DOE DCSs * (uCi/ml)	Fraction of DOE DCS
H-Tank Farm (H-017 281-8H Retention Basin) - continued	U-235	Below MDL	6.00E-12	7.20E-07	8.34E-06
	Np-237	Below MDL	9.32E-12	3.20E-07	2.91E-05
	U-238	8.36E-06	5.74E-11	7.50E-07	7.66E-05
	Pu-238	8.18E-05	5.29E-10	1.50E-07	3.53E-03
	Pu-239	3.62E-06	4.23E-11	1.40E-07	3.02E-04
	Am-241	3.90E-06	3.87E-11	1.70E-07	2.27E-04
	Cm-244	1.15E-06	1.49E-11	2.60E-07	5.74E-05
	Tc-99	1.37E-04	1.94E-09	4.40E-05	4.41E-05
	SUM OF FRACTIONS				2.61E-02
H-Tank Farm (HP-52 H-Area Tank Farm)	H-3	5.03E-01	1.86E-06	1.90E-03	9.79E-04
	Co-60	Below MDL	3.77E-10	7.20E-06	5.23E-05
	Sr-89/90	Below MDL	2.09E-10	1.10E-06	1.90E-04
	Cs-137	1.87E-04	2.75E-09	3.00E-06	9.15E-04
	U-234	6.12E-06	2.32E-11	6.80E-07	3.42E-05
	U-235	Below MDL	4.06E-12	7.20E-07	5.63E-06
	U-238	6.51E-06	2.41E-11	7.50E-07	3.21E-05
	Pu-238	1.15E-05	2.65E-11	1.50E-07	1.76E-04
	Pu-239	Below MDL	2.21E-12	1.40E-07	1.58E-05
	Am-241	1.18E-06	6.39E-12	1.70E-07	3.76E-05
	Cm-244	Below MDL	1.69E-12	2.60E-07	6.49E-06
	SUM OF FRACTIONS				2.44E-03
K-Area (K Canal)	H-3	1.86E-01	2.90E-07	1.90E-03	1.53E-04
	Co-60	Below MDL	3.12E-10	7.20E-06	4.34E-05
	Sr-89/90	Below MDL	1.15E-10	1.10E-06	1.04E-04
	Cs-137	Below MDL	-8.19E-10	3.00E-06	0.00E+00
	SUM OF FRACTIONS				3.00E-04
L-Area (L-07)	H-3	3.60E+00	5.37E-07	1.90E-03	2.83E-04
	Co-60	Below MDL	-4.62E-10	7.20E-06	0.00E+00
	Sr-89/90	Below MDL	7.61E-11	1.10E-06	6.92E-05
	Cs-137	Below MDL	-3.86E-10	3.00E-06	0.00E+00
	SUM OF FRACTIONS				3.52E-04

Facility (Sample Location)	Radionuclide	Quantity of Radionuclides Released (Ci)	Average Effluent Concentration (uCi/ml)	DOE DCSs * (uCi/ml)	Fraction of DOE DCS

S-Area (S-004)	H-3	2.16E-01	5.31E-06	1.90E-03	2.79E-03
	Co-60	Below MDL	-3.82E-11	7.20E-06	0.00E+00
	Sr-89/90	Below MDL	3.13E-10	1.10E-06	2.84E-04
	Cs-137	Below MDL	-9.64E-10	3.00E-06	0.00E+00
	U-234	3.59E-06	9.55E-11	6.80E-07	1.40E-04
	U-235	Below MDL	2.15E-11	7.20E-07	2.99E-05
	U-238	2.64E-06	8.70E-11	7.50E-07	1.16E-04
	Pu-238	1.68E-07	1.88E-11	1.50E-07	1.25E-04
	Pu-239	Below MDL	3.40E-12	1.40E-07	2.43E-05
	SUM OF FRACTIONS				3.51E-03
Tritium (HP-15 Tritium Facility Outfall)	H-3	1.93E+00	7.22E-06	1.90E-03	3.80E-03
	Co-60	Below MDL	2.00E-09	7.20E-06	2.77E-04
	Sr-89/90	Below MDL	1.29E-10	1.10E-06	1.17E-04
	Cs-137	Below MDL	-2.66E-10	3.00E-06	0.00E+00
	SUM OF FRACTIONS				4.20E-03

NOTE: *DOE-STD-1196-20011, Derived Concentration Technical Standard

Table 29 Radionuclides in Stormwater Basin Water**Radionuclide: H-3 (tritium)**

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
E-05	12-Jan-15	2.31E+03	2.18E+02	Yes
E-05	9-Feb-15	2.92E+04	5.27E+02	Yes
E-05	9-Mar-15	3.22E+04	5.57E+02	Yes
E-05	8-Jun-15	2.02E+04	4.77E+02	Yes
E-05	12-Oct-15	7.11E+03	2.91E+02	Yes
E-05	9-Nov-15	3.68E+03	2.35E+02	Yes
EAV Basin North (E-004)	12-Jan-15	7.35E+03	3.07E+02	Yes
EAV Basin North (E-004)	9-Feb-15	1.02E+04	3.35E+02	Yes
EAV Basin North (E-004)	9-Mar-15	6.35E+03	2.78E+02	Yes
EAV Basin North (E-004)	13-Apr-15	9.38E+03	3.23E+02	Yes
EAV Basin North (E-004)	11-May-15	8.51E+03	3.01E+02	Yes
EAV Basin North (E-004)	8-Jun-15	6.41E+03	2.86E+02	Yes
EAV Basin North (E-004)	13-Jul-15	7.92E+03	3.01E+02	Yes
EAV Basin North (E-004)	10-Aug-15	6.16E+03	2.69E+02	Yes
EAV Basin North (E-004)	21-Sep-15	3.27E+03	2.39E+02	Yes
EAV Basin North (E-004)	12-Oct-15	5.41E+03	2.67E+02	Yes
EAV Basin North (E-004)	9-Nov-15	8.49E+03	3.16E+02	Yes
EAV Basin North (E-004)	14-Dec-15	9.62E+03	3.19E+02	Yes
EAV Basin South (E-003)	12-Jan-15	2.24E+03	2.08E+02	Yes
EAV Basin South (E-003)	9-Mar-15	1.67E+04	4.49E+02	Yes
EAV Basin South (E-003)	12-Oct-15	2.92E+03	2.26E+02	Yes
EAV Basin South (E-003)	9-Nov-15	4.38E+03	2.51E+02	Yes
POND 400	12-Jan-15	-6.62E+01	1.41E+02	No
POND 400	9-Feb-15	9.11E+02	1.43E+02	Yes
POND 400	9-Mar-15	7.30E+02	1.46E+02	Yes
POND 400	13-Apr-15	7.43E+02	1.48E+02	Yes
POND 400	11-May-15	1.13E+03	1.86E+02	Yes
POND 400	8-Jun-15	2.57E+01	1.47E+02	No
POND 400	13-Jul-15	8.57E+01	1.48E+02	No
POND 400	10-Aug-15	1.31E+03	1.68E+02	Yes
POND 400	21-Sep-15	1.05E+03	1.85E+02	Yes
POND 400	12-Oct-15	6.78E+01	1.39E+02	No
POND 400	9-Nov-15	5.32E+00	1.40E+02	No
POND 400	14-Dec-15	9.41E+02	1.52E+02	Yes

Table 29 Radionuclides in Stormwater Basin Water (continued)

Radionuclide: H-3 (tritium) (continued)

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
SWDF Basin North (E-002)	12-Jan-15	1.66E+04	4.15E+02	Yes
SWDF Basin North (E-002)	9-Feb-15	1.47E+04	3.89E+02	Yes
SWDF Basin North (E-002)	9-Mar-15	9.14E+03	3.19E+02	Yes
SWDF Basin North (E-002)	13-Apr-15	1.07E+04	3.46E+02	Yes
SWDF Basin North (E-002)	11-May-15	1.16E+04	3.85E+02	Yes
SWDF Basin North (E-002)	8-Jun-15	1.40E+04	3.97E+02	Yes
SWDF Basin North (E-002)	13-Jul-15	1.07E+04	3.43E+02	Yes
SWDF Basin North (E-002)	10-Aug-15	1.45E+04	3.98E+02	Yes
SWDF Basin North (E-002)	21-Sep-15	2.42E+04	5.21E+02	Yes
SWDF Basin North (E-002)	12-Oct-15	8.11E+03	3.33E+02	Yes
SWDF Basin North (E-002)	9-Nov-15	1.01E+04	3.46E+02	Yes
SWDF Basin North (E-002)	14-Dec-15	1.58E+04	4.05E+02	Yes
SWDF Basin South (E-001)	12-Jan-15	7.65E+03	2.97E+02	Yes
SWDF Basin South (E-001)	9-Feb-15	8.65E+03	3.06E+02	Yes
SWDF Basin South (E-001)	9-Mar-15	7.03E+03	2.85E+02	Yes
SWDF Basin South (E-001)	13-Apr-15	8.41E+03	3.08E+02	Yes
SWDF Basin South (E-001)	11-May-15	5.81E+03	2.66E+02	Yes
SWDF Basin South (E-001)	8-Jun-15	3.95E+03	2.40E+02	Yes
SWDF Basin South (E-001)	13-Jul-15	5.92E+03	2.70E+02	Yes
SWDF Basin South (E-001)	10-Aug-15	5.08E+03	2.52E+02	Yes
SWDF Basin South (E-001)	21-Sep-15	4.11E+03	2.55E+02	Yes
SWDF Basin South (E-001)	12-Oct-15	-2.01E+02	6.79E+01	No
SWDF Basin South (E-001)	9-Nov-15	5.05E+03	2.61E+02	Yes
SWDF Basin South (E-001)	14-Dec-15	4.86E+03	2.43E+02	Yes
Z-AREA BASIN	12-Jan-15	1.37E+03	1.84E+02	Yes
Z-AREA BASIN	9-Feb-15	2.23E+03	1.82E+02	Yes
Z-AREA BASIN	9-Mar-15	1.12E+03	1.59E+02	Yes
Z-AREA BASIN	13-Apr-15	1.68E+03	1.75E+02	Yes
Z-AREA BASIN	11-May-15	9.54E+02	1.88E+02	Yes
Z-AREA BASIN	8-Jun-15	8.81E+02	1.70E+02	Yes
Z-AREA BASIN	13-Jul-15	1.39E+03	1.82E+02	Yes
Z-AREA BASIN	10-Aug-15	1.78E+03	1.79E+02	Yes
Z-AREA BASIN	21-Sep-15	8.65E+02	1.80E+02	Yes
Z-AREA BASIN	12-Oct-15	2.84E+02	1.48E+02	No
Z-AREA BASIN	9-Nov-15	3.00E+02	1.48E+02	No
Z-AREA BASIN	14-Dec-15	1.18E+03	1.56E+02	Yes

Table 29 Radionuclides in Stormwater Basin Water (continued)

Radionuclide: Co-60

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
E-05	12-Jan-15	6.27E-01	1.47E+00	No
E-05	9-Feb-15	3.14E+00	1.94E+00	No
E-05	9-Mar-15	2.54E+00	1.92E+00	No
E-05	8-Jun-15	6.59E-01	1.98E+00	No
E-05	12-Oct-15	3.32E+00	1.98E+00	No
E-05	9-Nov-15	1.12E+00	2.22E+00	No
EAV Basin North (E-004)	12-Jan-15	-2.00E+00	2.10E+00	No
EAV Basin North (E-004)	9-Feb-15	-3.51E+00	2.36E+00	No
EAV Basin North (E-004)	9-Mar-15	1.97E-01	1.95E+00	No
EAV Basin North (E-004)	13-Apr-15	1.82E+00	1.73E+00	No
EAV Basin North (E-004)	11-May-15	-6.97E-01	2.05E+00	No
EAV Basin North (E-004)	8-Jun-15	1.97E+00	2.15E+00	No
EAV Basin North (E-004)	13-Jul-15	-4.38E+00	1.78E+00	No
EAV Basin North (E-004)	10-Aug-15	1.28E+00	2.01E+00	No
EAV Basin North (E-004)	21-Sep-15	1.75E+00	1.77E+00	No
EAV Basin North (E-004)	12-Oct-15	-3.76E-01	2.01E+00	No
EAV Basin North (E-004)	9-Nov-15	2.01E+00	1.74E+00	No
EAV Basin North (E-004)	14-Dec-15	-7.08E-01	1.67E+00	No
EAV Basin South (E-003)	12-Jan-15	1.05E+00	1.85E+00	No
EAV Basin South (E-003)	9-Mar-15	2.81E-01	1.79E+00	No
EAV Basin South (E-003)	12-Oct-15	2.58E+00	2.13E+00	No
EAV Basin South (E-003)	9-Nov-15	-1.08E+00	1.87E+00	No
POND 400	12-Jan-15	9.05E-01	2.08E+00	No
POND 400	9-Feb-15	-5.43E-01	2.27E+00	No
POND 400	9-Mar-15	-2.28E+00	1.92E+00	No
POND 400	13-Apr-15	1.54E+00	1.85E+00	No
POND 400	11-May-15	-6.97E-01	2.51E+00	No
POND 400	8-Jun-15	3.95E+00	2.10E+00	No
POND 400	13-Jul-15	1.60E+00	1.92E+00	No
POND 400	10-Aug-15	-1.88E+00	1.92E+00	No
POND 400	21-Sep-15	3.54E-01	1.89E+00	No
POND 400	12-Oct-15	1.26E-01	1.96E+00	No
POND 400	9-Nov-15	-1.00E+00	2.01E+00	No
POND 400	14-Dec-15	1.34E+00	1.96E+00	No

Table 29 Radionuclides in Stormwater Basin Water (continued)

Radionuclide: Co-60 (continued)

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
SWDF Basin North (E-002)	12-Jan-15	-1.13E+00	1.86E+00	No
SWDF Basin North (E-002)	9-Feb-15	-1.74E+00	2.48E+00	No
SWDF Basin North (E-002)	9-Mar-15	3.43E+00	1.39E+00	No
SWDF Basin North (E-002)	13-Apr-15	8.30E-01	1.86E+00	No
SWDF Basin North (E-002)	11-May-15	-1.66E+00	2.30E+00	No
SWDF Basin North (E-002)	8-Jun-15	-5.73E-01	2.11E+00	No
SWDF Basin North (E-002)	13-Jul-15	8.97E-01	1.96E+00	No
SWDF Basin North (E-002)	10-Aug-15	-4.08E+00	2.07E+00	No
SWDF Basin North (E-002)	21-Sep-15	4.68E-01	1.81E+00	No
SWDF Basin North (E-002)	12-Oct-15	-1.42E+00	1.85E+00	No
SWDF Basin North (E-002)	9-Nov-15	-3.97E-01	1.88E+00	No
SWDF Basin North (E-002)	14-Dec-15	-2.92E-01	1.84E+00	No
SWDF Basin South (E-001)	12-Jan-15	5.05E-01	1.88E+00	No
SWDF Basin South (E-001)	9-Feb-15	-3.86E+00	2.44E+00	No
SWDF Basin South (E-001)	9-Mar-15	1.26E+00	1.72E+00	No
SWDF Basin South (E-001)	13-Apr-15	-2.68E+00	1.79E+00	No
SWDF Basin South (E-001)	11-May-15	-2.63E+00	2.18E+00	No
SWDF Basin South (E-001)	8-Jun-15	-1.21E+00	2.16E+00	No
SWDF Basin South (E-001)	13-Jul-15	-2.37E+00	1.74E+00	No
SWDF Basin South (E-001)	10-Aug-15	-3.89E-01	1.89E+00	No
SWDF Basin South (E-001)	21-Sep-15	1.11E+00	1.91E+00	No
SWDF Basin South (E-001)	12-Oct-15	-2.56E+00	2.26E+00	No
SWDF Basin South (E-001)	9-Nov-15	7.30E-01	2.08E+00	No
SWDF Basin South (E-001)	14-Dec-15	-1.44E+00	2.06E+00	No
Z-AREA BASIN	12-Jan-15	2.44E+00	2.01E+00	No
Z-AREA BASIN	9-Feb-15	-2.16E-01	2.44E+00	No
Z-AREA BASIN	9-Mar-15	-8.38E-02	1.90E+00	No
Z-AREA BASIN	13-Apr-15	1.59E+00	1.78E+00	No
Z-AREA BASIN	11-May-15	-2.26E+00	2.36E+00	No
Z-AREA BASIN	8-Jun-15	4.08E+00	1.94E+00	No
Z-AREA BASIN	13-Jul-15	2.73E+00	1.91E+00	No
Z-AREA BASIN	10-Aug-15	-3.51E-01	2.25E+00	No
Z-AREA BASIN	21-Sep-15	1.84E+00	2.05E+00	No
Z-AREA BASIN	12-Oct-15	-9.76E-01	2.34E+00	No
Z-AREA BASIN	9-Nov-15	3.89E-01	2.02E+00	No
Z-AREA BASIN	14-Dec-15	-1.34E+00	2.06E+00	No

Table 29 Radionuclides in Stormwater Basin Water (continued)

Radionuclide: Cs-137

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
E-05	12-Jan-15	-3.19E+00	2.05E+00	No
E-05	9-Feb-15	3.08E+00	2.01E+00	No
E-05	9-Mar-15	-2.21E+00	2.04E+00	No
E-05	8-Jun-15	-3.62E+00	2.90E+00	No
E-05	12-Oct-15	-1.58E+00	1.92E+00	No
E-05	9-Nov-15	-1.52E+00	2.19E+00	No
EAV Basin North (E-004)	12-Jan-15	-8.16E-02	2.08E+00	No
EAV Basin North (E-004)	9-Feb-15	-1.86E+00	2.56E+00	No
EAV Basin North (E-004)	9-Mar-15	2.50E+00	2.13E+00	No
EAV Basin North (E-004)	13-Apr-15	-4.49E-01	2.08E+00	No
EAV Basin North (E-004)	11-May-15	-2.14E+00	2.37E+00	No
EAV Basin North (E-004)	8-Jun-15	-3.68E-01	2.30E+00	No
EAV Basin North (E-004)	13-Jul-15	-1.11E+00	2.07E+00	No
EAV Basin North (E-004)	10-Aug-15	-2.32E+00	1.94E+00	No
EAV Basin North (E-004)	21-Sep-15	1.39E+00	2.11E+00	No
EAV Basin North (E-004)	12-Oct-15	-2.49E+00	1.85E+00	No
EAV Basin North (E-004)	9-Nov-15	-8.46E-01	2.00E+00	No
EAV Basin North (E-004)	14-Dec-15	1.36E+00	1.91E+00	No
EAV Basin South (E-003)	12-Jan-15	5.51E-01	2.00E+00	No
EAV Basin South (E-003)	9-Mar-15	-6.14E-01	2.06E+00	No
EAV Basin South (E-003)	12-Oct-15	-1.51E+00	2.07E+00	No
EAV Basin South (E-003)	9-Nov-15	1.22E+00	1.97E+00	No
POND 400	12-Jan-15	-8.49E-01	2.08E+00	No
POND 400	9-Feb-15	-1.93E+00	2.35E+00	No
POND 400	9-Mar-15	1.38E-01	2.11E+00	No
POND 400	13-Apr-15	-2.48E-01	2.19E+00	No
POND 400	11-May-15	1.18E+00	2.41E+00	No
POND 400	8-Jun-15	-3.86E+00	2.37E+00	No
POND 400	13-Jul-15	-2.33E+00	2.09E+00	No
POND 400	10-Aug-15	3.35E-01	2.00E+00	No
POND 400	21-Sep-15	3.89E+00	2.12E+00	No
POND 400	12-Oct-15	4.14E-01	2.25E+00	No
POND 400	9-Nov-15	-1.56E+00	1.97E+00	No
POND 400	14-Dec-15	-1.79E-02	1.96E+00	No

Table 29 Radionuclides in Stormwater Basin Water (continued)

Radionuclide: Cs-137 (continued)

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
SWDF Basin North (E-002)	12-Jan-15	-7.89E-01	2.00E+00	No
SWDF Basin North (E-002)	9-Feb-15	-9.70E-01	2.65E+00	No
SWDF Basin North (E-002)	9-Mar-15	-2.43E+00	1.98E+00	No
SWDF Basin North (E-002)	13-Apr-15	-5.70E+00	2.04E+00	No
SWDF Basin North (E-002)	11-May-15	1.10E+00	2.33E+00	No
SWDF Basin North (E-002)	8-Jun-15	-8.05E-01	2.22E+00	No
SWDF Basin North (E-002)	13-Jul-15	2.47E+00	2.16E+00	No
SWDF Basin North (E-002)	10-Aug-15	2.30E-01	1.97E+00	No
SWDF Basin North (E-002)	21-Sep-15	2.01E+00	2.05E+00	No
SWDF Basin North (E-002)	12-Oct-15	2.47E+00	1.91E+00	No
SWDF Basin North (E-002)	9-Nov-15	-1.21E-01	2.04E+00	No
SWDF Basin North (E-002)	14-Dec-15	-2.76E+00	2.07E+00	No
SWDF Basin South (E-001)	12-Jan-15	5.73E-01	2.19E+00	No
SWDF Basin South (E-001)	9-Feb-15	-1.29E+00	2.36E+00	No
SWDF Basin South (E-001)	9-Mar-15	-1.94E+00	2.17E+00	No
SWDF Basin South (E-001)	13-Apr-15	-1.69E-01	2.12E+00	No
SWDF Basin South (E-001)	11-May-15	-9.89E-01	2.40E+00	No
SWDF Basin South (E-001)	8-Jun-15	-1.69E+00	2.17E+00	No
SWDF Basin South (E-001)	13-Jul-15	1.39E+00	2.07E+00	No
SWDF Basin South (E-001)	10-Aug-15	1.86E-02	1.85E+00	No
SWDF Basin South (E-001)	21-Sep-15	-2.92E+00	2.19E+00	No
SWDF Basin South (E-001)	12-Oct-15	-3.89E+00	2.09E+00	No
SWDF Basin South (E-001)	9-Nov-15	1.22E+00	2.00E+00	No
SWDF Basin South (E-001)	14-Dec-15	-5.95E-01	1.96E+00	No
Z-AREA BASIN	12-Jan-15	7.27E+02	4.86E+01	Yes
Z-AREA BASIN	9-Feb-15	2.58E+02	1.89E+01	Yes
Z-AREA BASIN	9-Mar-15	3.08E+02	2.19E+01	Yes
Z-AREA BASIN	13-Apr-15	3.05E+02	2.17E+01	Yes
Z-AREA BASIN	11-May-15	3.05E+02	2.21E+01	Yes
Z-AREA BASIN	8-Jun-15	2.73E+02	1.98E+01	Yes
Z-AREA BASIN	13-Jul-15	3.19E+02	2.24E+01	Yes
Z-AREA BASIN	10-Aug-15	3.46E+02	2.39E+01	Yes
Z-AREA BASIN	21-Sep-15	3.11E+02	2.17E+01	Yes
Z-AREA BASIN	12-Oct-15	3.35E+02	2.36E+01	Yes
Z-AREA BASIN	9-Nov-15	3.11E+02	2.16E+01	Yes
Z-AREA BASIN	14-Dec-15	2.06E+02	1.50E+01	Yes

Table 29 Radionuclides in Stormwater Basin Water (continued)**Radionuclide: Sr-89/90**

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Z-AREA BASIN	12-Jan-15	9.49E-01	4.59E-01	No
Z-AREA BASIN	9-Feb-15	6.11E-01	4.45E-01	No
Z-AREA BASIN	9-Mar-15	7.41E-01	4.63E-01	No
Z-AREA BASIN	13-Apr-15	-2.57E-01	3.11E-01	No
Z-AREA BASIN	11-May-15	-5.78E-02	3.61E-01	No
Z-AREA BASIN	8-Jun-15	9.22E-01	4.13E-01	No
Z-AREA BASIN	13-Jul-15	6.81E-01	4.01E-01	No
Z-AREA BASIN	10-Aug-15	1.53E-02	3.81E-01	No
Z-AREA BASIN	21-Sep-15	4.43E-01	4.19E-01	No
Z-AREA BASIN	12-Oct-15	5.38E-01	4.04E-01	No
Z-AREA BASIN	9-Nov-15	3.24E-01	4.45E-01	No
Z-AREA BASIN	14-Dec-15	-1.36E-01	3.41E-01	No

Radionuclide: I-129

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Z-AREA BASIN	12-Jan-15	6.41E-01	2.60E-01	No
Z-AREA BASIN	9-Feb-15	-1.13E-01	2.44E-01	No
Z-AREA BASIN	9-Mar-15	8.54E-01	3.27E-01	No
Z-AREA BASIN	13-Apr-15	4.38E-01	2.69E-01	No
Z-AREA BASIN	11-May-15	-8.14E-02	2.43E-01	No
Z-AREA BASIN	8-Jun-15	9.30E-01	3.22E-01	Yes
Z-AREA BASIN	13-Jul-15	2.44E-02	2.73E-01	No
Z-AREA BASIN	10-Aug-15	-2.10E-01	2.54E-01	No
Z-AREA BASIN	21-Sep-15	-3.24E-01	3.61E-01	No
Z-AREA BASIN	12-Oct-15	3.00E+00	5.92E-01	Yes
Z-AREA BASIN	9-Nov-15	1.31E+00	4.89E-01	Yes
Z-AREA BASIN	14-Dec-15	3.81E-01	2.97E-01	No

Table 29 Radionuclides in Stormwater Basin Water (continued)

Radionuclide: U-234

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Z-AREA BASIN	12-Jan-15	6.22E-02	1.54E-02	Yes
Z-AREA BASIN	9-Feb-15	3.03E-02	1.11E-02	Yes
Z-AREA BASIN	9-Mar-15	2.97E-02	1.31E-02	Yes
Z-AREA BASIN	13-Apr-15	5.54E-02	1.45E-02	Yes
Z-AREA BASIN	11-May-15	3.16E-02	1.28E-02	Yes
Z-AREA BASIN	8-Jun-15	3.16E-02	1.20E-02	Yes
Z-AREA BASIN	13-Jul-15	7.27E-02	1.75E-02	Yes
Z-AREA BASIN	10-Aug-15	4.46E-02	1.27E-02	Yes
Z-AREA BASIN	21-Sep-15	1.08E-01	2.20E-02	Yes
Z-AREA BASIN	12-Oct-15	5.78E-02	1.66E-02	Yes
Z-AREA BASIN	9-Nov-15	4.65E-02	1.32E-02	Yes
Z-AREA BASIN	14-Dec-15	8.11E-02	1.91E-02	Yes

Radionuclide: U-235

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Z-AREA BASIN	12-Jan-15	5.27E-03	6.22E-03	No
Z-AREA BASIN	9-Feb-15	-3.11E-03	4.61E-03	No
Z-AREA BASIN	9-Mar-15	1.26E-02	7.36E-03	No
Z-AREA BASIN	13-Apr-15	-2.84E-06	9.00E-05	No
Z-AREA BASIN	11-May-15	1.68E-02	8.45E-03	No
Z-AREA BASIN	8-Jun-15	8.38E-03	6.06E-03	No
Z-AREA BASIN	13-Jul-15	4.32E-03	4.34E-03	No
Z-AREA BASIN	10-Aug-15	1.54E-02	7.78E-03	No
Z-AREA BASIN	21-Sep-15	-2.64E-03	4.05E-03	No
Z-AREA BASIN	12-Oct-15	4.05E-03	4.07E-03	No
Z-AREA BASIN	9-Nov-15	-5.03E-03	3.71E-03	No
Z-AREA BASIN	14-Dec-15	-2.53E-03	2.54E-03	No

Table 29 Radionuclides in Stormwater Basin Water (continued)**Radionuclide: Np-237**

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Z-AREA BASIN	12-Jan-15	-9.41E-03	4.74E-03	No
Z-AREA BASIN	9-Feb-15	-2.48E-02	8.50E-03	No
Z-AREA BASIN	9-Mar-15	1.32E-02	7.76E-03	No
Z-AREA BASIN	13-Apr-15	-4.38E-03	6.71E-03	No
Z-AREA BASIN	11-May-15	8.92E-03	7.18E-03	No
Z-AREA BASIN	8-Jun-15	-2.66E-03	3.08E-03	No
Z-AREA BASIN	13-Jul-15	-4.78E-03	3.40E-03	No
Z-AREA BASIN	10-Aug-15	1.16E-02	7.78E-03	No
Z-AREA BASIN	21-Sep-15	1.12E-03	7.38E-03	No
Z-AREA BASIN	12-Oct-15	6.73E-03	4.64E-03	No
Z-AREA BASIN	9-Nov-15	4.00E-03	4.06E-03	No
Z-AREA BASIN	14-Dec-15	-3.65E-03	5.74E-03	No

Radionuclide: U-238

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Z-AREA BASIN	12-Jan-15	3.84E-02	1.15E-02	Yes
Z-AREA BASIN	9-Feb-15	3.03E-02	1.09E-02	Yes
Z-AREA BASIN	9-Mar-15	7.05E-02	1.71E-02	Yes
Z-AREA BASIN	13-Apr-15	1.73E-02	7.89E-03	Yes
Z-AREA BASIN	11-May-15	5.86E-02	1.50E-02	Yes
Z-AREA BASIN	8-Jun-15	5.43E-02	1.44E-02	Yes
Z-AREA BASIN	13-Jul-15	3.03E-02	1.17E-02	Yes
Z-AREA BASIN	10-Aug-15	2.59E-02	9.86E-03	Yes
Z-AREA BASIN	21-Sep-15	1.05E-01	2.07E-02	Yes
Z-AREA BASIN	12-Oct-15	4.57E-02	1.37E-02	Yes
Z-AREA BASIN	9-Nov-15	1.80E-02	9.44E-03	Yes
Z-AREA BASIN	14-Dec-15	5.84E-02	1.46E-02	Yes

Table 29 Radionuclides in Stormwater Basin Water (continued)

Radionuclide: Pu-238

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Z-AREA BASIN	12-Jan-15	1.05E-02	6.15E-03	No
Z-AREA BASIN	9-Feb-15	8.16E-03	5.85E-03	No
Z-AREA BASIN	9-Mar-15	2.33E-02	1.13E-02	Yes
Z-AREA BASIN	13-Apr-15	2.46E-02	1.25E-02	Yes
Z-AREA BASIN	11-May-15	2.02E-02	9.78E-03	Yes
Z-AREA BASIN	8-Jun-15	1.18E-02	7.90E-03	No
Z-AREA BASIN	13-Jul-15	1.06E-02	6.19E-03	No
Z-AREA BASIN	10-Aug-15	1.57E-02	7.12E-03	No
Z-AREA BASIN	21-Sep-15	3.35E-02	1.10E-02	Yes
Z-AREA BASIN	12-Oct-15	9.32E-03	7.49E-03	No
Z-AREA BASIN	9-Nov-15	1.19E-02	6.95E-03	No
Z-AREA BASIN	14-Dec-15	1.21E-02	7.64E-03	No

Radionuclide: Pu-239

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Z-AREA BASIN	12-Jan-15	1.05E-02	6.11E-03	No
Z-AREA BASIN	9-Feb-15	2.73E-03	6.95E-03	No
Z-AREA BASIN	9-Mar-15	4.35E-03	4.43E-03	No
Z-AREA BASIN	13-Apr-15	-1.14E-05	5.09E-04	No
Z-AREA BASIN	11-May-15	7.57E-03	5.48E-03	No
Z-AREA BASIN	8-Jun-15	-1.35E-03	5.56E-03	No
Z-AREA BASIN	13-Jul-15	-2.36E-03	2.37E-03	No
Z-AREA BASIN	10-Aug-15	1.36E-02	7.43E-03	No
Z-AREA BASIN	21-Sep-15	2.21E-03	5.75E-03	No
Z-AREA BASIN	12-Oct-15	9.30E-03	7.58E-03	No
Z-AREA BASIN	9-Nov-15	3.89E-03	5.20E-03	No
Z-AREA BASIN	14-Dec-15	7.19E-03	5.37E-03	No

Table 29 Radionuclides in Stormwater Basin Water (continued)**Radionuclide: Am-241**

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Z-AREA BASIN	12-Jan-15	-7.22E-03	4.18E-03	No
Z-AREA BASIN	9-Feb-15	-2.33E-03	4.29E-03	No
Z-AREA BASIN	9-Mar-15	7.46E-03	5.98E-03	No
Z-AREA BASIN	13-Apr-15	3.19E-03	3.20E-03	No
Z-AREA BASIN	11-May-15	0.00E+00	4.07E-03	No
Z-AREA BASIN	8-Jun-15	4.68E-03	5.60E-03	No
Z-AREA BASIN	13-Jul-15	0.00E+00	4.60E-03	No
Z-AREA BASIN	10-Aug-15	3.30E-03	3.32E-03	No
Z-AREA BASIN	21-Sep-15	0.00E+00	5.09E-03	No
Z-AREA BASIN	12-Oct-15	3.62E-03	3.64E-03	No
Z-AREA BASIN	9-Nov-15	3.22E-03	3.29E-03	No
Z-AREA BASIN	14-Dec-15	-1.24E-03	5.10E-03	No

Radionuclide: Cm-244

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Z-AREA BASIN	12-Jan-15	3.57E-03	3.58E-03	No
Z-AREA BASIN	9-Feb-15	0.00E+00	4.30E-03	No
Z-AREA BASIN	9-Mar-15	6.32E-03	4.49E-03	No
Z-AREA BASIN	13-Apr-15	6.30E-03	4.47E-03	No
Z-AREA BASIN	11-May-15	1.31E-02	6.57E-03	Yes
Z-AREA BASIN	8-Jun-15	-1.73E-05	5.12E-04	No
Z-AREA BASIN	13-Jul-15	3.70E-03	3.71E-03	No
Z-AREA BASIN	10-Aug-15	9.81E-03	5.72E-03	No
Z-AREA BASIN	21-Sep-15	0.00E+00	5.11E-03	No
Z-AREA BASIN	12-Oct-15	-2.39E-03	2.44E-03	No
Z-AREA BASIN	9-Nov-15	3.16E-03	3.49E-03	No
Z-AREA BASIN	14-Dec-15	1.22E-03	4.41E-03	No

Table 29 Radionuclides in Stormwater Basin Water (continued)

Radionuclide: Tc-99

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
E-05	12-Jan-15	8.14E+00	1.91E+00	Yes
E-05	9-Feb-15	3.57E+00	8.72E-01	Yes
E-05	9-Mar-15	5.57E+00	9.74E-01	Yes
E-05	8-Jun-15	3.38E+00	8.76E-01	Yes
E-05	12-Oct-15	6.62E+00	8.67E-01	Yes
E-05	9-Nov-15	7.24E-01	9.74E-01	No
EAV Basin North (E-004)	12-Jan-15	8.19E-01	7.63E-01	No
EAV Basin North (E-004)	9-Feb-15	3.32E+00	4.79E-01	No
EAV Basin North (E-004)	9-Mar-15	4.27E-01	7.73E-01	No
EAV Basin North (E-004)	13-Apr-15	1.39E+00	8.33E-01	No
EAV Basin North (E-004)	11-May-15	5.22E+00	5.87E-01	Yes
EAV Basin North (E-004)	8-Jun-15	9.59E-01	7.77E-01	No
EAV Basin North (E-004)	13-Jul-15	-8.08E-01	8.13E-01	No
EAV Basin North (E-004)	10-Aug-15	1.38E+01	9.28E-01	Yes
EAV Basin North (E-004)	21-Sep-15	2.48E+00	8.25E-01	Yes
EAV Basin North (E-004)	12-Oct-15	6.65E-01	7.70E-01	No
EAV Basin North (E-004)	9-Nov-15	1.92E-01	9.17E-01	No
EAV Basin North (E-004)	14-Dec-15	1.22E+00	7.77E-01	No
EAV Basin South (E-003)	12-Jan-15	3.73E+00	9.09E-01	Yes
EAV Basin South (E-003)	9-Mar-15	8.70E-01	8.09E-01	No
EAV Basin South (E-003)	12-Oct-15	6.51E-01	7.85E-01	No
EAV Basin South (E-003)	9-Nov-15	7.00E-01	9.63E-01	No
POND 400	12-Jan-15	2.35E+00	8.92E-01	No
POND 400	9-Feb-15	2.61E+00	8.80E-01	Yes
POND 400	9-Mar-15	-2.19E-01	8.12E-01	No
POND 400	13-Apr-15	1.39E-01	7.70E-01	No
POND 400	11-May-15	8.73E+00	9.24E-01	Yes
POND 400	8-Jun-15	1.97E+00	7.68E-01	No
POND 400	13-Jul-15	1.51E-02	8.46E-01	No
POND 400	10-Aug-15	2.66E+00	7.79E-01	Yes
POND 400	21-Sep-15	1.25E-01	7.86E-01	No
POND 400	12-Oct-15	1.37E+00	7.89E-01	No
POND 400	9-Nov-15	1.93E+00	1.06E+00	No
POND 400	14-Dec-15	8.57E-01	7.68E-01	No

Table 29 Radionuclides in Stormwater Basin Water (continued)**Radionuclide: Tc-99 (continued)**

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
SWDF Basin North (E-002)	12-Jan-15	1.01E+00	9.09E-01	No
SWDF Basin North (E-002)	9-Feb-15	1.65E+00	7.47E-01	No
SWDF Basin North (E-002)	9-Mar-15	9.08E-01	8.55E-01	No
SWDF Basin North (E-002)	13-Apr-15	1.31E+00	7.88E-01	No
SWDF Basin North (E-002)	11-May-15	-8.73E-01	7.82E-01	No
SWDF Basin North (E-002)	8-Jun-15	1.78E+00	7.74E-01	No
SWDF Basin North (E-002)	13-Jul-15	-7.54E-01	7.56E-01	No
SWDF Basin North (E-002)	10-Aug-15	1.04E+00	7.58E-01	No
SWDF Basin North (E-002)	21-Sep-15	-6.43E-01	7.76E-01	No
SWDF Basin North (E-002)	12-Oct-15	9.89E-01	7.80E-01	No
SWDF Basin North (E-002)	9-Nov-15	8.03E-01	8.80E-01	No
SWDF Basin North (E-002)	14-Dec-15	5.14E-01	7.66E-01	No
SWDF Basin South (E-001)	12-Jan-15	8.32E+00	1.27E+00	Yes
SWDF Basin South (E-001)	9-Feb-15	2.57E+00	9.17E-01	Yes
SWDF Basin South (E-001)	9-Mar-15	2.29E+00	1.01E+00	No
SWDF Basin South (E-001)	13-Apr-15	2.11E+00	9.48E-01	No
SWDF Basin South (E-001)	11-May-15	7.95E-01	8.13E-01	No
SWDF Basin South (E-001)	8-Jun-15	1.01E+00	7.52E-01	No
SWDF Basin South (E-001)	13-Jul-15	9.84E-01	1.00E+00	No
SWDF Basin South (E-001)	10-Aug-15	2.37E-01	7.48E-01	No
SWDF Basin South (E-001)	21-Sep-15	1.02E+00	8.09E-01	No
SWDF Basin South (E-001)	12-Oct-15	3.35E+00	9.21E-01	Yes
SWDF Basin South (E-001)	9-Nov-15	3.35E-01	8.72E-01	No
SWDF Basin South (E-001)	14-Dec-15	1.77E+00	8.54E-01	No
Z-AREA BASIN	12-Jan-15	2.95E+01	1.37E+00	Yes
Z-AREA BASIN	9-Feb-15	1.23E+01	1.06E+00	Yes
Z-AREA BASIN	9-Mar-15	1.11E+01	1.05E+00	Yes
Z-AREA BASIN	13-Apr-15	3.14E+00	8.50E-01	Yes
Z-AREA BASIN	11-May-15	1.04E+01	1.09E+00	Yes
Z-AREA BASIN	8-Jun-15	5.32E+00	8.59E-01	Yes
Z-AREA BASIN	13-Jul-15	4.41E+00	1.08E+00	Yes
Z-AREA BASIN	10-Aug-15	4.30E+00	8.03E-01	Yes
Z-AREA BASIN	21-Sep-15	5.89E+00	8.63E-01	Yes
Z-AREA BASIN	12-Oct-15	8.22E+00	9.82E-01	Yes
Z-AREA BASIN	9-Nov-15	5.86E+00	1.15E+00	Yes
Z-AREA BASIN	14-Dec-15	4.41E+00	8.54E-01	Yes

Table 29 Radionuclides in Stormwater Basin Water (continued)

Radionuclide: Gross Beta

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
E-05	12-Jan-15	3.24E+00	7.32E-01	Yes
E-05	9-Feb-15	2.95E+00	7.22E-01	Yes
E-05	9-Mar-15	2.19E+00	6.12E-01	Yes
E-05	8-Jun-15	4.22E+00	7.48E-01	Yes
E-05	12-Oct-15	3.24E+00	7.08E-01	Yes
E-05	9-Nov-15	2.47E+00	7.05E-01	Yes
EAV Basin North (E-004)	12-Jan-15	3.35E+00	7.42E-01	Yes
EAV Basin North (E-004)	9-Feb-15	2.25E+00	6.54E-01	Yes
EAV Basin North (E-004)	9-Mar-15	2.97E+00	6.68E-01	Yes
EAV Basin North (E-004)	13-Apr-15	3.03E+00	5.04E-01	Yes
EAV Basin North (E-004)	11-May-15	1.85E+00	6.19E-01	Yes
EAV Basin North (E-004)	8-Jun-15	1.50E+00	5.46E-01	Yes
EAV Basin North (E-004)	13-Jul-15	1.86E+00	5.87E-01	Yes
EAV Basin North (E-004)	10-Aug-15	1.35E+00	5.55E-01	No
EAV Basin North (E-004)	21-Sep-15	1.27E+00	5.78E-01	No
EAV Basin North (E-004)	12-Oct-15	2.97E+00	6.87E-01	Yes
EAV Basin North (E-004)	9-Nov-15	1.38E+00	5.97E-01	No
EAV Basin North (E-004)	14-Dec-15	3.81E+00	7.42E-01	Yes
EAV Basin South (E-003)	12-Jan-15	2.51E+00	5.17E-01	Yes
EAV Basin South (E-003)	9-Mar-15	2.86E+00	6.62E-01	Yes
EAV Basin South (E-003)	12-Oct-15	2.12E+00	6.26E-01	Yes
EAV Basin South (E-003)	9-Nov-15	2.18E+00	6.54E-01	Yes
POND 400	12-Jan-15	2.73E+00	6.88E-01	Yes
POND 400	9-Feb-15	6.76E+00	9.28E-01	Yes
POND 400	9-Mar-15	4.76E+00	7.87E-01	Yes
POND 400	13-Apr-15	4.86E+00	5.89E-01	Yes
POND 400	11-May-15	3.46E+00	7.38E-01	Yes
POND 400	8-Jun-15	4.76E+00	7.83E-01	Yes
POND 400	13-Jul-15	5.00E+00	8.08E-01	Yes
POND 400	10-Aug-15	5.59E+00	8.41E-01	Yes
POND 400	21-Sep-15	8.24E+00	1.03E+00	Yes
POND 400	12-Oct-15	6.27E+00	8.84E-01	Yes
POND 400	9-Nov-15	3.97E+00	7.67E-01	Yes
POND 400	14-Dec-15	3.35E+00	7.13E-01	Yes

Table 29 Radionuclides in Stormwater Basin Water (continued)**Radionuclide: Gross Beta (continued)**

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
SWDF Basin North (E-002)	12-Jan-15	6.16E+00	9.00E-01	Yes
SWDF Basin North (E-002)	9-Feb-15	4.22E+00	7.83E-01	Yes
SWDF Basin North (E-002)	9-Mar-15	3.70E+00	7.17E-01	Yes
SWDF Basin North (E-002)	13-Apr-15	4.59E+00	5.86E-01	Yes
SWDF Basin North (E-002)	11-May-15	2.08E+00	6.25E-01	Yes
SWDF Basin North (E-002)	8-Jun-15	1.01E+00	5.04E-01	No
SWDF Basin North (E-002)	13-Jul-15	1.09E+00	5.24E-01	No
SWDF Basin North (E-002)	10-Aug-15	5.76E+00	8.55E-01	Yes
SWDF Basin North (E-002)	21-Sep-15	9.22E+00	1.08E+00	Yes
SWDF Basin North (E-002)	12-Oct-15	8.11E+00	9.82E-01	Yes
SWDF Basin North (E-002)	9-Nov-15	4.30E+00	7.89E-01	Yes
SWDF Basin North (E-002)	14-Dec-15	5.19E+00	8.26E-01	Yes
SWDF Basin South (E-001)	12-Jan-15	4.41E+00	7.99E-01	Yes
SWDF Basin South (E-001)	9-Feb-15	4.27E+00	7.87E-01	Yes
SWDF Basin South (E-001)	9-Mar-15	3.22E+00	6.83E-01	Yes
SWDF Basin South (E-001)	13-Apr-15	3.41E+00	5.23E-01	Yes
SWDF Basin South (E-001)	11-May-15	2.95E+00	7.23E-01	Yes
SWDF Basin South (E-001)	8-Jun-15	3.78E+00	7.21E-01	Yes
SWDF Basin South (E-001)	13-Jul-15	3.11E+00	6.82E-01	Yes
SWDF Basin South (E-001)	10-Aug-15	3.76E+00	7.33E-01	Yes
SWDF Basin South (E-001)	21-Sep-15	2.47E+00	6.75E-01	Yes
SWDF Basin South (E-001)	12-Oct-15	2.86E+00	6.82E-01	Yes
SWDF Basin South (E-001)	9-Nov-15	2.70E+00	7.17E-01	Yes
SWDF Basin South (E-001)	14-Dec-15	2.97E+00	6.87E-01	Yes
Z-AREA BASIN	12-Jan-15	3.03E+00	7.16E-01	Yes
Z-AREA BASIN	9-Feb-15	1.83E+02	4.37E+00	Yes
Z-AREA BASIN	9-Mar-15	2.22E+02	5.15E+00	Yes
Z-AREA BASIN	13-Apr-15	2.28E+02	3.74E+00	Yes
Z-AREA BASIN	11-May-15	1.76E+02	4.34E+00	Yes
Z-AREA BASIN	8-Jun-15	2.01E+02	4.66E+00	Yes
Z-AREA BASIN	13-Jul-15	2.70E+02	5.36E+00	Yes
Z-AREA BASIN	10-Aug-15	2.76E+02	5.85E+00	Yes
Z-AREA BASIN	21-Sep-15	2.37E+02	5.44E+00	Yes
Z-AREA BASIN	12-Oct-15	2.53E+02	5.31E+00	Yes
Z-AREA BASIN	9-Nov-15	2.27E+02	5.24E+00	Yes
Z-AREA BASIN	14-Dec-15	1.41E+02	3.97E+00	Yes

Table 29 Radionuclides in Stormwater Basin Water (continued)

Radionuclide: Gross Alpha

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
E-05	12-Jan-15	5.11E-01	3.38E-01	No
E-05	9-Feb-15	8.43E-01	4.12E-01	No
E-05	9-Mar-15	1.34E+00	4.98E-01	Yes
E-05	8-Jun-15	5.73E-02	1.84E-01	No
E-05	12-Oct-15	6.51E-01	3.71E-01	No
E-05	9-Nov-15	1.53E+00	5.26E-01	Yes
EAV Basin North (E-004)	12-Jan-15	6.43E-01	3.58E-01	No
EAV Basin North (E-004)	9-Feb-15	1.70E-01	2.29E-01	No
EAV Basin North (E-004)	9-Mar-15	6.62E-01	3.62E-01	No
EAV Basin North (E-004)	13-Apr-15	2.17E-01	1.69E-01	No
EAV Basin North (E-004)	11-May-15	3.73E-01	2.78E-01	No
EAV Basin North (E-004)	8-Jun-15	2.17E-01	2.39E-01	No
EAV Basin North (E-004)	13-Jul-15	4.51E-02	1.86E-01	No
EAV Basin North (E-004)	10-Aug-15	1.92E-01	2.33E-01	No
EAV Basin North (E-004)	21-Sep-15	2.01E-01	2.28E-01	No
EAV Basin North (E-004)	12-Oct-15	3.19E-01	2.83E-01	No
EAV Basin North (E-004)	9-Nov-15	5.16E-01	3.19E-01	No
EAV Basin North (E-004)	14-Dec-15	7.00E-03	1.76E-01	No
EAV Basin South (E-003)	12-Jan-15	2.39E+00	4.51E-01	Yes
EAV Basin South (E-003)	9-Mar-15	1.32E+00	4.91E-01	Yes
EAV Basin South (E-003)	12-Oct-15	1.62E-01	2.35E-01	No
EAV Basin South (E-003)	9-Nov-15	3.62E-01	2.82E-01	No
POND 400	12-Jan-15	1.71E-01	2.31E-01	No
POND 400	9-Feb-15	1.74E-01	2.45E-01	No
POND 400	9-Mar-15	3.70E-01	3.07E-01	No
POND 400	13-Apr-15	4.78E-01	2.29E-01	No
POND 400	11-May-15	5.59E-01	3.39E-01	No
POND 400	8-Jun-15	5.51E-01	3.39E-01	No
POND 400	13-Jul-15	8.76E-01	4.19E-01	No
POND 400	10-Aug-15	1.98E-01	2.41E-01	No
POND 400	21-Sep-15	1.61E+00	5.54E-01	Yes
POND 400	12-Oct-15	1.66E-01	2.43E-01	No
POND 400	9-Nov-15	3.95E-02	1.69E-01	No
POND 400	14-Dec-15	7.32E-03	1.81E-01	No

Table 29 Radionuclides in Stormwater Basin Water (continued)**Radionuclide: Gross Alpha (continued)**

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
SWDF Basin North (E-002)	12-Jan-15	3.46E-01	3.00E-01	No
SWDF Basin North (E-002)	9-Feb-15	9.38E-03	1.77E-01	No
SWDF Basin North (E-002)	9-Mar-15	1.93E-01	2.45E-01	No
SWDF Basin North (E-002)	13-Apr-15	9.51E-01	3.14E-01	Yes
SWDF Basin North (E-002)	11-May-15	-1.05E-01	5.49E-02	No
SWDF Basin North (E-002)	8-Jun-15	3.95E-01	3.01E-01	No
SWDF Basin North (E-002)	13-Jul-15	2.22E-01	2.65E-01	No
SWDF Basin North (E-002)	10-Aug-15	4.24E-02	2.02E-01	No
SWDF Basin North (E-002)	21-Sep-15	1.89E+00	6.17E-01	Yes
SWDF Basin North (E-002)	12-Oct-15	6.51E-03	1.94E-01	No
SWDF Basin North (E-002)	9-Nov-15	4.11E-02	1.78E-01	No
SWDF Basin North (E-002)	14-Dec-15	-1.58E-01	9.24E-02	No
SWDF Basin South (E-001)	12-Jan-15	3.30E-01	2.83E-01	No
SWDF Basin South (E-001)	9-Feb-15	1.70E-01	2.34E-01	No
SWDF Basin South (E-001)	9-Mar-15	-1.36E-01	7.53E-02	No
SWDF Basin South (E-001)	13-Apr-15	3.03E-01	1.90E-01	No
SWDF Basin South (E-001)	11-May-15	1.35E+00	4.88E-01	Yes
SWDF Basin South (E-001)	8-Jun-15	3.78E-01	2.90E-01	No
SWDF Basin South (E-001)	13-Jul-15	-1.18E-01	9.63E-02	No
SWDF Basin South (E-001)	10-Aug-15	6.68E-01	3.61E-01	No
SWDF Basin South (E-001)	21-Sep-15	3.62E-01	2.82E-01	No
SWDF Basin South (E-001)	12-Oct-15	4.84E-01	3.29E-01	No
SWDF Basin South (E-001)	9-Nov-15	1.37E+00	5.01E-01	Yes
SWDF Basin South (E-001)	14-Dec-15	3.22E-01	2.86E-01	No
Z-AREA BASIN	12-Jan-15	4.84E-01	3.19E-01	No
Z-AREA BASIN	9-Feb-15	5.24E-01	3.94E-01	No
Z-AREA BASIN	9-Mar-15	1.31E+00	5.06E-01	Yes
Z-AREA BASIN	13-Apr-15	4.97E-01	2.80E-01	No
Z-AREA BASIN	11-May-15	1.53E+00	5.52E-01	Yes
Z-AREA BASIN	8-Jun-15	-7.43E-02	1.78E-01	No
Z-AREA BASIN	13-Jul-15	2.76E-02	2.48E-01	No
Z-AREA BASIN	10-Aug-15	1.19E-01	2.29E-01	No
Z-AREA BASIN	21-Sep-15	6.14E-01	4.17E-01	No
Z-AREA BASIN	12-Oct-15	2.50E-01	2.80E-01	No
Z-AREA BASIN	9-Nov-15	-3.11E-01	1.64E-01	No
Z-AREA BASIN	14-Dec-15	-2.78E-02	1.74E-01	No

Table 30 Radionuclides in Savannah River Site Stream Water

Stream: Tims Branch

Sample Location	Sample Date	H-3 (tritium)			Co-60		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
TB-5 Near Road C	3-Feb-15	4.22E+02	1.40E+02	Yes	-4.49E-01	2.01E+00	No
TB-5 Near Road C	3-Mar-15	4.97E+02	1.51E+02	Yes	-1.16E+00	2.02E+00	No
TB-5 Near Road C	7-Apr-15	2.73E+02	1.45E+02	No	8.00E-01	1.72E+00	No
TB-5 Near Road C	5-May-15	1.17E+02	1.51E+02	No	-1.95E+00	1.80E+00	No
TB-5 Near Road C	2-Jun-15	2.25E+02	1.45E+02	No	-1.12E+00	1.92E+00	No
TB-5 Near Road C	7-Jul-15	1.46E+02	1.52E+02	No	2.67E-01	1.86E+00	No
TB-5 Near Road C	4-Aug-15	1.67E+02	1.47E+02	No	-6.00E-01	1.93E+00	No
TB-5 Near Road C	9-Sep-15	3.62E+02	1.56E+02	No	3.59E+00	1.80E+00	No
TB-5 Near Road C	6-Oct-15	2.78E+02	1.44E+02	No	-2.45E+00	2.12E+00	No
TB-5 Near Road C	3-Nov-15	1.46E+02	1.40E+02	No	-9.92E-01	1.45E+00	No
TB-5 Near Road C	8-Dec-15	-9.19E+01	1.34E+02	No	7.43E-01	1.82E+00	No
TB-5 Near Road C	5-Jan-16	1.32E+02	1.43E+02	No	-2.84E-01	1.91E+00	No

Table 30 Radionuclides in Savannah River Site Stream Water (continued)**Stream: Tims Branch (continued)**

Sample Location	Sample Date	Cs-137			Gross Beta		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
TB-5 Near Road C	3-Feb-15	9.62E-01	2.19E+00	No	1.42E+00	1.84E-01	Yes
TB-5 Near Road C	3-Mar-15	6.78E-01	2.09E+00	No	1.26E+00	2.14E-01	Yes
TB-5 Near Road C	7-Apr-15	-1.48E+00	2.16E+00	No	1.15E+00	2.11E-01	Yes
TB-5 Near Road C	5-May-15	1.05E+00	2.20E+00	No	1.67E+00	1.71E-01	Yes
TB-5 Near Road C	2-Jun-15	7.62E-01	2.07E+00	No	1.81E+00	2.08E-01	Yes
TB-5 Near Road C	7-Jul-15	7.59E-01	1.99E+00	No	1.19E+00	2.07E-01	Yes
TB-5 Near Road C	4-Aug-15	6.81E-01	2.11E+00	No	3.68E+00	2.69E-01	Yes
TB-5 Near Road C	9-Sep-15	-1.98E+00	2.25E+00	No	1.65E+00	2.00E-01	Yes
TB-5 Near Road C	6-Oct-15	-9.08E-02	2.17E+00	No	1.80E+00	2.07E-01	Yes
TB-5 Near Road C	3-Nov-15	-1.80E+00	2.14E+00	No	1.50E+00	2.02E-01	Yes
TB-5 Near Road C	8-Dec-15	7.22E-01	2.25E+00	No	2.47E+00	2.35E-01	Yes
TB-5 Near Road C	5-Jan-16	4.92E-01	2.26E+00	No	2.19E+00	2.16E-01	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)**Stream: Tims Branch (continued)**

Sample Location	Sample Date	Gross Alpha		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant
TB-5 Near Road C	3-Feb-15	9.62E-01	1.62E-01	Yes
TB-5 Near Road C	3-Mar-15	1.82E+00	2.13E-01	Yes
TB-5 Near Road C	7-Apr-15	2.38E+00	2.42E-01	Yes
TB-5 Near Road C	5-May-15	2.81E+00	1.85E-01	Yes
TB-5 Near Road C	2-Jun-15	2.41E+00	2.41E-01	Yes
TB-5 Near Road C	7-Jul-15	1.79E+00	2.15E-01	Yes
TB-5 Near Road C	4-Aug-15	6.57E+00	4.10E-01	Yes
TB-5 Near Road C	9-Sep-15	2.16E+00	2.29E-01	Yes
TB-5 Near Road C	6-Oct-15	1.66E+00	2.08E-01	Yes
TB-5 Near Road C	3-Nov-15	1.08E+00	1.71E-01	Yes
TB-5 Near Road C	8-Dec-15	2.49E+00	2.54E-01	Yes
TB-5 Near Road C	5-Jan-16	1.69E+00	2.04E-01	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)**Stream: Tims Branch (continued)**

Location	Radionuclide	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
TB-5 Near Road C	Sr-89/90	20-Jan-15	2.52E-02	1.92E-01	No
TB-5 Near Road C	I-129	20-Jan-15	-4.51E-01	2.94E-01	No
TB-5 Near Road C	U-234	20-Jan-15	3.54E-01	3.60E-02	Yes
TB-5 Near Road C	U-235	20-Jan-15	2.32E-02	7.85E-03	Yes
TB-5 Near Road C	U-238	20-Jan-15	4.49E-01	4.18E-02	Yes
TB-5 Near Road C	Pu-238	20-Jan-15	5.54E-04	2.01E-03	No
TB-5 Near Road C	Pu-239	20-Jan-15	-1.65E-06	1.16E-04	No
TB-5 Near Road C	Am-241	20-Jan-15	1.45E-02	5.58E-03	Yes
TB-5 Near Road C	Cm-244	20-Jan-15	1.73E-03	1.97E-03	No
TB-5 Near Road C	Tc-99	20-Jan-15	3.41E-01	7.63E-01	No

Table 30 Radionuclides in Savannah River Site Stream Water

Stream: Upper Three Runs

Sample Location	Sample Date	H-3 (tritium)			Co-60		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Crouch Branch at Road 4	3-Feb-15	6.46E+03	2.70E+02	Yes	-3.14E+00	2.39E+00	No
	3-Mar-15	4.76E+03	2.42E+02	Yes	-9.14E-01	1.83E+00	No
	7-Apr-15	5.19E+03	2.47E+02	Yes	8.95E-01	2.13E+00	No
	5-May-15	3.95E+03	2.32E+02	Yes	5.22E-01	2.20E+00	No
	2-Jun-15	4.70E+03	2.44E+02	Yes	-2.81E+00	1.88E+00	No
	7-Jul-15	5.41E+03	2.65E+02	Yes	-5.35E-01	2.11E+00	No
	4-Aug-15	4.92E+03	2.48E+02	Yes	3.78E+00	2.10E+00	No
	9-Sep-15	3.54E+03	2.24E+02	Yes	1.69E+00	1.67E+00	No
	6-Oct-15	2.54E+03	2.05E+02	Yes	-3.38E+00	1.94E+00	No
	3-Nov-15	2.78E+03	2.01E+02	Yes	-1.18E+00	2.05E+00	No
	8-Dec-15	2.70E+03	2.14E+02	Yes	-5.19E-01	2.16E+00	No
	5-Jan-16	5.49E+03	2.60E+02	Yes	5.65E-01	1.82E+00	No
F-01	7-Apr-15	8.81E+02	1.53E+02	Yes	1.85E+00	2.15E+00	No
	5-May-15	1.42E+03	1.67E+02	Yes	2.73E+00	2.47E+00	No
	7-Jul-15	-6.65E+01	1.34E+02	No	-2.92E+00	2.15E+00	No
	6-Oct-15	6.62E+02	1.54E+02	Yes	7.43E-02	1.82E+00	No
	3-Nov-15	1.26E+03	1.58E+02	Yes	1.31E+00	1.90E+00	No
	8-Dec-15	2.45E+02	1.48E+02	No	1.82E+00	1.83E+00	No
U3R-1A Treadway Bridge RD 8-1	3-Feb-15	2.07E+02	1.27E+02	No	-1.02E+00	2.25E+00	No
	3-Mar-15	1.32E+02	1.35E+02	No	-1.78E+00	2.76E+00	No
	7-Apr-15	1.55E+02	1.30E+02	No	1.91E+00	2.12E+00	No
	5-May-15	5.68E+01	1.32E+02	No	-3.70E+00	1.89E+00	No
	2-Jun-15	9.30E+01	1.28E+02	No	-1.79E+00	2.34E+00	No
	7-Jul-15	-2.95E+01	1.34E+02	No	-1.98E-01	1.86E+00	No
	4-Aug-15	-1.13E+01	1.32E+02	No	-2.12E+00	1.72E+00	No
	9-Sep-15	-8.22E+01	1.42E+02	No	-9.97E-02	2.12E+00	No
	6-Oct-15	-1.44E+01	1.26E+02	No	-3.65E+00	8.16E+00	No
	3-Nov-15	1.65E+02	1.36E+02	No	2.25E-01	1.95E+00	No
	8-Dec-15	-9.78E+01	1.35E+02	No	1.88E+00	1.87E+00	No
	5-Jan-16	-3.65E+00	1.25E+02	No	1.92E+00	2.00E+00	No

Table 30 Radionuclides in Savannah River Site Stream Water

Stream: Upper Three Runs (continued)

Sample Location	Sample Date	H-3 (tritium)			Co-60		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2 F Storm Sewer	3-Feb-15	4.59E+03	2.32E+02	Yes	-5.57E-01	1.97E+00	No
	3-Mar-15	8.05E+02	1.56E+02	Yes	4.41E+00	1.83E+00	No
	7-Apr-15	4.49E+02	1.40E+02	Yes	1.29E+00	2.73E+00	No
	5-May-15	1.48E+03	1.74E+02	Yes	-1.36E+00	2.27E+00	No
	2-Jun-15	3.19E+02	1.37E+02	No	1.38E+00	1.82E+00	No
	7-Jul-15	-3.11E+01	1.34E+02	No	3.24E+00	2.41E+00	No
	9-Sep-15	2.15E+02	1.54E+02	No	6.57E+00	2.06E+00	No
	6-Oct-15	-2.76E+01	1.20E+02	No	-1.65E+00	1.66E+00	No
	3-Nov-15	4.54E+02	1.40E+02	Yes	8.41E-01	1.91E+00	No
	8-Dec-15	-1.31E+02	1.32E+02	No	1.63E+00	1.74E+00	No
	5-Jan-16	2.34E+03	1.92E+02	Yes	-6.59E-01	2.02E+00	No
U3R-3 at Road C	3-Feb-15	6.00E+02	1.46E+02	Yes	8.14E-01	1.83E+00	No
	3-Mar-15	7.05E+02	1.55E+02	Yes	-9.51E-01	1.94E+00	No
	7-Apr-15	5.97E+02	1.50E+02	Yes	9.59E-01	1.70E+00	No
	5-May-15	2.58E+02	1.47E+02	No	4.24E+00	2.02E+00	No
	2-Jun-15	4.51E+02	1.43E+02	Yes	-8.57E-01	2.41E+00	No
	7-Jul-15	6.68E+02	1.58E+02	Yes	1.47E+00	2.11E+00	No
	4-Aug-15	7.24E+02	1.58E+02	Yes	-2.14E+00	1.72E+00	No
	9-Sep-15	9.24E+02	1.76E+02	Yes	1.51E+00	1.81E+00	No
	6-Oct-15	4.03E+02	1.37E+02	Yes	-1.06E+00	1.99E+00	No
	3-Nov-15	5.73E+02	1.51E+02	Yes	-1.65E-01	2.11E+00	No
	8-Dec-15	3.16E+02	1.59E+02	No	1.85E+00	2.06E+00	No
	5-Jan-16	4.89E+02	1.49E+02	Yes	-2.70E-01	2.18E+00	No
U3R-4 at Road A	3-Feb-15	8.92E+02	1.56E+02	Yes	9.86E-01	2.30E+00	No
	3-Mar-15	8.78E+01	1.34E+02	No	3.24E+00	2.36E+00	No
	7-Apr-15	9.08E+02	1.60E+02	Yes	1.29E+00	2.15E+00	No
	5-May-15	4.41E+02	1.54E+02	Yes	2.95E-01	1.89E+00	No
	2-Jun-15	4.46E+02	1.45E+02	Yes	1.01E+00	2.43E+00	No
	7-Jul-15	8.86E+02	1.69E+02	Yes	1.27E+00	1.91E+00	No
	4-Aug-15	1.10E+03	1.69E+02	Yes	1.14E+00	1.99E+00	No
	9-Sep-15	9.54E+02	1.73E+02	Yes	-2.14E+00	2.37E+00	No
	6-Oct-15	5.76E+02	1.46E+02	Yes	1.47E+00	1.89E+00	No
	3-Nov-15	8.46E+02	1.60E+02	Yes	-5.08E-01	1.71E+00	No
	8-Dec-15	4.73E+02	1.51E+02	Yes	3.03E+00	2.13E+00	No
	5-Jan-16	5.35E+02	1.53E+02	Yes	2.92E+00	2.41E+00	No

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Upper Three Runs (continued)

Sample Location	Sample Date	Cs-137			Gross Beta		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Crouch Branch at Road 4	3-Feb-15	3.00E-01	2.39E+00	No	1.71E+00	1.94E-01	Yes
	3-Mar-15	-6.51E-01	2.14E+00	No	1.08E+00	1.92E-01	Yes
	7-Apr-15	-1.71E+00	2.20E+00	No	1.11E+00	1.82E-01	Yes
	5-May-15	-3.22E-01	2.38E+00	No	1.53E+00	1.94E-01	Yes
	2-Jun-15	1.48E+00	2.12E+00	No	6.00E-01	1.58E-01	Yes
	7-Jul-15	-6.76E-01	2.64E+00	No	1.06E+00	1.75E-01	Yes
	4-Aug-15	-4.00E+00	2.14E+00	No	1.09E+00	1.75E-01	Yes
	9-Sep-15	3.81E+00	2.04E+00	No	1.53E+00	1.92E-01	Yes
	6-Oct-15	1.27E+00	2.24E+00	No	1.49E+00	1.93E-01	Yes
	3-Nov-15	-2.59E-01	2.03E+00	No	9.03E-01	1.71E-01	Yes
	8-Dec-15	8.70E-01	2.19E+00	No	7.70E-01	1.74E-01	Yes
	5-Jan-16	-9.73E-01	1.89E+00	No	9.92E-01	1.71E-01	Yes
F-01	7-Apr-15	1.30E+00	2.26E+00	No	1.98E+00	2.11E-01	Yes
	5-May-15	2.22E+00	2.31E+00	No	5.54E+00	3.07E-01	Yes
	7-Jul-15	1.00E+00	2.55E+00	No	Result not reported		
	6-Oct-15	-1.54E+00	2.04E+00	No	1.20E+01	6.40E-01	Yes
	3-Nov-15	-4.00E-02	2.07E+00	No	2.32E+00	2.21E-01	Yes
	8-Dec-15	2.86E+00	2.11E+00	No	3.43E+00	2.60E-01	Yes
U3R-1A Treadway Bridge RD 8-1	3-Feb-15	-6.86E-01	2.67E+00	No	5.43E+00	3.76E-01	Yes
	3-Mar-15	-1.85E+00	2.44E+00	No	1.34E+00	2.34E-01	Yes
	7-Apr-15	3.81E-01	2.12E+00	No	1.28E+00	2.27E-01	Yes
	5-May-15	-2.97E-01	2.23E+00	No	3.05E+00	2.45E-01	Yes
	2-Jun-15	-1.05E+00	2.48E+00	No	3.62E+00	2.61E-01	Yes
	7-Jul-15	1.01E+00	2.15E+00	No	2.14E+00	1.62E-01	Yes
	4-Aug-15	4.19E-01	2.05E+00	No	2.40E+00	2.27E-01	Yes
	9-Sep-15	4.92E+00	2.17E+00	No	2.81E+00	2.39E-01	Yes
	6-Oct-15	-6.86E+00	6.30E+00	No	2.41E+00	2.31E-01	Yes
	3-Nov-15	-1.64E-01	2.21E+00	No	3.57E+00	2.69E-01	Yes
	8-Dec-15	-1.05E+00	2.10E+00	No	2.29E+00	2.29E-01	Yes
	5-Jan-16	-3.19E+00	2.21E+00	No	2.78E+00	2.38E-01	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Upper Three Runs (continued)

Sample Location	Sample Date	Cs-137			Gross Beta		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2 F Storm Sewer	3-Feb-15	-1.67E+00	2.10E+00	No	3.62E+00	2.55E-01	Yes
	3-Mar-15	1.84E+00	2.43E+00	No	3.41E+00	7.06E-01	Yes
	7-Apr-15	-5.65E+00	2.55E+00	No	2.64E+00	2.44E-01	Yes
	5-May-15	-1.04E+00	2.45E+00	No	2.49E+00	2.29E-01	Yes
	2-Jun-15	9.19E-01	2.15E+00	No	5.24E+00	5.50E-01	Yes
	7-Jul-15	-9.73E-01	2.50E+00	No	3.46E+00	3.97E-01	Yes
	9-Sep-15	2.29E+00	2.18E+00	No	7.70E+00	1.15E+00	Yes
	6-Oct-15	3.22E+00	2.33E+00	No	7.65E+00	5.34E-01	Yes
	3-Nov-15	-1.70E+00	2.22E+00	No	3.95E+00	2.74E-01	Yes
	8-Dec-15	3.19E-01	2.13E+00	No	1.53E+00	2.11E-01	Yes
	5-Jan-16	-3.35E-01	2.11E+00	No	3.24E+00	2.48E-01	Yes
U3R-3 at Road C	3-Feb-15	-2.43E-01	2.16E+00	No	1.03E+00	1.71E-01	Yes
	3-Mar-15	2.03E+00	2.15E+00	No	8.68E-01	2.03E-01	Yes
	7-Apr-15	-8.97E-01	2.13E+00	No	8.49E-01	1.91E-01	Yes
	5-May-15	-3.00E+00	2.22E+00	No	1.53E+00	1.91E-01	Yes
	2-Jun-15	-1.08E-01	2.34E+00	No	2.21E+00	2.15E-01	Yes
	7-Jul-15	-1.02E+00	2.37E+00	No	1.66E+00	1.50E-01	Yes
	4-Aug-15	7.89E-01	1.92E+00	No	2.34E+00	2.25E-01	Yes
	9-Sep-15	9.35E-01	2.19E+00	No	2.50E+00	2.31E-01	Yes
	6-Oct-15	-1.42E+00	2.16E+00	No	2.01E+00	2.15E-01	Yes
	3-Nov-15	-2.21E+00	2.08E+00	No	1.11E+00	1.89E-01	Yes
	8-Dec-15	6.49E-01	2.07E+00	No	1.20E+00	2.05E-01	Yes
	5-Jan-16	-5.62E-01	1.98E+00	No	1.37E+00	1.89E-01	Yes
U3R-4 at Road A	3-Feb-15	-3.73E+00	2.58E+00	No	2.45E+00	2.26E-01	Yes
	3-Mar-15	-1.94E+00	2.38E+00	No	3.68E+00	3.34E-01	Yes
	7-Apr-15	-2.31E+00	2.54E+00	No	1.14E+00	2.13E-01	Yes
	5-May-15	1.01E+00	2.15E+00	No	1.32E+00	1.83E-01	Yes
	2-Jun-15	-3.95E-01	2.33E+00	No	3.22E+00	2.51E-01	Yes
	7-Jul-15	6.35E-01	1.92E+00	No	7.97E+00	3.70E-01	Yes
	4-Aug-15	-1.77E-01	2.31E+00	No	2.32E+00	2.25E-01	Yes
	9-Sep-15	-3.54E+00	2.01E+00	No	8.54E+00	3.81E-01	Yes
	6-Oct-15	1.48E+00	1.89E+00	No	4.14E+00	2.82E-01	Yes
	3-Nov-15	8.95E-01	2.19E+00	No	1.34E+00	1.98E-01	Yes
	8-Dec-15	-1.52E+00	1.67E+00	No	9.38E-01	1.97E-01	Yes
	5-Jan-16	1.32E+00	2.06E+00	No	2.78E+00	2.37E-01	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Upper Three Runs (continued)

Sample Location	Sample Date	Gross Alpha		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Crouch Branch at Road 4	3-Feb-15	2.19E-01	9.21E-02	Yes
	3-Mar-15	5.11E-01	1.20E-01	Yes
	7-Apr-15	1.62E-01	7.68E-02	No
	5-May-15	2.01E-01	8.47E-02	Yes
	2-Jun-15	1.26E-01	7.13E-02	No
	7-Jul-15	4.30E-01	1.15E-01	Yes
	4-Aug-15	2.34E-01	9.09E-02	Yes
	9-Sep-15	5.76E-01	1.27E-01	Yes
	6-Oct-15	3.49E-01	1.07E-01	Yes
	3-Nov-15	1.53E-01	8.04E-02	No
	8-Dec-15	4.57E-01	1.20E-01	Yes
	5-Jan-16	3.32E-01	9.74E-02	Yes
F-01	7-Apr-15	9.08E-01	1.56E-01	Yes
	5-May-15	6.84E-01	1.50E-01	Yes
	7-Jul-15	Result not reported		
	6-Oct-15	4.32E+00	4.99E-01	Yes
	3-Nov-15	5.00E-01	1.21E-01	Yes
	8-Dec-15	1.59E+00	2.11E-01	Yes
U3R-1A Treadway Bridge RD 8-1	3-Feb-15	1.00E+01	5.00E-01	Yes
	3-Mar-15	3.38E+00	2.87E-01	Yes
	7-Apr-15	3.38E+00	2.83E-01	Yes
	5-May-15	5.89E+00	3.76E-01	Yes
	2-Jun-15	5.81E+00	3.76E-01	Yes
	7-Jul-15	3.97E+00	2.18E-01	Yes
	4-Aug-15	3.05E+00	2.77E-01	Yes
	9-Sep-15	3.70E+00	2.95E-01	Yes
	6-Oct-15	4.41E+00	3.29E-01	Yes
	3-Nov-15	5.41E+00	3.58E-01	Yes
	8-Dec-15	2.62E+00	2.52E-01	Yes
	5-Jan-16	4.41E+00	3.21E-01	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Upper Three Runs (continued)

Sample Location	Sample Date	Gross Alpha		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2 F Storm Sewer	3-Feb-15	1.79E+00	2.15E-01	Yes
	3-Mar-15	6.46E-01	3.55E-01	No
	7-Apr-15	1.29E+00	1.86E-01	Yes
	5-May-15	8.89E-01	1.69E-01	Yes
	2-Jun-15	2.64E+00	5.04E-01	Yes
	7-Jul-15	7.76E-01	2.15E-01	Yes
	9-Sep-15	1.15E+01	1.41E+00	Yes
	6-Oct-15	4.84E+00	4.94E-01	Yes
	3-Nov-15	2.51E+00	2.51E-01	Yes
	8-Dec-15	8.78E-01	1.53E-01	Yes
	5-Jan-16	2.62E+00	2.50E-01	Yes
U3R-3 at Road C	3-Feb-15	1.47E+00	1.96E-01	Yes
	3-Mar-15	1.93E+00	2.19E-01	Yes
	7-Apr-15	1.56E+00	1.96E-01	Yes
	5-May-15	2.65E+00	2.56E-01	Yes
	2-Jun-15	3.11E+00	2.80E-01	Yes
	7-Jul-15	2.51E+00	1.77E-01	Yes
	4-Aug-15	3.27E+00	2.86E-01	Yes
	9-Sep-15	4.30E+00	3.20E-01	Yes
	6-Oct-15	2.62E+00	2.56E-01	Yes
	3-Nov-15	1.51E+00	1.96E-01	Yes
	8-Dec-15	1.24E+00	1.76E-01	Yes
	5-Jan-16	2.15E+00	2.25E-01	Yes
U3R-4 at Road A	3-Feb-15	4.38E+00	3.28E-01	Yes
	3-Mar-15	8.68E+00	4.64E-01	Yes
	7-Apr-15	2.55E+00	2.50E-01	Yes
	5-May-15	2.22E+00	2.38E-01	Yes
	2-Jun-15	6.22E+00	3.95E-01	Yes
	7-Jul-15	1.48E+01	6.01E-01	Yes
	4-Aug-15	4.27E+00	3.21E-01	Yes
	9-Sep-15	1.33E+01	5.87E-01	Yes
	6-Oct-15	6.92E+00	4.17E-01	Yes
	3-Nov-15	1.76E+00	2.12E-01	Yes
	8-Dec-15	1.32E+00	1.82E-01	Yes
	5-Jan-16	3.92E+00	3.06E-01	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)**Stream: Upper Three Runs (continued)**

Location	Sample Date	Sr-89/90			I-129		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Crouch Branch at Road 4	20-Jan-15	-4.27E-02	1.75E-01	No	1.45E-01	2.63E-01	No
F-01	19-Mar-15	8.32E-02	1.75E-01	No	-1.25E-01	2.44E-01	No
U3R-1A Treadway Bridge RD 8-1	20-Jan-15	1.82E-01	1.94E-01	No	1.32E-01	2.44E-01	No
U3R-2 F Storm Sewer	19-Mar-15	1.46E-01	1.96E-01	No	6.49E-01	2.52E-01	No
U3R-3 at Road C	20-Jan-15	-1.19E-01	1.74E-01	No	7.95E-02	2.34E-01	No
U3R-4 at Road A	20-Jan-15	1.56E-01	1.91E-01	No	-1.52E-02	2.95E-01	No

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Upper Three Runs (continued)

Location	Sample Date	U-234			U-235		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Crouch Branch at Road 4	20-Jan-15	1.61E-02	7.73E-03	Yes	1.09E-02	5.54E-03	No
F-01	19-Mar-15	5.70E-02	1.07E-02	Yes	1.38E-03	3.52E-03	No
U3R-1A Treadway Bridge RD 8-1	20-Jan-15	2.47E-02	6.92E-03	Yes	8.70E-03	4.43E-03	Yes
U3R-2 F Storm Sewer	19-Mar-15	3.73E-01	3.66E-02	Yes	2.50E-02	7.49E-03	Yes
U3R-3 at Road C	20-Jan-15	4.30E-02	9.44E-03	Yes	2.09E-03	2.13E-03	No
U3R-4 at Road A	20-Jan-15	3.65E-02	8.76E-03	Yes	4.86E-03	3.90E-03	No
	3-Feb-15	1.56E-01	2.65E-02	Yes	8.41E-03	6.00E-03	No
	3-Mar-15	3.00E-01	3.93E-02	Yes	2.57E-02	1.07E-02	Yes
	7-Apr-15	4.86E-02	1.46E-02	Yes	1.75E-02	8.88E-03	No
	5-May-15	8.24E-01	7.59E-02	Yes	3.11E-02	1.20E-02	Yes
	2-Jun-15	9.54E-01	8.21E-02	Yes	7.59E-02	1.83E-02	Yes
	7-Jul-15	1.18E+00	9.63E-02	Yes	3.73E-02	1.31E-02	Yes
	4-Aug-15	8.16E-01	7.34E-02	Yes	3.73E-02	1.31E-02	Yes
	9-Sep-15	2.73E-01	3.45E-02	Yes	1.31E-02	8.40E-03	No
	6-Oct-15	1.51E-01	2.55E-02	Yes	1.16E-02	6.83E-03	No
	3-Nov-15	3.00E-01	3.85E-02	Yes	2.28E-02	1.06E-02	No
	8-Dec-15	5.38E-02	1.59E-02	Yes	1.69E-02	8.72E-03	No
	5-Jan-16	1.57E-01	2.60E-02	Yes	1.00E-02	8.07E-03	No

Stream: Upper Three Runs (continued)

Location	Sample Date	Np-237		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant
U3R-2 F Storm Sewer	19-Mar-15	3.11E-03	2.22E-03	No

Table 30 Radionuclides in Savannah River Site Stream Water (continued)**Stream: Upper Three Runs (continued)**

Location	Sample Date	U-238		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Crouch Branch at Road 4	20-Jan-15	5.14E-03	4.13E-03	No
F-01	19-Mar-15	6.41E-02	1.14E-02	Yes
U3R-1A Treadway Bridge RD 8-1	20-Jan-15	3.35E-02	7.99E-03	Yes
U3R-2 F Storm Sewer	19-Mar-15	5.62E-01	4.96E-02	Yes
U3R-3 at Road C	20-Jan-15	3.46E-02	8.28E-03	Yes
U3R-4 at Road A	20-Jan-15	3.19E-02	8.24E-03	Yes
U3R-4 at Road A	3-Feb-15	1.31E-01	2.33E-02	Yes
U3R-4 at Road A	3-Mar-15	3.05E-01	3.90E-02	Yes
U3R-4 at Road A	7-Apr-15	5.78E-02	1.54E-02	Yes
U3R-4 at Road A	5-May-15	9.59E-01	8.32E-02	Yes
U3R-4 at Road A	2-Jun-15	1.08E+00	8.84E-02	Yes
U3R-4 at Road A	7-Jul-15	1.27E+00	9.89E-02	Yes
U3R-4 at Road A	4-Aug-15	8.95E-01	7.72E-02	Yes
U3R-4 at Road A	9-Sep-15	3.03E-01	3.64E-02	Yes
U3R-4 at Road A	6-Oct-15	1.38E-01	2.50E-02	Yes
U3R-4 at Road A	3-Nov-15	3.35E-01	4.25E-02	Yes
U3R-4 at Road A	8-Dec-15	7.89E-02	1.86E-02	Yes
U3R-4 at Road A	5-Jan-16	2.05E-01	2.99E-02	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)**Stream: Upper Three Runs (continued)**

Location	Sample Date	Pu-238			Pu-239		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Crouch Branch at Road 4	20-Jan-15	-5.97E-04	2.20E-03	No	2.38E-03	2.81E-03	No
F-01	19-Mar-15	8.11E-03	4.60E-03	Yes	4.62E-03	3.87E-03	No
U3R-1A Treadway Bridge RD 8-1	20-Jan-15	2.20E-03	2.59E-03	No	3.30E-03	2.36E-03	No
U3R-2 F Storm Sewer	19-Mar-15	1.08E-02	4.26E-03	Yes	8.70E-03	4.48E-03	No
U3R-3 at Road C	20-Jan-15	1.63E-03	1.64E-03	No	1.63E-03	1.65E-03	No
U3R-4 at Road A	20-Jan-15	0.00E+00	2.01E-03	No	5.46E-03	3.49E-03	No

Stream: Upper Three Runs (continued)

Location	Sample Date	Am-241			Cm-244		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Crouch Branch at Road 4	20-Jan-15	1.28E-02	5.28E-03	Yes	1.21E-02	4.64E-03	Yes
F-01	19-Mar-15	8.70E-03	4.10E-03	Yes	3.43E-03	2.47E-03	No
U3R-1A Treadway Bridge RD 8-1	20-Jan-15	-1.10E-03	1.26E-03	No	-1.08E-03	1.09E-03	No
U3R-2 F Storm Sewer	19-Mar-15	3.08E-03	2.21E-03	No	3.05E-03	2.17E-03	No
U3R-3 at Road C	20-Jan-15	9.49E-03	4.05E-03	Yes	1.10E-02	4.20E-03	Yes
U3R-4 at Road A	20-Jan-15	9.14E-03	4.55E-03	Yes	4.54E-03	3.80E-03	No

Table 30 Radionuclides in Savannah River Site Stream Water (continued)**Stream: Upper Three Runs (continued)**

Location	Sample Date	Tc-99		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Crouch Branch at Road 4	20-Jan-15	7.30E-01	7.75E-01	No
F-01	19-Mar-15	3.51E+00	1.05E+00	Yes
U3R-1A Treadway Bridge RD 8-1	20-Jan-15	6.30E-01	7.68E-01	No
U3R-2 F Storm Sewer	19-Mar-15	5.84E-01	7.83E-01	No
U3R-3 at Road C	20-Jan-15	1.57E+00	8.09E-01	No
U3R-4 at Road A	20-Jan-15	5.49E-01	7.70E-01	No

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Four Mile Creek

Sample Location	Sample Date	H-3 (tritium)			Co-60		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-2 at Road 4	3-Feb-15	1.92E+03	1.89E+02	Yes	-4.84E+00	2.33E+00	No
	3-Mar-15	2.04E+03	2.09E+02	Yes	2.59E-01	1.98E+00	No
	7-Apr-15	1.05E+03	1.68E+02	Yes	-2.65E+00	2.47E+00	No
	5-May-15	8.70E+02	1.76E+02	Yes	2.18E+00	1.93E+00	No
	2-Jun-15	2.20E+03	2.04E+02	Yes	-1.98E+00	1.90E+00	No
	7-Jul-15	3.51E+03	2.49E+02	Yes	4.62E+00	2.11E+00	No
	4-Aug-15	4.08E+03	2.52E+02	Yes	3.84E+00	1.82E+00	No
	9-Sep-15	3.46E+03	2.30E+02	Yes	1.90E+00	2.03E+00	No
	6-Oct-15	2.57E+03	2.24E+02	Yes	1.19E+00	1.89E+00	No
	3-Nov-15	2.56E+03	2.21E+02	Yes	6.00E-02	1.76E+00	No
	8-Dec-15	1.29E+03	1.89E+02	Yes	-2.14E-01	1.85E+00	No
	5-Jan-16	1.17E+03	1.75E+02	Yes	9.68E-01	2.14E+00	No
FM-2B Above F-Area Effluent	3-Feb-15	1.20E+04	3.68E+02	Yes	7.89E-01	2.00E+00	No
	3-Mar-15	1.43E+04	4.05E+02	Yes	3.49E+00	2.16E+00	No
	7-Apr-15	1.25E+04	3.86E+02	Yes	-2.17E+00	2.89E+00	No
	5-May-15	1.17E+04	3.97E+02	Yes	-3.11E+00	2.45E+00	No
	2-Jun-15	2.05E+04	4.78E+02	Yes	3.86E+00	2.50E+00	No
	7-Jul-15	2.25E+04	5.05E+02	Yes	7.24E-01	2.32E+00	No
	4-Aug-15	2.22E+04	5.01E+02	Yes	-3.89E+00	2.04E+00	No
	9-Sep-15	2.55E+04	5.17E+02	Yes	5.49E-01	2.13E+00	No
	6-Oct-15	2.10E+04	4.77E+02	Yes	6.30E+00	2.14E+00	No
	3-Nov-15	1.98E+04	4.62E+02	Yes	7.30E-01	1.80E+00	No
	8-Dec-15	1.33E+04	3.91E+02	Yes	-6.49E-01	1.99E+00	No
	5-Jan-16	1.46E+04	4.13E+02	Yes	1.29E-01	2.00E+00	No
FM-3A Below F-Area Effluent	3-Feb-15	7.35E+05	2.59E+03	Yes	2.38E+00	2.34E+00	No
	3-Mar-15	7.49E+05	2.60E+03	Yes	6.68E-01	1.88E+00	No
	7-Apr-15	8.51E+05	2.78E+03	Yes	1.07E+00	2.24E+00	No
	5-May-15	7.92E+05	2.69E+03	Yes	1.25E+00	1.93E+00	No
	2-Jun-15	1.03E+06	3.05E+03	Yes	1.16E+00	2.30E+00	No
	7-Jul-15	7.38E+05	2.61E+03	Yes	2.53E+00	1.83E+00	No

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Four Mile Creek (continued)

Sample Location	Sample Date	H-3 (tritium)			Co-60		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-3A Below F- Area Effluent	4-Aug-15	6.68E+05	2.48E+03	Yes	1.76E-01	1.85E+00	No
	9-Sep-15	6.59E+05	2.47E+03	Yes	4.62E+00	2.11E+00	No
	6-Oct-15	6.51E+05	2.39E+03	Yes	8.84E-02	1.97E+00	No
	3-Nov-15	5.22E+05	2.23E+03	Yes	3.41E-01	1.78E+00	No
	8-Dec-15	7.78E+05	2.68E+03	Yes	9.22E-01	2.18E+00	No
	5-Jan-16	6.05E+05	2.38E+03	Yes	2.52E-01	2.01E+00	No
FM-6 at Road A- 12.2	3-Feb-15	2.58E+04	5.10E+02	Yes	-3.95E+00	2.29E+00	No
	3-Mar-15	2.73E+04	5.18E+02	Yes	4.03E+00	1.87E+00	No
	7-Apr-15	2.61E+04	5.16E+02	Yes	-3.14E+00	1.96E+00	No
	5-May-15	2.31E+04	4.98E+02	Yes	-1.56E-01	1.98E+00	No
	2-Jun-15	2.95E+04	5.43E+02	Yes	-3.92E+00	1.84E+00	No
	7-Jul-15	2.57E+04	5.11E+02	Yes	-2.06E+00	2.00E+00	No
	4-Aug-15	3.05E+04	5.55E+02	Yes	1.78E+00	1.86E+00	No
	9-Sep-15	2.97E+04	5.50E+02	Yes	-3.46E+00	1.99E+00	No
	6-Oct-15	2.41E+04	4.84E+02	Yes	2.67E+00	2.02E+00	No
	3-Nov-15	3.14E+04	5.69E+02	Yes	2.25E+00	1.86E+00	No
	8-Dec-15	2.24E+04	4.78E+02	Yes	-8.84E-01	1.94E+00	No
	5-Jan-16	2.43E+04	4.97E+02	Yes	9.43E-01	1.94E+00	No
FM-A7 at Road A-7	3-Feb-15	3.78E+04	6.17E+02	Yes	-7.32E-01	2.46E+00	No
	3-Mar-15	4.22E+04	6.53E+02	Yes	1.34E+00	1.82E+00	No
	7-Apr-15	3.70E+04	6.20E+02	Yes	-1.54E+00	2.40E+00	No
	5-May-15	3.43E+04	6.12E+02	Yes	2.09E+00	1.85E+00	No
	2-Jun-15	5.03E+04	7.13E+02	Yes	-2.76E+00	2.37E+00	No
	7-Jul-15	4.49E+04	6.69E+02	Yes	-1.03E+00	2.00E+00	No
	4-Aug-15	4.43E+04	6.61E+02	Yes	6.92E-01	1.78E+00	No
	9-Sep-15	4.78E+04	6.91E+02	Yes	2.06E+00	1.71E+00	No
	6-Oct-15	4.57E+04	6.56E+02	Yes	1.16E+00	2.31E+00	No
	3-Nov-15	4.43E+04	6.77E+02	Yes	7.19E-01	1.90E+00	No
	8-Dec-15	3.30E+04	5.83E+02	Yes	9.62E+00	2.42E+00	Yes
	5-Jan-16	3.38E+04	5.87E+02	Yes	4.51E+00	2.12E+00	No

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Four Mile Creek (continued)

Sample Location	Sample Date	Cs-137			Gross Beta		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-2 at Road 4	3-Feb-15	1.06E+00	2.32E+00	No	3.76E+00	2.58E-01	Yes
	3-Mar-15	-2.69E+00	2.22E+00	No	5.51E+00	3.19E-01	Yes
	7-Apr-15	4.14E+00	2.54E+00	No	1.36E+00	2.00E-01	Yes
	5-May-15	-1.81E+00	2.12E+00	No	2.23E+00	2.11E-01	Yes
	2-Jun-15	4.84E+00	2.28E+00	No	5.27E+00	3.00E-01	Yes
	7-Jul-15	7.54E+00	2.69E+00	No	6.51E+00	3.24E-01	Yes
	4-Aug-15	8.73E-01	2.35E+00	No	1.10E+01	4.08E-01	Yes
	9-Sep-15	6.86E+00	2.33E+00	No	8.41E+00	3.63E-01	Yes
	6-Oct-15	2.70E+00	2.29E+00	No	6.70E+00	3.32E-01	Yes
	3-Nov-15	3.43E+00	2.13E+00	No	5.05E+00	2.96E-01	Yes
	8-Dec-15	2.58E+00	2.17E+00	No	3.30E+00	2.54E-01	Yes
	5-Jan-16	5.14E-01	2.13E+00	No	2.02E+00	2.09E-01	Yes
FM-2B Above F-Area Effluent	3-Feb-15	-2.05E+00	2.50E+00	No	6.89E+00	3.31E-01	Yes
	3-Mar-15	1.89E+00	2.16E+00	No	6.65E+00	3.40E-01	Yes
	7-Apr-15	1.64E+00	2.73E+00	No	7.27E+00	3.50E-01	Yes
	5-May-15	6.24E+00	2.57E+00	No	9.05E+00	3.75E-01	Yes
	2-Jun-15	6.97E+00	2.56E+00	No	8.65E+00	3.68E-01	Yes
	7-Jul-15	3.05E+00	2.35E+00	No	8.19E+00	3.58E-01	Yes
	4-Aug-15	-1.67E+00	2.19E+00	No	9.16E+00	3.76E-01	Yes
	9-Sep-15	4.68E+00	2.23E+00	No	9.86E+00	3.91E-01	Yes
	6-Oct-15	-1.94E+00	2.40E+00	No	7.89E+00	3.57E-01	Yes
	3-Nov-15	3.35E+00	2.32E+00	No	9.54E+00	3.87E-01	Yes
	8-Dec-15	2.25E-01	2.06E+00	No	7.62E+00	3.52E-01	Yes
	5-Jan-16	3.97E+00	2.13E+00	No	7.73E+00	3.48E-01	Yes
FM-3A Below F-Area Effluent	3-Feb-15	-7.78E-01	2.39E+00	No	2.36E+00	2.18E-01	Yes
	3-Mar-15	3.54E-02	2.17E+00	No	2.55E+00	2.54E-01	Yes
	7-Apr-15	3.59E+00	2.59E+00	No	2.11E+00	2.25E-01	Yes
	5-May-15	2.97E-01	2.17E+00	No	2.62E+00	2.24E-01	Yes
	2-Jun-15	1.99E+00	2.35E+00	No	2.65E+00	2.26E-01	Yes
	7-Jul-15	7.03E-01	2.03E+00	No	3.03E+00	2.55E-01	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Four Mile Creek (continued)

Sample Location	Sample Date	Cs-137			Gross Beta		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-3A Below F- Area Effluent	4-Aug-15	-1.65E+00	1.97E+00	No	2.12E+00	2.14E-01	Yes
	9-Sep-15	4.11E+00	2.13E+00	No	3.51E+00	2.56E-01	Yes
	6-Oct-15	-9.62E-01	2.24E+00	No	2.37E+00	2.24E-01	Yes
	3-Nov-15	-3.49E-01	2.19E+00	No	4.24E+00	2.78E-01	Yes
	8-Dec-15	-1.32E+00	2.08E+00	No	5.65E+00	3.19E-01	Yes
	5-Jan-16	1.59E+00	2.11E+00	No	1.72E+01	5.18E-01	Yes
FM-6 at Road A-12.2	3-Feb-15	1.60E+00	2.33E+00	No	6.00E+00	3.13E-01	Yes
	3-Mar-15	6.97E-01	2.07E+00	No	6.57E+00	3.50E-01	Yes
	7-Apr-15	-3.43E-01	2.04E+00	No	3.95E+00	2.70E-01	Yes
	5-May-15	-1.81E+00	2.08E+00	No	3.68E+00	1.94E-01	Yes
	2-Jun-15	2.33E+00	2.13E+00	No	5.35E+00	3.03E-01	Yes
	7-Jul-15	-1.28E+00	2.49E+00	No	4.00E+00	1.95E-01	Yes
	4-Aug-15	2.76E+00	2.32E+00	No	2.97E+00	2.40E-01	Yes
	9-Sep-15	-7.51E-01	1.94E+00	No	4.16E+00	2.70E-01	Yes
	6-Oct-15	2.48E+00	2.15E+00	No	6.92E+00	3.41E-01	Yes
	3-Nov-15	1.60E+00	1.92E+00	No	4.08E+00	2.74E-01	Yes
	8-Dec-15	1.39E+00	2.14E+00	No	5.49E+00	3.12E-01	Yes
	5-Jan-16	4.89E+00	2.10E+00	No	4.08E+00	2.67E-01	Yes
FM-A7 at Road A-7	3-Feb-15	1.76E+00	2.52E+00	No	6.68E+00	3.28E-01	Yes
	3-Mar-15	3.43E+00	2.27E+00	No	8.27E+00	3.74E-01	Yes
	7-Apr-15	6.30E+00	2.76E+00	No	8.57E+00	3.87E-01	Yes
	5-May-15	8.16E+00	3.43E+00	No	1.23E+01	3.35E-01	Yes
	2-Jun-15	1.21E+00	2.70E+00	No	1.52E+01	4.86E-01	Yes
	7-Jul-15	8.51E-01	2.10E+00	No	7.41E+00	3.54E-01	Yes
	4-Aug-15	2.18E+00	2.20E+00	No	6.92E+00	3.38E-01	Yes
	9-Sep-15	-1.42E+00	2.03E+00	No	6.81E+00	3.32E-01	Yes
	6-Oct-15	-4.89E-02	2.17E+00	No	6.19E+00	3.23E-01	Yes
	3-Nov-15	5.05E-01	2.13E+00	No	9.92E+00	3.96E-01	Yes
	8-Dec-15	3.49E+00	2.11E+00	No	7.27E+00	3.45E-01	Yes
	5-Jan-16	5.89E+00	2.27E+00	No	1.21E+01	4.32E-01	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Four Mile Creek (continued)

Sample Location	Sample Date	Gross Alpha		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-2 at Road 4	3-Feb-15	7.86E-01	1.53E-01	Yes
	3-Mar-15	1.34E+00	1.90E-01	Yes
	7-Apr-15	8.41E-01	1.50E-01	Yes
	5-May-15	6.70E-01	1.39E-01	Yes
	2-Jun-15	1.50E+00	2.02E-01	Yes
	7-Jul-15	4.30E-01	1.20E-01	Yes
	4-Aug-15	6.24E-01	1.38E-01	Yes
	9-Sep-15	1.17E+00	1.81E-01	Yes
	6-Oct-15	3.95E-01	1.17E-01	Yes
	3-Nov-15	2.70E-01	1.03E-01	Yes
	8-Dec-15	4.24E-01	1.20E-01	Yes
	5-Jan-16	6.70E-01	1.36E-01	Yes
FM-2B Above F-Area Effluent	3-Feb-15	6.03E-01	1.37E-01	Yes
	3-Mar-15	9.65E-01	1.65E-01	Yes
	7-Apr-15	1.25E+00	1.84E-01	Yes
	5-May-15	1.04E+00	1.68E-01	Yes
	2-Jun-15	1.23E+00	1.88E-01	Yes
	7-Jul-15	3.51E-01	1.11E-01	Yes
	4-Aug-15	9.16E-01	1.64E-01	Yes
	9-Sep-15	1.77E+00	2.24E-01	Yes
	6-Oct-15	8.62E-01	1.61E-01	Yes
	3-Nov-15	4.95E-01	1.28E-01	Yes
	8-Dec-15	3.54E-01	1.19E-01	Yes
	5-Jan-16	1.07E+00	1.69E-01	Yes
FM-3A Below F-Area Effluent	3-Feb-15	1.25E+00	1.86E-01	Yes
	3-Mar-15	2.01E+00	2.28E-01	Yes
	7-Apr-15	9.46E-01	1.59E-01	Yes
	5-May-15	9.03E-01	1.59E-01	Yes
	2-Jun-15	1.52E+00	2.03E-01	Yes
	7-Jul-15	1.25E+00	1.89E-01	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Four Mile Creek (continued)

Sample Location	Sample Date	Gross Alpha		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-3A Below F-Area Effluent	4-Aug-15	4.89E-01	1.29E-01	Yes
	9-Sep-15	1.97E+00	2.26E-01	Yes
	6-Oct-15	9.05E-01	1.60E-01	Yes
	3-Nov-15	1.92E+00	2.27E-01	Yes
	8-Dec-15	6.49E+00	4.02E-01	Yes
	5-Jan-16	1.99E+01	7.24E-01	Yes
FM-6 at Road A-12.2	3-Feb-15	1.55E+00	2.08E-01	Yes
	3-Mar-15	2.73E+00	2.76E-01	Yes
	7-Apr-15	4.35E-01	1.15E-01	Yes
	5-May-15	7.22E-01	1.01E-01	Yes
	2-Jun-15	2.36E+00	2.53E-01	Yes
	7-Jul-15	1.05E+00	1.24E-01	Yes
	4-Aug-15	2.65E-01	1.06E-01	Yes
	9-Sep-15	6.92E-01	1.46E-01	Yes
	6-Oct-15	3.59E+00	3.11E-01	Yes
	3-Nov-15	4.57E-01	1.25E-01	Yes
	8-Dec-15	5.32E-01	1.26E-01	Yes
	5-Jan-16	5.73E-01	1.26E-01	Yes
FM-A7 at Road A-7	3-Feb-15	1.08E+00	1.79E-01	Yes
	3-Mar-15	1.15E+00	1.85E-01	Yes
	7-Apr-15	3.30E+00	3.00E-01	Yes
	5-May-15	7.35E+00	3.20E-01	Yes
	2-Jun-15	8.51E+00	5.18E-01	Yes
	7-Jul-15	1.17E+00	1.96E-01	Yes
	4-Aug-15	3.84E-01	1.30E-01	Yes
	9-Sep-15	4.00E-01	1.26E-01	Yes
	6-Oct-15	7.68E-01	1.60E-01	Yes
	3-Nov-15	1.56E+00	2.16E-01	Yes
	8-Dec-15	3.49E-01	1.17E-01	Yes
	5-Jan-16	5.49E+00	3.88E-01	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Four Mile Creek (continued)

Location	Sample Date	Sr-89/90			I-129		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-2 at Road 4	3-Feb-15	1.00E+00	2.60E-01	Yes	-6.62E-02	2.66E-01	No
	3-Mar-15	5.59E-01	2.32E-01	No	4.97E-01	3.09E-01	No
	7-Apr-15	1.03E-01	1.75E-01	No	1.77E-01	2.44E-01	No
	5-May-15	4.08E-01	2.16E-01	No	1.08E-01	2.40E-01	No
	2-Jun-15	1.44E+00	3.24E-01	Yes	5.97E-01	2.78E-01	No
	7-Jul-15	1.54E+00	3.14E-01	Yes	-2.05E-01	3.35E-01	No
	4-Aug-15	1.10E+00	2.70E-01	Yes	1.69E+00	6.35E-01	No
	9-Sep-15	1.60E+00	2.86E-01	Yes	2.33E-01	3.12E-01	No
	6-Oct-15	5.78E-01	2.39E-01	No	5.65E-02	2.72E-01	No
	3-Nov-15	9.57E-01	2.50E-01	Yes	-3.49E-01	2.99E-01	No
	8-Dec-15	7.27E-01	1.76E-01	Yes	-1.55E-01	2.62E-01	No
	5-Jan-16	9.86E-03	1.98E-01	No	-1.32E-01	2.72E-01	No
FM-2B Above F-Area Effluent	3-Feb-15	1.38E+00	2.90E-01	Yes	2.18E-01	2.78E-01	No
	3-Mar-15	1.24E+00	2.91E-01	Yes	1.05E+00	5.60E-01	No
	7-Apr-15	1.46E+00	2.87E-01	Yes	8.03E-01	3.40E-01	No
	5-May-15	1.67E+00	2.99E-01	Yes	4.62E-01	2.49E-01	No
	2-Jun-15	2.76E+00	3.86E-01	Yes	1.22E+00	5.32E-01	No
	7-Jul-15	2.04E+00	3.30E-01	Yes	1.28E+00	5.16E-01	No
	4-Aug-15	3.27E+00	4.29E-01	Yes	1.45E+00	7.85E-01	No
	9-Sep-15	2.89E+00	3.59E-01	Yes	3.38E-01	3.01E-01	No
	6-Oct-15	1.69E+00	3.07E-01	Yes	5.62E-01	2.59E-01	No
	3-Nov-15	1.66E+00	2.91E-01	Yes	9.16E-01	4.49E-01	No
	8-Dec-15	1.74E+00	2.39E-01	Yes	4.24E-01	2.60E-01	No
	5-Jan-16	2.04E+00	3.44E-01	Yes	-2.14E-01	3.40E-01	No

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Four Mile Creek (continued)

Location	Sample Date	Sr-89/90			I-129		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-3A Below F-Area Effluent	3-Feb-15	1.09E+00	2.72E-01	Yes	5.19E-01	2.85E-01	No
	3-Mar-15	6.22E-01	2.44E-01	No	6.41E-01	3.03E-01	No
	7-Apr-15	6.54E-01	2.23E-01	Yes	-6.38E-02	2.39E-01	No
	5-May-15	8.68E-01	2.41E-01	Yes	5.38E-01	2.41E-01	No
	2-Jun-15	9.76E-02	2.11E-01	No	6.76E-01	3.15E-01	No
	7-Jul-15	5.92E-01	2.47E-01	No	-4.24E-03	2.72E-01	No
	4-Aug-15	6.46E-01	2.52E-01	No	-8.24E-02	2.95E-01	No
	9-Sep-15	7.54E-01	2.26E-01	Yes	1.93E-01	2.62E-01	No
	6-Oct-15	2.97E-01	2.11E-01	No	9.95E-01	5.62E-01	No
	3-Nov-15	6.19E-01	2.21E-01	Yes	-1.65E-01	2.49E-01	No
	8-Dec-15	1.02E+00	1.90E-01	Yes	3.70E-01	2.70E-01	No
	5-Jan-16	1.44E+00	3.00E-01	Yes	2.20E-01	2.77E-01	No
FM-6 at Road A-12.2	20-Jan-15	1.02E+00	2.68E-01	Yes	2.27E-01	2.55E-01	No
FM-A7 at Road A-7	22-Jan-15	1.95E+00	3.52E-01	Yes	1.21E+00	3.64E-01	Yes
	3-Feb-15	4.14E+00	4.63E-01	Yes	7.65E-01	4.76E-01	No
	3-Mar-15	3.68E+00	4.28E-01	Yes	1.44E+00	4.26E-01	Yes
	7-Apr-15	2.38E+00	3.61E-01	Yes	1.46E+00	3.43E-01	Yes
	5-May-15	2.63E+00	3.60E-01	Yes	2.17E+00	5.05E-01	Yes
	2-Jun-15	2.42E+00	3.70E-01	Yes	1.56E+00	3.97E-01	Yes
	7-Jul-15	2.37E+00	3.61E-01	Yes	1.22E+00	6.69E-01	No
	4-Aug-15	2.54E+00	3.84E-01	Yes	3.46E+00	6.54E-01	Yes
	9-Sep-15	1.98E+00	3.02E-01	Yes	2.92E+00	5.57E-01	Yes
	6-Oct-15	1.56E+00	2.99E-01	Yes	4.59E-01	2.97E-01	No
	3-Nov-15	2.34E+00	3.38E-01	Yes	2.46E+00	4.97E-01	Yes
	8-Dec-15	1.87E+00	2.41E-01	Yes	3.27E+00	6.52E-01	Yes
	5-Jan-16	2.78E+00	3.74E-01	Yes	1.84E+00	8.13E-01	No

Table 30 Radionuclides in Savannah River Site Stream Water (continued)**Stream: Four Mile Creek (continued)**

Location	Sample Date	U-234			U-235		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-2 at Road 4	22-Jan-15	1.85E-02	6.32E-03	Yes	-3.92E-06	2.46E-04	No
FM-2B Above F-Area Effluent	22-Jan-15	1.14E-02	4.81E-03	No	-2.34E-03	3.58E-03	No
FM-3A Below F-Area Effluent	22-Jan-15	3.19E-02	8.00E-03	Yes	-3.92E-06	2.48E-04	No
FM-3A Below F-Area Effluent	5-Jan-16	1.28E+00	1.33E-01	Yes	7.27E-02	2.81E-02	Yes
FM-6 at Road A-12.2	20-Jan-15	7.38E-02	1.31E-02	Yes	9.32E-03	4.77E-03	No
FM-A7 at Road A-7	22-Jan-15	1.72E-01	2.17E-02	Yes	1.18E-02	5.71E-03	No

Stream: Four Mile Creek (continued)

Location	Sample Date	U-238		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-2 at Road 4	22-Jan-15	1.67E-02	5.94E-03	Yes
FM-2B Above F-Area Effluent	22-Jan-15	1.01E-02	4.89E-03	No
FM-3A Below F-Area Effluent	22-Jan-15	2.84E-02	7.41E-03	Yes
FM-3A Below F-Area Effluent	5-Jan-16	1.22E+00	1.26E-01	Yes
FM-6 at Road A-12.2	20-Jan-15	4.35E-02	9.59E-03	Yes
FM-A7 at Road A-7	22-Jan-15	2.20E-01	2.52E-02	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Four Mile Creek (continued)

Location	Sample Date	Pu-238			Pu-239		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-2 at Road 4	22-Jan-15	7.27E-02	1.28E-02	Yes	5.59E-03	3.28E-03	No
FM-2B Above F-Area Effluent	22-Jan-15	4.14E-02	8.96E-03	Yes	5.73E-03	3.67E-03	No
FM-3A Below F-Area Effluent	22-Jan-15	3.19E-03	2.27E-03	No	2.12E-03	2.50E-03	No
FM-3A Below F-Area Effluent	5-Jan-16	1.90E-01	4.55E-02	Yes	4.03E-02	2.25E-02	No
FM-6 at Road A-12.2	20-Jan-15	3.35E-03	2.39E-03	No	2.78E-03	3.33E-03	No
FM-A7 at Road A-7	22-Jan-15	6.59E-02	1.23E-02	Yes	1.08E-02	4.49E-03	Yes

Stream: Four Mile Creek (continued)

Location	Sample Date	Am-241			Cm-244		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-2 at Road 4	22-Jan-15	3.22E-02	8.07E-03	Yes	2.36E-03	2.77E-03	No
FM-2B Above F-Area Effluent	22-Jan-15	7.86E-03	4.37E-03	No	0.00E+00	2.19E-03	No
FM-3A Below F-Area Effluent	22-Jan-15	1.20E-02	4.75E-03	Yes	1.02E-02	4.22E-03	Yes
FM-3A Below F-Area Effluent	5-Jan-16	1.78E-01	4.24E-02	Yes	2.51E-01	5.06E-02	Yes
FM-6 at Road A-12.2	20-Jan-15	1.04E-02	4.65E-03	Yes	8.14E-03	3.67E-03	Yes
FM-A7 at Road A-7	22-Jan-15	1.80E-02	5.96E-03	Yes	1.25E-02	4.78E-03	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Four Mile Creek (continued)

Location	Sample Date	Tc-99		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-2 at Road 4	3-Feb-15	3.00E+00	7.80E-01	Yes
	3-Mar-15	4.19E-01	7.70E-01	No
	7-Apr-15	1.25E-01	7.74E-01	No
	5-May-15	6.92E-02	7.31E-01	No
	2-Jun-15	-1.81E-01	7.56E-01	No
	7-Jul-15	6.65E-01	7.52E-01	No
	4-Aug-15	1.30E+00	3.69E-01	No
	9-Sep-15	-2.78E-01	7.80E-01	No
	6-Oct-15	2.21E-01	7.60E-01	No
	3-Nov-15	2.23E+00	1.21E+00	No
	8-Dec-15	3.73E+00	8.59E-01	Yes
	5-Jan-16	1.93E+00	7.49E-01	No
FM-2B Above F-Area Effluent	3-Feb-15	2.34E+00	7.66E-01	Yes
	3-Mar-15	1.29E+00	7.79E-01	No
	7-Apr-15	3.73E-01	7.78E-01	No
	5-May-15	1.85E+00	7.69E-01	No
	2-Jun-15	4.51E+00	8.24E-01	Yes
	7-Jul-15	1.59E+00	7.63E-01	No
	4-Aug-15	1.56E+00	7.64E-01	No
	9-Sep-15	4.16E-01	7.77E-01	No
	6-Oct-15	1.46E+00	7.77E-01	No
	3-Nov-15	1.03E+00	8.14E-01	No
	8-Dec-15	1.51E+00	7.51E-01	No
	5-Jan-16	2.70E+00	7.65E-01	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Four Mile Creek (continued)

Location	Sample Date	Tc-99		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant
FM-3A Below F-Area Effluent	3-Feb-15	1.87E+00	7.61E-01	No
	3-Mar-15	2.78E-01	7.65E-01	No
	7-Apr-15	1.11E+00	7.88E-01	No
	5-May-15	3.73E-01	7.33E-01	No
	2-Jun-15	8.57E-01	7.67E-01	No
	7-Jul-15	1.10E+00	7.73E-01	No
	4-Aug-15	1.45E+00	7.57E-01	No
	9-Sep-15	5.51E-01	7.75E-01	No
	6-Oct-15	1.35E+00	7.79E-01	No
	3-Nov-15	2.78E+00	8.72E-01	Yes
	8-Dec-15	3.38E+00	8.19E-01	Yes
	5-Jan-16	4.32E+00	6.44E-01	No
FM-6 at Road A-12.2	20-Jan-15	-2.76E-01	7.59E-01	No
FM-A7 at Road A-7	22-Jan-15	-6.19E-01	7.56E-01	No
	3-Feb-15	2.78E+00	7.84E-01	Yes
	3-Mar-15	2.22E+00	7.95E-01	Yes
	7-Apr-15	1.14E+00	7.90E-01	No
	5-May-15	1.70E+00	7.49E-01	No
	2-Jun-15	4.51E+00	8.26E-01	Yes
	7-Jul-15	1.38E-01	7.44E-01	No
	4-Aug-15	3.54E+00	7.89E-01	Yes
	9-Sep-15	1.90E+00	8.00E-01	No
	6-Oct-15	1.40E+00	7.82E-01	No
	3-Nov-15	2.04E+00	8.30E-01	No
	8-Dec-15	2.42E+00	7.67E-01	Yes
	5-Jan-16	3.24E+00	8.25E-01	Yes

Table 30 Radionuclides in Savannah River Site Stream Water

Stream: Pen Branch

Sample Location	Sample Date	H-3 (tritium)			Co-60		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
PB-3 at Road A-13.2	3-Feb-15	9.46E+03	3.29E+02	Yes	1.59E+00	2.08E+00	No
	3-Mar-15	8.97E+03	3.22E+02	Yes	-8.81E-02	2.36E+00	No
	7-Apr-15	9.05E+03	3.27E+02	Yes	-8.81E-01	1.91E+00	No
	5-May-15	9.76E+03	3.47E+02	Yes	1.25E+00	2.20E+00	No
	2-Jun-15	1.82E+04	4.32E+02	Yes	1.13E+00	1.95E+00	No
	7-Jul-15	1.63E+04	4.14E+02	Yes	-1.87E+00	2.23E+00	No
	4-Aug-15	2.12E+04	4.63E+02	Yes	-7.35E-02	2.03E+00	No
	9-Sep-15	2.20E+04	4.77E+02	Yes	-5.46E-01	2.05E+00	No
	6-Oct-15	1.41E+04	3.80E+02	Yes	2.92E-01	2.01E+00	No
	3-Nov-15	1.51E+04	4.05E+02	Yes	1.39E+00	1.78E+00	No
	8-Dec-15	8.70E+03	3.20E+02	Yes	-1.82E+00	2.08E+00	No
	5-Jan-16	1.02E+04	3.47E+02	Yes	-4.43E-01	2.01E+00	No

Stream: Pen Branch (continued)

Sample Location	Sample Date	Cs-137			Gross Beta		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
PB-3 at Road A-13.2	3-Feb-15	-5.05E-01	2.25E+00	No	1.11E+00	1.72E-01	Yes
	3-Mar-15	-4.35E+00	2.51E+00	No	1.08E+00	1.94E-01	Yes
	7-Apr-15	6.30E-01	2.10E+00	No	1.10E+00	1.81E-01	Yes
	5-May-15	3.14E-01	2.23E+00	No	8.86E-01	1.62E-01	Yes
	2-Jun-15	1.14E+00	2.12E+00	No	9.32E-01	1.74E-01	Yes
	7-Jul-15	1.42E+00	2.08E+00	No	9.38E-01	1.71E-01	Yes
	4-Aug-15	3.54E+00	2.10E+00	No	8.19E-01	1.66E-01	Yes
	9-Sep-15	1.33E+00	1.98E+00	No	8.57E-01	1.68E-01	Yes
	6-Oct-15	2.42E+00	2.16E+00	No	3.38E+00	2.08E-01	Yes
	3-Nov-15	-2.45E+00	2.21E+00	No	9.35E-01	1.82E-01	Yes
	8-Dec-15	-1.16E+00	2.14E+00	No	1.11E+00	1.88E-01	Yes
	5-Jan-16	-1.11E+00	1.98E+00	No	1.03E+00	1.74E-01	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Pen Branch (continued)

Sample Location	Sample Date	Gross Alpha		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant
PB-3 at Road A-13.2	3-Feb-15	2.35E-01	9.82E-02	Yes
	3-Mar-15	6.62E-01	1.41E-01	Yes
	7-Apr-15	8.59E-01	1.55E-01	Yes
	5-May-15	6.19E-01	1.37E-01	Yes
	2-Jun-15	5.65E-01	1.30E-01	Yes
	7-Jul-15	5.35E-01	1.31E-01	Yes
	4-Aug-15	4.49E-01	1.20E-01	Yes
	9-Sep-15	5.38E-01	1.32E-01	Yes
	6-Oct-15	5.35E+00	2.91E-01	Yes
	3-Nov-15	5.22E-01	1.33E-01	Yes
	8-Dec-15	1.40E-01	7.74E-02	No
	5-Jan-16	4.86E-01	1.19E-01	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)**Stream: Pen Branch (continued)**

Location	Radionuclide	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
PB-3 at Road A- 13.2	Sr-89/90	20-Jan-15	6.49E-02	1.95E-01	No
	I-129	20-Jan-15	-1.63E-01	2.42E-01	No
	U-234	20-Jan-15	3.00E-02	8.09E-03	Yes
	U-235	20-Jan-15	6.03E-03	5.06E-03	No
	U-238	20-Jan-15	2.38E-02	6.86E-03	Yes
	Pu-238	20-Jan-15	1.64E-03	1.65E-03	No
	Pu-239	20-Jan-15	3.84E-03	3.07E-03	No
	Am-241	20-Jan-15	9.41E-03	4.83E-03	Yes
	Cm-244	20-Jan-15	6.59E-03	3.32E-03	No
	Tc-99	20-Jan-15	3.86E-01	7.71E-01	No

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Steel Creek

Sample Location	Sample Date	H-3 (tritium)			Co-60		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
SC-2A 1 mile above Road B	3-Feb-15	8.41E+04	8.92E+02	Yes	1.28E+00	2.35E+00	No
	3-Mar-15	7.27E+04	8.16E+02	Yes	4.41E-01	2.29E+00	No
	7-Apr-15	6.41E+04	7.78E+02	Yes	-3.05E-01	1.88E+00	No
	5-May-15	6.22E+04	7.83E+02	Yes	-1.25E-01	1.83E+00	No
	2-Jun-15	7.78E+04	8.54E+02	Yes	-8.81E-01	1.90E+00	No
	7-Jul-15	8.41E+04	8.67E+02	Yes	-3.24E+00	1.96E+00	No
	4-Aug-15	9.46E+04	9.48E+02	Yes	-3.54E-01	1.72E+00	No
	9-Sep-15	9.43E+04	9.48E+02	Yes	2.09E+00	2.03E+00	No
	6-Oct-15	7.89E+04	8.31E+02	Yes	1.18E+00	1.93E+00	No
	3-Nov-15	8.38E+04	8.96E+02	Yes	7.97E-01	1.96E+00	No
	8-Dec-15	6.65E+04	7.87E+02	Yes	-2.20E+00	2.14E+00	No
	5-Jan-16	6.78E+04	7.96E+02	Yes	-8.43E-01	2.11E+00	No
SC-4 Steel Creek at Road A	3-Feb-15	1.94E+03	1.81E+02	Yes	-1.40E+00	2.31E+00	No
	3-Mar-15	1.42E+03	1.75E+02	Yes	-6.59E-01	1.86E+00	No
	7-Apr-15	1.94E+03	1.86E+02	Yes	-4.11E+00	1.90E+00	No
	5-May-15	1.61E+03	1.84E+02	Yes	1.63E+00	1.78E+00	No
	2-Jun-15	2.43E+03	1.98E+02	Yes	5.22E-01	1.58E+00	No
	7-Jul-15	2.02E+03	1.92E+02	Yes	-5.05E-02	2.50E+00	No
	4-Aug-15	2.97E+03	2.09E+02	Yes	-4.51E-01	1.80E+00	No
	9-Sep-15	2.32E+03	2.06E+02	Yes	-3.14E+00	1.83E+00	No
	6-Oct-15	1.74E+03	1.78E+02	Yes	-2.25E+00	1.82E+00	No
	3-Nov-15	1.60E+03	1.78E+02	Yes	4.97E+00	2.40E+00	No
	8-Dec-15	1.58E+03	1.80E+02	Yes	-4.19E-01	1.82E+00	No
	5-Jan-16	1.83E+03	1.83E+02	Yes	2.20E-01	1.79E+00	No

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Steel Creek (continued)

Sample Location	Sample Date	Cs-137			Gross Beta		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
SC-2A 1 mile above Road B	3-Feb-15	3.49E+00	2.53E+00	No	2.19E+00	2.12E-01	Yes
	3-Mar-15	3.89E-02	2.25E+00	No	3.92E+00	2.90E-01	Yes
	7-Apr-15	4.08E+00	2.36E+00	No	7.97E+00	4.08E-01	Yes
	5-May-15	1.59E+01	3.41E+00	Yes	9.51E+01	8.00E-01	Yes
	2-Jun-15	5.19E+00	2.20E+00	No	3.76E+00	2.63E-01	Yes
	7-Jul-15	2.73E+00	2.06E+00	No	3.92E+00	2.65E-01	Yes
	4-Aug-15	1.47E+00	2.16E+00	No	2.78E+00	2.33E-01	Yes
	9-Sep-15	4.19E+00	2.16E+00	No	4.81E+00	2.89E-01	Yes
	6-Oct-15	2.08E+00	2.26E+00	No	3.03E+00	2.59E-01	Yes
	3-Nov-15	2.81E+00	2.26E+00	No	4.38E+00	2.86E-01	Yes
	8-Dec-15	-9.35E-01	2.02E+00	No	2.31E+00	2.32E-01	Yes
	5-Jan-16	7.22E+00	2.70E+00	No	5.54E+00	3.05E-01	Yes
SC-4 Steel Creek at Road A	3-Feb-15	-3.97E-02	2.50E+00	No	1.18E+00	1.75E-01	Yes
	3-Mar-15	-9.38E-01	1.86E+00	No	9.54E-01	1.87E-01	Yes
	7-Apr-15	4.65E-01	2.19E+00	No	1.39E+00	1.90E-01	Yes
	5-May-15	3.84E+00	1.99E+00	No	5.38E+00	4.34E-01	Yes
	2-Jun-15	-3.84E+00	2.04E+00	No	1.83E+00	2.07E-01	Yes
	7-Jul-15	6.86E-01	2.49E+00	No	1.29E+00	1.39E-01	Yes
	4-Aug-15	5.41E-02	2.05E+00	No	1.58E+00	1.96E-01	Yes
	9-Sep-15	-2.32E+00	2.01E+00	No	1.01E+00	1.74E-01	Yes
	6-Oct-15	-6.76E-02	1.95E+00	No	6.41E-01	1.61E-01	Yes
	3-Nov-15	-6.05E-01	2.14E+00	No	7.30E-01	1.73E-01	Yes
	8-Dec-15	1.48E+00	2.08E+00	No	1.18E+00	1.93E-01	Yes
	5-Jan-16	-5.57E-01	1.91E+00	No	1.17E+00	1.78E-01	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Steel Creek (continued)

Sample Location	Sample Date	Gross Alpha		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant
SC-2A 1 mile above Road B	3-Feb-15	1.32E+00	1.89E-01	Yes
	3-Mar-15	2.25E+00	2.44E-01	Yes
	7-Apr-15	8.73E+00	4.79E-01	Yes
	5-May-15	1.13E+02	1.36E+00	Yes
	2-Jun-15	1.78E+00	2.12E-01	Yes
	7-Jul-15	1.29E+00	1.86E-01	Yes
	4-Aug-15	4.78E-01	1.20E-01	Yes
	9-Sep-15	1.88E+00	2.23E-01	Yes
	6-Oct-15	1.30E+00	1.84E-01	Yes
	3-Nov-15	3.03E+00	2.77E-01	Yes
	8-Dec-15	5.92E-01	1.29E-01	Yes
	5-Jan-16	1.99E+00	2.25E-01	Yes
SC-4 Steel Creek at Road A	3-Feb-15	4.97E-01	1.29E-01	Yes
	3-Mar-15	4.30E-01	1.18E-01	Yes
	7-Apr-15	3.38E-01	1.05E-01	Yes
	5-May-15	5.19E+00	4.29E-01	Yes
	2-Jun-15	1.01E+00	1.69E-01	Yes
	7-Jul-15	2.25E-01	7.62E-02	Yes
	4-Aug-15	2.25E-01	1.04E-01	Yes
	9-Sep-15	4.08E-01	1.17E-01	Yes
	6-Oct-15	2.97E-01	1.05E-01	Yes
	3-Nov-15	3.16E-01	1.11E-01	Yes
	8-Dec-15	2.78E-01	9.97E-02	Yes
	5-Jan-16	2.35E-01	8.88E-02	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)**Stream: Steel Creek (continued)**

Location	Radionuclide	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
SC-2A 1 mile above Road B	Sr-89/90	22-Jan-15	4.84E-01	2.38E-01	No
	Sr-89/90	5-May-15	2.68E+00	7.51E-01	Yes
SC-4 Steel Creek at Road A	Sr-89/90	20-Jan-15	1.87E-01	2.16E-01	No
SC-2A 1 mile above Road B	I-129	22-Jan-15	-1.26E-01	2.41E-01	No
SC-4 Steel Creek at Road A	I-129	20-Jan-15	-2.21E-02	2.40E-01	No
SC-2A 1 mile above Road B	U-234	22-Jan-15	2.62E-02	7.71E-03	Yes
	U-234	5-May-15	6.16E+00	4.43E-01	Yes
SC-4 Steel Creek at Road A	U-234	20-Jan-15	1.44E-02	5.65E-03	Yes
SC-2A 1 mile above Road B	U-235	22-Jan-15	7.30E-04	2.67E-03	No
	U-235	5-May-15	3.65E-01	6.47E-02	Yes
SC-4 Steel Creek at Road A	U-235	20-Jan-15	5.46E-03	4.56E-03	No
SC-2A 1 mile above Road B	U-238	22-Jan-15	1.78E-02	5.83E-03	Yes
	U-238	5-May-15	4.78E+00	3.45E-01	Yes
SC-4 Steel Creek at Road A	U-238	20-Jan-15	8.27E-03	3.78E-03	No
SC-2A 1 mile above Road B	Pu-238	22-Jan-15	1.80E-03	1.80E-03	No
	Pu-238	5-May-15	1.51E-02	1.07E-02	No
SC-4 Steel Creek at Road A	Pu-238	20-Jan-15	0.00E+00	2.16E-03	No
SC-2A 1 mile above Road B	Pu-239	22-Jan-15	2.39E-03	2.82E-03	No
	Pu-239	5-May-15	4.49E-02	1.90E-02	Yes
SC-4 Steel Creek at Road A	Pu-239	20-Jan-15	5.51E-03	3.53E-03	No
SC-2A 1 mile above Road B	Am-241	22-Jan-15	5.00E-03	3.02E-03	No
	Am-241	5-May-15	1.71E-01	4.13E-02	Yes
SC-4 Steel Creek at Road A	Am-241	20-Jan-15	9.86E-03	4.21E-03	Yes
SC-2A 1 mile above Road B	Cm-244	22-Jan-15	1.66E-03	2.07E-03	No
	Cm-244	5-May-15	5.43E-02	2.38E-02	Yes
SC-4 Steel Creek at Road A	Cm-244	20-Jan-15	6.51E-03	3.28E-03	No
SC-2A 1 mile above Road B	Tc-99	22-Jan-15	1.11E+00	7.45E-01	No
	Tc-99	5-May-15	2.24E+00	1.25E+00	No
SC-4 Steel Creek at Road A	Tc-99	20-Jan-15	1.46E+00	7.84E-01	No

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Lower Three Runs Creek

Sample Location	Sample Date	H-3 (tritium)			Co-60		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
L3R-1A at Road B	3-Feb-15	5.49E+02	1.37E+02	Yes	3.86E+00	2.35E+00	No
	3-Mar-15	3.70E+02	1.40E+02	No	2.45E+00	1.98E+00	No
	7-Apr-15	2.92E+02	1.33E+02	No	-1.09E+00	1.83E+00	No
	5-May-15	2.10E+02	1.35E+02	No	-9.03E-02	2.65E+00	No
	2-Jun-15	4.59E+02	1.39E+02	Yes	-9.89E-01	2.48E+00	No
	7-Jul-15	2.59E+02	1.42E+02	No	-2.03E+00	2.17E+00	No
	4-Aug-15	6.95E+02	1.49E+02	Yes	9.78E-01	2.06E+00	No
	9-Sep-15	2.68E+02	1.52E+02	No	2.76E+00	2.23E+00	No
	6-Oct-15	2.33E+02	1.35E+02	No	-2.18E+00	1.92E+00	No
	3-Nov-15	1.15E+02	1.27E+02	No	7.38E-01	2.01E+00	No
	9-Dec-15	3.70E+02	1.36E+02	Yes	-7.89E-01	1.98E+00	No
	5-Jan-16	2.92E+02	1.32E+02	No	-3.14E-01	1.89E+00	No
L3R-2 Patterson Mill Rd	3-Feb-15	1.82E+03	1.78E+02	Yes	-1.86E+00	2.33E+00	No
	3-Mar-15	1.90E+03	1.87E+02	Yes	8.35E-01	1.80E+00	No
	7-Apr-15	1.22E+03	1.67E+02	Yes	2.28E+00	2.18E+00	No
	5-May-15	1.24E+03	1.72E+02	Yes	1.71E-01	1.95E+00	No
	2-Jun-15	2.70E+03	2.01E+02	Yes	-3.41E+00	2.52E+00	No
	7-Jul-15	2.34E+03	2.00E+02	Yes	-1.02E+00	2.59E+00	No
	4-Aug-15	4.30E+03	2.37E+02	Yes	-3.59E-01	1.89E+00	No
	9-Sep-15	3.46E+03	2.31E+02	Yes	-8.57E-01	1.99E+00	No
	6-Oct-15	2.19E+03	1.86E+02	Yes	1.15E+00	1.85E+00	No
	3-Nov-15	1.57E+03	1.76E+02	Yes	6.49E-03	1.96E+00	No
	8-Dec-15	8.51E+02	1.54E+02	Yes	5.73E-01	1.95E+00	No
	5-Jan-16	1.15E+03	1.65E+02	Yes	-2.17E+00	2.29E+00	No

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Lower Three Runs Creek

Sample Location	Sample Date	H-3 (tritium)			Co-60		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
L3R-3 at Highway 125	3-Feb-15	8.05E+02	1.52E+02	Yes	9.86E-02	1.92E+00	No
	3-Mar-15	7.78E+02	1.59E+02	Yes	1.26E+00	1.86E+00	No
	7-Apr-15	8.11E+02	1.57E+02	Yes	1.86E+00	1.90E+00	No
	5-May-15	3.84E+02	1.52E+02	No	1.26E-01	1.76E+00	No
	2-Jun-15	8.49E+02	1.55E+02	Yes	5.62E-01	1.59E+00	No
	7-Jul-15	9.49E+02	1.67E+02	Yes	1.02E+00	2.34E+00	No
	4-Aug-15	1.49E+03	1.76E+02	Yes	-2.23E-01	1.96E+00	No
	9-Sep-15	9.03E+02	1.76E+02	Yes	-1.30E-01	2.08E+00	No
	6-Oct-15	6.86E+02	1.55E+02	Yes	-4.32E-01	1.84E+00	No
	3-Nov-15	7.49E+02	1.57E+02	Yes	-2.52E-01	2.01E+00	No
	8-Dec-15	4.27E+02	1.50E+02	Yes	-1.64E-01	2.11E+00	No
	5-Jan-16	4.00E+02	1.46E+02	Yes	-2.28E+00	2.02E+00	No

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Lower Three Runs Creek (continued)

Sample Location	Sample Date	Cs-137			Gross Beta		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
L3R-1A at Road B	3-Feb-15	-2.23E+00	2.55E+00	No	1.49E+00	1.86E-01	Yes
	3-Mar-15	1.12E+00	2.19E+00	No	1.60E+00	2.07E-01	Yes
	7-Apr-15	-1.81E+00	2.08E+00	No	1.76E+00	2.06E-01	Yes
	5-May-15	3.16E-01	2.47E+00	No	1.09E+00	1.69E-01	Yes
	2-Jun-15	1.81E+00	2.23E+00	No	2.04E+00	2.05E-01	Yes
	7-Jul-15	2.26E+00	2.59E+00	No	1.94E+00	1.53E-01	Yes
	4-Aug-15	-7.27E-01	2.28E+00	No	1.75E+00	2.02E-01	Yes
	9-Sep-15	2.78E+00	2.05E+00	No	1.79E+00	2.02E-01	Yes
	6-Oct-15	1.79E+00	2.04E+00	No	1.42E+00	1.91E-01	Yes
	3-Nov-15	2.48E+00	2.20E+00	No	1.58E+00	2.02E-01	Yes
	9-Dec-15	4.68E-01	2.11E+00	No	1.44E+00	1.99E-01	Yes
	5-Jan-16	2.18E+00	1.95E+00	No	2.22E+00	2.14E-01	Yes
L3R-2 Patterson Mill Rd	3-Feb-15	-1.50E+00	2.38E+00	No	1.48E+00	1.88E-01	Yes
	3-Mar-15	-8.14E-01	2.00E+00	No	1.11E+00	1.93E-01	Yes
	7-Apr-15	-2.49E-01	2.10E+00	No	1.08E+00	1.79E-01	Yes
	5-May-15	2.49E+00	2.06E+00	No	1.13E+00	1.71E-01	Yes
	2-Jun-15	2.89E+00	2.53E+00	No	2.19E+00	2.20E-01	Yes
	7-Jul-15	-1.49E+00	2.51E+00	No	1.35E+00	1.40E-01	Yes
	4-Aug-15	4.11E+00	2.34E+00	No	1.37E+00	1.88E-01	Yes
	9-Sep-15	6.24E-01	2.09E+00	No	1.34E+00	1.87E-01	Yes
	6-Oct-15	-1.16E+00	2.10E+00	No	1.32E+00	1.89E-01	Yes
	3-Nov-15	3.86E-01	2.01E+00	No	1.92E+00	2.16E-01	Yes
	8-Dec-15	2.65E+00	2.21E+00	No	1.36E+00	2.03E-01	Yes
	5-Jan-16	-1.30E+00	2.20E+00	No	2.22E+00	2.15E-01	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Lower Three Runs Creek (continued)

Sample Location	Sample Date	Cs-137			Gross Beta		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
L3R-3 at Highway 125	3-Feb-15	6.22E-01	2.14E+00	No	1.48E+00	1.87E-01	Yes
	3-Mar-15	-1.83E+00	2.23E+00	No	1.58E+00	2.15E-01	Yes
	7-Apr-15	4.32E+00	2.09E+00	No	1.41E+00	1.91E-01	Yes
	5-May-15	-1.26E+00	2.13E+00	No	1.77E+00	1.98E-01	Yes
	2-Jun-15	-8.16E-01	2.03E+00	No	2.97E+00	2.46E-01	Yes
	7-Jul-15	-6.46E-01	2.45E+00	No	2.27E+00	1.63E-01	Yes
	4-Aug-15	2.76E+00	2.32E+00	No	7.27E+00	3.57E-01	Yes
	9-Sep-15	7.62E+00	3.06E+00	No	2.89E+01	1.43E+00	Yes
	6-Oct-15	4.62E+00	2.22E+00	No	8.81E+00	3.92E-01	Yes
	3-Nov-15	-2.65E+00	2.04E+00	No	1.71E+00	2.08E-01	Yes
	8-Dec-15	-2.42E+00	2.12E+00	No	2.11E+00	2.30E-01	Yes
	5-Jan-16	1.41E+00	2.19E+00	No	1.85E+00	2.05E-01	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Lower Three Runs Creek (continued)

Sample Location	Sample Date	Gross Alpha		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant
L3R-1A at Road B	3-Feb-15	2.76E-01	1.00E-01	Yes
	3-Mar-15	2.64E-01	9.59E-02	Yes
	7-Apr-15	2.84E-01	9.48E-02	Yes
	5-May-15	8.95E-02	7.15E-02	No
	2-Jun-15	3.92E-01	1.14E-01	Yes
	7-Jul-15	3.59E-01	8.36E-02	Yes
	4-Aug-15	3.08E-01	1.09E-01	Yes
	9-Sep-15	4.38E-01	1.17E-01	Yes
	6-Oct-15	6.11E-02	6.79E-02	No
	3-Nov-15	6.22E-02	7.33E-02	No
	9-Dec-15	1.54E-01	7.63E-02	No
	5-Jan-16	3.95E-01	1.07E-01	Yes
L3R-2 Patterson Mill Rd	3-Feb-15	8.14E-01	1.58E-01	Yes
	3-Mar-15	4.32E-01	1.18E-01	Yes
	7-Apr-15	4.81E-01	1.20E-01	Yes
	5-May-15	2.43E-01	9.63E-02	Yes
	2-Jun-15	1.68E+00	2.14E-01	Yes
	7-Jul-15	6.65E-01	1.06E-01	Yes
	4-Aug-15	5.95E-01	1.38E-01	Yes
	9-Sep-15	3.73E-01	1.17E-01	Yes
	6-Oct-15	5.46E-01	1.35E-01	Yes
	3-Nov-15	7.68E-01	1.54E-01	Yes
	8-Dec-15	6.59E-01	1.40E-01	Yes
	5-Jan-16	6.05E-01	1.31E-01	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)**Stream: Lower Three Runs Creek (continued)**

Sample Location	Sample Date	Gross Alpha		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant
L3R-3 at Highway 125	3-Feb-15	5.46E-01	1.33E-01	Yes
	3-Mar-15	1.03E+00	1.72E-01	Yes
	7-Apr-15	3.65E-01	1.09E-01	Yes
	5-May-15	1.13E+00	1.83E-01	Yes
	2-Jun-15	2.92E+00	2.90E-01	Yes
	7-Jul-15	1.38E+00	1.48E-01	Yes
	4-Aug-15	7.84E+00	5.34E-01	Yes
	9-Sep-15	3.81E+01	2.42E+00	Yes
	6-Oct-15	8.86E+00	5.88E-01	Yes
	3-Nov-15	5.43E-01	1.35E-01	Yes
	8-Dec-15	9.32E-01	1.67E-01	Yes
	5-Jan-16	1.27E+00	1.87E-01	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)**Stream: Lower Three Runs Creek (continued)**

Location	Radionuclide	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
L3R-1A at Road B	Sr-89/90	22-Jan-15	2.78E-01	2.08E-01	No
L3R-2 Patterson Mill Rd	Sr-89/90	22-Jan-15	6.43E-02	1.93E-01	No
L3R-3 at Highway 125	Sr-89/90	22-Jan-15	4.14E-01	2.17E-01	No
L3R-3 at Highway 125	Sr-89/90	9-Sep-15	2.54E+00	7.15E-01	Yes
L3R-1A at Road B	I-129	22-Jan-15	-1.69E-01	2.45E-01	No
L3R-2 Patterson Mill Rd	I-129	22-Jan-15	-1.15E-01	2.80E-01	No
L3R-3 at Highway 125	I-129	22-Jan-15	2.25E-01	2.41E-01	No
L3R-1A at Road B	U-234	22-Jan-15	1.67E-02	6.02E-03	Yes
L3R-2 Patterson Mill Rd	U-234	22-Jan-15	2.84E-02	7.78E-03	Yes
L3R-3 at Highway 125	U-234	22-Jan-15	1.65E-02	5.94E-03	Yes
L3R-3 at Highway 125	U-234	9-Sep-15	1.18E+00	1.25E-01	Yes
L3R-1A at Road B	U-235	22-Jan-15	-3.92E-06	2.46E-04	No
L3R-2 Patterson Mill Rd	U-235	22-Jan-15	1.17E-02	5.36E-03	No
L3R-3 at Highway 125	U-235	22-Jan-15	2.18E-03	2.22E-03	No
L3R-3 at Highway 125	U-235	9-Sep-15	5.03E-02	2.28E-02	Yes
L3R-1A at Road B	U-238	22-Jan-15	1.31E-02	5.32E-03	Yes
L3R-2 Patterson Mill Rd	U-238	22-Jan-15	1.45E-02	6.10E-03	Yes
L3R-3 at Highway 125	U-238	22-Jan-15	1.47E-02	5.57E-03	Yes
L3R-3 at Highway 125	U-238	9-Sep-15	1.16E+00	1.22E-01	Yes
L3R-1A at Road B	Pu-238	22-Jan-15	1.61E-03	1.61E-03	No
L3R-2 Patterson Mill Rd	Pu-238	22-Jan-15	1.76E-03	1.76E-03	No
L3R-3 at Highway 125	Pu-238	22-Jan-15	0.00E+00	2.14E-03	No
L3R-3 at Highway 125	Pu-238	9-Sep-15	2.66E-02	1.55E-02	No
L3R-1A at Road B	Pu-239	22-Jan-15	2.14E-03	2.52E-03	No
L3R-2 Patterson Mill Rd	Pu-239	22-Jan-15	5.84E-04	2.12E-03	No
L3R-3 at Highway 125	Pu-239	22-Jan-15	-2.32E-03	2.13E-03	No
L3R-3 at Highway 125	Pu-239	9-Sep-15	8.70E-03	9.13E-03	No
L3R-1A at Road B	Am-241	22-Jan-15	1.01E-02	4.32E-03	Yes
L3R-2 Patterson Mill Rd	Am-241	22-Jan-15	1.05E-02	5.36E-03	Yes
L3R-3 at Highway 125	Am-241	22-Jan-15	5.65E-03	3.71E-03	No
L3R-3 at Highway 125	Am-241	9-Sep-15	3.92E-02	1.84E-02	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)**Stream: Lower Three Runs Creek (continued)**

Location	Radionuclide	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
L3R-1A at Road B	Cm-244	22-Jan-15	-1.12E-03	1.13E-03	No
L3R-2 Patterson Mill Rd	Cm-244	22-Jan-15	1.84E-03	2.25E-03	No
L3R-3 at Highway 125	Cm-244	22-Jan-15	1.68E-03	2.01E-03	No
L3R-3 at Highway 125	Cm-244	9-Sep-15	2.55E-03	9.59E-03	No
L3R-1A at Road B	Tc-99	22-Jan-15	6.97E-02	7.57E-01	No
L3R-2 Patterson Mill Rd	Tc-99	22-Jan-15	3.43E+00	8.06E-01	Yes
L3R-3 at Highway 125	Tc-99	22-Jan-15	2.95E-01	7.63E-01	No
L3R-3 at Highway 125	Tc-99	9-Sep-15	2.28E+00	1.25E+00	No

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Miscellaneous Locations

Sample Location	Sample Date	H-3 (tritium)			Co-60		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
G-010	3-Feb-15	9.73E+02	1.58E+02	Yes	6.43E+00	2.47E+00	No
	3-Mar-15	4.78E+02	1.53E+02	Yes	1.53E-01	2.01E+00	No
	7-Apr-15	8.30E+02	1.58E+02	Yes	5.76E+00	2.13E+00	No
	5-May-15	8.38E+02	1.53E+02	Yes	1.20E+00	2.31E+00	No
	2-Jun-15	1.85E+02	1.57E+02	No	2.81E+00	2.33E+00	No
	7-Jul-15	1.38E+03	1.81E+02	Yes	-1.98E+00	1.98E+00	No
	4-Aug-15	1.91E+03	1.88E+02	Yes	1.54E+00	1.91E+00	No
	9-Sep-15	1.49E+03	1.94E+02	Yes	1.31E+00	2.05E+00	No
	6-Oct-15	9.68E+02	1.57E+02	Yes	3.95E-01	1.77E+00	No
	3-Nov-15	1.13E+03	1.70E+02	Yes	4.19E+00	2.10E+00	No
	8-Dec-15	3.11E+02	1.59E+02	No	2.08E+00	1.88E+00	No
	5-Jan-16	6.35E+02	1.52E+02	Yes	4.32E+00	2.51E+00	No
HP-52 H-Area Tank Farm	3-Feb-15	5.89E+02	1.38E+02	Yes	-4.59E-01	1.86E+00	No
	3-Mar-15	2.50E+03	1.97E+02	Yes	5.32E-01	2.04E+00	No
	7-Apr-15	3.05E+03	2.12E+02	Yes	1.49E+00	2.38E+00	No
	5-May-15	2.51E+03	2.20E+02	Yes	1.34E-01	1.91E+00	No
	2-Jun-15	1.78E+03	1.79E+02	Yes	-6.41E-01	2.13E+00	No
	7-Jul-15	1.87E+03	1.85E+02	Yes	2.46E+00	1.90E+00	No
	4-Aug-15	2.11E+03	1.86E+02	Yes	1.13E+00	2.02E+00	No
	9-Sep-15	1.83E+03	1.94E+02	Yes	-9.68E-01	1.85E+00	No
	6-Oct-15	9.51E+02	1.50E+02	Yes	1.73E+00	1.87E+00	No
	3-Nov-15	2.26E+03	1.91E+02	Yes	-2.62E+00	1.82E+00	No
	8-Dec-15	1.34E+03	1.78E+02	Yes	-6.65E-01	1.95E+00	No
	5-Jan-16	1.53E+03	1.73E+02	Yes	2.39E+00	1.95E+00	No
Mary's Branch	3-Feb-15	2.31E+04	4.82E+02	Yes	4.11E+00	2.13E+00	No
	3-Mar-15	2.14E+04	4.59E+02	Yes	-1.15E-01	1.82E+00	No
	7-Apr-15	2.29E+04	4.76E+02	Yes	-7.46E-02	2.20E+00	No
	5-May-15	2.15E+04	4.63E+02	Yes	-1.02E+00	2.02E+00	No
	2-Jun-15	2.34E+04	4.79E+02	Yes	-6.05E-01	2.46E+00	No
	7-Jul-15	2.41E+04	4.86E+02	Yes	-5.03E-01	1.95E+00	No

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Miscellaneous Locations (continued)

Sample Location	Sample Date	H-3 (tritium)			Co-60		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Mary's Branch	4-Aug-15	2.51E+04	5.08E+02	Yes	7.62E-01	1.90E+00	No
	9-Sep-15	2.27E+04	4.84E+02	Yes	4.05E+00	2.09E+00	No
	6-Oct-15	1.79E+04	4.15E+02	Yes	-3.65E-01	1.92E+00	No
	3-Nov-15	1.97E+04	4.50E+02	Yes	1.35E+00	2.19E+00	No
	8-Dec-15	1.75E+04	4.21E+02	Yes	-2.64E+00	1.86E+00	No
	5-Jan-16	1.82E+04	4.28E+02	Yes	3.78E+00	2.02E+00	No
McQueens Branch	9-Feb-15	2.15E+03	1.79E+02	Yes	-2.66E-01	2.54E+00	No
	9-Mar-15	1.52E+03	1.70E+02	Yes	3.97E+00	2.16E+00	No
	13-Apr-15	1.65E+03	1.76E+02	Yes	2.55E+00	2.46E+00	No
	11-May-15	1.49E+03	1.70E+02	Yes	-2.42E+00	2.39E+00	No
	8-Jun-15	1.51E+03	1.89E+02	Yes	-2.76E+00	2.16E+00	No
	13-Jul-15	1.97E+03	1.83E+02	Yes	4.84E+00	2.16E+00	No
	10-Aug-15	2.35E+03	1.95E+02	Yes	-5.46E-01	1.65E+00	No
	21-Sep-15	1.60E+03	1.94E+02	Yes	1.04E+00	1.73E+00	No
	12-Oct-15	1.20E+03	1.68E+02	Yes	-6.78E-01	1.88E+00	No
	9-Nov-15	1.13E+03	1.72E+02	Yes	1.29E+00	1.75E+00	No
	14-Dec-15	1.49E+03	1.68E+02	Yes	-3.22E+00	2.20E+00	No
	11-Jan-16	1.82E+03	1.86E+02	Yes	7.86E-01	2.06E+00	No
TNX-008	3-Feb-15	4.27E+02	1.36E+02	Yes	-3.38E-01	2.25E+00	No
	3-Mar-15	2.89E+02	1.40E+02	No	2.05E-01	2.48E+00	No
	7-Apr-15	5.27E+02	1.42E+02	Yes	2.28E+00	2.61E+00	No
	5-May-15	1.40E+02	1.35E+02	No	1.19E+00	1.75E+00	No
	2-Jun-15	4.62E+02	1.43E+02	Yes	-7.16E-01	2.31E+00	No
	7-Jul-15	2.06E+02	1.51E+02	No	1.08E+00	1.80E+00	No
	4-Aug-15	1.05E+03	1.66E+02	Yes	-1.57E+00	1.94E+00	No
	9-Sep-15	4.14E+01	1.47E+02	No	2.19E+00	2.04E+00	No
	6-Oct-15	1.51E+02	1.30E+02	No	-2.02E+00	1.93E+00	No
	3-Nov-15	1.45E+02	1.36E+02	No	2.40E+00	2.18E+00	No
	8-Dec-15	2.62E+02	1.35E+02	No	1.68E+00	2.11E+00	No
	5-Jan-16	3.24E+02	1.38E+02	No	-1.76E-01	2.03E+00	No

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Miscellaneous Locations (continued)

Sample Location	Sample Date	Cs-137			Gross Beta		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
G-010	3-Feb-15	7.19E-01	2.36E+00	No	1.38E+01	1.01E+00	Yes
	3-Mar-15	1.80E+00	2.28E+00	No	1.38E+01	1.06E+00	Yes
	7-Apr-15	-7.62E-01	2.14E+00	No	1.22E+01	1.56E+00	Yes
	5-May-15	-6.68E-01	2.45E+00	No	1.06E+01	1.50E+00	Yes
	2-Jun-15	1.76E+00	2.44E+00	No	1.16E+01	1.47E+00	Yes
	7-Jul-15	-1.63E+00	2.21E+00	No	1.29E+01	1.61E+00	Yes
	4-Aug-15	-2.32E-01	2.21E+00	No	1.10E+01	1.51E+00	Yes
	9-Sep-15	-2.59E+00	2.03E+00	No	1.00E+01	1.28E+00	Yes
	6-Oct-15	-1.58E+00	2.07E+00	No	1.22E+01	1.56E+00	Yes
	3-Nov-15	-3.41E+00	2.18E+00	No	1.21E+01	1.00E+00	Yes
	8-Dec-15	-1.17E+00	2.11E+00	No	1.16E+01	1.60E+00	Yes
	5-Jan-16	9.81E-01	2.02E+00	No	1.34E+01	1.58E+00	Yes
HP-52 H-Area Tank Farm	3-Feb-15	-9.70E-01	1.98E+00	No	4.57E+00	5.59E-01	Yes
	3-Mar-15	7.43E-01	2.52E+00	No	5.81E+00	4.07E-01	Yes
	7-Apr-15	1.55E-01	2.63E+00	No	7.92E+00	6.59E-01	Yes
	5-May-15	5.76E+00	3.40E+00	No	7.68E+00	3.52E-01	Yes
	2-Jun-15	5.38E+00	2.38E+00	No	8.14E+00	6.64E-01	Yes
	7-Jul-15	6.27E-01	2.49E+00	No	4.97E+00	2.91E-01	Yes
	4-Aug-15	5.70E+00	2.38E+00	No	6.19E+00	5.90E-01	Yes
	9-Sep-15	1.15E+00	2.34E+00	No	4.65E+00	5.33E-01	Yes
	6-Oct-15	2.31E+00	2.24E+00	No	4.95E+00	2.94E-01	Yes
	3-Nov-15	7.89E+00	2.67E+00	Yes	5.35E+00	3.06E-01	Yes
	8-Dec-15	4.38E+00	2.32E+00	No	5.73E+00	3.14E-01	Yes
	5-Jan-16	-1.61E-01	2.12E+00	No	4.46E+00	2.80E-01	Yes
Mary's Branch	3-Feb-15	1.72E+00	2.22E+00	No	8.14E-01	1.62E-01	Yes
	3-Mar-15	2.41E+00	1.83E+00	No	6.86E-01	2.08E-01	Yes
	7-Apr-15	1.75E+00	1.77E+00	No	1.66E+00	2.09E-01	Yes
	5-May-15	1.52E-01	2.26E+00	No	1.29E+00	1.73E-01	Yes
	2-Jun-15	-2.34E+00	2.49E+00	No	1.13E+00	1.75E-01	Yes
	7-Jul-15	-7.89E-01	2.33E+00	No	1.53E+00	1.96E-01	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Miscellaneous Locations (continued)

Sample Location	Sample Date	Cs-137			Gross Beta		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Mary's Branch	4-Aug-15	1.07E+00	2.14E+00	No	1.11E+00	1.83E-01	Yes
	9-Sep-15	1.27E+00	1.99E+00	No	4.59E+00	2.95E-01	Yes
	6-Oct-15	4.35E-01	2.16E+00	No	1.23E+00	1.89E-01	Yes
	3-Nov-15	-5.38E+00	2.23E+00	No	1.64E+00	2.10E-01	Yes
	8-Dec-15	-3.81E+00	1.98E+00	No	5.70E-01	1.99E-01	Yes
	5-Jan-16	-3.68E-01	2.11E+00	No	2.62E+00	2.36E-01	Yes
McQueens Branch	9-Feb-15	-2.92E+00	2.39E+00	No	8.51E-01	1.80E-01	Yes
	9-Mar-15	4.51E-01	2.53E+00	No	5.03E-01	1.69E-01	Yes
	13-Apr-15	-3.19E+00	2.58E+00	No	1.26E+00	1.88E-01	Yes
	11-May-15	3.92E+00	2.48E+00	No	1.01E+00	1.77E-01	Yes
	8-Jun-15	4.19E+00	2.62E+00	No	1.25E+00	1.76E-01	Yes
	13-Jul-15	1.53E+00	2.18E+00	No	6.89E-01	1.60E-01	Yes
	10-Aug-15	2.09E+00	2.02E+00	No	1.26E+00	1.84E-01	Yes
	21-Sep-15	7.24E-01	2.11E+00	No	1.04E+00	1.76E-01	Yes
	12-Oct-15	1.32E+00	2.09E+00	No	4.11E-01	1.51E-01	Yes
	9-Nov-15	4.32E+00	2.29E+00	No	1.07E+00	1.86E-01	Yes
	14-Dec-15	-1.06E+00	1.87E+00	No	1.15E+00	3.22E-01	Yes
	11-Jan-16	-4.32E+00	2.20E+00	No	9.89E-01	2.22E-01	Yes
TNX-008	3-Feb-15	1.04E+00	2.43E+00	No	4.19E+00	2.73E-01	Yes
	3-Mar-15	-9.24E-01	2.63E+00	No	3.54E+00	2.72E-01	Yes
	7-Apr-15	-2.95E+00	2.31E+00	No	3.49E+00	2.66E-01	Yes
	5-May-15	-2.68E-01	2.18E+00	No	3.32E+00	1.93E-01	Yes
	2-Jun-15	-2.58E+00	2.40E+00	No	4.92E+00	2.94E-01	Yes
	7-Jul-15	1.28E+00	2.20E+00	No	6.46E+00	3.30E-01	Yes
	4-Aug-15	1.19E+00	2.30E+00	No	5.59E+00	3.08E-01	Yes
	9-Sep-15	1.86E+00	1.99E+00	No	5.38E+00	3.02E-01	Yes
	6-Oct-15	-4.08E-01	2.15E+00	No	7.54E+00	3.71E-01	Yes
	3-Nov-15	1.28E+00	2.19E+00	No	5.73E+00	3.17E-01	Yes
	8-Dec-15	1.50E+00	2.00E+00	No	4.73E+00	3.02E-01	Yes
	5-Jan-16	-3.97E+00	2.18E+00	No	3.70E+00	2.64E-01	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Miscellaneous Locations (continued)

Sample Location	Sample Date	Gross Alpha		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant
G-010	3-Feb-15	3-Feb-15	6.51E-01	4.19E-01
	3-Mar-15	3-Mar-15	3.68E-01	3.75E-01
	7-Apr-15	7-Apr-15	5.24E-01	5.46E-01
	5-May-15	5-May-15	5.05E-01	5.27E-01
	2-Jun-15	2-Jun-15	-4.97E-01	3.74E-01
	7-Jul-15	7-Jul-15	3.57E-01	5.97E-01
	4-Aug-15	4-Aug-15	-1.16E-01	5.53E-01
	9-Sep-15	9-Sep-15	1.15E+00	6.33E-01
	6-Oct-15	6-Oct-15	-3.32E-01	4.10E-01
	3-Nov-15	3-Nov-15	-3.08E-01	2.89E-01
	8-Dec-15	8-Dec-15	5.65E-01	6.63E-01
	5-Jan-16	5-Jan-16	1.38E+00	6.69E-01
HP-52 H-Area Tank Farm	3-Feb-15	3-Feb-15	2.49E+00	4.80E-01
	3-Mar-15	3-Mar-15	1.36E+00	2.68E-01
	7-Apr-15	7-Apr-15	2.06E+00	4.67E-01
	5-May-15	5-May-15	1.61E+00	2.23E-01
	2-Jun-15	2-Jun-15	1.64E+00	4.04E-01
	7-Jul-15	7-Jul-15	3.92E-01	1.18E-01
	4-Aug-15	4-Aug-15	1.58E+00	3.92E-01
	9-Sep-15	9-Sep-15	6.38E-01	2.62E-01
	6-Oct-15	6-Oct-15	5.97E-01	1.36E-01
	3-Nov-15	3-Nov-15	7.49E-01	1.57E-01
	8-Dec-15	8-Dec-15	8.49E-01	1.64E-01
	5-Jan-16	5-Jan-16	1.33E+00	1.91E-01
Mary's Branch	3-Feb-15	3-Feb-15	1.66E+00	2.05E-01
	3-Mar-15	3-Mar-15	2.86E+00	2.64E-01
	7-Apr-15	7-Apr-15	5.30E+00	3.52E-01
	5-May-15	5-May-15	4.05E+00	2.20E-01
	2-Jun-15	2-Jun-15	2.34E+00	2.41E-01
	7-Jul-15	7-Jul-15	2.43E+00	2.41E-01

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Miscellaneous Locations (continued)

Sample Location	Sample Date	Gross Alpha		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Mary's Branch	4-Aug-15	4-Aug-15	2.92E+00	2.64E-01
	9-Sep-15	9-Sep-15	9.19E+00	4.75E-01
	6-Oct-15	6-Oct-15	2.84E+00	2.65E-01
	3-Nov-15	3-Nov-15	3.32E+00	2.81E-01
	8-Dec-15	8-Dec-15	2.50E+00	2.47E-01
	5-Jan-16	5-Jan-16	5.54E+00	3.59E-01
McQueens Branch	3-Feb-15	9-Feb-15	2.34E-01	9.04E-02
	3-Mar-15	9-Mar-15	3.84E-01	1.09E-01
	7-Apr-15	13-Apr-15	1.42E+00	1.93E-01
	5-May-15	11-May-15	7.05E-01	1.39E-01
	2-Jun-15	8-Jun-15	5.92E-01	1.34E-01
	7-Jul-15	13-Jul-15	1.07E-01	7.84E-02
	4-Aug-15	10-Aug-15	3.38E-01	1.13E-01
	9-Sep-15	21-Sep-15	2.14E-01	9.82E-02
	6-Oct-15	12-Oct-15	3.86E-01	1.13E-01
	3-Nov-15	9-Nov-15	4.03E-01	1.18E-01
	8-Dec-15	14-Dec-15	4.19E-01	2.08E-01
	5-Jan-16	11-Jan-16	8.68E-01	1.99E-01
TNX-008	3-Feb-15	3-Feb-15	8.73E-01	1.84E-01
	3-Mar-15	3-Mar-15	9.57E-01	1.89E-01
	7-Apr-15	7-Apr-15	1.02E+00	1.94E-01
	5-May-15	5-May-15	1.47E+00	1.61E-01
	2-Jun-15	2-Jun-15	1.61E+00	2.38E-01
	7-Jul-15	7-Jul-15	2.18E+00	2.73E-01
	4-Aug-15	4-Aug-15	9.35E-01	1.86E-01
	9-Sep-15	9-Sep-15	8.11E-01	1.67E-01
	6-Oct-15	6-Oct-15	3.22E+00	3.17E-01
	3-Nov-15	3-Nov-15	1.21E+00	2.06E-01
	8-Dec-15	8-Dec-15	1.14E+00	2.06E-01
	5-Jan-16	5-Jan-16	1.70E+00	2.38E-01

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Miscellaneous Locations (continued)

Location	Sample Date	Sr-89/90			I-129		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
G-010	3-Feb-15	1.26E+00	2.91E-01	Yes	-1.13E-01	2.32E-01	No
	3-Mar-15	7.35E-02	2.11E-01	No	-4.51E-01	2.46E-01	No
	7-Apr-15	-7.51E-02	1.88E-01	No	-1.42E-01	2.42E-01	No
	5-May-15	2.56E-01	2.06E-01	No	1.43E-02	2.40E-01	No
	2-Jun-15	4.24E-02	1.85E-01	No	-3.22E-01	2.27E-01	No
	7-Jul-15	3.14E-01	2.25E-01	No	2.97E-01	2.81E-01	No
	4-Aug-15	-1.83E-01	2.04E-01	No	1.31E+00	6.45E-01	No
	9-Sep-15	2.69E-01	2.02E-01	No	-2.22E-01	2.54E-01	No
	6-Oct-15	-1.69E-01	1.78E-01	No	1.40E-01	2.73E-01	No
	3-Nov-15	4.11E-01	2.24E-01	No	3.95E-01	2.50E-01	No
	8-Dec-15	-1.05E-01	1.66E-01	No	1.67E-02	2.69E-01	No
	5-Jan-16	6.16E-02	1.72E-01	No	-2.03E-01	2.87E-01	No
HP-52 H-Area Tank Farm	3-Feb-15	5.16E-01	2.30E-01	No			
	3-Mar-15	2.89E-01	2.21E-01	No			
	7-Apr-15	5.92E-02	1.98E-01	No			
	5-May-15	3.00E-01	2.47E-01	No			
	2-Jun-15	-6.73E-02	1.75E-01	No			
	7-Jul-15	2.20E-01	2.25E-01	No			
	4-Aug-15	2.59E-01	2.47E-01	No			
	9-Sep-15	1.48E-01	1.91E-01	No			
	6-Oct-15	1.88E-01	2.08E-01	No			
	3-Nov-15	1.40E-01	1.93E-01	No			
	8-Dec-15	3.51E-01	1.97E-01	No			
	5-Jan-16	1.02E-01	1.71E-01	No			

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Miscellaneous Locations (continued)

Location	Sample Date	U-234			U-235		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
G-010	3-Feb-15	1.54E-02	5.80E-03	No	4.22E-03	3.03E-03	No
	3-Mar-15	6.78E-03	4.59E-03	No	7.57E-04	2.76E-03	No
	7-Apr-15	8.11E-03	4.41E-03	No	2.31E-03	2.32E-03	No
	5-May-15	7.35E-03	5.11E-03	No	2.27E-03	2.28E-03	No
	2-Jun-15	8.54E-03	4.74E-03	No	8.11E-04	2.41E-03	No
	7-Jul-15	9.05E-03	4.47E-03	No	-7.46E-07	1.98E-03	No
	4-Aug-15	1.22E-02	4.93E-03	Yes	-2.21E-06	1.30E-04	No
	9-Sep-15	2.08E-02	6.30E-03	Yes	-6.68E-06	3.94E-04	No
	6-Oct-15	1.92E-02	6.20E-03	Yes	7.19E-04	2.60E-03	No
	3-Nov-15	2.63E-02	7.08E-03	Yes	6.62E-03	4.23E-03	No
	8-Dec-15	6.16E-02	1.21E-02	Yes	-2.18E-03	3.35E-03	No
	5-Jan-16	2.25E-02	6.72E-03	Yes	2.58E-03	3.09E-03	No
HP-52 H-Area Tank Farm	3-Feb-15	9.57E-03	5.87E-03	No	3.38E-03	4.00E-03	No
	3-Mar-15	1.70E-02	6.28E-03	Yes	-7.27E-04	2.99E-03	No
	7-Apr-15	1.51E-02	5.66E-03	Yes	4.46E-03	3.17E-03	No
	5-May-15	4.11E-02	9.17E-03	Yes	9.05E-03	4.92E-03	No
	2-Jun-15	2.76E-02	7.65E-03	Yes	3.70E-03	4.37E-03	No
	7-Jul-15	2.97E-02	7.46E-03	Yes	4.08E-03	2.90E-03	No
	4-Aug-15	2.49E-02	6.89E-03	Yes	2.20E-03	2.22E-03	No
	9-Sep-15	2.04E-02	6.32E-03	Yes	2.03E-03	2.10E-03	No
	6-Oct-15	1.96E-02	6.76E-03	Yes	7.38E-03	4.92E-03	No
	3-Nov-15	1.28E-02	5.43E-03	Yes	2.76E-03	3.24E-03	No
	8-Dec-15	3.11E-02	8.09E-03	Yes	2.11E-03	2.25E-03	No
	5-Jan-16	3.00E-02	7.77E-03	Yes	8.24E-03	4.25E-03	No

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Miscellaneous Locations (continued)

Location	Sample Date	U-234			U-235		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Mary's Branch	3-Feb-15	7.41E-02	1.76E-02	Yes	4.57E-03	4.59E-03	No
	3-Mar-15	5.95E-02	1.73E-02	Yes	1.16E-02	9.28E-03	No
	7-Apr-15	5.57E-02	1.58E-02	Yes	1.44E-02	8.36E-03	No
	5-May-15	7.19E-02	1.75E-02	Yes	9.16E-03	6.55E-03	No
	2-Jun-15	2.66E-02	1.11E-02	Yes	8.57E-03	6.13E-03	No
	7-Jul-15	5.78E-02	1.47E-02	Yes	1.68E-02	8.47E-03	No
	4-Aug-15	2.37E-01	3.25E-02	Yes	1.25E-02	3.66E-03	No
	9-Sep-15	1.57E-01	2.51E-02	Yes	9.59E-03	7.71E-03	No
	6-Oct-15	3.86E-02	1.37E-02	Yes	2.73E-03	7.02E-03	No
	3-Nov-15	1.07E-01	2.02E-02	Yes	9.59E-03	7.89E-03	No
	8-Dec-15	3.11E-02	1.15E-02	Yes	8.51E-03	6.19E-03	No
	5-Jan-16	2.08E-01	2.99E-02	Yes	1.76E-02	9.63E-03	Yes
TNX-008	3-Feb-15	1.45E-01	2.15E-02	Yes	7.43E-03	4.85E-03	No
	3-Mar-15	2.46E-01	2.82E-02	Yes	2.02E-02	7.08E-03	Yes
	7-Apr-15	2.09E-01	2.38E-02	Yes	6.86E-03	4.37E-03	No
	5-May-15	9.59E-02	1.43E-02	Yes	4.22E-03	3.05E-03	No
	2-Jun-15	6.41E-02	1.15E-02	Yes	7.00E-04	2.56E-03	No
	7-Jul-15	7.27E-02	1.27E-02	Yes	2.15E-03	2.13E-03	No
	4-Aug-15	6.11E-02	1.12E-02	Yes	4.89E-03	3.93E-03	No
	9-Sep-15	4.43E-02	1.07E-02	Yes	4.16E-03	2.95E-03	No
	6-Oct-15	5.89E-02	1.20E-02	Yes	9.49E-03	4.41E-03	No
	3-Nov-15	5.68E-02	1.08E-02	Yes	6.73E-03	4.26E-03	No
	8-Dec-15	6.24E-02	1.26E-02	Yes	4.24E-03	3.19E-03	No
	5-Jan-16	4.51E-02	1.07E-02	Yes	4.35E-03	3.19E-03	No

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Miscellaneous Locations (continued)

Location	Sample Date	U-238		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant
G-010	3-Feb-15	1.88E-02	6.04E-03	Yes
	3-Mar-15	9.22E-03	4.22E-03	Yes
	7-Apr-15	5.59E-03	3.32E-03	No
	5-May-15	3.05E-03	3.63E-03	No
	2-Jun-15	8.51E-03	4.65E-03	No
	7-Jul-15	1.41E-02	5.32E-03	Yes
	4-Aug-15	2.05E-02	6.28E-03	Yes
	9-Sep-15	1.44E-02	5.66E-03	Yes
	6-Oct-15	1.63E-02	6.04E-03	Yes
	3-Nov-15	1.39E-02	5.49E-03	Yes
	8-Dec-15	5.14E-02	1.06E-02	Yes
	5-Jan-16	4.70E-02	9.32E-03	Yes
HP-52 H-Area Tank Farm	3-Feb-15	6.14E-03	5.31E-03	No
	3-Mar-15	1.58E-02	5.43E-03	Yes
	7-Apr-15	1.32E-02	5.39E-03	Yes
	5-May-15	3.95E-02	8.67E-03	Yes
	2-Jun-15	2.15E-02	6.40E-03	Yes
	7-Jul-15	3.46E-02	7.92E-03	Yes
	4-Aug-15	1.66E-02	5.88E-03	Yes
	9-Sep-15	2.42E-02	7.21E-03	Yes
	6-Oct-15	2.55E-02	7.40E-03	Yes
	3-Nov-15	2.22E-02	6.63E-03	Yes
	8-Dec-15	3.95E-02	8.96E-03	Yes
	5-Jan-16	3.00E-02	7.56E-03	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Miscellaneous Locations (continued)

Location	Sample Date	U-238		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Mary's Branch	3-Feb-15	4.43E-02	1.32E-02	Yes
	3-Mar-15	6.05E-02	1.63E-02	Yes
	7-Apr-15	5.30E-02	1.59E-02	Yes
	5-May-15	5.19E-02	1.45E-02	Yes
	2-Jun-15	1.15E-02	7.51E-03	No
	7-Jul-15	5.76E-02	1.45E-02	Yes
	4-Aug-15	1.71E-01	2.69E-02	Yes
	9-Sep-15	1.16E-01	2.13E-02	Yes
	6-Oct-15	5.84E-02	1.75E-02	Yes
	3-Nov-15	9.46E-02	2.03E-02	Yes
	8-Dec-15	4.49E-02	1.41E-02	Yes
	5-Jan-16	1.45E-01	2.38E-02	Yes
TNX-008	3-Feb-15	2.07E-01	2.55E-02	Yes
	3-Mar-15	2.26E-01	2.65E-02	Yes
	7-Apr-15	1.58E-01	1.96E-02	Yes
	5-May-15	7.92E-02	1.31E-02	Yes
	2-Jun-15	6.57E-02	1.18E-02	Yes
	7-Jul-15	7.54E-02	1.26E-02	Yes
	4-Aug-15	5.43E-02	1.09E-02	Yes
	9-Sep-15	3.24E-02	8.38E-03	Yes
	6-Oct-15	3.68E-02	1.10E-02	Yes
	3-Nov-15	6.73E-02	1.34E-02	Yes
	8-Dec-15	6.41E-02	1.32E-02	Yes
	5-Jan-16	5.11E-02	1.20E-02	Yes

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Miscellaneous Locations (continued)

Location	Sample Date	Pu-238			Pu-239		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
G-010	3-Feb-15	9.38E-03	4.26E-03	No	4.38E-03	3.48E-03	No
	3-Mar-15	2.04E-02	6.08E-03	Yes	2.26E-03	2.67E-03	No
	7-Apr-15	4.11E-03	3.32E-03	No	1.76E-03	1.79E-03	No
	5-May-15	2.02E-03	2.02E-03	No	4.03E-03	2.89E-03	No
	2-Jun-15	2.35E-03	2.03E-03	No	-2.81E-05	1.88E-03	No
	7-Jul-15	3.30E-03	2.47E-03	No	-1.65E-03	2.52E-03	No
	4-Aug-15	3.49E-03	2.80E-03	No	1.49E-03	1.51E-03	No
	9-Sep-15	1.15E-02	4.74E-03	Yes	5.70E-03	3.45E-03	No
	6-Oct-15	1.07E-02	5.18E-03	Yes	6.70E-03	4.27E-03	No
	3-Nov-15	7.95E-03	4.62E-03	No	1.58E-03	1.70E-03	No
	8-Dec-15	1.63E-02	5.30E-03	Yes	6.51E-03	3.38E-03	No
	5-Jan-16	1.92E-01	2.33E-02	Yes	1.86E-03	2.08E-03	No
HP-52 H-Area Tank Farm	3-Feb-15	3.08E-02	7.98E-03	Yes	0.00E+00	2.21E-03	No
	3-Mar-15	1.68E-02	5.65E-03	Yes	3.78E-03	3.05E-03	No
	7-Apr-15	4.46E-03	3.74E-03	No	5.54E-04	2.02E-03	No
	5-May-15	3.57E-02	8.96E-03	Yes	1.30E-03	3.32E-03	No
	2-Jun-15	1.68E-01	2.05E-02	Yes	4.68E-03	3.87E-03	No
	7-Jul-15	1.62E-02	5.99E-03	Yes	6.73E-04	2.45E-03	No
	4-Aug-15	4.00E-03	3.22E-03	No	2.86E-03	3.40E-03	No
	9-Sep-15	5.97E-03	3.80E-03	No	-1.21E-03	1.31E-03	No
	6-Oct-15	5.00E-04	1.82E-03	No	1.50E-03	1.52E-03	No
	3-Nov-15	4.46E-03	2.59E-03	No	9.81E-04	2.58E-03	No
	8-Dec-15	8.41E-03	3.81E-03	Yes	5.03E-03	3.01E-03	No
	5-Jan-16	2.18E-02	6.65E-03	Yes	6.38E-03	3.21E-03	No

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Miscellaneous Locations (continued)

Location	Sample Date	Pu-238			Pu-239		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
TNX-008	3-Feb-15	8.24E-03	4.49E-03	No	6.35E-04	2.55E-03	No
	3-Mar-15	7.32E-03	3.87E-03	No	6.11E-04	2.28E-03	No
	7-Apr-15	1.48E-02	5.11E-03	Yes	3.84E-03	3.08E-03	No
	5-May-15	2.73E-02	7.59E-03	Yes	3.57E-03	2.53E-03	No
	2-Jun-15	1.69E-02	5.73E-03	Yes	1.63E-03	1.64E-03	No
	7-Jul-15	1.39E-02	7.89E-03	No	-3.97E-03	3.65E-03	No
	4-Aug-15	5.35E-03	3.41E-03	No	-5.43E-04	2.26E-03	No
	9-Sep-15	8.24E-03	3.70E-03	No	-5.49E-04	2.30E-03	No
	6-Oct-15	1.58E-03	3.36E-03	No	2.11E-03	2.55E-03	No
	3-Nov-15	7.62E-03	4.16E-03	No	-1.05E-05	7.01E-04	No
	8-Dec-15	8.11E-03	4.59E-03	No	0.00E+00	2.04E-03	No
	5-Jan-16	3.57E-02	8.50E-03	Yes	-1.32E-03	1.32E-03	No

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Miscellaneous Locations (continued)

Location	Sample Date	Am-241			Cm-244		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
G-010	3-Feb-15	5.22E-03	3.42E-03	No	1.21E-02	4.69E-03	Yes
	3-Mar-15	9.24E-03	4.30E-03	Yes	3.05E-03	3.61E-03	No
	7-Apr-15	1.51E-02	5.27E-03	Yes	2.21E-03	2.60E-03	No
	5-May-15	1.04E-02	5.03E-03	Yes	-2.51E-06	1.50E-04	No
	2-Jun-15	1.04E-02	4.58E-03	Yes	5.38E-04	2.00E-03	No
	7-Jul-15	3.43E-03	2.69E-03	No	-2.27E-03	1.62E-03	No
	4-Aug-15	5.22E-03	3.19E-03	No	1.73E-03	1.73E-03	No
	9-Sep-15	1.72E-02	6.06E-03	Yes	2.43E-03	2.86E-03	No
	6-Oct-15	4.70E-03	3.95E-03	No	0.00E+00	2.14E-03	No
	3-Nov-15	0.00E+00	2.19E-03	No	1.84E-03	1.84E-03	No
	8-Dec-15	1.43E-02	6.16E-03	Yes	1.62E-03	1.83E-03	No
	5-Jan-16	1.34E-02	5.14E-03	Yes	-1.85E-06	1.10E-04	No
HP-52 H-Area Tank Farm	3-Feb-15	1.03E-02	4.63E-03	Yes	-3.97E-06	2.46E-04	No
	3-Mar-15	3.49E-03	2.60E-03	No	-1.16E-03	1.17E-03	No
	7-Apr-15	4.22E-03	3.45E-03	No	5.35E-03	3.11E-03	No
	5-May-15	9.41E-03	4.32E-03	No	-1.24E-03	1.24E-03	No
	2-Jun-15	3.92E-03	3.16E-03	No	-1.12E-03	1.15E-03	No
	7-Jul-15	3.81E-03	2.95E-03	No	6.30E-04	2.29E-03	No
	4-Aug-15	5.81E-03	3.82E-03	No	0.00E+00	2.15E-03	No
	9-Sep-15	2.13E-03	2.50E-03	No	1.05E-03	2.69E-03	No
	6-Oct-15	1.18E-02	4.58E-03	Yes	5.57E-04	1.96E-03	No
	3-Nov-15	1.68E-03	2.03E-03	No	6.65E-03	3.35E-03	No
	8-Dec-15	6.46E-03	4.04E-03	No	3.73E-03	3.13E-03	No
	5-Jan-16	1.37E-02	5.23E-03	Yes	5.78E-03	3.38E-03	No

Table 30 Radionuclides in Savannah River Site Stream Water (continued)

Stream: Miscellaneous Locations (continued)

Location	Sample Date	Tc-99		
		Result (pCi/L)	Standard Deviation (pCi/L)	Significant
G-010	3-Feb-15	3-Feb-15	2.81E+00	8.84E-01
	3-Mar-15	3-Mar-15	2.15E+00	1.01E+00
	7-Apr-15	7-Apr-15	-5.68E-01	7.63E-01
	5-May-15	5-May-15	1.44E+00	7.63E-01
	2-Jun-15	2-Jun-15	1.71E+00	7.96E-01
	7-Jul-15	7-Jul-15	1.41E+00	7.77E-01
	4-Aug-15	4-Aug-15	1.79E+00	7.64E-01
	9-Sep-15	9-Sep-15	2.02E+00	8.49E-01
	6-Oct-15	6-Oct-15	1.39E-01	7.62E-01
	3-Nov-15	3-Nov-15	1.37E+00	8.05E-01
	8-Dec-15	8-Dec-15	2.33E+00	8.72E-01
	5-Jan-16	5-Jan-16	4.49E+00	1.05E+00
TNX-008	3-Feb-15	20-Jan-15	1.95E+00	8.25E-01

Table 31 Migration of Radioactivity from Seepage Basins and the Solid Waste Disposal Facility

Location	Source Description	2011	2012	2013	2014	2015
		Tritium (curies)				
FMA7-(FM3A+FM2B)	200-F seepage basins to Fourmile Branch	13.0	32.6	49.1	118	111
FM2B-(FM1C+H17+H18+HP52)	200-H seepage basins to Fourmile Branch	68.0	63.8	111	77	106
FM3A-(FM3+F12+F13)	200-H seepage basin 4 and Solid Waste Disposal Facility to Fourmile Branch	457	272	392	228	160
(U3R4)-(Direct)	Solid Waste Disposal Facility to Upper Three Runs	68.3	69.9	158	49.3	79.8
(PB3)-(K Canal)	K-Area retention basin to Indian Grave Branch	197	212	202	186	195
FMA7-(FM3A+FM2B)	200-F seepage basins to Fourmile Branch	13.0	32.6	49.1	118	111
		Cesium-137 (millicuries)				
FMA7-(FM3A+FM2B)	200-F seepage basins to fourmile Branch	a	a	2.50	22.0	a
FM2B-(FM1C+H17+H18+HP52)	200-H seepage basins to fourmile Branch	19.5	46.3	a	22.3	a
FM3A-(FM3+F12+F13)	200-H seepage basin 4 and Solid Waste Disposal Facility to fourmile Branch	a	a	a	a	a
		Total Strontium (millicuries)				
FMA7-(FM3A+FM2B)	200-F seepage basins to fourmile Branch	3.70	2.50	2.33	32.3	11.7
FM2B-(FM1C+H17+H18+HP52)	200-H seepage basins to fourmile Branch	10.4	13.0	18.5	19.6	11.9
FM3A-(FM3+F12+F13)	200-H seepage basin 4 and Solid Waste Disposal Facility to fourmile Branch	1.10	a	0.19	a	0.05
		Iodine-129 (millicuries)				
FMA7-(FM3A+FM2B)	200-F seepage basins to fourmile Branch	13.1	11.7	19.9	23.0	14.4
FM2B-(FM1C+H17+H18+HP52)	200-H seepage basins to fourmile Branch	1.59	1.54	7.07	1.52	a
FM3A-(FM3+F12+F13)	200-H seepage basin 4 and Solid Waste Disposal Facility to fourmile Branch	0.08	a	a	a	a
		Technetium-99 (millicuries)				
FMA7-(FM3A+FM2B)	200-F seepage basins to fourmile Branch	8.25	4.71	a	19.7	6.3
FM2B-(FM1C+H17+H18+HP52)	200-H seepage basins to fourmile Branch	2.32	5.88	18.02	6.39	6.2
FM3A-(FM3+F12+F13)	200-H seepage basin 4 and Solid Waste Disposal Facility to fourmile Branch	a	a	a	0.05	a

**Table 31 Migration of Radioactivity from Seepage Basins and the Solid Waste Disposal Facility
(continued)**

Location	Source Description	2011	2012	2013	2014	2015
		Uranium-234 (millicuries)				
FMA7-(FM3A+FM2B)	200-F seepage basins to fourmile Branch	b	b	b	22.9	1.33
FM2B-(FM1C+H17+H18+HP52)	200-H seepage basins to fourmile Branch	b	2.36	b	0.31	a
FM3A-(FM3+F12+F13)	200-H seepage basin 4 and Solid Waste Disposal Facility to fourmile Branch	b	b	b	a	0.26
(U3R4)-(Direct)	Solid Waste Disposal Facility to Upper Three Runs	65	72.1	45.1	48.9	66.03
		Uranium-235 (millicuries)				
FMA7-(FM3A+FM2B)	200-F seepage basins to fourmile Branch	b	b	b	1.18	0.09
FM2B-(FM1C+H17+H18+HP52)	200-H seepage basins to fourmile Branch	b	0.1	b	0.01	a
FM3A-(FM3+F12+F13)	200-H seepage basin 4 and Solid Waste Disposal Facility to fourmile Branch	b	b	b	a	0.02
(U3R4)-(Direct)	Solid Waste Disposal Facility to Upper Three Runs	3.05	3.72	2.82	2.46	2.39
		Uranium-238 (millicuries)				
FMA7-(FM3A+FM2B)	200-F seepage basins to fourmile Branch	b	b	b	28.4	1.79
FM2B-(FM1C+H17+H18+HP52)	200-H seepage basins to fourmile Branch	b	2.18	b	0.23	a
FM3A-(FM3+F12+F13)	200-H seepage basin 4 and Solid Waste Disposal Facility to fourmile Branch	b	b	b	a	0.25
(U3R4)-(Direct)	Solid Waste Disposal Facility to Upper Three Runs	78.3	74.9	54.9	55.8	73.36
		Plutonium-238 (millicuries)				
FMA7-(FM3A+FM2B)	200-F seepage basins to fourmile Branch	b	b	b	0.03	0.27
FM2B-(FM1C+H17+H18+HP52)	200-H seepage basins to fourmile Branch	b	a	b	a	a
FM3A-(FM3+F12+F13)	200-H seepage basin 4 and Solid Waste Disposal Facility to fourmile Branch	b	b	b	a	0.04
(U3R4)-(Direct)	Solid Waste Disposal Facility to Upper Three Runs	b	a	a	a	a
FMA7-(FM3A+FM2B)	200-F seepage basins to fourmile Branch	b	b	b	0.03	0.27

**Table 31 Migration of Radioactivity from Seepage Basins and the Solid Waste Disposal Facility
(continued)**

Location	Source Description	2011	2012	2013	2014	2015
		Plutonium-239 (millicuries)				
FMA7-(FM3A+FM2B)	200-F seepage basins to fourmile Branch	b	b	b	0.13	0.10
FM2B-(FM1C+H17+H18+HP52)	200-H seepage basins to fourmile Branch	b	a	b	a	a
FM3A-(FM3+F12+F13)	200-H seepage basin 4 and Solid Waste Disposal Facility to fourmile Branch	b	b	b	a	a
(U3R4)-(Direct)	Solid Waste Disposal Facility to Upper Three Runs	b	a	a	a	a
		Americium-241 (millicuries)				
FMA7-(FM3A+FM2B)	200-F seepage basins to fourmile Branch	b	b	b	0.42	0.13
FM2B-(FM1C+H17+H18+HP52)	200-H seepage basins to fourmile Branch	b	0.65	b	0.06	a
FM3A-(FM3+F12+F13)	200-H seepage basin 4 and Solid Waste Disposal Facility to fourmile Branch	b	b	b	0.003	0.038
(U3R4)-(Direct)	Solid Waste Disposal Facility to Upper Three Runs	b	3.22	4.22	2.87	a
		Curium-244 (millicuries)				
FMA7-(FM3A+FM2B)	200-F seepage basins to fourmile Branch	b	b	b	0.44	0.06
FM2B-(FM1C+H17+H18+HP52)	200-H seepage basins to fourmile Branch	b	0.67	b	0.04	a
FM3A-(FM3+F12+F13)	200-H seepage basin 4 and Solid Waste Disposal Facility to fourmile Branch	b	b	b	a	0.054
(U3R4)-(Direct)	Solid Waste Disposal Facility to Upper Three Runs	b	a	a	a	a

- a. Not detected
- b. Not analyzed for that year

Table 32 Radionuclides in Savannah River Water

Location: Beaver Dam Creek River Mouth

Radionuclide	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
H-3	20-Jan-15	-1.01E+02	1.23E+02	No
Co-60	20-Jan-15	2.49E+00	2.02E+00	No
Cs-137	20-Jan-15	-3.62E-01	1.99E+00	No
Sr-89/90	20-Jan-15	4.46E-01	2.04E-01	No
U-234	20-Jan-15	3.38E-02	8.36E-03	Yes
U-235	20-Jan-15	6.46E-03	3.78E-03	No
U-238	20-Jan-15	2.09E-02	6.19E-03	Yes
Pu-238	20-Jan-15	7.35E-03	5.00E-03	No
Pu-239	20-Jan-15	1.83E-03	1.85E-03	No
Am-241	20-Jan-15	1.43E-02	5.04E-03	Yes
Cm-244	20-Jan-15	4.73E-03	2.78E-03	No
Tc-99	20-Jan-15	1.02E+00	7.80E-01	No
Gross B	20-Jan-15	2.51E+00	2.35E-01	Yes
Gross A	20-Jan-15	1.95E-02	6.55E-02	No

Table 32 Radionuclides in Savannah River Water (continued)

Location: River Mile 118.8

Sample Date	H-3 (tritium)			Co-60		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
6-Jan-15	1.72E+02	4.41E+01	Yes	2.50E-01	2.14E-01	No
13-Jan-15	2.15E+02	4.51E+01	Yes	-1.35E-01	2.87E-01	No
20-Jan-15	4.11E+02	4.63E+01	Yes	-9.68E-02	3.01E-01	No
26-Jan-15	3.11E+02	5.77E+01	Yes			
27-Jan-15	3.22E+02	4.39E+01	Yes	-4.95E-01	2.94E-01	No
3-Feb-15	3.49E+02	4.52E+01	Yes	-2.84E-02	4.13E-01	No
10-Feb-15	3.08E+02	4.62E+01	Yes	-5.59E-01	3.76E-01	No
17-Feb-15	4.49E+02	4.86E+01	Yes	1.72E-01	3.21E-01	No
24-Feb-15	2.04E+02	4.47E+01	Yes	2.38E-01	3.68E-01	No
3-Mar-15	3.95E+02	4.59E+01	Yes	4.08E-02	3.20E-01	No
10-Mar-15	2.32E+02	4.53E+01	Yes	2.40E-01	3.80E-01	No
17-Mar-15	2.49E+02	4.51E+01	Yes	4.49E-01	3.05E-01	No
24-Mar-15	2.42E+02	4.44E+01	Yes	1.51E-02	3.42E-01	No
30-Mar-15	2.89E+02	4.49E+01	Yes	-5.62E-01	3.90E-01	No
7-Apr-15	4.59E+02	4.91E+01	Yes	6.62E-01	2.46E-01	No
14-Apr-15	2.92E+02	4.54E+01	Yes	6.11E-01	3.50E-01	No
21-Apr-15	4.46E+02	4.97E+01	Yes	2.43E-01	2.29E-01	No
28-Apr-15	1.75E+02	4.45E+01	Yes	1.37E-01	1.94E-01	No
5-May-15	2.55E+02	4.53E+01	Yes	3.24E-01	3.35E-01	No
12-May-15	1.34E+02	4.42E+01	Yes	6.16E-02	2.14E-01	No
19-May-15	1.95E+02	4.49E+01	Yes	7.38E-01	4.23E-01	No
26-May-15	4.19E+02	4.56E+01	Yes	-2.03E-01	2.97E-01	No
2-Jun-15	1.19E+03	5.69E+01	Yes	5.32E-02	3.19E-01	No
9-Jun-15	4.46E+02	4.94E+01	Yes	2.65E-01	2.61E-01	No
15-Jun-15	7.76E+02	5.29E+01	Yes	8.95E-02	2.80E-01	No
23-Jun-15	3.76E+02	4.86E+01	Yes	-1.96E-01	3.00E-01	No
29-Jun-15	2.39E+02	4.47E+01	Yes	2.42E-01	3.48E-01	No
7-Jul-15	1.97E+02	4.63E+01	Yes	-1.81E-01	2.66E-01	No
14-Jul-15	1.59E+02	4.61E+01	Yes	-1.90E-01	2.10E-01	No
21-Jul-15	2.84E+02	5.07E+01	Yes	4.05E-02	2.25E-01	No
28-Jul-15	6.65E+02	5.13E+01	Yes	1.50E-01	3.33E-01	No
4-Aug-15	7.89E+02	6.10E+01	Yes	3.03E-01	3.13E-01	No
11-Aug-15	5.24E+02	4.94E+01	Yes	1.16E-01	2.63E-01	No
18-Aug-15	3.32E+02	4.67E+01	Yes	-3.14E-01	2.36E-01	No

Table 32 Radionuclides in Savannah River Water (continued)

Location: River Mile 118.8 (continued)

Sample Date	H-3 (tritium)			Co-60		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
25-Aug-15	4.70E+02	4.98E+01	Yes	4.89E-01	2.38E-01	No
1-Sep-15	1.78E+02	4.67E+01	Yes	1.90E-02	3.77E-01	No
8-Sep-15	3.97E+02	4.72E+01	Yes	-4.05E-01	2.31E-01	No
18-Sep-15	7.78E+02	5.39E+01	Yes	5.78E-02	2.13E-01	No
22-Sep-15	4.92E+03	8.53E+01	Yes	2.35E-01	1.98E-01	No
29-Sep-15	5.11E+02	4.89E+01	Yes	-9.19E-02	4.01E-01	No
6-Oct-15	3.49E+02	4.77E+01	Yes	3.84E-01	3.36E-01	No
13-Oct-15	5.32E+02	5.02E+01	Yes	-2.67E-01	3.16E-01	No
20-Oct-15	8.92E+02	5.47E+01	Yes	-4.43E-02	3.74E-01	No
27-Oct-15	1.59E+03	6.21E+01	Yes	1.05E-01	2.52E-01	No
3-Nov-15	6.32E+02	5.17E+01	Yes	-3.14E-01	1.93E-01	No
10-Nov-15	1.44E+02	4.60E+01	Yes	-5.35E-01	3.65E-01	No
17-Nov-15	2.45E+02	4.84E+01	Yes	1.74E-01	4.00E-01	No
23-Nov-15	1.56E+02	4.46E+01	Yes	-2.70E-01	2.66E-01	No
1-Dec-15	2.25E+02	4.55E+01	Yes	4.11E-01	2.94E-01	No
8-Dec-15	3.46E+02	4.64E+01	Yes	3.81E-01	2.15E-01	No
15-Dec-15	2.78E+02	4.55E+01	Yes	4.19E-01	3.57E-01	No
21-Dec-15	1.91E+02	4.49E+01	Yes	-1.38E-01	3.19E-01	No
28-Dec-15	1.38E+02	4.26E+01	Yes	-7.92E-02	3.02E-01	No

Table 32 Radionuclides in Savannah River Water (continued)**Location: River Mile 118.8 (continued)**

Sample Date	Cs-137			Gross Beta		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
6-Jan-15	-2.49E-01	2.63E-01	No	2.12E+00	2.26E-01	Yes
13-Jan-15	-1.24E-01	3.41E-01	No	2.09E+00	2.09E-01	Yes
20-Jan-15	2.73E-01	3.96E-01	No	1.94E+00	2.05E-01	Yes
27-Jan-15	-7.35E-02	3.50E-01	No	1.95E+00	2.05E-01	Yes
3-Feb-15	-2.92E-02	4.29E-01	No	2.24E+00	2.14E-01	Yes
10-Feb-15	1.58E-01	4.09E-01	No	1.99E+00	2.07E-01	Yes
17-Feb-15	-1.85E-01	3.61E-01	No	2.10E+00	2.28E-01	Yes
24-Feb-15	1.78E-01	3.87E-01	No	1.86E+00	2.03E-01	Yes
3-Mar-15	1.94E-01	3.00E-01	No	2.10E+00	2.28E-01	Yes
10-Mar-15	6.30E-02	4.32E-01	No	2.01E+00	2.23E-01	Yes
17-Mar-15	-8.32E-02	3.49E-01	No	1.75E+00	2.13E-01	Yes
24-Mar-15	1.13E-01	3.40E-01	No	2.08E+00	2.30E-01	Yes
30-Mar-15	5.35E-01	3.65E-01	No	1.60E+00	2.05E-01	Yes
7-Apr-15	2.78E-01	2.54E-01	No	1.92E+00	2.14E-01	Yes
14-Apr-15	5.73E-01	3.36E-01	No	2.18E+00	2.21E-01	Yes
21-Apr-15	-5.27E-02	2.42E-01	No	1.74E+00	2.03E-01	Yes
28-Apr-15	-5.70E-02	2.16E-01	No	1.96E+00	2.03E-01	Yes
5-May-15	-3.35E-02	3.55E-01	No	2.14E+00	2.10E-01	Yes
12-May-15	1.09E-01	2.59E-01	No	1.99E+00	2.04E-01	Yes
19-May-15	3.62E-01	4.73E-01	No	2.18E+00	2.18E-01	Yes
26-May-15	-1.12E-01	3.92E-01	No	1.98E+00	2.17E-01	Yes
2-Jun-15	2.78E-01	3.41E-01	No	2.38E+00	2.18E-01	Yes
9-Jun-15	-9.81E-03	2.82E-01	No	1.59E+00	1.49E-01	Yes
15-Jun-15	9.03E-02	3.39E-01	No	1.78E+00	2.09E-01	Yes
23-Jun-15	1.62E-01	2.99E-01	No	1.30E+00	1.88E-01	Yes
29-Jun-15	4.65E-01	4.13E-01	No	1.75E+00	2.03E-01	Yes
7-Jul-15	2.14E-02	3.77E-01	No	2.25E+00	2.19E-01	Yes
14-Jul-15	-8.49E-02	2.42E-01	No	1.72E+00	2.08E-01	Yes
21-Jul-15	7.57E-03	2.66E-01	No	1.73E+00	2.01E-01	Yes
28-Jul-15	-1.29E-02	4.06E-01	No	1.92E+00	2.09E-01	Yes
4-Aug-15	1.77E-01	3.58E-01	No	1.67E+00	1.99E-01	Yes
11-Aug-15	-2.52E-01	2.95E-01	No	2.35E+00	2.21E-01	Yes
18-Aug-15	-1.01E-02	2.67E-01	No	1.34E+00	1.88E-01	Yes

Table 32 Radionuclides in Savannah River Water (continued)

Location: River Mile 118.8 (continued)

Sample Date	Cs-137			Gross Beta		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
25-Aug-15	-1.38E-01	2.51E-01	No	1.76E+00	2.02E-01	Yes
1-Sep-15	9.65E-02	3.68E-01	No	2.36E+00	2.22E-01	Yes
8-Sep-15	1.90E-01	2.59E-01	No	2.18E+00	2.16E-01	Yes
18-Sep-15	-2.40E-01	2.09E-01	No	1.82E+00	2.05E-01	Yes
22-Sep-15	9.97E-02	2.34E-01	No	2.17E+00	2.17E-01	Yes
29-Sep-15	-5.49E-01	3.75E-01	No	1.89E+00	2.10E-01	Yes
6-Oct-15	3.49E-01	3.84E-01	No	1.81E+00	2.07E-01	Yes
13-Oct-15	-4.22E-01	3.17E-01	No	1.88E+00	2.17E-01	Yes
20-Oct-15	-3.30E-02	3.46E-01	No	1.81E+00	2.16E-01	Yes
27-Oct-15	-1.34E-01	2.73E-01	No	1.60E+00	2.06E-01	Yes
3-Nov-15	-4.14E-01	2.33E-01	No	2.02E+00	2.19E-01	Yes
10-Nov-15	-1.03E+00	3.93E-01	No	1.79E+00	2.11E-01	Yes
17-Nov-15	2.73E-01	3.77E-01	No	2.51E+00	2.33E-01	Yes
23-Nov-15	-2.29E-01	2.91E-01	No	1.67E+00	2.07E-01	Yes
1-Dec-15	5.65E-01	3.29E-01	No	1.94E+00	2.15E-01	Yes
8-Dec-15	-1.23E-01	2.30E-01	No	2.00E+00	2.18E-01	Yes
15-Dec-15	-3.24E-01	3.59E-01	No	1.82E+00	2.12E-01	Yes
21-Dec-15	-5.05E-02	3.24E-01	No	1.67E+00	2.11E-01	Yes
28-Dec-15	2.73E-01	3.87E-01	No	1.85E+00	2.04E-01	Yes

Table 32 Radionuclides in Savannah River Water (continued)**Location: River Mile 118.8 (continued)**

Sample Date	Gross Alpha		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
6-Jan-15	3.62E-01	1.18E-01	Yes
13-Jan-15	9.05E-02	8.59E-02	No
20-Jan-15	2.15E-01	1.07E-01	No
27-Jan-15	1.49E-01	9.52E-02	No
3-Feb-15	1.22E-01	9.21E-02	No
10-Feb-15	2.76E-01	1.16E-01	Yes
17-Feb-15	6.27E-01	1.52E-01	Yes
24-Feb-15	1.69E-01	9.48E-02	No
3-Mar-15	6.86E-01	1.50E-01	Yes
10-Mar-15	2.89E-01	1.13E-01	Yes
17-Mar-15	2.14E-01	9.67E-02	No
24-Mar-15	9.35E-01	1.71E-01	Yes
30-Mar-15	5.27E-01	1.33E-01	Yes
7-Apr-15	3.65E-01	1.16E-01	Yes
14-Apr-15	1.69E-01	9.09E-02	No
21-Apr-15	1.77E-01	8.92E-02	No
28-Apr-15	3.73E-01	1.18E-01	Yes
5-May-15	4.24E-01	1.29E-01	Yes
12-May-15	1.88E-01	9.67E-02	No
19-May-15	2.09E-01	9.56E-02	No
26-May-15	4.86E-01	1.31E-01	Yes
2-Jun-15	3.46E-01	1.21E-01	Yes
9-Jun-15	2.30E-01	7.29E-02	Yes
15-Jun-15	3.38E-01	1.13E-01	Yes
23-Jun-15	2.32E-01	9.74E-02	Yes
29-Jun-15	2.17E-01	1.10E-01	No
7-Jul-15	4.51E-01	1.30E-01	Yes
14-Jul-15	2.54E-01	1.12E-01	No
21-Jul-15	6.51E-02	7.98E-02	No
28-Jul-15	9.97E-02	9.24E-02	No
4-Aug-15	1.22E-01	8.96E-02	No
11-Aug-15	6.68E-02	8.21E-02	No
18-Aug-15	9.89E-02	9.13E-02	No

Table 32 Radionuclides in Savannah River Water (continued)**Location: River Mile 118.8 (continued)**

Sample Date	Gross Alpha		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
25-Aug-15	2.62E-01	1.09E-01	Yes
1-Sep-15	1.86E-01	1.03E-01	No
8-Sep-15	6.54E-02	8.03E-02	No
18-Sep-15	2.38E-01	1.07E-01	Yes
22-Sep-15	1.34E-02	7.97E-02	No
29-Sep-15	1.39E-02	7.12E-02	No
6-Oct-15	1.31E-01	9.09E-02	No
13-Oct-15	3.41E-01	1.10E-01	Yes
20-Oct-15	4.41E-01	1.25E-01	Yes
27-Oct-15	1.60E-01	1.01E-01	No
3-Nov-15	1.83E-01	1.02E-01	No
10-Nov-15	1.74E-01	9.71E-02	No
17-Nov-15	2.23E-01	1.03E-01	No
23-Nov-15	2.17E-01	9.97E-02	No
1-Dec-15	2.42E-01	1.03E-01	Yes
8-Dec-15	1.39E-01	7.81E-02	No
15-Dec-15	8.76E-02	6.89E-02	No
21-Dec-15	3.62E-01	1.12E-01	Yes
28-Dec-15	2.92E-01	1.04E-01	Yes

Location: River Mile 118.8 (continued)

Radionuclide	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Sr-89/90	20-Jan-15	2.48E-01	1.99E-01	No
U-234	20-Jan-15	2.56E-02	6.91E-03	Yes
U-235	20-Jan-15	-2.36E-06	1.43E-04	No
U-238	20-Jan-15	1.87E-02	5.76E-03	Yes
Pu-238	20-Jan-15	-5.65E-04	2.13E-03	No
Pu-239	20-Jan-15	6.76E-03	3.44E-03	No
Am-241	20-Jan-15	5.22E-03	3.20E-03	No
Cm-244	20-Jan-15	5.76E-03	3.69E-03	No
Tc-99	20-Jan-15	5.41E-06	7.57E-01	No

Table 32 Radionuclides in Savannah River Water (continued)

Location: River Mile 141.5

Sample Date	H-3 (tritium)			Co-60		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
6-Jan-15	3.27E+02	5.49E+01	Yes	-2.28E-02	1.73E-01	No
13-Jan-15	2.60E+02	5.73E+01	Yes	-1.08E-01	5.56E-01	No
20-Jan-15	4.70E+02	5.95E+01	Yes	-8.70E-02	3.77E-01	No
27-Jan-15	3.78E+02	5.92E+01	Yes	-3.78E-01	2.24E-01	No
3-Feb-15	3.51E+02	5.92E+01	Yes	1.15E-01	2.42E-01	No
10-Feb-15	2.63E+02	5.80E+01	Yes	3.49E-02	1.91E-01	No
17-Feb-15	5.81E+02	5.97E+01	Yes	7.30E-01	2.90E-01	No
24-Feb-15	3.27E+02	5.87E+01	Yes	9.30E-02	3.27E-01	No
3-Mar-15	5.57E+02	5.96E+01	Yes	1.40E-01	3.46E-01	No
10-Mar-15	3.49E+02	5.68E+01	Yes	2.11E-02	2.29E-01	No
17-Mar-15	4.43E+02	5.70E+01	Yes	-2.45E-01	3.00E-01	No
24-Mar-15	5.38E+02	5.87E+01	Yes	-4.24E-02	2.65E-01	No
30-Mar-15	2.60E+02	5.77E+01	Yes	1.81E-01	4.55E-01	No
7-Apr-15	5.05E+02	5.90E+01	Yes	-2.78E-01	2.62E-01	No
14-Apr-15	4.57E+02	5.58E+01	Yes	-3.08E-01	2.66E-01	No
21-Apr-15	7.73E+02	6.11E+01	Yes	4.24E-01	2.45E-01	No
28-Apr-15	2.04E+02	5.69E+01	Yes	2.95E-01	2.12E-01	No
5-May-15	3.24E+02	5.69E+01	Yes	3.89E-02	2.37E-01	No
12-May-15	2.59E+02	5.70E+01	Yes	9.16E-01	9.78E-01	No
19-May-15	4.49E+00	5.89E+01	No	3.68E-01	2.85E-01	No
26-May-15	6.19E+02	5.85E+01	Yes	-1.18E-01	2.05E-01	No
2-Jun-15	1.24E+03	6.69E+01	Yes	-4.43E-02	2.73E-01	No
9-Jun-15	5.81E+02	6.24E+01	Yes	-1.89E-01	3.29E-01	No
15-Jun-15	7.32E+02	6.14E+01	Yes	-7.24E-02	2.22E-01	No
23-Jun-15	5.08E+02	5.87E+01	Yes	4.92E-02	2.52E-01	No
29-Jun-15	2.25E+02	5.75E+01	Yes	4.24E-02	2.66E-01	No
7-Jul-15	3.46E+02	6.23E+01	Yes	5.32E-01	2.24E-01	No
14-Jul-15	2.67E+02	5.71E+01	Yes	-5.22E-01	2.70E-01	No
21-Jul-15	2.84E+02	5.83E+01	Yes	-1.20E-01	2.82E-01	No
28-Jul-15	5.62E+02	6.16E+01	Yes	-3.95E-01	2.58E-01	No
4-Aug-15	5.32E+02	4.96E+01	Yes	-1.12E-01	2.39E-01	No
11-Aug-15	7.05E+02	6.09E+01	Yes	-1.14E-02	3.28E-01	No
18-Aug-15	4.08E+02	5.91E+01	Yes	1.21E-02	2.13E-01	No

Table 32 Radionuclides in Savannah River Water (continued)

Location: River Mile 141.5 (continued)

Sample Date	H-3 (tritium)			Co-60		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
25-Aug-15	4.92E+02	6.01E+01	Yes	5.78E-02	3.36E-01	No
1-Sep-15	3.05E+02	5.72E+01	Yes	1.47E-01	2.22E-01	No
8-Sep-15	2.81E+02	5.83E+01	Yes	5.65E-02	2.43E-01	No
18-Sep-15	1.05E+03	6.55E+01	Yes	1.02E-01	2.07E-01	No
22-Sep-15	3.86E+02	5.82E+01	Yes	3.70E-01	1.63E-01	No
29-Sep-15	2.69E+02	5.81E+01	Yes	2.50E-01	3.27E-01	No
6-Oct-15	3.73E+02	5.81E+01	Yes	9.30E-02	2.97E-01	No
13-Oct-15	6.24E+02	5.58E+01	Yes	2.69E-02	1.78E-01	No
20-Oct-15	1.07E+03	6.45E+01	Yes	1.68E-01	2.23E-01	No
27-Oct-15	1.61E+03	6.94E+01	Yes	-8.95E-02	2.81E-01	No
3-Nov-15	7.38E+02	6.13E+01	Yes	3.46E-01	2.00E-01	No
10-Nov-15	7.14E+01	5.88E+01	No	1.57E-01	2.70E-01	No
17-Nov-15	2.86E+02	5.64E+01	Yes	1.21E-01	2.80E-01	No
23-Nov-15	1.16E+02	5.42E+01	No	2.36E-01	2.72E-01	No
1-Dec-15	-7.14E+00	5.49E+01	No	3.30E-01	2.37E-01	No
8-Dec-15	1.72E+02	5.65E+01	Yes	4.00E-02	1.95E-01	No
15-Dec-15	2.06E+02	5.56E+01	Yes	8.16E-01	3.36E-01	No
21-Dec-15	2.10E+02	5.62E+01	Yes	2.60E-01	4.04E-01	No
28-Dec-15	1.54E+02	5.51E+01	Yes	3.65E-01	2.11E-01	No

Table 32 Radionuclides in Savannah River Water (continued)**Location: River Mile 141.5 (continued)**

Sample Date	Cs-137			Gross Beta		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
6-Jan-15	1.61E-01	2.12E-01	No	1.54E+00	2.06E-01	Yes
13-Jan-15	8.54E-01	6.84E-01	No	2.47E+00	2.22E-01	Yes
20-Jan-15	8.84E-01	4.80E-01	No	2.07E+00	2.09E-01	Yes
27-Jan-15	2.12E-01	2.68E-01	No	2.43E+00	2.20E-01	Yes
3-Feb-15	6.68E-02	2.57E-01	No	2.01E+00	2.06E-01	Yes
10-Feb-15	2.92E-01	2.55E-01	No	2.35E+00	2.18E-01	Yes
17-Feb-15	-1.05E-01	2.96E-01	No	1.99E+00	2.06E-01	Yes
24-Feb-15	1.45E-01	3.49E-01	No	2.29E+00	2.18E-01	Yes
3-Mar-15	2.20E-01	3.74E-01	No	2.23E+00	2.31E-01	Yes
10-Mar-15	2.73E-01	2.32E-01	No	1.93E+00	2.19E-01	Yes
17-Mar-15	-9.38E-02	3.30E-01	No	1.56E+00	2.06E-01	Yes
24-Mar-15	1.84E-02	2.63E-01	No	1.75E+00	2.14E-01	Yes
30-Mar-15	-2.55E-02	4.22E-01	No	1.94E+00	2.15E-01	Yes
7-Apr-15	2.69E-01	2.96E-01	No	1.98E+00	2.12E-01	Yes
14-Apr-15	2.55E-01	3.06E-01	No	2.56E+00	2.34E-01	Yes
21-Apr-15	4.59E-01	2.73E-01	No	2.11E+00	2.16E-01	Yes
28-Apr-15	7.92E-02	2.45E-01	No	1.51E+00	1.86E-01	Yes
5-May-15	-4.00E-02	2.42E-01	No	3.03E+00	2.37E-01	Yes
12-May-15	-2.02E-01	1.03E+00	No	2.42E+00	1.67E-01	Yes
19-May-15	1.34E-01	2.91E-01	No	1.68E+00	2.03E-01	Yes
26-May-15	1.84E-01	2.49E-01	No	1.77E+00	2.09E-01	Yes
2-Jun-15	3.19E-01	2.83E-01	No	1.98E+00	2.12E-01	Yes
9-Jun-15	1.86E-01	3.79E-01	No	1.75E+00	1.96E-01	Yes
15-Jun-15	3.22E-01	2.67E-01	No	1.77E+00	2.07E-01	Yes
23-Jun-15	1.96E-01	2.24E-01	No	1.43E+00	1.92E-01	Yes
29-Jun-15	1.32E-01	2.87E-01	No	1.67E+00	2.00E-01	Yes
7-Jul-15	-1.93E-01	2.34E-01	No	2.10E+00	2.13E-01	Yes
14-Jul-15	-7.30E-02	3.19E-01	No	1.76E+00	1.50E-01	Yes
21-Jul-15	-4.84E-01	3.22E-01	No	1.85E+00	2.05E-01	Yes
28-Jul-15	-5.14E-01	2.73E-01	No	1.83E+00	2.06E-01	Yes
4-Aug-15	2.18E-01	2.74E-01	No	1.99E+00	2.10E-01	Yes
11-Aug-15	-3.05E-02	3.15E-01	No	1.66E+00	2.00E-01	Yes
18-Aug-15	1.66E-01	2.37E-01	No	2.44E+00	2.26E-01	Yes

Table 32 Radionuclides in Savannah River Water (continued)

Location: River Mile 141.5 (continued)

Sample Date	Cs-137			Gross Beta		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
25-Aug-15	-7.03E-02	3.76E-01	No	2.17E+00	2.16E-01	Yes
1-Sep-15	-2.22E-01	2.34E-01	No	2.81E+00	2.36E-01	Yes
8-Sep-15	8.81E-02	2.58E-01	No	1.86E+00	2.06E-01	Yes
18-Sep-15	4.92E-02	2.04E-01	No	2.44E+00	2.25E-01	Yes
22-Sep-15	-1.62E-01	2.00E-01	No	1.77E+00	2.04E-01	Yes
29-Sep-15	-2.28E-01	3.66E-01	No	1.94E+00	2.12E-01	Yes
6-Oct-15	-1.31E-01	3.32E-01	No	1.83E+00	2.07E-01	Yes
13-Oct-15	5.41E-02	1.95E-01	No	2.09E+00	2.15E-01	Yes
20-Oct-15	-1.43E-01	2.48E-01	No	1.86E+00	2.14E-01	Yes
27-Oct-15	1.18E-02	2.77E-01	No	1.61E+00	2.06E-01	Yes
3-Nov-15	4.84E-02	2.21E-01	No	1.91E+00	2.10E-01	Yes
10-Nov-15	3.32E-01	2.85E-01	No	2.29E+00	2.27E-01	Yes
17-Nov-15	-3.54E-01	2.85E-01	No	2.07E+00	2.20E-01	Yes
23-Nov-15	-1.21E-02	3.13E-01	No	1.80E+00	2.11E-01	Yes
1-Dec-15	-1.08E-01	2.35E-01	No	1.61E+00	2.06E-01	Yes
8-Dec-15	-9.27E-02	2.08E-01	No	1.95E+00	2.18E-01	Yes
15-Dec-15	-8.59E-02	3.14E-01	No	1.67E+00	2.08E-01	Yes
21-Dec-15	-4.89E-01	3.99E-01	No	1.94E+00	2.18E-01	Yes
28-Dec-15	1.33E-01	2.22E-01	No	2.07E+00	2.11E-01	Yes

Table 32 Radionuclides in Savannah River Water (continued)**Location: River Mile 141.5 (continued)**

Sample Date	Gross Alpha		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
6-Jan-15	2.14E-01	9.67E-02	No
13-Jan-15	4.46E-01	1.34E-01	Yes
20-Jan-15	3.70E-01	1.21E-01	Yes
27-Jan-15	5.97E-02	7.88E-02	No
3-Feb-15	1.17E-01	8.84E-02	No
10-Feb-15	2.89E-01	1.13E-01	Yes
17-Feb-15	2.10E-01	1.05E-01	No
24-Feb-15	3.95E-01	1.24E-01	Yes
3-Mar-15	4.92E-01	1.31E-01	Yes
10-Mar-15	1.91E-01	9.52E-02	No
17-Mar-15	1.31E-01	8.36E-02	No
24-Mar-15	3.76E-01	1.17E-01	Yes
30-Mar-15	3.84E-01	1.17E-01	Yes
7-Apr-15	3.70E-01	1.16E-01	Yes
14-Apr-15	3.35E-01	1.18E-01	Yes
21-Apr-15	3.70E-01	1.15E-01	Yes
28-Apr-15	2.59E-01	1.03E-01	Yes
5-May-15	3.14E-01	1.11E-01	Yes
12-May-15	1.09E+00	1.32E-01	Yes
19-May-15	1.56E-01	8.32E-02	No
26-May-15	3.95E-01	1.20E-01	Yes
2-Jun-15	4.51E-01	1.24E-01	Yes
9-Jun-15	1.04E-01	8.35E-02	No
15-Jun-15	1.86E-01	8.88E-02	No
23-Jun-15	1.30E-02	5.71E-02	No
29-Jun-15	1.24E-01	9.36E-02	No
7-Jul-15	9.32E-02	8.49E-02	No
14-Jul-15	1.48E-01	7.41E-02	Yes
21-Jul-15	2.56E-01	1.07E-01	Yes
28-Jul-15	1.27E-01	9.59E-02	No
4-Aug-15	1.48E-01	9.24E-02	No
11-Aug-15	1.56E-01	1.00E-01	No
18-Aug-15	3.78E-01	1.27E-01	Yes

Table 32 Radionuclides in Savannah River Water (continued)**Location: River Mile 141.5 (continued)**

Sample Date	Gross Alpha		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
25-Aug-15	4.46E-01	1.29E-01	Yes
1-Sep-15	9.08E-01	1.73E-01	Yes
8-Sep-15	2.97E-01	1.16E-01	Yes
18-Sep-15	7.30E-01	1.57E-01	Yes
22-Sep-15	4.27E-02	8.40E-02	No
29-Sep-15	2.53E-01	1.10E-01	Yes
6-Oct-15	4.30E-02	7.53E-02	No
13-Oct-15	3.65E-01	1.17E-01	Yes
20-Oct-15	6.73E-02	6.96E-02	No
27-Oct-15	1.85E-01	1.03E-01	No
3-Nov-15	1.54E-01	9.17E-02	No
10-Nov-15	5.11E-01	1.35E-01	Yes
17-Nov-15	3.03E-01	1.13E-01	Yes
23-Nov-15	2.86E-01	1.06E-01	Yes
1-Dec-15	4.54E-02	8.13E-02	No
8-Dec-15	2.44E-01	9.40E-02	Yes
15-Dec-15	1.39E-01	7.73E-02	No
21-Dec-15	2.04E-01	9.17E-02	No
28-Dec-15	3.30E-01	1.05E-01	Yes

Location: River Mile 141.5 (continued)

Radionuclide	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Sr-89/90	20-Jan-15	-3.59E-02	1.71E-01	No
U-234	20-Jan-15	1.77E-02	6.64E-03	Yes
U-235	20-Jan-15	2.89E-03	3.43E-03	No
U-238	20-Jan-15	1.41E-02	5.06E-03	Yes
Pu-238	20-Jan-15	6.65E-03	3.62E-03	No
Pu-239	20-Jan-15	-1.02E-03	1.75E-03	No
Am-241	20-Jan-15	2.19E-03	2.72E-03	No
Cm-244	20-Jan-15	-3.70E-06	2.35E-04	No
Tc-99	20-Jan-15	-1.40E-01	7.56E-01	No

Table 32 Radionuclides in Savannah River Water (continued)

Location: River Mile 150.0

Sample Date	H-3 (tritium)			Co-60		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
6-Jan-15	3.27E+02	5.59E+01	Yes	1.64E-01	1.86E-01	No
13-Jan-15	-1.48E+00	5.66E+01	No	1.16E-01	1.95E-01	No
20-Jan-15	4.08E+02	5.87E+01	Yes	1.96E-01	1.65E-01	No
27-Jan-15	2.76E+02	4.40E+01	Yes	1.40E-01	2.52E-01	No
3-Feb-15	3.11E+02	5.83E+01	Yes	5.32E-02	2.09E-01	No
10-Feb-15	4.46E+02	5.95E+01	Yes	3.70E-01	2.25E-01	No
17-Feb-15	3.54E+02	5.82E+01	Yes	3.51E-01	2.64E-01	No
24-Feb-15	2.92E+02	5.79E+01	Yes	-2.30E-01	2.27E-01	No
3-Mar-15	4.51E+02	5.91E+01	Yes	-4.30E-02	2.55E-01	No
10-Mar-15	3.65E+02	5.73E+01	Yes	1.28E-02	2.49E-01	No
17-Mar-15	4.05E+02	5.62E+01	Yes	-2.70E-02	2.67E-01	No
24-Mar-15	4.22E+02	5.82E+01	Yes	5.84E-02	2.92E-01	No
30-Mar-15	3.05E+02	5.78E+01	Yes	-1.11E-01	2.45E-01	No
7-Apr-15	4.19E+02	5.80E+01	Yes	5.73E-02	2.05E-01	No
14-Apr-15	5.11E+02	5.83E+01	Yes	-1.22E-02	1.86E-01	No
21-Apr-15	5.43E+02	5.92E+01	Yes	1.64E-01	1.80E-01	No
28-Apr-15	1.10E+02	5.60E+01	No	5.95E-02	1.54E-01	No
5-May-15	3.30E+02	5.68E+01	Yes	3.00E-01	3.06E-01	No
12-May-15	2.39E+02	5.69E+01	Yes	5.00E-02	1.79E-01	No
19-May-15	1.65E+01	5.90E+01	No	-9.70E-02	2.33E-01	No
26-May-15	3.73E+02	5.66E+01	Yes	-3.84E-01	2.56E-01	No
2-Jun-15	1.97E+02	5.92E+01	Yes	4.57E-01	2.60E-01	No
9-Jun-15	3.27E+02	6.13E+01	Yes	1.82E-01	2.09E-01	No
15-Jun-15	3.05E+02	5.80E+01	Yes	1.09E-01	2.66E-01	No
23-Jun-15	1.61E+02	5.60E+01	Yes	-1.25E-01	2.43E-01	No
29-Jun-15	2.36E+02	5.79E+01	Yes	-1.01E-01	1.91E-01	No
7-Jul-15	2.28E+02	6.08E+01	Yes	1.05E-01	2.05E-01	No
14-Jul-15	3.54E+02	5.79E+01	Yes	4.16E-02	1.71E-01	No
21-Jul-15	3.03E+02	5.92E+01	Yes	-1.77E-01	2.59E-01	No
28-Jul-15	2.41E+02	5.98E+01	Yes	2.35E-01	1.95E-01	No
4-Aug-15	2.56E+02	4.82E+01	Yes	-1.26E-02	1.87E-01	No
11-Aug-15	2.09E+02	5.67E+01	Yes	-1.94E-02	1.68E-01	No
18-Aug-15	5.51E+02	5.96E+01	Yes	1.70E-01	2.07E-01	No

Table 32 Radionuclides in Savannah River Water (continued)

Location: River Mile 150.0 (continued)

Sample Date	H-3 (tritium)			Co-60		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
25-Aug-15	3.46E+02	5.87E+01	Yes	5.27E-01	2.08E-01	No
1-Sep-15	2.81E+02	5.75E+01	Yes	2.32E-01	2.62E-01	No
8-Sep-15	2.23E+02	5.84E+01	Yes	3.95E-01	2.07E-01	No
18-Sep-15	3.16E+02	5.80E+01	Yes	6.49E-01	2.13E-01	No
22-Sep-15	1.95E+02	5.70E+01	Yes	-2.28E-01	1.86E-01	No
29-Sep-15	2.69E+02	5.79E+01	Yes	-2.67E-01	2.33E-01	No
6-Oct-15	2.70E+02	5.76E+01	Yes	-3.14E-01	2.40E-01	No
13-Oct-15	1.79E+02	5.07E+01	Yes	7.22E-03	1.80E-01	No
20-Oct-15	1.92E+02	5.77E+01	Yes	-9.49E-02	1.77E-01	No
27-Oct-15	3.05E+02	5.98E+01	Yes	-7.11E-02	2.07E-01	No
3-Nov-15	2.89E+02	5.75E+01	Yes	3.68E-01	2.32E-01	No
10-Nov-15	2.78E+01	5.93E+01	No	-4.86E-01	2.80E-01	No
17-Nov-15	1.47E+02	5.69E+01	No	2.54E-01	2.52E-01	No
23-Nov-15	1.20E+02	5.52E+01	No	-1.01E-01	2.34E-01	No
1-Dec-15	5.49E+01	5.62E+01	No	-5.11E-03	1.85E-01	No
8-Dec-15	1.32E+02	5.68E+01	No	5.57E-02	1.89E-01	No
15-Dec-15	9.19E+01	5.49E+01	No	2.41E-01	2.24E-01	No
21-Dec-15	2.63E+02	5.64E+01	Yes	-3.76E-01	3.12E-01	No
28-Dec-15	1.44E+02	5.47E+01	No	2.25E-02	2.13E-01	No

Table 32 Radionuclides in Savannah River Water (continued)**Location: River Mile 150.0 (continued)**

Sample Date	Cs-137			Gross Beta		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
6-Jan-15	1.05E-01	1.92E-01	No	1.49E+00	2.05E-01	Yes
13-Jan-15	-8.19E-02	2.41E-01	No	2.30E+00	2.16E-01	Yes
20-Jan-15	6.22E-02	2.00E-01	No	2.01E+00	2.06E-01	Yes
27-Jan-15	-1.56E-01	2.83E-01	No	1.85E+00	2.01E-01	Yes
3-Feb-15	-9.41E-02	2.51E-01	No	2.09E+00	2.09E-01	Yes
10-Feb-15	1.75E-01	2.67E-01	No	1.96E+00	2.05E-01	Yes
17-Feb-15	5.03E-02	2.70E-01	No	2.21E+00	2.30E-01	Yes
24-Feb-15	1.01E-01	2.35E-01	No	2.81E+00	2.32E-01	Yes
3-Mar-15	1.57E-01	2.86E-01	No	2.11E+00	2.27E-01	Yes
10-Mar-15	5.00E-02	2.52E-01	No	2.52E+00	2.36E-01	Yes
17-Mar-15	-1.73E-01	2.86E-01	No	1.84E+00	2.18E-01	Yes
24-Mar-15	8.32E-02	3.20E-01	No	1.42E+00	2.03E-01	Yes
30-Mar-15	3.19E-01	2.80E-01	No	2.23E+00	2.23E-01	Yes
7-Apr-15	-3.35E-01	2.50E-01	No	1.67E+00	2.05E-01	Yes
14-Apr-15	2.01E-01	2.25E-01	No	1.91E+00	2.12E-01	Yes
21-Apr-15	-2.86E-01	2.18E-01	No	2.04E+00	2.13E-01	Yes
28-Apr-15	8.41E-02	2.05E-01	No	1.84E+00	1.99E-01	Yes
5-May-15	-2.97E-01	3.34E-01	No	1.74E+00	1.55E-01	Yes
12-May-15	3.03E-01	2.10E-01	No	1.76E+00	1.96E-01	Yes
19-May-15	1.83E-01	2.85E-01	No	1.30E+00	1.91E-01	Yes
26-May-15	-2.78E-01	2.96E-01	No	1.70E+00	2.05E-01	Yes
2-Jun-15	-4.68E-02	2.65E-01	No	2.09E+00	2.08E-01	Yes
9-Jun-15	-6.78E-02	2.20E-01	No	2.07E+00	1.60E-01	Yes
15-Jun-15	-8.41E-02	3.30E-01	No	2.31E+00	2.24E-01	Yes
23-Jun-15	-1.14E-01	2.31E-01	No	1.95E+00	2.10E-01	Yes
29-Jun-15	1.92E-01	2.25E-01	No	1.49E+00	1.94E-01	Yes
7-Jul-15	-4.46E-02	2.68E-01	No	2.32E+00	2.21E-01	Yes
14-Jul-15	-1.35E-01	2.06E-01	No	2.26E+00	2.24E-01	Yes
21-Jul-15	4.19E-02	2.90E-01	No	1.98E+00	2.10E-01	Yes
28-Jul-15	1.02E-01	2.23E-01	No	1.88E+00	2.08E-01	Yes
4-Aug-15	6.54E-02	2.12E-01	No	1.45E+00	1.91E-01	Yes
11-Aug-15	-3.92E-02	2.30E-01	No	1.99E+00	2.10E-01	Yes
18-Aug-15	2.50E-01	2.14E-01	No	1.53E+00	1.95E-01	Yes

Table 32 Radionuclides in Savannah River Water (continued)

Location: River Mile 150.0 (continued)

Sample Date	Cs-137			Gross Beta		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
25-Aug-15	5.62E-02	2.38E-01	No	1.88E+00	2.05E-01	Yes
1-Sep-15	2.42E-01	2.68E-01	No	2.14E+00	2.15E-01	Yes
8-Sep-15	-2.81E-01	2.08E-01	No	2.27E+00	2.19E-01	Yes
18-Sep-15	-4.89E-02	2.23E-01	No	2.09E+00	2.13E-01	Yes
22-Sep-15	-3.41E-01	1.93E-01	No	1.95E+00	2.10E-01	Yes
29-Sep-15	-3.54E-01	2.52E-01	No	1.83E+00	2.08E-01	Yes
6-Oct-15	1.10E-01	2.40E-01	No	1.95E+00	2.11E-01	Yes
13-Oct-15	-1.53E-01	1.92E-01	No	2.38E+00	2.32E-01	Yes
20-Oct-15	-2.84E-01	2.62E-01	No	2.29E+00	2.28E-01	Yes
27-Oct-15	-2.14E-01	1.97E-01	No	2.01E+00	2.19E-01	Yes
3-Nov-15	3.62E-01	2.29E-01	No	1.64E+00	2.07E-01	Yes
10-Nov-15	7.76E-01	2.96E-01	No	1.65E+00	2.06E-01	Yes
17-Nov-15	-2.73E-02	2.57E-01	No	1.97E+00	2.17E-01	Yes
23-Nov-15	-2.50E-01	2.69E-01	No	1.78E+00	2.10E-01	Yes
1-Dec-15	-3.08E-01	1.90E-01	No	2.18E+00	2.23E-01	Yes
8-Dec-15	6.89E-02	1.99E-01	No	2.46E+00	2.32E-01	Yes
15-Dec-15	5.73E-01	2.40E-01	No	1.44E+00	2.01E-01	Yes
21-Dec-15	1.08E-01	3.08E-01	No	2.17E+00	2.25E-01	Yes
28-Dec-15	-4.59E-02	2.30E-01	No	1.90E+00	2.05E-01	Yes

Table 32 Radionuclides in Savannah River Water (continued)**Location: River Mile 150.0 (continued)**

Sample Date	Gross Alpha		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
6-Jan-15	3.05E-01	1.05E-01	Yes
13-Jan-15	3.19E-01	1.17E-01	Yes
20-Jan-15	3.16E-01	1.16E-01	Yes
27-Jan-15	1.75E-01	9.78E-02	No
3-Feb-15	1.46E-01	9.32E-02	No
10-Feb-15	8.86E-02	8.40E-02	No
17-Feb-15	4.54E-01	1.30E-01	Yes
24-Feb-15	1.90E-01	9.56E-02	No
3-Mar-15	4.59E-01	1.27E-01	Yes
10-Mar-15	1.06E-01	8.26E-02	No
17-Mar-15	4.49E-01	1.24E-01	Yes
24-Mar-15	3.41E-01	1.11E-01	Yes
30-Mar-15	2.70E-01	1.02E-01	Yes
7-Apr-15	3.35E-01	1.11E-01	Yes
14-Apr-15	2.22E-01	9.71E-02	Yes
21-Apr-15	3.14E-01	1.08E-01	Yes
28-Apr-15	3.43E-01	1.15E-01	Yes
5-May-15	4.65E-01	9.13E-02	Yes
12-May-15	2.65E-01	1.05E-01	Yes
19-May-15	2.92E-01	1.03E-01	Yes
26-May-15	2.49E-01	1.00E-01	Yes
2-Jun-15	2.47E-01	1.06E-01	Yes
9-Jun-15	3.51E-01	8.31E-02	Yes
15-Jun-15	1.31E-01	8.04E-02	No
23-Jun-15	1.98E-01	9.04E-02	No
29-Jun-15	2.08E-01	1.05E-01	No
7-Jul-15	4.24E-01	1.27E-01	Yes
14-Jul-15	1.33E-01	9.32E-02	No
21-Jul-15	3.38E-01	1.17E-01	Yes
28-Jul-15	2.12E-01	1.08E-01	No
4-Aug-15	9.30E-02	8.44E-02	No
11-Aug-15	1.74E-01	9.59E-02	No
18-Aug-15	2.09E-01	1.06E-01	No

Table 32 Radionuclides in Savannah River Water (continued)**Location: River Mile 150.0 (continued)**

Sample Date	Gross Alpha		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
25-Aug-15	1.43E-01	9.00E-02	No
1-Sep-15	1.47E-01	9.21E-02	No
8-Sep-15	2.55E-01	1.06E-01	Yes
18-Sep-15	9.30E-03	6.96E-02	No
22-Sep-15	7.00E-02	8.67E-02	No
29-Sep-15	3.89E-01	1.24E-01	Yes
6-Oct-15	1.32E-02	6.81E-02	No
13-Oct-15	3.08E-01	1.05E-01	Yes
20-Oct-15	1.76E-01	8.76E-02	No
27-Oct-15	3.19E-01	1.19E-01	Yes
3-Nov-15	4.54E-02	8.13E-02	No
10-Nov-15	6.73E-02	7.91E-02	No
17-Nov-15	2.20E-01	1.01E-01	No
23-Nov-15	2.39E-01	1.01E-01	Yes
1-Dec-15	6.78E-02	7.99E-02	No
8-Dec-15	8.73E-02	6.95E-02	No
15-Dec-15	2.45E-01	9.40E-02	Yes
21-Dec-15	2.26E-01	9.36E-02	Yes
28-Dec-15	1.74E-01	8.41E-02	No

Location: River Mile 150.0 (continued)

Radionuclide	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Sr-89/90	20-Jan-15	4.54E-01	2.10E-01	No
U-234	20-Jan-15	1.67E-02	5.49E-03	Yes
U-235	20-Jan-15	2.06E-03	2.08E-03	No
U-238	20-Jan-15	1.72E-02	5.75E-03	Yes
Pu-238	20-Jan-15	-3.16E-03	1.84E-03	No
Pu-239	20-Jan-15	-3.16E-03	1.83E-03	No
Am-241	20-Jan-15	1.29E-02	5.12E-03	Yes
Cm-244	20-Jan-15	9.11E-03	4.17E-03	Yes
Tc-99	20-Jan-15	2.08E-01	7.53E-01	No

Table 32 Radionuclides in Savannah River Water (continued)

Location: River Mile 150.4

Sample Date	H-3 (tritium)			Co-60		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
6-Jan-15	5.97E+01	4.37E+01	No	4.03E-01	2.29E-01	No
13-Jan-15	2.89E+02	4.77E+01	Yes	2.97E-01	3.22E-01	No
20-Jan-15	1.14E+03	5.53E+01	Yes	8.46E-01	2.97E-01	No
27-Jan-15	3.49E+02	5.84E+01	Yes	-4.35E-01	2.64E-01	No
3-Feb-15	2.95E+02	4.45E+01	Yes	-1.65E-01	2.83E-01	No
10-Feb-15	1.96E+02	4.52E+01	Yes	-4.65E-02	3.07E-01	No
17-Feb-15	1.00E+03	5.50E+01	Yes	3.30E-01	4.33E-01	No
24-Feb-15	1.58E+02	4.49E+01	Yes	-3.24E-01	2.74E-01	No
3-Mar-15	4.19E+02	4.68E+01	Yes	1.01E-01	2.89E-01	No
10-Mar-15	1.39E+02	4.42E+01	Yes	-1.88E-01	2.58E-01	No
17-Mar-15	1.88E+02	4.47E+01	Yes	-2.23E-01	2.13E-01	No
24-Mar-15	4.22E+02	4.72E+01	Yes	-2.73E-01	3.21E-01	No
30-Mar-15	8.89E+02	5.21E+01	Yes	4.19E-01	3.35E-01	No
7-Apr-15	5.11E+02	4.95E+01	Yes	1.48E-01	2.63E-01	No
14-Apr-15	6.49E+02	5.00E+01	Yes	-1.12E-03	2.21E-01	No
21-Apr-15	1.25E+03	5.81E+01	Yes	-5.30E-01	2.20E-01	No
28-Apr-15	9.89E+01	4.42E+01	No	1.71E-01	3.68E-01	No
5-May-15	1.89E+02	4.43E+01	Yes	3.46E-01	3.24E-01	No
12-May-15	2.86E+02	4.62E+01	Yes	3.73E-01	2.07E-01	No
19-May-15	1.40E+02	4.59E+01	Yes	5.35E-02	2.65E-01	No
26-May-15	1.84E+03	6.12E+01	Yes	7.49E-02	2.59E-01	No
2-Jun-15	6.49E+03	9.59E+01	Yes	1.39E-01	2.39E-01	No
9-Jun-15	2.86E+03	7.18E+01	Yes	-2.21E-02	3.13E-01	No
15-Jun-15	2.28E+03	6.66E+01	Yes	2.52E-01	2.56E-01	No
23-Jun-15	1.35E+03	6.09E+01	Yes	2.12E-01	2.07E-01	No
29-Jun-15	1.71E+02	4.54E+01	Yes	1.03E-01	2.50E-01	No
7-Jul-15	1.40E+02	4.66E+01	Yes	1.08E-01	2.66E-01	No
14-Jul-15	1.38E+02	4.73E+01	Yes	2.02E-01	2.03E-01	No
21-Jul-15	1.54E+03	6.40E+01	Yes	-1.50E-01	3.11E-01	No
28-Jul-15	3.11E+03	7.58E+01	Yes	-1.19E-01	2.96E-01	No
4-Aug-15	2.64E+03	7.49E+01	Yes	-7.51E-02	2.19E-01	No
11-Aug-15	2.34E+03	6.89E+01	Yes	-1.12E-02	2.03E-01	No
18-Aug-15	1.56E+03	6.16E+01	Yes	3.46E-02	2.15E-01	No

Table 32 Radionuclides in Savannah River Water (continued)

Location: River Mile 150.4 (continued)

Sample Date	H-3 (tritium)			Co-60		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
25-Aug-15	1.49E+03	6.19E+01	Yes	2.73E-01	2.16E-01	No
1-Sep-15	6.78E+02	5.41E+01	Yes	8.92E-02	3.08E-01	No
8-Sep-15	1.01E+03	5.55E+01	Yes	9.11E-02	2.41E-01	No
18-Sep-15	4.43E+03	8.55E+01	Yes	-4.51E-02	1.88E-01	No
22-Sep-15	3.68E+02	4.80E+01	Yes	2.13E-01	1.75E-01	No
29-Sep-15	1.26E+03	5.89E+01	Yes	4.16E-01	3.81E-01	No
6-Oct-15	3.19E+02	4.87E+01	Yes	7.68E-01	3.89E-01	No
13-Oct-15	2.22E+03	6.83E+01	Yes	7.62E-01	4.02E-01	No
20-Oct-15	5.16E+03	9.09E+01	Yes	1.93E-01	3.19E-01	No
27-Oct-15	6.65E+03	9.97E+01	Yes	4.43E-01	2.78E-01	No
3-Nov-15	3.11E+03	7.55E+01	Yes	9.97E-02	3.05E-01	No
10-Nov-15	1.33E+02	4.70E+01	Yes	8.08E-02	3.59E-01	No
17-Nov-15	3.86E+02	5.04E+01	Yes	-3.38E-01	3.00E-01	No
23-Nov-15	1.26E+02	4.52E+01	Yes	3.65E-01	2.54E-01	No
1-Dec-15	1.54E+02	4.50E+01	Yes	1.24E-01	3.13E-01	No
8-Dec-15	7.92E+02	5.28E+01	Yes	3.03E-01	2.56E-01	No
15-Dec-15	3.16E+02	4.71E+01	Yes	-4.43E-02	3.74E-01	No
21-Dec-15	2.41E+02	4.72E+01	Yes	4.43E-01	3.01E-01	No
28-Dec-15	2.38E+02	4.54E+01	Yes	3.62E-01	2.58E-01	No

Table 32 Radionuclides in Savannah River Water (continued)

Location: River Mile 150.4 (continued)

Sample Date	Cs-137			Gross Beta		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
6-Jan-15	1.51E-03	2.39E-01	No	2.14E+00	2.25E-01	Yes
13-Jan-15	-7.68E-01	4.05E-01	No	1.94E+00	2.05E-01	Yes
20-Jan-15	1.48E-01	2.90E-01	No	2.31E+00	2.17E-01	Yes
27-Jan-15	1.66E-01	2.72E-01	No	2.22E+00	2.14E-01	Yes
3-Feb-15	-6.35E-02	3.16E-01	No	2.10E+00	2.10E-01	Yes
10-Feb-15	-1.37E-01	3.25E-01	No	2.53E+00	2.24E-01	Yes
17-Feb-15	5.57E-01	5.01E-01	No	2.39E+00	2.34E-01	Yes
24-Feb-15	-2.95E-01	3.69E-01	No	2.03E+00	2.09E-01	Yes
3-Mar-15	2.13E-01	2.97E-01	No	2.01E+00	2.24E-01	Yes
10-Mar-15	-6.43E-02	2.87E-01	No	2.32E+00	2.32E-01	Yes
17-Mar-15	1.38E-01	2.21E-01	No	3.16E+00	2.55E-01	Yes
24-Mar-15	-5.27E-01	3.68E-01	No	1.45E+00	2.02E-01	Yes
30-Mar-15	-2.29E-01	3.78E-01	No	1.89E+00	2.14E-01	Yes
7-Apr-15	-4.03E-01	3.09E-01	No	1.94E+00	2.12E-01	Yes
14-Apr-15	2.04E-01	2.57E-01	No	1.88E+00	2.12E-01	Yes
21-Apr-15	1.38E-01	2.46E-01	No	1.56E+00	1.97E-01	Yes
28-Apr-15	8.49E-02	4.16E-01	No	2.09E+00	2.08E-01	Yes
5-May-15	9.19E-01	3.44E-01	No	1.86E+00	2.00E-01	Yes
12-May-15	2.86E-01	2.13E-01	No	2.22E+00	2.12E-01	Yes
19-May-15	-1.31E-01	3.47E-01	No	1.79E+00	2.07E-01	Yes
26-May-15	-2.76E-01	3.08E-01	No	1.74E+00	2.07E-01	Yes
2-Jun-15	1.47E-03	2.05E-01	No	1.58E+00	1.90E-01	Yes
9-Jun-15	-9.54E-02	3.15E-01	No	1.71E+00	1.52E-01	Yes
15-Jun-15	-7.62E-02	3.08E-01	No	1.80E+00	2.10E-01	Yes
23-Jun-15	2.25E-01	2.23E-01	No	1.74E+00	2.03E-01	Yes
29-Jun-15	4.38E-01	2.92E-01	No	1.95E+00	2.10E-01	Yes
7-Jul-15	8.43E-02	2.96E-01	No	2.10E+00	2.13E-01	Yes
14-Jul-15	9.84E-02	2.11E-01	No	1.67E+00	2.07E-01	Yes
21-Jul-15	1.81E-01	3.11E-01	No	2.11E+00	2.14E-01	Yes
28-Jul-15	-1.35E-01	3.58E-01	No	2.23E+00	2.20E-01	Yes
4-Aug-15	1.49E-01	2.25E-01	No	2.08E+00	2.12E-01	Yes
11-Aug-15	-4.35E-01	2.38E-01	No	2.54E+00	2.27E-01	Yes
18-Aug-15	-4.19E-01	2.49E-01	No	2.03E+00	2.13E-01	Yes

Table 32 Radionuclides in Savannah River Water (continued)

Location: River Mile 150.4 (continued)

Sample Date	Cs-137			Gross Beta		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
25-Aug-15	-3.78E-01	2.56E-01	No	1.79E+00	2.04E-01	Yes
1-Sep-15	1.12E-01	3.22E-01	No	2.01E+00	2.10E-01	Yes
8-Sep-15	1.92E-01	2.56E-01	No	2.31E+00	2.20E-01	Yes
18-Sep-15	-1.22E-01	1.97E-01	No	2.12E+00	2.15E-01	Yes
22-Sep-15	7.59E-02	2.02E-01	No	2.30E+00	2.21E-01	Yes
29-Sep-15	3.19E-01	4.07E-01	No	2.22E+00	2.21E-01	Yes
6-Oct-15	-5.16E-02	4.33E-01	No	2.32E+00	2.24E-01	Yes
13-Oct-15	-9.54E-01	4.26E-01	No	2.42E+00	2.33E-01	Yes
20-Oct-15	8.89E-01	3.69E-01	No	1.95E+00	2.18E-01	Yes
27-Oct-15	2.24E-01	3.12E-01	No	1.82E+00	2.13E-01	Yes
3-Nov-15	2.54E-01	3.15E-01	No	1.77E+00	2.11E-01	Yes
10-Nov-15	-9.95E-02	3.46E-01	No	1.69E+00	2.08E-01	Yes
17-Nov-15	-9.30E-02	3.44E-01	No	2.89E+00	2.44E-01	Yes
23-Nov-15	2.92E-02	3.13E-01	No	1.84E+00	2.11E-01	Yes
1-Dec-15	4.35E-02	3.38E-01	No	1.89E+00	2.14E-01	Yes
8-Dec-15	5.49E-01	2.46E-01	No	2.10E+00	2.24E-01	Yes
15-Dec-15	-1.03E-01	4.21E-01	No	1.97E+00	2.19E-01	Yes
21-Dec-15	-4.62E-01	3.38E-01	No	1.90E+00	2.15E-01	Yes
28-Dec-15	-4.38E-01	2.76E-01	No	2.56E+00	2.26E-01	Yes

Table 32 Radionuclides in Savannah River Water (continued)**Location: River Mile 150.4 (continued)**

Sample Date	Gross Alpha		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
6-Jan-15	1.62E-01	9.09E-02	No
13-Jan-15	6.14E-01	1.50E-01	Yes
20-Jan-15	1.78E-01	9.93E-02	No
27-Jan-15	2.34E-01	1.06E-01	No
3-Feb-15	1.22E-01	9.24E-02	No
10-Feb-15	3.24E-01	1.19E-01	Yes
17-Feb-15	2.50E-01	1.05E-01	No
24-Feb-15	2.81E-01	1.10E-01	Yes
3-Mar-15	5.32E-01	1.37E-01	Yes
10-Mar-15	3.70E-01	1.21E-01	Yes
17-Mar-15	2.08E-01	9.52E-02	No
24-Mar-15	1.56E-01	8.67E-02	No
30-Mar-15	5.00E-01	1.30E-01	Yes
7-Apr-15	7.86E-02	7.25E-02	No
14-Apr-15	2.36E-01	1.03E-01	Yes
21-Apr-15	6.78E-02	7.08E-02	No
28-Apr-15	2.89E-01	1.08E-01	Yes
5-May-15	2.97E-01	1.11E-01	Yes
12-May-15	2.47E-01	1.06E-01	Yes
19-May-15	1.06E-01	7.70E-02	No
26-May-15	1.96E-01	9.36E-02	No
2-Jun-15	1.95E-01	1.00E-01	No
9-Jun-15	2.84E-01	7.77E-02	Yes
15-Jun-15	3.30E-01	1.10E-01	Yes
23-Jun-15	9.68E-02	7.72E-02	No
29-Jun-15	2.68E-01	1.14E-01	Yes
7-Jul-15	3.16E-01	1.16E-01	Yes
14-Jul-15	3.19E-01	1.22E-01	Yes
21-Jul-15	2.09E-01	1.04E-01	No
28-Jul-15	4.00E-01	1.34E-01	Yes
4-Aug-15	9.32E-03	6.99E-02	No
11-Aug-15	2.64E-01	1.10E-01	Yes
18-Aug-15	1.29E-01	9.74E-02	No

Table 32 Radionuclides in Savannah River Water (continued)**Location: River Mile 150.4 (continued)**

Sample Date	Gross Alpha		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
25-Aug-15	4.30E-01	1.29E-01	Yes
1-Sep-15	1.78E-01	9.78E-02	No
8-Sep-15	3.70E-02	7.49E-02	No
18-Sep-15	2.73E-01	1.14E-01	Yes
22-Sep-15	7.14E-02	8.88E-02	No
29-Sep-15	2.78E-01	1.12E-01	Yes
6-Oct-15	2.78E-01	1.13E-01	Yes
13-Oct-15	2.33E-01	9.71E-02	Yes
20-Oct-15	1.83E-01	9.09E-02	No
27-Oct-15	1.55E-01	9.78E-02	No
3-Nov-15	3.16E-01	1.17E-01	Yes
10-Nov-15	9.41E-02	8.44E-02	No
17-Nov-15	2.21E-01	1.01E-01	No
23-Nov-15	9.00E-02	8.09E-02	No
1-Dec-15	1.42E-01	8.96E-02	No
8-Dec-15	3.24E-01	1.05E-01	Yes
15-Dec-15	2.45E-01	9.44E-02	Yes
21-Dec-15	6.38E-02	6.62E-02	No
28-Dec-15	2.60E-01	9.86E-02	Yes

Location: River Mile 150.4 (continued)

Radionuclide	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Sr-89/90	20-Jan-15	-6.76E-02	1.68E-01	No
U-234	20-Jan-15	2.00E-02	6.02E-03	Yes
U-235	20-Jan-15	2.05E-03	2.07E-03	No
U-238	20-Jan-15	2.33E-02	6.39E-03	Yes
Pu-238	20-Jan-15	-2.31E-03	1.64E-03	No
Pu-239	20-Jan-15	5.19E-03	3.03E-03	No
Am-241	20-Jan-15	9.89E-03	4.26E-03	Yes
Cm-244	20-Jan-15	3.27E-03	2.36E-03	No
Tc-99	20-Jan-15	1.77E+00	7.76E-01	No

Table 32 Radionuclides in Savannah River Water (continued)

Location: River Mile 160.0

Sample Date	H-3 (tritium)			Co-60		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
6-Jan-15	5.35E+01	5.33E+01	No	1.67E-01	2.04E-01	No
13-Jan-15	5.43E+01	5.68E+01	No	-3.35E-01	2.90E-01	No
20-Jan-15	9.68E+01	5.64E+01	No	8.22E-02	2.69E-01	No
27-Jan-15	-7.32E+00	5.55E+01	No	4.22E-02	2.30E-01	No
3-Feb-15	4.84E+01	5.62E+01	No	-9.30E-02	2.21E-01	No
10-Feb-15	1.19E+02	5.69E+01	No	7.38E-02	2.37E-01	No
17-Feb-15	9.89E+01	5.62E+01	No	-2.37E-02	2.11E-01	No
24-Feb-15	9.73E+01	5.68E+01	No	-2.55E-02	3.48E-01	No
3-Mar-15	9.19E+01	5.60E+01	No	-1.39E-02	3.87E-01	No
10-Mar-15	6.22E+01	5.51E+01	No	-2.20E-01	2.49E-01	No
17-Mar-15	1.57E+02	5.45E+01	Yes	-2.17E-01	2.34E-01	No
24-Mar-15	1.88E+02	5.58E+01	Yes	-4.92E-02	2.64E-01	No
30-Mar-15	-5.81E+00	5.53E+01	No	-2.78E-01	2.06E-01	No
7-Apr-15	3.78E+01	5.48E+01	No	9.59E-02	2.03E-01	No
14-Apr-15	1.52E+02	5.61E+01	Yes	6.16E-01	3.59E-01	No
21-Apr-15	7.27E+01	5.53E+01	No	4.70E-02	1.88E-01	No
28-Apr-15	4.32E+01	5.53E+01	No	-7.68E-02	2.42E-01	No
5-May-15	1.17E+02	5.47E+01	No	4.70E-01	2.78E-01	No
12-May-15	9.16E+01	5.56E+01	No	-2.73E-01	1.82E-01	No
19-May-15	6.08E+01	5.87E+01	No	-4.65E-02	2.65E-01	No
26-May-15	2.70E+02	5.53E+01	Yes	-8.08E-02	2.05E-01	No
2-Jun-15	-2.06E+01	5.78E+01	No	1.08E-02	2.42E-01	No
9-Jun-15	-1.54E+01	5.85E+01	No	1.43E-01	2.24E-01	No
15-Jun-15	2.52E+01	5.62E+01	No	2.08E-01	2.38E-01	No
23-Jun-15	4.11E+01	5.50E+01	No	4.14E-01	2.13E-01	No
29-Jun-15	3.57E+01	5.65E+01	No	2.84E-02	2.00E-01	No
7-Jul-15	-3.05E+01	5.87E+01	No	5.27E-01	2.44E-01	No
14-Jul-15	1.42E+02	5.66E+01	No	-5.32E-02	1.94E-01	No
21-Jul-15	3.97E+01	5.66E+01	No	7.70E-02	2.31E-01	No
28-Jul-15	3.73E+01	5.82E+01	No	6.59E-02	2.19E-01	No
4-Aug-15	1.75E+02	4.72E+01	Yes	1.38E-01	1.92E-01	No
11-Aug-15	1.91E+02	5.65E+01	Yes	-3.00E-01	2.02E-01	No
18-Aug-15	1.55E+02	2.47E+01	No	3.68E-01	2.09E-01	No

Table 32 Radionuclides in Savannah River Water (continued)

Location: River Mile 160.0 (continued)

Sample Date	H-3 (tritium)			Co-60		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
25-Aug-15	4.27E+01	5.59E+01	No	-4.05E-01	2.37E-01	No
1-Sep-15	9.84E+01	5.58E+01	No	9.35E-02	2.44E-01	No
8-Sep-15	5.43E+01	5.79E+01	No	1.82E-01	2.30E-01	No
18-Sep-15	1.49E+02	4.62E+01	Yes	2.81E-02	1.74E-01	No
22-Sep-15	1.61E+02	4.54E+01	Yes	7.95E-02	1.91E-01	No
29-Sep-15	5.51E+01	5.56E+01	No	2.73E-02	2.09E-01	No
6-Oct-15	6.30E+01	5.55E+01	No	-1.35E-01	1.95E-01	No
13-Oct-15	-1.85E+00	4.77E+01	No	-1.47E-01	2.26E-01	No
20-Oct-15	1.32E+02	5.69E+01	No	1.81E-01	2.53E-01	No
27-Oct-15	5.54E+01	5.74E+01	No	3.16E-02	2.63E-01	No
3-Nov-15	1.36E+02	5.68E+01	No	1.55E-01	2.10E-01	No
10-Nov-15	-3.00E+00	5.76E+01	No	-1.09E-01	2.54E-01	No
17-Nov-15	1.55E+02	5.67E+01	Yes	2.16E-01	2.21E-01	No
23-Nov-15	6.81E+01	5.43E+01	No	-1.91E-01	2.76E-01	No
1-Dec-15	3.86E+01	5.57E+01	No	3.95E-01	2.38E-01	No
8-Dec-15	1.34E+02	5.65E+01	No	5.14E-01	2.66E-01	No
15-Dec-15	2.09E+02	5.64E+01	Yes	4.41E-01	2.74E-01	No
21-Dec-15	1.06E+02	5.56E+01	No	-1.11E-01	3.27E-01	No
28-Dec-15	8.35E+01	5.52E+01	No	-3.81E-03	2.42E-01	No

Table 32 Radionuclides in Savannah River Water (continued)**Location: River Mile 160.0 (continued)**

Sample Date	Cs-137			Gross Beta		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
6-Jan-15	5.19E-01	2.39E-01	No	1.53E+00	2.04E-01	Yes
13-Jan-15	-2.14E-01	3.43E-01	No	2.21E+00	2.14E-01	Yes
20-Jan-15	-2.68E-02	3.08E-01	No	2.14E+00	2.11E-01	Yes
27-Jan-15	7.84E-02	2.42E-01	No	2.64E+00	2.27E-01	Yes
3-Feb-15	-5.11E-01	2.42E-01	No	2.26E+00	2.15E-01	Yes
10-Feb-15	1.39E-01	2.58E-01	No	2.53E+00	2.24E-01	Yes
17-Feb-15	5.84E-02	2.58E-01	No	2.39E+00	2.34E-01	Yes
24-Feb-15	4.95E-01	3.64E-01	No	2.17E+00	2.13E-01	Yes
3-Mar-15	-1.39E-01	3.97E-01	No	1.53E+00	2.05E-01	Yes
10-Mar-15	1.71E-01	2.80E-01	No	2.05E+00	2.24E-01	Yes
17-Mar-15	4.49E-01	2.97E-01	No	1.65E+00	2.09E-01	Yes
24-Mar-15	-2.22E-02	3.02E-01	No	1.97E+00	2.19E-01	Yes
30-Mar-15	1.06E-02	2.57E-01	No	1.91E+00	2.11E-01	Yes
7-Apr-15	2.10E-02	1.98E-01	No	2.10E+00	2.18E-01	Yes
14-Apr-15	-1.30E-01	2.95E-01	No	1.86E+00	2.12E-01	Yes
21-Apr-15	1.05E-03	2.17E-01	No	1.87E+00	2.08E-01	Yes
28-Apr-15	1.48E-01	2.52E-01	No	1.68E+00	1.92E-01	Yes
5-May-15	-2.44E-01	2.95E-01	No	1.55E+00	1.88E-01	Yes
12-May-15	1.42E-01	2.21E-01	No	2.16E+00	2.10E-01	Yes
19-May-15	4.08E-01	2.97E-01	No	1.71E+00	2.04E-01	Yes
26-May-15	3.35E-02	2.41E-01	No	1.75E+00	2.06E-01	Yes
2-Jun-15	-1.70E-01	2.56E-01	No	1.79E+00	1.98E-01	Yes
9-Jun-15	-2.20E-01	2.32E-01	No	1.86E+00	1.55E-01	Yes
15-Jun-15	1.75E-01	2.59E-01	No	2.06E+00	2.16E-01	Yes
23-Jun-15	-4.05E-01	2.04E-01	No	1.65E+00	2.00E-01	Yes
29-Jun-15	-3.19E-01	2.55E-01	No	1.71E+00	2.01E-01	Yes
7-Jul-15	-4.05E-01	2.47E-01	No	1.93E+00	2.07E-01	Yes
14-Jul-15	-1.67E-01	2.44E-01	No	2.00E+00	2.16E-01	Yes
21-Jul-15	-1.08E-01	2.50E-01	No	1.69E+00	2.00E-01	Yes
28-Jul-15	-5.68E-02	2.85E-01	No	1.87E+00	2.07E-01	Yes
4-Aug-15	6.38E-02	2.08E-01	No	2.27E+00	2.19E-01	Yes
11-Aug-15	-3.24E-01	2.31E-01	No	2.56E+00	2.28E-01	Yes
18-Aug-15	-6.43E-02	2.12E-01	No	2.11E+00	2.15E-01	Yes

Table 32 Radionuclides in Savannah River Water (continued)

Location: River Mile 160.0 (continued)

Sample Date	Cs-137			Gross Beta		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
25-Aug-15	-3.00E-01	2.89E-01	No	2.01E+00	2.10E-01	Yes
1-Sep-15	3.35E-02	2.44E-01	No	2.04E+00	2.12E-01	Yes
8-Sep-15	-1.78E-01	2.77E-01	No	2.10E+00	2.13E-01	Yes
18-Sep-15	5.92E-02	1.84E-01	No	1.95E+00	2.08E-01	Yes
22-Sep-15	-8.35E-02	1.95E-01	No	2.16E+00	2.17E-01	Yes
29-Sep-15	3.16E-01	2.14E-01	No	1.46E+00	1.94E-01	Yes
6-Oct-15	8.32E-02	2.04E-01	No	1.99E+00	2.13E-01	Yes
13-Oct-15	-1.58E-01	2.69E-01	No	3.11E+00	2.52E-01	Yes
20-Oct-15	-1.46E-01	2.65E-01	No	1.79E+00	2.14E-01	Yes
27-Oct-15	-2.25E-02	2.70E-01	No	2.02E+00	2.19E-01	Yes
3-Nov-15	-4.24E-02	2.77E-01	No	2.14E+00	2.23E-01	Yes
10-Nov-15	-5.03E-02	2.65E-01	No	2.16E+00	2.22E-01	Yes
17-Nov-15	-1.55E-01	2.72E-01	No	1.92E+00	2.15E-01	Yes
23-Nov-15	8.68E-02	2.94E-01	No	2.02E+00	2.17E-01	Yes
1-Dec-15	1.24E-02	2.45E-01	No	2.20E+00	2.24E-01	Yes
8-Dec-15	2.76E-01	3.09E-01	No	2.13E+00	2.24E-01	Yes
15-Dec-15	4.59E-02	3.07E-01	No	2.01E+00	2.18E-01	Yes
21-Dec-15	-4.24E-01	3.39E-01	No	2.01E+00	2.19E-01	Yes
28-Dec-15	-6.27E-02	2.35E-01	No	2.02E+00	2.09E-01	Yes

Table 32 Radionuclides in Savannah River Water (continued)**Location: River Mile 160.0 (continued)**

Sample Date	Gross Alpha		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
6-Jan-15	1.29E-01	8.25E-02	No
13-Jan-15	5.24E-01	1.41E-01	Yes
20-Jan-15	3.81E-01	1.25E-01	Yes
27-Jan-15	6.08E-02	8.05E-02	No
3-Feb-15	1.21E-01	9.13E-02	No
10-Feb-15	2.63E-01	1.11E-01	Yes
17-Feb-15	2.81E-01	1.10E-01	Yes
24-Feb-15	3.57E-01	1.18E-01	Yes
3-Mar-15	1.63E-01	9.09E-02	No
10-Mar-15	3.59E-01	1.17E-01	Yes
17-Mar-15	2.32E-01	9.67E-02	Yes
24-Mar-15	1.27E-01	8.18E-02	No
30-Mar-15	1.32E-01	8.07E-02	No
7-Apr-15	1.63E-01	8.72E-02	No
14-Apr-15	3.41E-01	1.14E-01	Yes
21-Apr-15	2.84E-01	1.04E-01	Yes
28-Apr-15	1.24E-01	8.27E-02	No
5-May-15	1.58E-01	9.13E-02	No
12-May-15	1.85E-01	9.52E-02	No
19-May-15	1.03E-01	7.47E-02	No
26-May-15	1.89E-01	9.04E-02	No
2-Jun-15	1.35E-01	9.00E-02	No
9-Jun-15	1.34E-01	6.31E-02	No
15-Jun-15	7.70E-02	7.14E-02	No
23-Jun-15	2.76E-01	1.01E-01	Yes
29-Jun-15	4.05E-02	7.95E-02	No
7-Jul-15	1.20E-01	8.80E-02	No
14-Jul-15	4.84E-02	8.22E-02	No
21-Jul-15	2.07E-01	1.03E-01	No
28-Jul-15	1.83E-01	1.03E-01	No
4-Aug-15	2.09E-01	1.03E-01	No
11-Aug-15	2.59E-01	1.08E-01	Yes
18-Aug-15	1.26E-01	9.52E-02	No

Table 32 Radionuclides in Savannah River Water (continued)**Location: River Mile 160.0 (continued)**

Sample Date	Gross Alpha		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
25-Aug-15	2.55E-01	1.06E-01	Yes
1-Sep-15	5.05E-01	1.36E-01	Yes
8-Sep-15	1.47E-01	9.21E-02	No
18-Sep-15	3.78E-02	7.59E-02	No
22-Sep-15	1.29E-01	9.71E-02	No
29-Sep-15	1.35E-02	6.75E-02	No
6-Oct-15	3.00E-01	1.14E-01	Yes
13-Oct-15	1.71E-01	8.63E-02	No
20-Oct-15	2.36E-01	9.78E-02	Yes
27-Oct-15	1.79E-02	7.60E-02	No
3-Nov-15	4.65E-02	8.33E-02	No
10-Nov-15	1.20E-01	8.84E-02	No
17-Nov-15	3.03E-01	1.12E-01	Yes
23-Nov-15	1.64E-02	6.97E-02	No
1-Dec-15	2.19E-01	1.01E-01	No
8-Dec-15	2.28E-01	9.44E-02	Yes
15-Dec-15	1.13E-01	7.36E-02	No
21-Dec-15	1.22E-01	7.91E-02	No
28-Dec-15	3.22E-01	1.03E-01	Yes

Location: River Mile 160.0 (continued)

Radionuclide	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
Zn-65	30-Mar-15	9.46E-01	5.72E-01	No
Sr-89/90	20-Jan-15	8.49E-02	1.72E-01	No
U-234	20-Jan-15	2.20E-02	7.10E-03	Yes
U-235	20-Jan-15	4.16E-03	2.99E-03	No
U-238	20-Jan-15	9.57E-03	4.78E-03	No
Pu-238	20-Jan-15	3.78E-03	2.69E-03	No
Pu-239	20-Jan-15	1.26E-03	3.22E-03	No
Am-241	20-Jan-15	3.97E-03	3.31E-03	No
Cm-244	20-Jan-15	5.59E-04	2.05E-03	No
Tc-99	20-Jan-15	3.08E+00	4.06E-01	No

Table 33 Summary of Savannah River Site Tritium Transport, 1960 – 2015

Year	Based on Point-of-Release Conc. and Flow ^a	Based on Stream Conc. and Flow	Based on Savannah River Conc. and Flow ^c	Year	Based on Point-of-Release Conc. and Flow ^a	Based on Stream Conc. and Flow	Based on Savannah River Conc. and Flow ^c
1960	64,000 ^b	69,600	73,700	1988	19,300	18,300	14,600
1961	69,000 ^b	83,000	77,000	1989	17,300	17,800	15,600
1962	58,000 ^b	64,000	63,000	1990	16,100	15,600	14,500
1963	97,000 ^b	96,900	122,800	1991	27,400	26,600	26,300
1964	111,000 ^b	131,600	143,000	1992	13,800	13,100	13,800
1965	108,400	109,200	100,200	1993	11,300	12,700	12,200
1966	84,900	97,800	78,300	1994	8,800	10,400	10,900
1967	70,600	77,000	68,500	1995	9,900	11,400	10,700
1968	63,800	67,200	61,800	1996	7,560	8,020	8,950
1969	64,600	64,000	58,100	1997	8,350	8,550	7,700
1970	36,900	43,200	31,800	1998	10,555	10,588	9,420
1971	38,200	44,700	39,100	1999	6,111	6,292	5,810
1972	46,800	47,300	45,300	2000	5,995	5,956	5,420
1973	71,100	62,800	61,100	2001	4,423	4,315	4,815
1974	59,900	54,600	46,000	2002	3,096	2,857	4,051
1975	55,600	50,000	49,500	2003	4,319	4,139	5,910
1976	59,600	47,400	51,100	2004	2,683	2,785	3,630
1977	43,800	39,700	42,500	2005	2,506	2,378	4,480
1978	37,600	35,300	36,600	2006	1,644	1,391	3,328
1979	29,400	27,100	30,600	2007	1,317	1,025	1,938
1980	24,900	28,800	30,700	2008	1,535	1,185	2,660
1981	23,900	22,100	25,100	2009	1,559	1,271	2,350
1982	32,200	31,300	30,600	2010	1,285	1,205	2,058
1983	34,200	33,000	33,000	2011	942	776	2,090
1984	32,800	32,600	33,200	2012	746	690	1,874
1985	25,000	22,300	24,100	2013	1,082	1,057	2,482
1986	27,800	22,300	22,100	2014	789	767	2,513
1987	22,700	20,500	26,200	2015	807	856	2,394

- a Includes direct releases to streams and migration from seepage basins and the Solid Waste Disposal Facility to streams.
- b Includes heat exchanger cooling water released from P-Area (of PAR pond origin) to Steel Creek.
- c Beginning in 1986, this amount includes tritium released from Plant Vogtle (1,709 Ci reported in 2015).

Table 34 Radionuclides in Savannah River Sediment**Radionuclide: Co-60**

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
RM-118.7 Highway 301	14-May-15	6.05E-02	1.91E-02	No
RM-129 Lower 3 Runs Mouth	14-May-15	6.89E-03	1.77E-02	No
RM-134.0 Below Little Hell Lnd	14-May-15	-4.46E-02	1.64E-02	No
RM-150.2 Below Four Mile Creek	23-Mar-15	2.84E-02	1.62E-02	No
RM-151 R-3A Above Vogtle	23-Mar-15	-2.69E-02	2.03E-02	No
RM-152.1 Beaver Dam Creek	23-Mar-15	-1.32E-02	1.69E-02	No
RM-157.2 Upper 3 Runs Mouth	23-Mar-15	5.32E-03	1.94E-02	No
RM-160.5 Demier Landing	23-Mar-15	1.29E-02	1.78E-02	No

Radionuclide: Cs-137

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
RM-118.7 Highway 301	14-May-15	2.24E-01	3.74E-02	Yes
RM-129 Lower 3 Runs Mouth	14-May-15	5.78E-01	5.36E-02	Yes
RM-134.0 Below Little Hell Lnd	14-May-15	1.72E-01	2.96E-02	Yes
RM-150.2 Below Four Mile Creek	23-Mar-15	5.30E-02	2.68E-02	No
RM-151 R-3A Above Vogtle	23-Mar-15	4.35E-02	2.10E-02	No
RM-152.1 Beaver Dam Creek	23-Mar-15	-1.75E-02	1.88E-02	No
RM-157.2 Upper 3 Runs Mouth	23-Mar-15	2.02E-01	3.15E-02	Yes
RM-160.5 Demier Landing	23-Mar-15	5.81E-02	1.98E-02	Yes

Radionuclide: Sr-89/90

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
RM-118.7 Highway 301	14-May-15	2.45E-01	6.20E-02	Yes
RM-129 Lower 3 Runs Mouth	14-May-15	2.66E-02	3.78E-02	No
RM-134.0 Below Little Hell Lnd	14-May-15	6.32E-02	4.69E-02	No
RM-150.2 Below Four Mile Creek	23-Mar-15	4.57E-02	4.27E-02	No
RM-151 R-3A Above Vogtle	23-Mar-15	3.97E-02	2.76E-02	No
RM-152.1 Beaver Dam Creek	23-Mar-15	1.36E-01	5.88E-02	No
RM-157.2 Upper 3 Runs Mouth	23-Mar-15	2.84E-02	4.00E-02	No
RM-160.5 Demier Landing	23-Mar-15	1.16E-01	5.04E-02	No

Table 34 Radionuclides in Savannah River Sediment (continued)**Radionuclide: U-234**

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
RM-118.7 Highway 301	14-May-15	1.66E+00	1.25E-01	Yes
RM-129 Lower 3 Runs Mouth	14-May-15	1.19E+00	9.40E-02	Yes
RM-134.0 Below Little Hell Lnd	14-May-15	1.59E+00	1.20E-01	Yes
RM-150.2 Below Four Mile Creek	23-Mar-15	1.36E+00	1.05E-01	Yes
RM-151 R-3A Above Vogtle	23-Mar-15	1.25E+00	9.67E-02	Yes
RM-152.1 Beaver Dam Creek	23-Mar-15	1.96E+00	1.45E-01	Yes
RM-157.2 Upper 3 Runs Mouth	23-Mar-15	1.51E+00	1.12E-01	Yes
RM-160.5 Demier Landing	23-Mar-15	1.22E+00	9.32E-02	Yes

Radionuclide: U-235

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
RM-118.7 Highway 301	14-May-15	6.95E-02	1.52E-02	Yes
RM-129 Lower 3 Runs Mouth	14-May-15	4.51E-02	1.20E-02	Yes
RM-134.0 Below Little Hell Lnd	14-May-15	7.24E-02	1.49E-02	Yes
RM-150.2 Below Four Mile Creek	23-Mar-15	5.97E-02	1.35E-02	Yes
RM-151 R-3A Above Vogtle	23-Mar-15	6.46E-02	1.38E-02	Yes
RM-152.1 Beaver Dam Creek	23-Mar-15	1.10E-01	1.91E-02	Yes
RM-157.2 Upper 3 Runs Mouth	23-Mar-15	6.81E-02	1.44E-02	Yes
RM-160.5 Demier Landing	23-Mar-15	6.24E-02	1.34E-02	Yes

Radionuclide: Np-237

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
RM-118.7 Highway 301	14-May-15	-1.14E-04	1.16E-04	No
RM-129 Lower 3 Runs Mouth	14-May-15	-5.81E-05	2.40E-04	No
RM-134.0 Below Little Hell Lnd	14-May-15	6.05E-05	2.18E-04	No
RM-150.2 Below Four Mile Creek	23-Mar-15	1.89E-04	1.89E-04	No
RM-151 R-3A Above Vogtle	23-Mar-15	5.35E-04	4.72E-04	No
RM-152.1 Beaver Dam Creek	23-Mar-15	0.00E+00	2.54E-04	No
RM-157.2 Upper 3 Runs Mouth	23-Mar-15	2.76E-04	3.43E-04	No
RM-160.5 Demier Landing	23-Mar-15	5.95E-05	2.14E-04	No

Table 34 Radionuclides in Savannah River Sediment (continued)**Radionuclide: U-238**

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
RM-118.7 Highway 301	14-May-15	1.51E+00	1.12E-01	Yes
RM-129 Lower 3 Runs Mouth	14-May-15	1.20E+00	9.13E-02	Yes
RM-134.0 Below Little Hell Lnd	14-May-15	1.59E+00	1.15E-01	Yes
RM-150.2 Below Four Mile Creek	23-Mar-15	1.38E+00	1.02E-01	Yes
RM-151 R-3A Above Vogtle	23-Mar-15	1.18E+00	8.84E-02	Yes
RM-152.1 Beaver Dam Creek	23-Mar-15	1.92E+00	1.36E-01	Yes
RM-157.2 Upper 3 Runs Mouth	23-Mar-15	1.48E+00	1.06E-01	Yes
RM-160.5 Demier Landing	23-Mar-15	1.15E+00	8.53E-02	Yes

Radionuclide: Pu-238

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
RM-118.7 Highway 301	14-May-15	2.70E-05	2.07E-04	No
RM-129 Lower 3 Runs Mouth	14-May-15	4.92E-04	3.11E-04	No
RM-134.0 Below Little Hell Lnd	14-May-15	3.30E-04	2.63E-04	No
RM-150.2 Below Four Mile Creek	23-Mar-15	-2.92E-05	3.50E-05	No
RM-151 R-3A Above Vogtle	23-Mar-15	6.19E-04	3.69E-04	No
RM-152.1 Beaver Dam Creek	23-Mar-15	4.16E-04	3.01E-04	No
RM-157.2 Upper 3 Runs Mouth	23-Mar-15	3.00E-03	8.63E-04	Yes
RM-160.5 Demier Landing	23-Mar-15	3.24E-04	2.59E-04	No

Radionuclide: Pu-239

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
RM-118.7 Highway 301	14-May-15	1.12E-03	5.11E-04	Yes
RM-129 Lower 3 Runs Mouth	14-May-15	1.04E-03	4.32E-04	Yes
RM-134.0 Below Little Hell Lnd	14-May-15	1.14E-03	4.99E-04	No
RM-150.2 Below Four Mile Creek	23-Mar-15	5.62E-04	3.28E-04	No
RM-151 R-3A Above Vogtle	23-Mar-15	1.11E-03	5.35E-04	No
RM-152.1 Beaver Dam Creek	23-Mar-15	4.73E-04	3.94E-04	No
RM-157.2 Upper 3 Runs Mouth	23-Mar-15	5.81E-03	1.24E-03	Yes
RM-160.5 Demier Landing	23-Mar-15	8.81E-04	4.01E-04	No

Table 34 Radionuclides in Savannah River Sediment (continued)**Radionuclide: Am-241**

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
RM-118.7 Highway 301	14-May-15	1.21E-03	4.76E-04	Yes
RM-129 Lower 3 Runs Mouth	14-May-15	1.04E-02	1.69E-03	Yes
RM-134.0 Below Little Hell Lnd	14-May-15	1.02E-03	4.60E-04	Yes
RM-150.2 Below Four Mile Creek	23-Mar-15	1.44E-03	5.00E-04	Yes
RM-151 R-3A Above Vogtle	23-Mar-15	2.49E-03	7.64E-04	Yes
RM-152.1 Beaver Dam Creek	23-Mar-15	9.27E-04	4.42E-04	No
RM-157.2 Upper 3 Runs Mouth	23-Mar-15	1.55E-03	5.43E-04	Yes
RM-160.5 Demier Landing	23-Mar-15	2.33E-03	6.92E-04	Yes

Radionuclide: Cm-244

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
RM-118.7 Highway 301	14-May-15	4.97E-04	3.11E-04	No
RM-129 Lower 3 Runs Mouth	14-May-15	6.24E-03	1.28E-03	Yes
RM-134.0 Below Little Hell Lnd	14-May-15	1.91E-04	2.63E-04	No
RM-150.2 Below Four Mile Creek	23-Mar-15	2.97E-04	2.36E-04	No
RM-151 R-3A Above Vogtle	23-Mar-15	1.88E-04	2.07E-04	No
RM-152.1 Beaver Dam Creek	23-Mar-15	1.71E-04	1.76E-04	No
RM-157.2 Upper 3 Runs Mouth	23-Mar-15	0.00E+00	2.19E-04	No
RM-160.5 Demier Landing	23-Mar-15	3.24E-04	2.56E-04	No

Radionuclide: Gross Beta

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
RM-118.7 Highway 301	14-May-15	2.89E+01	2.54E+00	Yes
RM-129 Lower 3 Runs Mouth	14-May-15	1.74E+01	2.05E+00	Yes
RM-134.0 Below Little Hell Lnd	14-May-15	2.32E+01	2.30E+00	Yes
RM-150.2 Below Four Mile Creek	23-Mar-15	2.86E+01	2.51E+00	Yes
RM-151 R-3A Above Vogtle	23-Mar-15	2.56E+01	2.41E+00	Yes
RM-152.1 Beaver Dam Creek	23-Mar-15	2.01E+01	2.19E+00	Yes
RM-157.2 Upper 3 Runs Mouth	23-Mar-15	2.32E+01	2.33E+00	Yes
RM-160.5 Demier Landing	23-Mar-15	2.07E+01	2.18E+00	Yes

Table 34 Radionuclides in Savannah River Sediment (continued)

Radionuclide: Gross Alpha

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
RM-118.7 Highway 301	14-May-15	1.94E+01	2.82E+00	Yes
RM-129 Lower 3 Runs Mouth	14-May-15	7.78E+00	1.72E+00	Yes
RM-134.0 Below Little Hell Lnd	14-May-15	9.86E+00	1.99E+00	Yes
RM-150.2 Below Four Mile Creek	23-Mar-15	1.23E+01	2.20E+00	Yes
RM-151 R-3A Above Vogtle	23-Mar-15	1.58E+01	2.50E+00	Yes
RM-152.1 Beaver Dam Creek	23-Mar-15	2.03E+01	2.76E+00	Yes
RM-157.2 Upper 3 Runs Mouth	23-Mar-15	2.14E+01	2.92E+00	Yes
RM-160.5 Demier Landing	23-Mar-15	3.95E+00	1.27E+00	Yes

Table 35 Radionuclides in SRS Stream and Basin Sediments

Radionuclide: Co-60

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
E-05	11-Mar-15	1.33E-02	1.46E-02	No
E-06	11-Mar-15	-3.65E-02	1.56E-02	No
EAV Basin North (E-004)	11-Mar-15	-2.92E-03	1.81E-02	No
EAV Basin South (E-003)	30-Mar-15	-8.05E-03	1.61E-02	No
FM-2 at Road 4	11-May-15	6.22E-03	1.16E-02	No
FM-3A Below F-Area Effluent	11-May-15	1.18E-02	8.76E-03	No
Four Mile A-7A (Beaver Pond)	11-May-15	6.11E-03	9.13E-03	No
Four Mile Creek Swamp Dischrg	1-Jun-15	1.45E-02	1.21E-02	No
Four Mile Creek at Road A-7	11-May-15	6.65E-03	1.21E-02	No
L3R-1A at Road B	11-May-15	-5.59E-03	1.19E-02	No
L3R-2 Sediment	1-Jun-15	-2.31E-03	1.27E-02	No
MCQBR downstream of Z-Basin	30-Mar-15	1.62E-03	1.15E-02	No
McQueen Branch at Monroe Road	30-Mar-15	7.43E-03	1.66E-02	No
POND 400	11-Mar-15	2.68E-02	2.58E-02	No
Pen Branch Swamp Discharge	1-Jun-15	-2.16E-02	2.28E-02	No
RM 150.4 Sediment	23-Mar-15	-3.00E-03	1.76E-02	No
River Mile 160.0 Sediment	23-Mar-15	8.38E-03	1.94E-02	No
SC-2A 1 mile above Road B	11-May-15	2.12E-02	1.69E-02	No
SC-4 Steel Creek at Road A	1-Jun-15	-9.11E-03	1.16E-02	No
SWDF Basin North (E-002)	30-Mar-15	4.57E-03	9.56E-03	No
SWDF Basin South (E-001)	30-Mar-15	-1.75E-03	1.32E-02	No
TB-5 Near Road C	11-Mar-15	-5.59E-03	1.28E-02	No
Tinker Creek 1	31-Mar-15	2.11E-02	1.07E-02	No
U3R-1A Treadway Bridge RD 8-1	11-Mar-15	3.41E-02	1.92E-02	No
U3R-4 Sediment	11-Mar-15	-1.42E-02	1.36E-02	No
R-Area Sediment	11-May-15	2.62E-04	6.30E-03	No
Z-01 Outfall	19-May-15	1.33E-02	7.90E-03	No
Z Basin	19-May-15	1.14E-03	6.55E-03	No
U3R-ROAD-4	31-Mar-15	1.03E-02	1.46E-02	No
FMC-ROAD-A	31-Mar-15	3.08E-02	1.15E-02	No
U3R-3	30-Mar-15	4.11E-03	2.01E-02	No
McQueen Branch at Monroe Road	30-Mar-15	7.42E-03	1.66E-02	No
MEYERS-BRANCH	31-Mar-15	2.34E-02	1.35E-02	No
Pen Branch at Road A	31-Mar-15	-1.33E-02	1.47E-02	No

Table 35 Radionuclides in SRS Stream and Basin Sediments (continued)

Radionuclide: Cs-137

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
E-05	11-Mar-15	1.03E-02	1.80E-02	No
E-06	11-Mar-15	5.03E-02	2.13E-02	No
EAV Basin North (E-004)	11-Mar-15	2.59E-02	2.29E-02	No
EAV Basin South (E-003)	30-Mar-15	6.43E-02	2.99E-02	No
FM-2 at Road 4	11-May-15	1.57E+01	1.02E+00	Yes
FM-3A Below F-Area Effluent	11-May-15	1.95E-01	2.50E-02	Yes
Four Mile A-7A (Beaver Pond)	11-May-15	4.35E+00	2.87E-01	Yes
Four Mile Creek Swamp Dischrg	1-Jun-15	2.81E+00	1.89E-01	Yes
Four Mile Creek at Road A-7	11-May-15	4.92E+00	3.24E-01	Yes
L3R-1A at Road B	11-May-15	4.54E-01	4.03E-02	Yes
L3R-2 Sediment	1-Jun-15	4.27E+00	2.83E-01	Yes
MCQBR downstream of Z-Basin	30-Mar-15	4.22E-02	1.68E-02	No
McQueen Branch at Monroe Road	30-Mar-15	2.35E-01	4.60E-02	Yes
POND 400	11-Mar-15	7.57E-01	8.04E-02	Yes
Pen Branch Swamp Discharge	1-Jun-15	1.55E+00	1.23E-01	Yes
RM 150.4 Sediment	23-Mar-15	-8.59E-03	1.90E-02	No
River Mile 160.0 Sediment	23-Mar-15	8.70E-02	2.99E-02	Yes
SC-2A 1 mile above Road B	11-May-15	1.90E+01	1.23E+00	Yes
SC-4 Steel Creek at Road A	1-Jun-15	1.58E+00	1.11E-01	Yes
SWDF Basin North (E-002)	30-Mar-15	9.19E-03	1.13E-02	No
SWDF Basin South (E-001)	30-Mar-15	1.62E-01	3.03E-02	Yes
TB-5 Near Road C	11-Mar-15	2.01E-02	1.77E-02	No
Tinker Creek 1	31-Mar-15	4.78E-02	1.44E-02	No
U3R-1A Treadway Bridge RD 8-1	11-Mar-15	5.86E-02	2.87E-02	No
U3R-4 Sediment	11-Mar-15	3.08E-02	1.94E-02	No
R-Area Sediment	11-May-15	1.62E+01	6.25E-02	Yes
Z-01 Outfall	19-May-15	3.59E+01	1.06E-01	Yes
Z Basin	19-May-15	8.12E+02	4.47E-01	Yes
U3R-ROAD-4	30-Mar-15	1.08E-01	2.50E-02	Yes
FMC-ROAD-A	30-Mar-15	2.42E+00	1.64E-01	Yes
McQueen Branch at Monroe Road	30-Mar-15	2.35E-01	4.60E-02	Yes
U3R-3	30-Mar-15	1.24E-01	3.21E-02	Yes
MEYERS-BRANCH	31-Mar-15	1.13E-01	2.21E-02	Yes
Pen Branch at Road A	31-Mar-15	1.26E-01	2.48E-02	Yes

Table 35 Radionuclides in SRS Stream and Basin Sediments (continued)

Radionuclide: Sr-89/90

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
E-05	11-Mar-15	2.53E-02	2.18E-02	No
E-06	11-Mar-15	-3.24E-03	3.58E-02	No
EAV Basin North (E-004)	11-Mar-15	4.30E-02	4.28E-02	No
EAV Basin South (E-003)	30-Mar-15	4.32E-02	4.17E-02	No
FM-2 at Road 4	11-May-15	1.33E-01	6.43E-02	No
FM-3A Below F-Area Effluent	11-May-15	1.70E-01	7.68E-02	No
Four Mile A-7A (Beaver Pond)	11-May-15	2.95E-01	8.80E-02	Yes
Four Mile Creek Swamp Dischrg	1-Jun-15	1.86E-01	6.64E-02	Yes
Four Mile Creek at Road A-7	11-May-15	2.84E-01	7.76E-02	Yes
L3R-1A at Road B	11-May-15	-1.79E-03	2.95E-02	No
L3R-2 Sediment	1-Jun-15	-8.35E-04	6.13E-02	No
POND 400	11-Mar-15	1.46E-01	3.31E-02	Yes
Pen Branch Swamp Discharge	1-Jun-15	3.51E-02	1.97E-02	No
RM 150.4 Sediment	23-Mar-15	1.06E-02	3.98E-02	No
River Mile 160.0 Sediment	23-Mar-15	3.81E-02	4.13E-02	No
SC-2A 1 mile above Road B	11-May-15	-3.03E-02	3.67E-02	No
SC-4 Steel Creek at Road A	1-Jun-15	6.38E-02	2.70E-02	No
SWDF Basin North (E-002)	30-Mar-15	3.24E-02	1.03E-01	No
SWDF Basin South (E-001)	30-Mar-15	1.16E-01	5.03E-02	No
TB-5 Near Road C	11-Mar-15	9.73E-02	6.48E-02	No
Tinker Creek 1	31-Mar-15	1.08E-01	7.21E-02	No
U3R-1A Treadway Bridge RD 8-1	11-Mar-15	9.92E-02	7.43E-02	No
U3R-4 Sediment	11-Mar-15	3.35E-02	4.72E-02	No
R-Area Sediment	11-May-15	9.73E-02	3.01E-01	No
Z-01 Outfall	19-May-15	5.20E-01	2.16E-01	No
Z Basin	19-May-15	1.45E-01	1.50E-01	No

Table 35 Radionuclides in SRS Stream and Basin Sediments (continued)

Radionuclide: U-234

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
E-05	11-Mar-15	9.24E-01	7.59E-02	Yes
E-06	11-Mar-15	1.31E+00	9.97E-02	Yes
EAV Basin North (E-004)	11-Mar-15	1.75E+00	1.28E-01	Yes
EAV Basin South (E-003)	30-Mar-15	1.93E+00	1.39E-01	Yes
FM-2 at Road 4	11-May-15	9.14E-01	7.68E-02	Yes
FM-3A Below F-Area Effluent	11-May-15	5.97E-01	5.23E-02	Yes
Four Mile A-7A (Beaver Pond)	11-May-15	5.38E-01	5.03E-02	Yes
Four Mile Creek Swamp Dischrg	1-Jun-15	6.54E-01	6.04E-02	Yes
Four Mile Creek at Road A-7	11-May-15	9.57E-01	8.21E-02	Yes
L3R-1A at Road B	11-May-15	1.46E-01	2.08E-02	Yes
L3R-2 Sediment	1-Jun-15	7.51E-01	6.23E-02	Yes
POND 400	11-Mar-15	2.54E+00	1.83E-01	Yes
Pen Branch Swamp Discharge	1-Jun-15	1.12E+00	8.63E-02	Yes
RM 150.4 Sediment	23-Mar-15	1.63E+00	1.23E-01	Yes
River Mile 160.0 Sediment	23-Mar-15	1.32E+00	1.00E-01	Yes
SC-2A 1 mile above Road B	11-May-15	3.22E+00	2.23E-01	Yes
SC-4 Steel Creek at Road A	1-Jun-15	2.39E-01	2.78E-02	Yes
SWDF Basin North (E-002)	30-Mar-15	2.62E-01	2.94E-02	Yes
SWDF Basin South (E-001)	30-Mar-15	1.02E+00	8.16E-02	Yes
TB-5 Near Road C	11-Mar-15	3.32E+00	2.31E-01	Yes
Tinker Creek 1	31-Mar-15	4.76E-01	4.29E-02	Yes
U3R-1A Treadway Bridge RD 8-1	11-Mar-15	1.08E+00	8.36E-02	Yes
U3R-4 Sediment	11-Mar-15	1.53E+00	1.16E-01	Yes
R-Area Sediment	11-May-15	6.15E-01	2.88E-01	No
Z-01 Outfall	19-May-15	2.75E+00	4.44E-01	Yes
Z Basin	19-May-15	2.32E+00	4.10E-01	Yes

Table 35 Radionuclides in SRS Stream and Basin Sediments (continued)

Radionuclide: U-235

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
E-05	11-Mar-15	5.65E-02	1.30E-02	Yes
E-06	11-Mar-15	6.65E-02	1.41E-02	Yes
EAV Basin North (E-004)	11-Mar-15	7.76E-02	1.52E-02	Yes
EAV Basin South (E-003)	30-Mar-15	1.12E-01	1.86E-02	Yes
FM-2 at Road 4	11-May-15	5.65E-02	1.36E-02	Yes
FM-3A Below F-Area Effluent	11-May-15	4.59E-02	1.18E-02	Yes
Four Mile A-7A (Beaver Pond)	11-May-15	4.57E-02	1.19E-02	Yes
Four Mile Creek Swamp Dischrg	1-Jun-15	3.22E-02	1.04E-02	Yes
Four Mile Creek at Road A-7	11-May-15	2.78E-02	1.05E-02	Yes
L3R-1A at Road B	11-May-15	6.05E-03	4.87E-03	No
L3R-2 Sediment	1-Jun-15	4.03E-02	1.06E-02	Yes
POND 400	11-Mar-15	1.17E-01	1.97E-02	Yes
Pen Branch Swamp Discharge	1-Jun-15	5.38E-02	1.21E-02	Yes
RM 150.4 Sediment	23-Mar-15	6.30E-02	1.39E-02	Yes
River Mile 160.0 Sediment	23-Mar-15	6.22E-02	1.32E-02	Yes
SC-2A 1 mile above Road B	11-May-15	1.92E-01	2.60E-02	Yes
SC-4 Steel Creek at Road A	1-Jun-15	1.26E-02	5.76E-03	No
SWDF Basin North (E-002)	30-Mar-15	1.71E-02	6.64E-03	Yes
SWDF Basin South (E-001)	30-Mar-15	5.84E-02	1.34E-02	Yes
TB-5 Near Road C	11-Mar-15	1.91E-01	2.65E-02	Yes
Tinker Creek 1	31-Mar-15	3.27E-02	9.32E-03	Yes
U3R-1A Treadway Bridge RD 8-1	11-Mar-15	5.68E-02	1.24E-02	Yes
U3R-4 Sediment	11-Mar-15	6.22E-02	1.39E-02	Yes
R-Area Sediment	11-May-15	2.43E-02	1.27E-01	No
Z-01 Outfall	19-May-15	9.18E-02	1.57E-01	No
Z Basin	19-May-15	-4.24E-02	9.40E-02	No

Table 35 Radionuclides in SRS Stream and Basin Sediments (continued)

Radionuclide: Np-237

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
E-05	11-Mar-15	3.73E-05	2.24E-04	No
E-06	11-Mar-15	-7.97E-04	5.49E-04	No
EAV Basin North (E-004)	11-Mar-15	2.14E-03	1.38E-03	No
EAV Basin South (E-003)	30-Mar-15	1.47E-04	5.29E-04	No
FM-2 at Road 4	11-May-15	1.62E-02	2.62E-03	Yes
FM-3A Below F-Area Effluent	11-May-15	5.27E-04	5.31E-04	No
Four Mile A-7A (Beaver Pond)	11-May-15	3.97E-03	1.26E-03	Yes
Four Mile Creek Swamp Dischrg	1-Jun-15	4.78E-03	1.25E-03	Yes
Four Mile Creek at Road A-7	11-May-15	5.89E-03	1.46E-03	Yes
L3R-1A at Road B	11-May-15	-1.09E-03	4.26E-04	No
L3R-2 Sediment	1-Jun-15	2.24E-04	2.48E-04	No
POND 400	11-Mar-15	1.54E-04	4.58E-04	No
Pen Branch Swamp Discharge	1-Jun-15	1.70E-04	1.99E-04	No
RM 150.4 Sediment	23-Mar-15	2.39E-04	2.58E-04	No
River Mile 160.0 Sediment	23-Mar-15	-1.45E-05	1.77E-05	No
SC-2A 1 mile above Road B	11-May-15	2.73E-04	3.46E-04	No
SC-4 Steel Creek at Road A	1-Jun-15	-5.16E-04	3.02E-04	No
SWDF Basin North (E-002)	30-Mar-15	1.38E-04	4.98E-04	No
SWDF Basin South (E-001)	30-Mar-15	5.00E-04	5.93E-04	No
TB-5 Near Road C	11-Mar-15	3.89E-04	3.92E-04	No
Tinker Creek 1	31-Mar-15	-1.06E-03	4.87E-04	No
U3R-1A Treadway Bridge RD 8-1	11-Mar-15	0.00E+00	3.05E-04	No
U3R-4 Sediment	11-Mar-15	-2.00E-05	2.90E-05	No
R-Area Sediment	11-May-15	-6.96E-03	1.39E-02	No
Z-01 Outfall	19-May-15	2.72E-03	7.15E-03	No
Z Basin	19-May-15	-1.27E-02	8.55E-03	No

Table 35 Radionuclides in SRS Stream and Basin Sediments (continued)**Radionuclide: U-238**

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
E-05	11-Mar-15	9.30E-01	7.36E-02	Yes
E-06	11-Mar-15	1.31E+00	9.59E-02	Yes
EAV Basin North (E-004)	11-Mar-15	1.73E+00	1.21E-01	Yes
EAV Basin South (E-003)	30-Mar-15	1.89E+00	1.31E-01	Yes
FM-2 at Road 4	11-May-15	9.11E-01	7.41E-02	Yes
FM-3A Below F-Area Effluent	11-May-15	5.35E-01	4.68E-02	Yes
Four Mile A-7A (Beaver Pond)	11-May-15	7.30E-01	6.14E-02	Yes
Four Mile Creek Swamp Dischrg	1-Jun-15	7.73E-01	6.66E-02	Yes
Four Mile Creek at Road A-7	11-May-15	1.03E+00	8.40E-02	Yes
L3R-1A at Road B	11-May-15	1.32E-01	1.90E-02	Yes
L3R-2 Sediment	1-Jun-15	6.92E-01	5.62E-02	Yes
POND 400	11-Mar-15	2.48E+00	1.71E-01	Yes
Pen Branch Swamp Discharge	1-Jun-15	1.11E+00	8.22E-02	Yes
RM 150.4 Sediment	23-Mar-15	1.72E+00	1.24E-01	Yes
River Mile 160.0 Sediment	23-Mar-15	1.34E+00	9.74E-02	Yes
SC-2A 1 mile above Road B	11-May-15	3.05E+00	2.04E-01	Yes
SC-4 Steel Creek at Road A	1-Jun-15	2.86E-01	3.06E-02	Yes
SWDF Basin North (E-002)	30-Mar-15	3.19E-01	3.21E-02	Yes
SWDF Basin South (E-001)	30-Mar-15	1.01E+00	7.76E-02	Yes
TB-5 Near Road C	11-Mar-15	3.65E+00	2.40E-01	Yes
Tinker Creek 1	31-Mar-15	4.43E-01	3.97E-02	Yes
U3R-1A Treadway Bridge RD 8-1	11-Mar-15	1.14E+00	8.45E-02	Yes
U3R-4 Sediment	11-Mar-15	1.60E+00	1.16E-01	Yes
R-Area Sediment	11-May-15	1.19E+00	2.92E-01	Yes
Z-01 Outfall	19-May-15	2.30E+00	4.10E-01	Yes
Z Basin	19-May-15	2.27E+00	4.03E-01	Yes

Table 35 Radionuclides in SRS Stream and Basin Sediments (continued)

Radionuclide: Pu-238

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
E-05	11-Mar-15	4.19E-04	3.43E-04	No
E-06	11-Mar-15	2.11E-03	1.43E-03	No
EAV Basin North (E-004)	11-Mar-15	1.48E-03	1.20E-03	No
EAV Basin South (E-003)	30-Mar-15	7.86E-03	2.08E-03	Yes
FM-2 at Road 4	11-May-15	6.65E-01	6.60E-02	Yes
FM-3A Below F-Area Effluent	11-May-15	5.24E-03	1.79E-03	Yes
Four Mile A-7A (Beaver Pond)	11-May-15	1.01E-01	1.25E-02	Yes
Four Mile Creek Swamp Dischrg	1-Jun-15	2.45E-02	3.57E-03	Yes
Four Mile Creek at Road A-7	11-May-15	1.17E-01	1.27E-02	Yes
L3R-1A at Road B	11-May-15	3.89E-04	4.62E-04	No
L3R-2 Sediment	1-Jun-15	7.24E-04	4.22E-04	No
POND 400	11-Mar-15	1.12E-01	1.23E-02	Yes
Pen Branch Swamp Discharge	1-Jun-15	1.79E-03	6.45E-04	Yes
RM 150.4 Sediment	23-Mar-15	7.38E-04	4.49E-04	No
River Mile 160.0 Sediment	23-Mar-15	-1.92E-05	2.33E-05	No
SC-2A 1 mile above Road B	11-May-15	1.41E-02	2.18E-03	Yes
SC-4 Steel Creek at Road A	1-Jun-15	4.86E-03	1.21E-03	Yes
SWDF Basin North (E-002)	30-Mar-15	4.05E-04	4.15E-04	No
SWDF Basin South (E-001)	30-Mar-15	2.17E-01	2.35E-02	Yes
TB-5 Near Road C	11-Mar-15	-2.58E-04	2.60E-04	No
Tinker Creek 1	31-Mar-15	1.90E-03	8.00E-04	Yes
U3R-1A Treadway Bridge RD 8-1	11-Mar-15	1.11E-03	6.09E-04	No
U3R-4 Sediment	11-Mar-15	4.00E-03	1.26E-03	Yes
R-Area Sediment	11-May-15	1.17E-03	3.67E-03	No
Z-01 Outfall	19-May-15	-3.80E-03	4.59E-03	No
Z Basin	19-May-15	5.34E-03	5.75E-03	No

Table 35 Radionuclides in SRS Stream and Basin Sediments (continued)

Radionuclide: Pu-239

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
E-05	11-Mar-15	5.46E-04	3.17E-04	No
E-06	11-Mar-15	3.43E-03	1.47E-03	Yes
EAV Basin North (E-004)	11-Mar-15	6.11E-03	2.35E-03	Yes
EAV Basin South (E-003)	30-Mar-15	3.22E-02	5.39E-03	Yes
FM-2 at Road 4	11-May-15	6.05E-02	7.14E-03	Yes
FM-3A Below F-Area Effluent	11-May-15	1.59E-02	3.57E-03	Yes
Four Mile A-7A (Beaver Pond)	11-May-15	4.92E-02	6.79E-03	Yes
Four Mile Creek Swamp Dischrg	1-Jun-15	2.54E-02	3.68E-03	Yes
Four Mile Creek at Road A-7	11-May-15	5.14E-02	6.20E-03	Yes
L3R-1A at Road B	11-May-15	2.32E-04	2.33E-04	No
L3R-2 Sediment	1-Jun-15	6.11E-03	1.35E-03	Yes
POND 400	11-Mar-15	2.92E-01	2.97E-02	Yes
Pen Branch Swamp Discharge	1-Jun-15	2.06E-02	2.69E-03	Yes
RM 150.4 Sediment	23-Mar-15	2.51E-04	2.53E-04	No
River Mile 160.0 Sediment	23-Mar-15	1.40E-03	5.69E-04	Yes
SC-2A 1 mile above Road B	11-May-15	2.00E-02	2.74E-03	Yes
SC-4 Steel Creek at Road A	1-Jun-15	8.76E-03	1.73E-03	Yes
SWDF Basin North (E-002)	30-Mar-15	2.58E-03	1.16E-03	No
SWDF Basin South (E-001)	30-Mar-15	5.03E-03	1.34E-03	Yes
TB-5 Near Road C	11-Mar-15	1.54E-03	7.88E-04	No
Tinker Creek 1	31-Mar-15	4.00E-03	1.28E-03	Yes
U3R-1A Treadway Bridge RD 8-1	11-Mar-15	3.84E-03	1.05E-03	Yes
U3R-4 Sediment	11-Mar-15	7.11E-03	1.67E-03	Yes
R-Area Sediment	11-May-15	-3.64E-03	5.90E-03	No
Z-01 Outfall	19-May-15	-4.97E-05	5.05E-03	No
Z Basin	19-May-15	1.74E-02	8.30E-03	No

Table 35 Radionuclides in SRS Stream and Basin Sediments (continued)

Radionuclide: Am-241

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
E-05	11-Mar-15	2.46E-02	2.74E-03	Yes
E-06	11-Mar-15	4.27E-04	5.23E-04	No
EAV Basin North (E-004)	11-Mar-15	1.02E-02	1.75E-03	Yes
EAV Basin South (E-003)	30-Mar-15	1.02E-01	7.52E-03	Yes
FM-2 at Road 4	11-May-15	1.72E-02	2.27E-03	Yes
FM-3A Below F-Area Effluent	11-May-15	3.59E-03	1.00E-03	Yes
Four Mile A-7A (Beaver Pond)	11-May-15	3.92E-02	4.09E-03	Yes
Four Mile Creek Swamp Dischrg	1-Jun-15	1.64E-02	2.09E-03	Yes
Four Mile Creek at Road A-7	11-May-15	5.84E-02	5.05E-03	Yes
L3R-1A at Road B	11-May-15	3.35E-04	3.94E-04	No
L3R-2 Sediment	1-Jun-15	1.11E-02	1.59E-03	Yes
POND 400	11-Mar-15	8.19E-02	6.22E-03	Yes
Pen Branch Swamp Discharge	1-Jun-15	8.59E-03	1.52E-03	Yes
RM 150.4 Sediment	23-Mar-15	6.54E-04	4.34E-04	No
River Mile 160.0 Sediment	23-Mar-15	5.84E-04	3.70E-04	No
SC-2A 1 mile above Road B	11-May-15	1.09E-02	1.76E-03	Yes
SC-4 Steel Creek at Road A	1-Jun-15	2.16E-03	6.96E-04	Yes
SWDF Basin North (E-002)	30-Mar-15	4.03E-04	4.74E-04	No
SWDF Basin South (E-001)	30-Mar-15	5.32E-03	1.12E-03	Yes
TB-5 Near Road C	11-Mar-15	1.47E-04	5.32E-04	No
Tinker Creek 1	31-Mar-15	5.05E-04	3.60E-04	No
U3R-1A Treadway Bridge RD 8-1	11-Mar-15	1.76E-03	5.98E-04	Yes
U3R-4 Sediment	11-Mar-15	1.58E-03	6.86E-04	Yes
R-Area Sediment	11-May-15	4.23E-03	8.10E-03	No
Z-01 Outfall	19-May-15	1.25E-02	1.35E-02	No
Z Basin	19-May-15	1.27E-02	9.45E-03	No

Table 35 Radionuclides in SRS Stream and Basin Sediments (continued)

Radionuclide: Cm-244

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
E-05	11-Mar-15	4.16E-03	9.71E-04	Yes
E-06	11-Mar-15	3.22E-04	3.40E-04	No
EAV Basin North (E-004)	11-Mar-15	1.51E-03	6.26E-04	Yes
EAV Basin South (E-003)	30-Mar-15	1.15E-02	1.63E-03	Yes
FM-2 at Road 4	11-May-15	7.03E-03	1.35E-03	Yes
FM-3A Below F-Area Effluent	11-May-15	5.16E-03	1.21E-03	Yes
Four Mile A-7A (Beaver Pond)	11-May-15	3.32E-02	3.66E-03	Yes
Four Mile Creek Swamp Dischrg	1-Jun-15	1.23E-02	1.76E-03	Yes
Four Mile Creek at Road A-7	11-May-15	5.24E-02	4.65E-03	Yes
L3R-1A at Road B	11-May-15	0.00E+00	3.30E-04	No
L3R-2 Sediment	1-Jun-15	8.08E-03	1.33E-03	Yes
POND 400	11-Mar-15	1.18E-02	1.60E-03	Yes
Pen Branch Swamp Discharge	1-Jun-15	1.34E-03	5.60E-04	Yes
RM 150.4 Sediment	23-Mar-15	-1.20E-04	1.21E-04	No
River Mile 160.0 Sediment	23-Mar-15	0.00E+00	2.17E-04	No
SC-2A 1 mile above Road B	11-May-15	4.73E-04	3.35E-04	No
SC-4 Steel Creek at Road A	1-Jun-15	8.68E-04	4.34E-04	No
SWDF Basin North (E-002)	30-Mar-15	3.00E-04	3.07E-04	No
SWDF Basin South (E-001)	30-Mar-15	2.21E-03	6.82E-04	Yes
TB-5 Near Road C	11-Mar-15	0.00E+00	5.67E-04	No
Tinker Creek 1	31-Mar-15	-1.70E-04	1.73E-04	No
U3R-1A Treadway Bridge RD 8-1	11-Mar-15	1.98E-04	1.99E-04	No
U3R-4 Sediment	11-Mar-15	7.54E-04	4.38E-04	No
R-Area Sediment	11-May-15	3.37E-02	1.45E-02	No
Z-01 Outfall	19-May-15	1.86E-02	1.46E-02	No
Z Basin	19-May-15	2.69E-02	1.17E-02	No

Table 35 Radionuclides in SRS Stream and Basin Sediments (continued)

Radionuclide: Gross Beta

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
E-05	11-Mar-15	7.38E+00	1.61E+00	Yes
E-06	11-Mar-15	1.22E+01	1.82E+00	Yes
EAV Basin North (E-004)	11-Mar-15	1.46E+01	1.98E+00	Yes
EAV Basin South (E-003)	30-Mar-15	1.65E+01	2.05E+00	Yes
FM-2 at Road 4	11-May-15	2.14E+01	2.21E+00	Yes
FM-3A Below F-Area Effluent	11-May-15	8.30E+00	1.62E+00	Yes
Four Mile A-7A (Beaver Pond)	11-May-15	1.13E+01	1.78E+00	Yes
Four Mile Creek Swamp Dischrg	1-Jun-15	7.41E+00	1.54E+00	Yes
Four Mile Creek at Road A-7	11-May-15	5.51E+00	1.44E+00	Yes
L3R-1A at Road B	11-May-15	1.98E+01	2.22E+00	Yes
L3R-2 Sediment	1-Jun-15	1.06E+01	1.73E+00	Yes
MCQBR downstream of Z-Basin	30-Mar-15	2.17E+01	2.27E+00	Yes
McQueen Branch at Monroe Road	30-Mar-15	1.28E+01	1.86E+00	Yes
POND 400	11-Mar-15	4.22E+01	3.00E+00	Yes
Pen Branch Swamp Discharge	1-Jun-15	1.09E+01	1.31E+00	Yes
RM 150.4 Sediment	23-Mar-15	1.96E+01	2.18E+00	Yes
River Mile 160.0 Sediment	23-Mar-15	2.30E+01	2.30E+00	Yes
SC-2A 1 mile above Road B	11-May-15	3.54E+01	2.76E+00	Yes
SC-4 Steel Creek at Road A	1-Jun-15	5.84E+00	1.44E+00	Yes
SWDF Basin North (E-002)	30-Mar-15	7.73E-02	1.06E+00	No
SWDF Basin South (E-001)	30-Mar-15	1.10E+01	1.77E+00	Yes
TB-5 Near Road C	11-Mar-15	1.92E+01	2.15E+00	Yes
Tinker Creek 1	31-Mar-15	1.96E+00	1.18E+00	No
U3R-1A Treadway Bridge RD 8-1	11-Mar-15	2.78E+01	2.50E+00	Yes
U3R-4 Sediment	11-Mar-15	6.62E+00	1.50E+00	Yes
R-Area Sediment	11-May-15	2.79E+01	1.71E+00	Yes
Z-01 Outfall	19-May-15	5.08E+01	1.88E+00	Yes
Z Basin	19-May-15	1.06E+03	1.01E+01	Yes
U3R-ROAD-4	30-Mar-15	9.85E+00	1.70E+00	Yes
FMC-ROAD-A	30-Mar-15	4.41E+00	1.36E+00	Yes
McQueen Branch at Monroe Road	30-Mar-15	1.28E+01	1.86E+00	Yes
U3R-3	30-Mar-15	1.77E+01	2.10E+00	Yes
MEYERS-BRANCH	31-Mar-15	6.12E+00	1.48E+00	Yes
Pen Branch at Road A	31-Mar-15	6.75E+00	1.52E+00	Yes

Table 35 Radionuclides in SRS Stream and Basin Sediments (continued)

Radionuclide: Gross Alpha				
Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
E-05	11-Mar-15	1.56E+01	2.69E+00	Yes
E-06	11-Mar-15	8.19E+00	1.85E+00	Yes
EAV Basin North (E-004)	11-Mar-15	1.58E+01	2.72E+00	Yes
EAV Basin South (E-003)	30-Mar-15	1.27E+01	2.46E+00	Yes
FM-2 at Road 4	11-May-15	8.95E+00	1.77E+00	Yes
FM-3A Below F-Area Effluent	11-May-15	1.27E+01	2.17E+00	Yes
Four Mile A-7A (Beaver Pond)	11-May-15	1.05E+01	2.03E+00	Yes
Four Mile Creek Swamp Dischrg	1-Jun-15	4.08E+00	1.19E+00	Yes
Four Mile Creek at Road A-7	11-May-15	4.46E+00	1.37E+00	Yes
L3R-1A at Road B	11-May-15	3.11E+01	3.51E+00	Yes
L3R-2 Sediment	1-Jun-15	9.95E+00	1.80E+00	Yes
MCQBR downstream of Z-Basin	30-Mar-15	3.27E+01	3.22E+00	Yes
McQueen Branch at Monroe Road	30-Mar-15	1.29E+01	2.27E+00	Yes
POND 400	11-Mar-15	2.39E+01	3.32E+00	Yes
Pen Branch Swamp Discharge	1-Jun-15	5.49E+00	1.08E+00	Yes
RM 150.4 Sediment	23-Mar-15	1.25E+01	2.33E+00	Yes
River Mile 160.0 Sediment	23-Mar-15	1.15E+01	2.19E+00	Yes
SC-2A 1 mile above Road B	11-May-15	3.08E+01	3.31E+00	Yes
SC-4 Steel Creek at Road A	1-Jun-15	3.05E+00	1.04E+00	Yes
SWDF Basin North (E-002)	30-Mar-15	5.73E+00	1.61E+00	Yes
SWDF Basin South (E-001)	30-Mar-15	1.32E+01	2.25E+00	Yes
TB-5 Near Road C	11-Mar-15	2.41E+01	2.81E+00	Yes
Tinker Creek 1	31-Mar-15	3.54E+00	1.13E+00	Yes
U3R-1A Treadway Bridge RD 8-1	11-Mar-15	3.51E+01	3.44E+00	Yes
U3R-4 Sediment	11-Mar-15	5.76E+00	1.41E+00	Yes
R-Area Sediment	11-May-15	2.01E+01	1.96E+00	Yes
Z-01 Outfall	19-May-15	2.54E+01	2.12E+00	Yes
Z Basin	19-May-15	2.39E+01	3.34E+00	Yes
U3R-ROAD-4	30-Mar-15	1.27E+01	2.10E+00	Yes
FMC-ROAD-A	30-Mar-15	4.31E+00	1.26E+00	Yes
McQueen Branch at Monroe Road	30-Mar-15	1.30E+01	2.27E+00	Yes
U3R-3	30-Mar-15	2.91E+01	3.11E+00	Yes
MEYERS-BRANCH	31-Mar-15	9.33E+00	1.81E+00	Yes
Pen Branch at Road A	31-Mar-15	1.06E+01	1.88E+00	Yes

Table 36 Radionuclides in SRS Onsite Drinking Water

Radionuclide: H-3 (tritium)

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
617-G	5-Jan-15	-2.29E+01	4.11E+01	No
681-3G Dom. Water Faucet	5-Jan-15	-4.70E+01	4.19E+01	No
704-16G	5-Jan-15	-4.22E+01	4.22E+01	No
709-1G	5-Jan-15	-6.41E+01	4.19E+01	No
737-G	5-Jan-15	-5.08E+01	4.21E+01	No
782-3A	5-Jan-15	-2.35E+01	4.22E+01	No
782-3A	9-Apr-15	-8.43E+00	5.01E+01	No
782-3A	6-Jul-15	-1.74E+01	4.62E+01	No
782-3A	7-Oct-15	-3.03E+00	5.62E+01	No
905-112G Well	7-Jan-15	3.35E+00	4.24E+01	No
905-113G Well	6-Jan-15	-2.35E+01	4.21E+01	No
905-125B	6-Jan-15	5.16E+00	4.36E+01	No
905-67B	6-Jan-15	-6.84E+00	4.32E+01	No

Radionuclide: Co-60

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
617-G	5-Jan-15	2.89E-01	1.89E+00	No
681-3G Dom. Water Faucet	5-Jan-15	1.36E+00	2.02E+00	No
704-16G	5-Jan-15	2.78E+00	2.06E+00	No
709-1G	5-Jan-15	6.68E-02	1.96E+00	No
737-G	5-Jan-15	1.13E+00	1.95E+00	No
782-3A	5-Jan-15	1.62E+00	1.92E+00	No
782-3A	9-Apr-15	2.28E+00	2.06E+00	No
782-3A	6-Jul-15	-1.23E+00	1.91E+00	No
782-3A	7-Oct-15	-4.76E-01	1.93E+00	No
905-112G Well	7-Jan-15	-2.05E-01	2.28E+00	No
905-113G Well	6-Jan-15	3.05E+00	2.33E+00	No
905-125B	6-Jan-15	-3.14E+00	2.47E+00	No
905-67B	6-Jan-15	1.60E+00	2.32E+00	No

Table 36 Radionuclides in SRS Onsite Drinking Water (continued)

Radionuclide: Cs-137

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
617-G	5-Jan-15	3.05E+00	2.16E+00	No
681-3G Dom. Water Faucet	5-Jan-15	-7.30E-01	2.21E+00	No
704-16G	5-Jan-15	1.48E+00	2.12E+00	No
709-1G	5-Jan-15	-2.15E-01	2.20E+00	No
737-G	5-Jan-15	-1.85E+00	2.04E+00	No
782-3A	5-Jan-15	5.46E-01	2.13E+00	No
782-3A	9-Apr-15	7.19E-01	2.25E+00	No
782-3A	6-Jul-15	-1.38E+00	2.09E+00	No
782-3A	7-Oct-15	1.12E+00	2.26E+00	No
905-112G Well	7-Jan-15	1.37E+00	2.49E+00	No
905-113G Well	6-Jan-15	5.43E-01	2.40E+00	No
905-125B	6-Jan-15	3.38E+00	2.35E+00	No
905-67B	6-Jan-15	7.95E-03	2.29E+00	No

Radionuclide: Sr-89/90

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
617-G	5-Jan-15	1.31E-01	2.07E-01	No
681-3G Dom. Water Faucet	5-Jan-15	1.11E-01	2.00E-01	No
704-16G	5-Jan-15	-7.62E-02	2.00E-01	No
709-1G	5-Jan-15	-1.15E-01	1.86E-01	No
737-G	5-Jan-15	1.84E-01	2.17E-01	No
782-3A	5-Jan-15	-1.08E-01	1.84E-01	No
905-112G Well	7-Jan-15	-1.59E-01	1.74E-01	No
905-113G Well	6-Jan-15	-4.16E-02	1.96E-01	No
905-125B	6-Jan-15	-3.08E-02	1.91E-01	No
905-67B	6-Jan-15	-1.45E-01	1.81E-01	No

Table 36 Radionuclides in SRS Onsite Drinking Water (continued)

Radionuclide: U-234

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
617-G	5-Jan-15	4.86E-03	2.83E-03	No
681-3G Dom. Water Faucet	5-Jan-15	2.13E-03	2.51E-03	No
704-16G	5-Jan-15	3.76E-03	3.00E-03	No
709-1G	5-Jan-15	4.86E-04	1.77E-03	No
737-G	5-Jan-15	6.32E-03	3.20E-03	No
782-3A	5-Jan-15	1.88E-02	6.02E-03	Yes
905-112G Well	7-Jan-15	2.46E-02	7.43E-03	Yes
905-113G Well	6-Jan-15	2.09E-02	6.56E-03	Yes
905-125B	6-Jan-15	4.57E-02	9.36E-03	Yes
905-67B	6-Jan-15	9.86E-03	5.08E-03	No

Radionuclide: U-235

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
617-G	5-Jan-15	-6.78E-07	1.92E-03	No
681-3G Dom. Water Faucet	5-Jan-15	6.57E-04	2.37E-03	No
704-16G	5-Jan-15	5.95E-03	3.47E-03	No
709-1G	5-Jan-15	1.81E-03	1.82E-03	No
737-G	5-Jan-15	-6.78E-07	1.98E-03	No
782-3A	5-Jan-15	-6.78E-07	2.10E-03	No
905-112G Well	7-Jan-15	2.97E-03	3.49E-03	No
905-113G Well	6-Jan-15	4.08E-03	2.90E-03	No
905-125B	6-Jan-15	9.97E-03	4.53E-03	Yes
905-67B	6-Jan-15	4.05E-03	2.89E-03	No

Table 36 Radionuclides in SRS Onsite Drinking Water (continued)**Radionuclide: U-238**

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
617-G	5-Jan-15	1.62E-03	1.62E-03	No
681-3G Dom. Water Faucet	5-Jan-15	3.19E-03	2.26E-03	No
704-16G	5-Jan-15	9.62E-03	3.98E-03	Yes
709-1G	5-Jan-15	0.00E+00	1.90E-03	No
737-G	5-Jan-15	1.58E-03	1.58E-03	No
782-3A	5-Jan-15	2.86E-02	7.38E-03	Yes
905-112G Well	7-Jan-15	2.89E-02	7.48E-03	Yes
905-113G Well	6-Jan-15	3.62E-02	8.11E-03	Yes
905-125B	6-Jan-15	6.62E-02	1.13E-02	Yes
905-67B	6-Jan-15	1.31E-02	4.73E-03	Yes

Radionuclide: Pu-238

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
617-G	5-Jan-15	3.46E-03	2.26E-03	No
681-3G Dom. Water Faucet	5-Jan-15	1.70E-03	2.32E-03	No
704-16G	5-Jan-15	0.00E+00	2.15E-03	No
709-1G	5-Jan-15	1.58E-03	1.59E-03	No
737-G	5-Jan-15	5.41E-04	1.95E-03	No
782-3A	5-Jan-15	1.64E-03	1.64E-03	No
905-112G Well	7-Jan-15	2.01E-03	2.20E-03	No
905-113G Well	6-Jan-15	1.95E-03	2.17E-03	No
905-125B	6-Jan-15	0.00E+00	2.64E-03	No
905-67B	6-Jan-15	0.00E+00	2.17E-03	No

Table 36 Radionuclides in SRS Onsite Drinking Water (continued)

Radionuclide: Pu-239

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
617-G	5-Jan-15	5.16E-03	3.03E-03	No
681-3G Dom. Water Faucet	5-Jan-15	1.70E-03	1.72E-03	No
704-16G	5-Jan-15	-5.54E-04	2.28E-03	No
709-1G	5-Jan-15	5.24E-04	1.91E-03	No
737-G	5-Jan-15	3.24E-03	2.32E-03	No
782-3A	5-Jan-15	-2.19E-03	2.07E-03	No
905-112G Well	7-Jan-15	-2.68E-03	2.20E-03	No
905-113G Well	6-Jan-15	-1.30E-03	2.17E-03	No
905-125B	6-Jan-15	-2.00E-06	1.44E-04	No
905-67B	6-Jan-15	6.24E-04	2.27E-03	No

Radionuclide: Am-241

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
617-G	5-Jan-15	1.11E-02	4.85E-03	Yes
681-3G Dom. Water Faucet	5-Jan-15	3.97E-03	3.16E-03	No
704-16G	5-Jan-15	1.46E-02	5.23E-03	Yes
709-1G	5-Jan-15	1.18E-02	5.11E-03	Yes
737-G	5-Jan-15	2.40E-03	2.81E-03	No
782-3A	5-Jan-15	1.79E-03	2.30E-03	No
905-112G Well	7-Jan-15	3.89E-03	2.76E-03	No
905-113G Well	6-Jan-15	1.19E-02	5.19E-03	Yes
905-125B	6-Jan-15	1.13E-02	4.66E-03	Yes
905-67B	6-Jan-15	5.19E-03	3.01E-03	No

Table 36 Radionuclides in SRS Onsite Drinking Water (continued)

Radionuclide: Cm-244

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
617-G	5-Jan-15	-1.81E-06	1.16E-04	No
681-3G Dom. Water Faucet	5-Jan-15	-1.81E-06	1.15E-04	No
704-16G	5-Jan-15	-1.81E-06	1.14E-04	No
709-1G	5-Jan-15	-1.22E-03	2.25E-03	No
737-G	5-Jan-15	-1.18E-03	2.04E-03	No
782-3A	5-Jan-15	-1.81E-06	1.15E-04	No
905-112G Well	7-Jan-15	-1.81E-06	1.15E-04	No
905-113G Well	6-Jan-15	-1.81E-06	1.16E-04	No
905-125B	6-Jan-15	-2.47E-03	2.27E-03	No
905-67B	6-Jan-15	-1.81E-06	1.15E-04	No

Radionuclide: Gross Beta

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
617-G	5-Jan-15	1.24E+00	1.78E-01	Yes
681-3G Dom. Water Faucet	5-Jan-15	3.19E+00	2.42E-01	Yes
704-16G	5-Jan-15	1.40E+00	1.88E-01	Yes
709-1G	5-Jan-15	1.50E+00	1.90E-01	Yes
737-G	5-Jan-15	1.40E+00	1.87E-01	Yes
782-3A	5-Jan-15	9.95E-01	1.72E-01	Yes
782-3A	9-Apr-15	1.60E+00	2.07E-01	Yes
782-3A	6-Jul-15	1.47E+00	2.00E-01	Yes
782-3A	7-Oct-15	9.76E-01	1.76E-01	Yes
905-112G Well	7-Jan-15	1.32E+00	1.81E-01	Yes
905-113G Well	6-Jan-15	1.03E+00	1.69E-01	Yes
905-125B	6-Jan-15	1.92E+00	2.04E-01	Yes
905-67B	6-Jan-15	4.41E-01	1.44E-01	Yes

Table 36 Radionuclides in SRS Onsite Drinking Water (continued)

Radionuclide: Gross Alpha

Location	Sample Date	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
617-G	5-Jan-15	6.27E-02	8.17E-02	No
681-3G Dom. Water Faucet	5-Jan-15	7.08E-01	1.46E-01	Yes
704-16G	5-Jan-15	1.03E+00	1.96E-01	Yes
709-1G	5-Jan-15	2.81E-01	1.17E-01	Yes
737-G	5-Jan-15	3.43E-01	1.34E-01	Yes
782-3A	5-Jan-15	7.38E-01	1.75E-01	Yes
782-3A	9-Apr-15	2.02E+00	2.78E-01	Yes
782-3A	6-Jul-15	1.65E+00	2.59E-01	Yes
782-3A	7-Oct-15	1.30E+00	1.81E-01	Yes
905-112G Well	7-Jan-15	1.08E+00	1.68E-01	Yes
905-113G Well	6-Jan-15	9.59E-01	1.61E-01	Yes
905-125B	6-Jan-15	1.90E+00	2.21E-01	Yes
905-67B	6-Jan-15	5.05E-01	1.31E-01	Yes

Table 36 Radionuclides in Offsite Water Treatment Plants

SRS collects samples from two water treatment plants that use Savannah River water as the source of drinking water that is provided to their customers. One plant, the North Augusta Public Water Works (PWW), is located upriver from SRS. The second plant, Beaufort-Jasper Water and Sewer Authority's (BJWSA) Purrysburg water treatment plant, is located downriver from SRS. The collected samples are of finished drinking water. Each sample is a composite of a month of daily aliquots.

Radionuclide: H-3 (tritium)

Sample Date	BJWSA – Purrysburg			N. Augusta PWW		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
31-Jan-15	2.25E+02	5.36E+01	Yes	7.49E+01	4.61E+01	No
28-Feb-15	2.25E+02	5.39E+01	Yes	-1.07E+01	4.50E+01	No
31-Mar-15	2.08E+02	5.34E+01	Yes	9.22E+01	5.18E+01	No
30-Apr-15	2.22E+02	4.98E+01	Yes	1.09E+02	4.63E+01	No
31-May-15	1.52E+02	4.86E+01	Yes	5.22E+01	4.70E+01	No
30-Jun-15	4.76E+02	5.21E+01	Yes	2.95E+01	4.66E+01	No
31-Jul-15	3.16E+02	5.94E+01	Yes	3.19E+02	5.90E+01	Yes
31-Aug-15	5.11E+02	6.07E+01	Yes	1.28E+02	5.78E+01	No
29-Sep-15	5.16E+02	6.03E+01	Yes	6.95E+01	5.66E+01	No
31-Oct-15	7.35E+02	6.10E+01	Yes	1.16E+02	5.34E+01	No
30-Nov-15	8.11E+02	6.10E+01	Yes	5.27E+01	5.23E+01	No
31-Dec-15	4.32E+02	5.69E+01	Yes	9.35E+01	5.21E+01	No

Radionuclide: Co-60

Sample Date	BJWSA – Purrysburg			N. Augusta PWW		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
31-Jan-15	3.92E+00	2.01E+00	No	-1.28E-02	2.47E+00	No
28-Feb-15	-6.05E-01	2.18E+00	No	1.61E+00	2.43E+00	No
31-Mar-15	4.97E+00	2.11E+00	No	8.92E-02	1.68E+00	No
30-Apr-15	7.22E-01	1.90E+00	No	2.38E+00	2.01E+00	No
31-May-15	1.80E+00	2.13E+00	No	-3.89E+00	2.24E+00	No
30-Jun-15	2.48E+00	1.76E+00	No	-4.97E-01	2.00E+00	No
31-Jul-15	1.51E+00	1.82E+00	No	4.19E+00	1.83E+00	No
31-Aug-15	-1.63E+00	2.02E+00	No	4.05E-01	1.98E+00	No
29-Sep-15	5.49E-01	1.82E+00	No	4.19E+00	1.96E+00	No
31-Oct-15	1.83E+00	2.08E+00	No	9.57E-01	1.85E+00	No
30-Nov-15	2.61E-01	1.91E+00	No	1.40E+00	2.01E+00	No
31-Dec-15	2.92E-01	1.98E+00	No	1.26E+00	2.01E+00	No

Table 36 Radionuclides in Offsite Water Treatment Plants (continued)

Radionuclide: Cs-137

Sample Date	BJWSA – Purrysburg			N. Augusta PWW		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
31-Jan-15	1.61E+00	2.23E+00	No	-3.22E+00	2.38E+00	No
28-Feb-15	-8.59E-01	2.02E+00	No	-2.78E+00	2.45E+00	No
31-Mar-15	2.00E-02	2.06E+00	No	-2.24E-01	2.01E+00	No
30-Apr-15	-2.76E+00	1.92E+00	No	1.66E+00	2.07E+00	No
31-May-15	-5.38E-01	2.08E+00	No	-5.73E-01	2.47E+00	No
30-Jun-15	-7.86E-01	2.04E+00	No	9.16E-01	2.02E+00	No
31-Jul-15	1.63E+00	2.15E+00	No	3.05E-01	2.12E+00	No
31-Aug-15	-3.38E+00	2.20E+00	No	2.40E+00	1.98E+00	No
29-Sep-15	-1.92E+00	2.03E+00	No	-3.70E+00	2.38E+00	No
31-Oct-15	-1.88E+00	2.08E+00	No	-3.05E-02	2.12E+00	No
30-Nov-15	-1.93E+00	1.99E+00	No	3.11E+00	2.26E+00	No
31-Dec-15	1.16E-01	2.02E+00	No	1.14E+00	2.09E+00	No

Radionuclide: Gross Beta

Sample Date	BJWSA – Purrysburg			N. Augusta PWW		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
31-Jan-15	1.58E+00	2.02E-01	Yes	1.79E+00	2.13E-01	Yes
28-Feb-15	1.79E+00	2.10E-01	Yes	1.98E+00	2.19E-01	Yes
31-Mar-15	1.67E+00	2.06E-01	Yes	1.92E+00	2.11E-01	Yes
30-Apr-15	1.65E+00	2.02E-01	Yes	1.99E+00	2.16E-01	Yes
31-May-15	1.54E+00	1.98E-01	Yes	1.89E+00	2.11E-01	Yes
30-Jun-15	1.83E+00	2.08E-01	Yes	1.83E+00	2.04E-01	Yes
31-Jul-15	1.81E+00	2.15E-01	Yes	2.78E+00	2.34E-01	Yes
31-Aug-15	1.75E+00	2.13E-01	Yes	1.52E+00	1.93E-01	Yes
29-Sep-15	2.11E+00	2.25E-01	Yes	1.73E+00	2.04E-01	Yes
31-Oct-15	1.95E+00	2.09E-01	Yes	1.98E+00	2.17E-01	Yes
30-Nov-15	1.77E+00	2.02E-01	Yes	2.01E+00	2.20E-01	Yes
31-Dec-15	1.98E+00	2.09E-01	Yes	2.48E+00	2.24E-01	Yes

Table 36 Radionuclides in Offsite Water Treatment Plants (continued)

Radionuclide: Gross Alpha

Sample Date	BJWSA – Purrysburg			N. Augusta PWW		
	Result (pCi/L)	Standard Deviation (pCi/L)	Significant	Result (pCi/L)	Standard Deviation (pCi/L)	Significant
31-Jan-15	2.64E-02	7.26E-02	No	2.18E-02	6.84E-02	No
28-Feb-15	1.66E-01	1.01E-01	No	4.86E-02	7.07E-02	No
31-Mar-15	1.91E-01	1.01E-01	No	-7.89E-03	5.30E-02	No
30-Apr-15	1.89E-01	1.21E-01	No	3.05E-01	1.08E-01	Yes
31-May-15	4.89E-02	9.56E-02	No	2.12E-01	9.24E-02	Yes
30-Jun-15	8.19E-02	1.01E-01	No	1.19E-01	8.80E-02	No
31-Jul-15	8.14E-02	8.36E-02	No	1.16E-01	8.54E-02	No
31-Aug-15	1.29E-02	6.74E-02	No	8.76E-02	7.96E-02	No
29-Sep-15	8.11E-02	8.41E-02	No	1.28E-01	8.84E-02	No
31-Oct-15	1.72E-02	6.43E-02	No	1.79E-02	7.59E-02	No
30-Nov-15	4.76E-02	6.93E-02	No	6.84E-02	7.10E-02	No
31-Dec-15	1.64E-02	6.13E-02	No	7.05E-02	6.86E-02	No

Table 37 Radionuclides in Freshwater Fish

SRS collects fish from the mouths of creeks that traverse SRS and enter into the Savannah River. All samples are from fish flesh, unless noted. Strontium-89/90 is analyzed in both fish flesh and fish bones and are reported separately. Bone samples are identified as “nonedible”.

Radionuclide: H-3 (tritium)

Location	Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Augusta Lock and Dam	Bass	29-Jul-15	-3.14E-02	3.57E-02	No
Augusta Lock and Dam	Bass	29-Jul-15	-8.03E-03	3.30E-02	No
Augusta Lock and Dam	Bass	29-Jul-15	-2.41E-02	3.43E-02	No
Augusta Lock and Dam	Bream	29-Jul-15	6.19E-02	2.76E-02	No
Augusta Lock and Dam	Bream	29-Jul-15	9.49E-03	1.31E-02	No
Augusta Lock and Dam	Bream	29-Jul-15	1.33E-02	1.41E-02	No
Augusta Lock and Dam	Catfish	29-Jul-15	1.48E-02	1.22E-02	No
Augusta Lock and Dam	Catfish	29-Jul-15	1.73E-02	1.33E-02	No
Augusta Lock and Dam	Catfish	29-Jul-15	4.95E-02	1.39E-02	Yes
Four Mile Creek River Mouth	Bass	27-May-15	7.00E-02	2.34E-02	Yes
Four Mile Creek River Mouth	Bass	27-May-15	4.38E-02	2.44E-02	No
Four Mile Creek River Mouth	Bass	27-May-15	4.57E-02	2.44E-02	No
Four Mile Creek River Mouth	Bream	27-May-15	7.78E-01	3.70E-02	Yes
Four Mile Creek River Mouth	Bream	27-May-15	8.95E-02	2.86E-02	Yes
Four Mile Creek River Mouth	Bream	27-May-15	6.62E-02	2.73E-02	No
Four Mile Creek River Mouth	Catfish	18-May-15	3.11E-02	2.95E-02	No
Four Mile Creek River Mouth	Catfish	18-May-15	3.43E-02	2.58E-02	No
Four Mile Creek River Mouth	Catfish	18-May-15	1.14E-02	2.78E-02	No
Hwy-301 Bridge Area	Bass	23-Jun-15	1.22E-01	3.38E-02	Yes
Hwy-301 Bridge Area	Bass	23-Jun-15	1.26E-01	3.41E-02	Yes
Hwy-301 Bridge Area	Bass	23-Jun-15	4.73E-02	3.03E-02	No
Hwy-301 Bridge Area	Bream	23-Jun-15	1.89E-01	1.95E-02	Yes
Hwy-301 Bridge Area	Bream	23-Jun-15	2.46E-01	1.98E-02	Yes
Hwy-301 Bridge Area	Bream	23-Jun-15	1.64E-01	1.82E-02	Yes
Hwy-301 Bridge Area	Catfish	23-Jun-15	1.90E-01	2.84E-02	Yes
Hwy-301 Bridge Area	Catfish	23-Jun-15	2.64E-01	1.98E-02	Yes
Hwy-301 Bridge Area	Catfish	23-Jun-15	4.03E-01	2.20E-02	Yes

Table 37 Radionuclides in Freshwater Fish (continued)

Radionuclide: H-3 (tritium) (continued)

Location	Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
L3R Creek River Mouth	Bass	28-Apr-15	-3.41E-03	3.14E-02	No
L3R Creek River Mouth	Bass	13-May-15	-1.29E-02	2.97E-02	No
L3R Creek River Mouth	Bass	13-May-15	3.08E-03	2.86E-02	No
L3R Creek River Mouth	Bream	4-Mar-15	7.32E-02	3.54E-02	No
L3R Creek River Mouth	Bream	4-Mar-15	1.72E-01	3.59E-02	Yes
L3R Creek River Mouth	Bream	13-May-15	1.41E-01	3.43E-02	Yes
L3R Creek River Mouth	Catfish	13-May-15	3.51E-02	2.86E-02	No
L3R Creek River Mouth	Catfish	13-May-15	3.68E-02	3.19E-02	No
L3R Creek River Mouth	Catfish	13-May-15	-1.67E-02	3.41E-02	No
Steel Creek River Mouth	Bass	3-Jun-15	4.51E-02	2.51E-02	No
Steel Creek River Mouth	Bass	3-Jun-15	2.38E-02	2.57E-02	No
Steel Creek River Mouth	Bass	3-Jun-15	5.54E-02	2.37E-02	No
Steel Creek River Mouth	Bream	3-Jun-15	3.51E-02	2.58E-02	No
Steel Creek River Mouth	Bream	3-Jun-15	4.32E-02	2.70E-02	No
Steel Creek River Mouth	Bream	3-Jun-15	4.86E-02	2.60E-02	No
Steel Creek River Mouth	Catfish	3-Jun-15	1.31E-01	3.14E-02	Yes
Steel Creek River Mouth	Catfish	3-Jun-15	8.16E-02	3.08E-02	No
Steel Creek River Mouth	Catfish	3-Jun-15	6.16E-02	3.38E-02	No
U3R Creek River Mouth	Bass	6-May-15	7.43E-02	2.68E-02	Yes
U3R Creek River Mouth	Bass	6-May-15	1.34E-01	3.00E-02	Yes
U3R Creek River Mouth	Bass	6-May-15	1.06E-01	3.24E-02	Yes
U3R Creek River Mouth	Bream	6-May-15	8.62E-02	2.57E-02	Yes
U3R Creek River Mouth	Bream	6-May-15	8.35E-02	2.57E-02	Yes
U3R Creek River Mouth	Bream	6-May-15	1.17E-01	2.61E-02	Yes
U3R Creek River Mouth	Catfish	22-Apr-15	3.11E-02	3.62E-02	No
U3R Creek River Mouth	Catfish	6-May-15	-1.02E-02	3.41E-02	No
U3R Creek River Mouth	Catfish	6-May-15	6.41E-02	3.95E-02	No

Table 37 Radionuclides in Freshwater Fish (continued)

Radionuclide: Co-60

Location	Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Augusta Lock and Dam	Bass	29-Jul-15	1.03E-02	1.24E-02	No
Augusta Lock and Dam	Bass	29-Jul-15	-1.93E-02	1.14E-02	No
Augusta Lock and Dam	Bass	29-Jul-15	2.81E-04	1.07E-02	No
Augusta Lock and Dam	Bream	29-Jul-15	-2.18E-02	1.30E-02	No
Augusta Lock and Dam	Bream	29-Jul-15	4.70E-03	1.35E-02	No
Augusta Lock and Dam	Bream	29-Jul-15	-1.40E-02	1.41E-02	No
Augusta Lock and Dam	Catfish	29-Jul-15	-3.03E-03	1.12E-02	No
Augusta Lock and Dam	Catfish	29-Jul-15	-1.89E-03	1.09E-02	No
Augusta Lock and Dam	Catfish	29-Jul-15	2.56E-03	1.17E-02	No
Four Mile Creek River Mouth	Bass	27-May-15	7.32E-04	1.17E-02	No
Four Mile Creek River Mouth	Bass	27-May-15	1.58E-03	1.01E-02	No
Four Mile Creek River Mouth	Bass	27-May-15	1.00E-02	1.01E-02	No
Four Mile Creek River Mouth	Bream	27-May-15	-3.70E-03	1.35E-02	No
Four Mile Creek River Mouth	Bream	27-May-15	6.08E-03	1.27E-02	No
Four Mile Creek River Mouth	Bream	27-May-15	1.20E-03	1.31E-02	No
Four Mile Creek River Mouth	Catfish	18-May-15	-2.89E-03	1.06E-02	No
Four Mile Creek River Mouth	Catfish	18-May-15	-7.97E-03	1.26E-02	No
Four Mile Creek River Mouth	Catfish	18-May-15	1.59E-02	9.43E-03	No
Hwy-301 Bridge Area	Bass	23-Jun-15	8.08E-03	4.97E-03	No
Hwy-301 Bridge Area	Bass	23-Jun-15	3.24E-03	4.73E-03	No
Hwy-301 Bridge Area	Bass	23-Jun-15	4.14E-04	4.86E-03	No
Hwy-301 Bridge Area	Bream	23-Jun-15	3.43E-03	6.03E-03	No
Hwy-301 Bridge Area	Bream	23-Jun-15	1.59E-03	6.03E-03	No
Hwy-301 Bridge Area	Bream	23-Jun-15	6.49E-03	6.65E-03	No
Hwy-301 Bridge Area	Catfish	23-Jun-15	-1.86E-03	5.22E-03	No
Hwy-301 Bridge Area	Catfish	23-Jun-15	1.98E-03	5.00E-03	No
Hwy-301 Bridge Area	Catfish	23-Jun-15	3.14E-03	4.86E-03	No

Table 37 Radionuclides in Freshwater Fish (continued)**Radionuclide: Co-60 (continued)**

Location	Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
L3R Creek River Mouth	Bass	28-Apr-15	5.19E-03	1.16E-02	No
L3R Creek River Mouth	Bass	13-May-15	-1.04E-04	1.20E-02	No
L3R Creek River Mouth	Bass	13-May-15	7.54E-03	1.06E-02	No
L3R Creek River Mouth	Bream	4-Mar-15	-7.65E-03	1.21E-02	No
L3R Creek River Mouth	Bream	4-Mar-15	3.49E-03	1.39E-02	No
L3R Creek River Mouth	Bream	13-May-15	1.20E-02	1.29E-02	No
L3R Creek River Mouth	Catfish	13-May-15	-2.84E-03	1.18E-02	No
L3R Creek River Mouth	Catfish	13-May-15	-1.04E-02	1.14E-02	No
L3R Creek River Mouth	Catfish	13-May-15	9.32E-03	9.95E-03	No
Steel Creek River Mouth	Bass	3-Jun-15	1.64E-02	1.14E-02	No
Steel Creek River Mouth	Bass	3-Jun-15	-1.25E-02	1.08E-02	No
Steel Creek River Mouth	Bass	3-Jun-15	2.92E-03	9.86E-03	No
Steel Creek River Mouth	Bream	3-Jun-15	-3.00E-03	1.36E-02	No
Steel Creek River Mouth	Bream	3-Jun-15	6.62E-03	1.26E-02	No
Steel Creek River Mouth	Bream	3-Jun-15	-2.78E-03	1.25E-02	No
Steel Creek River Mouth	Catfish	3-Jun-15	-8.14E-03	1.19E-02	No
Steel Creek River Mouth	Catfish	3-Jun-15	6.46E-04	1.17E-02	No
Steel Creek River Mouth	Catfish	3-Jun-15	1.58E-02	1.21E-02	No
U3R Creek River Mouth	Bass	6-May-15	-1.58E-03	1.18E-02	No
U3R Creek River Mouth	Bass	6-May-15	-4.92E-05	1.11E-02	No
U3R Creek River Mouth	Bass	6-May-15	1.81E-02	1.23E-02	No
U3R Creek River Mouth	Bream	6-May-15	6.43E-04	1.36E-02	No
U3R Creek River Mouth	Bream	6-May-15	1.92E-03	1.37E-02	No
U3R Creek River Mouth	Bream	6-May-15	-4.14E-03	1.19E-02	No
U3R Creek River Mouth	Catfish	22-Apr-15	1.32E-03	1.07E-02	No
U3R Creek River Mouth	Catfish	6-May-15	-8.14E-04	1.08E-02	No
U3R Creek River Mouth	Catfish	6-May-15	-9.92E-03	9.35E-03	No

Table 37 Radionuclides in Freshwater Fish (continued)

Radionuclide: Cs-137

Location	Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Augusta Lock and Dam	Bass	29-Jul-15	1.88E-02	1.11E-02	No
Augusta Lock and Dam	Bass	29-Jul-15	-3.78E-03	1.16E-02	No
Augusta Lock and Dam	Bass	29-Jul-15	-2.86E-03	1.08E-02	No
Augusta Lock and Dam	Bream	29-Jul-15	1.79E-02	1.41E-02	No
Augusta Lock and Dam	Bream	29-Jul-15	-2.45E-03	1.39E-02	No
Augusta Lock and Dam	Bream	29-Jul-15	2.76E-02	1.49E-02	No
Augusta Lock and Dam	Catfish	29-Jul-15	5.57E-03	1.20E-02	No
Augusta Lock and Dam	Catfish	29-Jul-15	3.62E-02	1.48E-02	No
Augusta Lock and Dam	Catfish	29-Jul-15	1.07E-02	1.19E-02	No
Four Mile Creek River Mouth	Bass	27-May-15	4.57E-02	1.69E-02	Yes
Four Mile Creek River Mouth	Bass	27-May-15	9.11E-02	2.42E-02	Yes
Four Mile Creek River Mouth	Bass	27-May-15	5.30E-02	2.08E-02	No
Four Mile Creek River Mouth	Bream	27-May-15	1.23E-01	2.23E-02	Yes
Four Mile Creek River Mouth	Bream	27-May-15	5.41E-02	2.21E-02	No
Four Mile Creek River Mouth	Bream	27-May-15	4.89E-02	1.71E-02	No
Four Mile Creek River Mouth	Catfish	18-May-15	3.22E-02	1.25E-02	No
Four Mile Creek River Mouth	Catfish	18-May-15	4.65E-03	1.09E-02	No
Four Mile Creek River Mouth	Catfish	18-May-15	1.71E-02	1.17E-02	No
Hwy-301 Bridge Area	Bass	23-Jun-15	1.95E-02	7.14E-03	Yes
Hwy-301 Bridge Area	Bass	23-Jun-15	2.65E-02	6.68E-03	Yes
Hwy-301 Bridge Area	Bass	23-Jun-15	2.95E-02	8.30E-03	Yes
Hwy-301 Bridge Area	Bream	23-Jun-15	3.57E-02	1.20E-02	Yes
Hwy-301 Bridge Area	Bream	23-Jun-15	2.09E-02	7.30E-03	No
Hwy-301 Bridge Area	Bream	23-Jun-15	2.21E-02	9.24E-03	No
Hwy-301 Bridge Area	Catfish	23-Jun-15	3.89E-02	8.68E-03	Yes
Hwy-301 Bridge Area	Catfish	23-Jun-15	1.57E-02	7.16E-03	No
Hwy-301 Bridge Area	Catfish	23-Jun-15	2.78E-02	7.76E-03	Yes

Table 37 Radionuclides in Freshwater Fish (continued)**Radionuclide: Cs-137 (continued)**

Location	Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
L3R Creek River Mouth	Bass	28-Apr-15	3.11E-01	3.08E-02	Yes
L3R Creek River Mouth	Bass	13-May-15	8.05E-02	2.04E-02	Yes
L3R Creek River Mouth	Bass	13-May-15	6.95E-02	1.91E-02	Yes
L3R Creek River Mouth	Bream	4-Mar-15	2.68E-02	1.42E-02	No
L3R Creek River Mouth	Bream	4-Mar-15	1.59E-02	1.38E-02	No
L3R Creek River Mouth	Bream	13-May-15	5.46E-02	2.12E-02	No
L3R Creek River Mouth	Catfish	13-May-15	3.62E-02	2.23E-02	No
L3R Creek River Mouth	Catfish	13-May-15	6.86E-02	2.24E-02	Yes
L3R Creek River Mouth	Catfish	13-May-15	2.63E-02	1.22E-02	No
Steel Creek River Mouth	Bass	3-Jun-15	1.44E-01	2.12E-02	Yes
Steel Creek River Mouth	Bass	3-Jun-15	1.79E-01	2.66E-02	Yes
Steel Creek River Mouth	Bass	3-Jun-15	1.38E-01	2.56E-02	Yes
Steel Creek River Mouth	Bream	3-Jun-15	5.84E-02	1.63E-02	No
Steel Creek River Mouth	Bream	3-Jun-15	1.90E-02	1.45E-02	No
Steel Creek River Mouth	Bream	3-Jun-15	3.05E-02	1.94E-02	No
Steel Creek River Mouth	Catfish	3-Jun-15	8.59E-02	3.00E-02	Yes
Steel Creek River Mouth	Catfish	3-Jun-15	3.08E-02	1.24E-02	No
Steel Creek River Mouth	Catfish	3-Jun-15	1.02E-01	1.81E-02	Yes
U3R Creek River Mouth	Bass	6-May-15	2.40E-02	1.25E-02	No
U3R Creek River Mouth	Bass	6-May-15	3.84E-02	1.36E-02	No
U3R Creek River Mouth	Bass	6-May-15	4.89E-02	1.44E-02	No
U3R Creek River Mouth	Bream	6-May-15	1.28E-02	1.46E-02	No
U3R Creek River Mouth	Bream	6-May-15	1.39E-02	1.43E-02	No
U3R Creek River Mouth	Bream	6-May-15	1.67E-02	1.46E-02	No
U3R Creek River Mouth	Catfish	22-Apr-15	1.51E-02	1.21E-02	No
U3R Creek River Mouth	Catfish	6-May-15	4.62E-03	1.21E-02	No
U3R Creek River Mouth	Catfish	6-May-15	3.73E-02	1.43E-02	No

Table 37 Radionuclides in Freshwater Fish (continued)

Radionuclide: Sr-89/90 (flesh)

Location	Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Augusta Lock and Dam	Bass	29-Jul-15	1.14E-03	1.14E-03	No
Augusta Lock and Dam	Bass	29-Jul-15	3.49E-03	1.35E-03	No
Augusta Lock and Dam	Bass	29-Jul-15	2.04E-03	1.11E-03	No
Augusta Lock and Dam	Bream	29-Jul-15	3.43E-03	2.15E-03	No
Augusta Lock and Dam	Bream	29-Jul-15	5.27E-03	2.24E-03	No
Augusta Lock and Dam	Bream	29-Jul-15	6.00E-03	2.42E-03	No
Augusta Lock and Dam	Catfish	29-Jul-15	4.92E-04	9.59E-04	No
Augusta Lock and Dam	Catfish	29-Jul-15	9.92E-04	1.00E-03	No
Augusta Lock and Dam	Catfish	29-Jul-15	2.11E-03	1.01E-03	No
Four Mile Creek River Mouth	Bass	27-May-15	1.58E-03	9.57E-04	No
Four Mile Creek River Mouth	Bass	27-May-15	1.45E-03	7.59E-04	No
Four Mile Creek River Mouth	Bass	27-May-15	4.41E-03	1.13E-03	Yes
Four Mile Creek River Mouth	Bream	27-May-15	3.19E-03	1.48E-03	No
Four Mile Creek River Mouth	Bream	27-May-15	4.68E-03	1.61E-03	Yes
Four Mile Creek River Mouth	Bream	27-May-15	1.66E-03	1.39E-03	No
Four Mile Creek River Mouth	Catfish	18-May-15	2.42E-03	9.41E-04	No
Four Mile Creek River Mouth	Catfish	18-May-15	2.51E-03	1.01E-03	No
Four Mile Creek River Mouth	Catfish	18-May-15	1.73E-03	8.59E-04	No
Hwy-301 Bridge Area	Bass	23-Jun-15	1.50E-03	8.84E-04	No
Hwy-301 Bridge Area	Bass	23-Jun-15	1.56E-03	9.16E-04	No
Hwy-301 Bridge Area	Bass	23-Jun-15	9.03E-04	8.14E-04	No
Hwy-301 Bridge Area	Bream	23-Jun-15	2.36E-03	1.62E-03	No
Hwy-301 Bridge Area	Bream	23-Jun-15	5.73E-03	1.86E-03	Yes
Hwy-301 Bridge Area	Bream	23-Jun-15	3.51E-03	1.70E-03	No
Hwy-301 Bridge Area	Catfish	23-Jun-15	1.56E-03	9.11E-04	No
Hwy-301 Bridge Area	Catfish	23-Jun-15	9.30E-04	8.41E-04	No
Hwy-301 Bridge Area	Catfish	23-Jun-15	1.47E-03	8.59E-04	No

Table 37 Radionuclides in Freshwater Fish (continued)

Radionuclide: Sr-89/90 (flesh) (continued)

Location	Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
L3R Creek River Mouth	Bass	28-Apr-15	3.19E-03	1.02E-03	Yes
L3R Creek River Mouth	Bass	13-May-15	1.60E-03	8.30E-04	No
L3R Creek River Mouth	Bass	13-May-15	1.52E-03	7.84E-04	No
L3R Creek River Mouth	Bream	4-Mar-15	1.21E-04	1.28E-03	No
L3R Creek River Mouth	Bream	4-Mar-15	4.08E-03	1.61E-03	No
L3R Creek River Mouth	Bream	13-May-15	7.24E-03	1.86E-03	Yes
L3R Creek River Mouth	Catfish	13-May-15	2.84E-03	9.38E-04	Yes
L3R Creek River Mouth	Catfish	13-May-15	1.17E-03	8.46E-04	No
L3R Creek River Mouth	Catfish	13-May-15	9.24E-04	7.35E-04	No
Steel Creek River Mouth	Bass	3-Jun-15	1.59E-03	1.12E-03	No
Steel Creek River Mouth	Bass	3-Jun-15	2.56E-04	1.04E-03	No
Steel Creek River Mouth	Bass	3-Jun-15	1.96E-03	1.15E-03	No
Steel Creek River Mouth	Bream	3-Jun-15	3.76E-03	2.08E-03	No
Steel Creek River Mouth	Bream	3-Jun-15	6.89E-03	2.42E-03	Yes
Steel Creek River Mouth	Bream	3-Jun-15	6.41E-03	2.34E-03	Yes
Steel Creek River Mouth	Catfish	3-Jun-15	1.50E-03	1.14E-03	No
Steel Creek River Mouth	Catfish	3-Jun-15	1.13E-03	1.29E-03	No
Steel Creek River Mouth	Catfish	3-Jun-15	9.14E-04	9.22E-04	No
U3R Creek River Mouth	Bass	6-May-15	1.00E-03	9.54E-04	No
U3R Creek River Mouth	Bass	6-May-15	3.54E-03	1.09E-03	Yes
U3R Creek River Mouth	Bass	6-May-15	3.62E-03	1.28E-03	Yes
U3R Creek River Mouth	Bream	6-May-15	4.54E-03	1.90E-03	No
U3R Creek River Mouth	Bream	6-May-15	2.50E-03	1.79E-03	No
U3R Creek River Mouth	Bream	6-May-15	1.67E-03	1.83E-03	No
U3R Creek River Mouth	Catfish	22-Apr-15	7.81E-04	9.38E-04	No
U3R Creek River Mouth	Catfish	6-May-15	4.54E-03	1.16E-03	Yes
U3R Creek River Mouth	Catfish	6-May-15	4.14E-04	8.81E-04	No

Table 37 Radionuclides in Freshwater Fish (continued)

Radionuclide: Sr-89/90 nonedible (bone)

Location	Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Augusta Lock and Dam	Bass	29-Jul-15	8.92E-01	1.58E-01	Yes
Augusta Lock and Dam	Bass	29-Jul-15	8.95E-01	1.53E-01	Yes
Augusta Lock and Dam	Bass	29-Jul-15	1.07E+00	1.62E-01	Yes
Augusta Lock and Dam	Bream	29-Jul-15	9.84E-01	1.60E-01	Yes
Augusta Lock and Dam	Bream	29-Jul-15	8.97E-01	1.63E-01	Yes
Augusta Lock and Dam	Bream	29-Jul-15	5.97E-01	1.38E-01	Yes
Augusta Lock and Dam	Catfish	29-Jul-15	9.16E-01	1.61E-01	Yes
Augusta Lock and Dam	Catfish	29-Jul-15	1.13E+00	1.66E-01	Yes
Augusta Lock and Dam	Catfish	29-Jul-15	9.95E-01	1.59E-01	Yes
Four Mile Creek River Mouth	Bass	27-May-15	6.70E-01	1.34E-01	Yes
Four Mile Creek River Mouth	Bass	27-May-15	9.38E-01	1.93E-01	Yes
Four Mile Creek River Mouth	Bass	27-May-15	4.86E-01	2.00E-01	No
Four Mile Creek River Mouth	Bream	27-May-15	1.88E+00	2.11E-01	Yes
Four Mile Creek River Mouth	Bream	27-May-15	1.17E+00	1.66E-01	Yes
Four Mile Creek River Mouth	Bream	27-May-15	1.07E+00	1.51E-01	Yes
Four Mile Creek River Mouth	Catfish	18-May-15	7.49E-01	1.48E-01	Yes
Four Mile Creek River Mouth	Catfish	18-May-15	6.03E-01	1.49E-01	Yes
Four Mile Creek River Mouth	Catfish	18-May-15	6.65E-01	1.55E-01	Yes
Hwy-301 Bridge Area	Bass	23-Jun-15	6.57E-01	1.41E-01	Yes
Hwy-301 Bridge Area	Bass	23-Jun-15	7.08E-01	1.42E-01	Yes
Hwy-301 Bridge Area	Bass	23-Jun-15	4.51E-01	1.27E-01	Yes
Hwy-301 Bridge Area	Bream	23-Jun-15	8.81E-01	1.57E-01	Yes
Hwy-301 Bridge Area	Bream	23-Jun-15	8.81E-01	1.47E-01	Yes
Hwy-301 Bridge Area	Bream	23-Jun-15	1.06E+00	1.60E-01	Yes
Hwy-301 Bridge Area	Catfish	23-Jun-15	1.25E+00	1.77E-01	Yes
Hwy-301 Bridge Area	Catfish	23-Jun-15	8.65E-01	1.49E-01	Yes
Hwy-301 Bridge Area	Catfish	23-Jun-15	6.59E-01	1.35E-01	Yes

Table 37 Radionuclides in Freshwater Fish (continued)**Radionuclide: Sr-89/90 nonedible (bone) (continued)**

Location	Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
L3R Creek River Mouth	Bass	28-Apr-15	5.97E-01	1.41E-01	Yes
L3R Creek River Mouth	Bass	13-May-15	7.95E-01	1.57E-01	Yes
L3R Creek River Mouth	Bass	13-May-15	8.70E-01	1.64E-01	Yes
L3R Creek River Mouth	Bream	4-Mar-15	9.22E-01	1.69E-01	Yes
L3R Creek River Mouth	Bream	13-May-15	1.21E+00	1.81E-01	Yes
L3R Creek River Mouth	Bream	13-May-15	9.08E-01	1.59E-01	Yes
L3R Creek River Mouth	Catfish	13-May-15	9.05E-01	1.62E-01	Yes
L3R Creek River Mouth	Catfish	13-May-15	9.73E-01	1.60E-01	Yes
L3R Creek River Mouth	Catfish	13-May-15	1.59E+00	2.10E-01	Yes
Steel Creek River Mouth	Bass	3-Jun-15	8.19E-01	1.37E-01	Yes
Steel Creek River Mouth	Bass	3-Jun-15	8.38E-01	1.49E-01	Yes
Steel Creek River Mouth	Bass	3-Jun-15	5.73E-01	1.24E-01	Yes
Steel Creek River Mouth	Bream	3-Jun-15	6.65E-01	1.33E-01	Yes
Steel Creek River Mouth	Bream	3-Jun-15	8.86E-01	1.48E-01	Yes
Steel Creek River Mouth	Bream	3-Jun-15	8.03E-01	1.37E-01	Yes
Steel Creek River Mouth	Catfish	3-Jun-15	5.38E-01	1.17E-01	Yes
Steel Creek River Mouth	Catfish	3-Jun-15	6.68E-01	1.29E-01	Yes
Steel Creek River Mouth	Catfish	3-Jun-15	8.49E-01	1.38E-01	Yes
U3R Creek River Mouth	Bass	6-May-15	8.05E-01	1.46E-01	Yes
U3R Creek River Mouth	Bass	6-May-15	8.68E-01	1.41E-01	Yes
U3R Creek River Mouth	Bass	6-May-15	8.30E-01	1.40E-01	Yes
U3R Creek River Mouth	Bream	6-May-15	1.11E+00	1.55E-01	Yes
U3R Creek River Mouth	Bream	6-May-15	8.14E-01	1.38E-01	Yes
U3R Creek River Mouth	Bream	6-May-15	1.00E+00	1.46E-01	Yes
U3R Creek River Mouth	Catfish	22-Apr-15	8.70E-01	1.37E-01	Yes
U3R Creek River Mouth	Catfish	6-May-15	7.89E-01	1.35E-01	Yes
U3R Creek River Mouth	Catfish	6-May-15	5.76E-01	1.17E-01	Yes

Table 37 Radionuclides in Freshwater Fish (continued)

Radionuclide: I-129

Location	Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Augusta Lock and Dam	Bass	29-Jul-15	-1.42E-02	7.59E-03	No
Augusta Lock and Dam	Bass	29-Jul-15	-1.36E-02	9.14E-03	No
Augusta Lock and Dam	Bass	29-Jul-15	1.39E-02	8.41E-03	No
Augusta Lock and Dam	Bream	29-Jul-15	2.44E-02	1.36E-02	No
Augusta Lock and Dam	Bream	29-Jul-15	-1.61E-03	1.14E-02	No
Augusta Lock and Dam	Bream	29-Jul-15	2.18E-02	2.34E-02	No
Augusta Lock and Dam	Catfish	29-Jul-15	-1.04E-02	7.73E-03	No
Augusta Lock and Dam	Catfish	29-Jul-15	1.57E-03	8.54E-03	No
Augusta Lock and Dam	Catfish	29-Jul-15	9.11E-03	7.76E-03	No
Four Mile Creek River Mouth	Bass	27-May-15	1.12E-02	7.43E-03	No
Four Mile Creek River Mouth	Bass	27-May-15	1.00E-02	7.81E-03	No
Four Mile Creek River Mouth	Bass	27-May-15	-1.45E-02	9.54E-03	No
Four Mile Creek River Mouth	Bream	27-May-15	1.26E-02	9.41E-03	No
Four Mile Creek River Mouth	Bream	27-May-15	4.68E-03	8.97E-03	No
Four Mile Creek River Mouth	Bream	27-May-15	6.84E-04	9.03E-03	No
Four Mile Creek River Mouth	Catfish	18-May-15	1.56E-02	8.84E-03	No
Four Mile Creek River Mouth	Catfish	18-May-15	-6.86E-03	7.62E-03	No
Four Mile Creek River Mouth	Catfish	18-May-15	-3.65E-03	7.81E-03	No
Hwy-301 Bridge Area	Bass	23-Jun-15	-2.95E-03	7.84E-03	No
Hwy-301 Bridge Area	Bass	23-Jun-15	2.89E-02	1.79E-02	No
Hwy-301 Bridge Area	Bass	23-Jun-15	-1.01E-02	7.59E-03	No
Hwy-301 Bridge Area	Bream	23-Jun-15	1.80E-02	9.97E-03	No
Hwy-301 Bridge Area	Bream	23-Jun-15	-2.55E-02	9.49E-03	No
Hwy-301 Bridge Area	Bream	23-Jun-15	-2.70E-03	9.22E-03	No
Hwy-301 Bridge Area	Catfish	23-Jun-15	-1.53E-03	7.70E-03	No
Hwy-301 Bridge Area	Catfish	23-Jun-15	8.05E-03	4.86E-03	No
Hwy-301 Bridge Area	Catfish	23-Jun-15	1.65E-03	7.73E-03	No

Table 37 Radionuclides in Freshwater Fish (continued)

Radionuclide: I-129 (continued)

Location	Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
L3R Creek River Mouth	Bass	28-Apr-15	-1.02E-02	9.68E-03	No
L3R Creek River Mouth	Bass	13-May-15	3.81E-02	1.39E-02	Yes
L3R Creek River Mouth	Bass	13-May-15	-4.59E-03	8.11E-03	No
L3R Creek River Mouth	Bream	4-Mar-15	-9.38E-03	9.92E-03	No
L3R Creek River Mouth	Bream	4-Mar-15	1.27E-03	9.27E-03	No
L3R Creek River Mouth	Bream	13-May-15	-5.30E-03	1.13E-02	No
L3R Creek River Mouth	Catfish	13-May-15	-3.27E-06	8.92E-03	No
L3R Creek River Mouth	Catfish	13-May-15	7.27E-03	7.81E-03	No
L3R Creek River Mouth	Catfish	13-May-15	-1.23E-02	7.81E-03	No
Steel Creek River Mouth	Bass	3-Jun-15	-1.23E-02	8.08E-03	No
Steel Creek River Mouth	Bass	3-Jun-15	2.12E-02	8.95E-03	No
Steel Creek River Mouth	Bass	3-Jun-15	-7.78E-03	8.14E-03	No
Steel Creek River Mouth	Bream	3-Jun-15	3.54E-03	9.49E-03	No
Steel Creek River Mouth	Bream	3-Jun-15	-3.16E-03	1.08E-02	No
Steel Creek River Mouth	Bream	3-Jun-15	1.57E-02	1.02E-02	No
Steel Creek River Mouth	Catfish	3-Jun-15	3.54E-03	7.65E-03	No
Steel Creek River Mouth	Catfish	3-Jun-15	5.81E-03	7.70E-03	No
Steel Creek River Mouth	Catfish	3-Jun-15	4.38E-02	1.47E-02	Yes
U3R Creek River Mouth	Bass	6-May-15	2.19E-04	7.35E-03	No
U3R Creek River Mouth	Bass	6-May-15	2.62E-02	1.42E-02	No
U3R Creek River Mouth	Bass	6-May-15	-1.69E-02	7.59E-03	No
U3R Creek River Mouth	Bream	6-May-15	-3.89E-03	1.10E-02	No
U3R Creek River Mouth	Bream	6-May-15	-5.19E-03	9.27E-03	No
U3R Creek River Mouth	Bream	6-May-15	-3.59E-03	9.49E-03	No
U3R Creek River Mouth	Catfish	22-Apr-15	4.19E-02	1.64E-02	No
U3R Creek River Mouth	Catfish	6-May-15	1.21E-02	7.92E-03	No
U3R Creek River Mouth	Catfish	6-May-15	-5.68E-04	7.78E-03	No

Table 37 Radionuclides in Freshwater Fish (continued)

Radionuclide: Tc-99

Location	Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Augusta Lock and Dam	Bass	29-Jul-15	2.76E-02	3.16E-02	No
Augusta Lock and Dam	Bass	29-Jul-15	3.30E-02	3.16E-02	No
Augusta Lock and Dam	Bass	29-Jul-15	1.55E-02	3.14E-02	No
Augusta Lock and Dam	Bream	29-Jul-15	7.16E-03	3.14E-02	No
Augusta Lock and Dam	Bream	29-Jul-15	2.31E-02	3.14E-02	No
Augusta Lock and Dam	Bream	29-Jul-15	1.54E-02	3.14E-02	No
Augusta Lock and Dam	Catfish	29-Jul-15	4.32E-02	3.19E-02	No
Augusta Lock and Dam	Catfish	29-Jul-15	2.86E-02	3.14E-02	No
Augusta Lock and Dam	Catfish	29-Jul-15	-3.86E-03	3.11E-02	No
Four Mile Creek River Mouth	Bass	27-May-15	3.54E-02	3.19E-02	No
Four Mile Creek River Mouth	Bass	27-May-15	-5.73E-04	3.14E-02	No
Four Mile Creek River Mouth	Bass	27-May-15	5.68E-02	3.22E-02	No
Four Mile Creek River Mouth	Bream	27-May-15	-1.72E-02	3.11E-02	No
Four Mile Creek River Mouth	Bream	27-May-15	1.09E-02	3.14E-02	No
Four Mile Creek River Mouth	Bream	27-May-15	-1.49E-02	3.11E-02	No
Four Mile Creek River Mouth	Catfish	18-May-15	5.27E-02	3.22E-02	No
Four Mile Creek River Mouth	Catfish	18-May-15	1.43E-02	3.16E-02	No
Four Mile Creek River Mouth	Catfish	18-May-15	2.12E-02	3.16E-02	No
Hwy-301 Bridge Area	Bass	23-Jun-15	6.65E-02	3.05E-02	No
Hwy-301 Bridge Area	Bass	23-Jun-15	5.24E-02	2.95E-02	No
Hwy-301 Bridge Area	Bass	23-Jun-15	4.70E-02	2.95E-02	No
Hwy-301 Bridge Area	Bream	23-Jun-15	5.92E-02	2.95E-02	No
Hwy-301 Bridge Area	Bream	23-Jun-15	6.95E-03	2.95E-02	No
Hwy-301 Bridge Area	Bream	23-Jun-15	6.51E-02	3.30E-02	No
Hwy-301 Bridge Area	Catfish	23-Jun-15	2.68E-02	2.97E-02	No
Hwy-301 Bridge Area	Catfish	23-Jun-15	4.81E-02	3.08E-02	No
Hwy-301 Bridge Area	Catfish	23-Jun-15	3.22E-02	2.97E-02	No

Table 37 Radionuclides in Freshwater Fish (continued)

Radionuclide: Tc-99 (continued)

Location	Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
L3R Creek River Mouth	Bass	28-Apr-15	9.76E-02	2.52E-02	Yes
L3R Creek River Mouth	Bass	13-May-15	3.43E-02	2.42E-02	No
L3R Creek River Mouth	Bass	13-May-15	4.76E-02	2.44E-02	No
L3R Creek River Mouth	Bream	4-Mar-15	6.46E-02	2.44E-02	No
L3R Creek River Mouth	Bream	4-Mar-15	5.35E-02	2.44E-02	No
L3R Creek River Mouth	Bream	13-May-15	8.27E-02	2.50E-02	Yes
L3R Creek River Mouth	Catfish	13-May-15	6.51E-02	2.49E-02	No
L3R Creek River Mouth	Catfish	13-May-15	7.05E-02	2.45E-02	Yes
L3R Creek River Mouth	Catfish	13-May-15	7.11E-02	2.47E-02	Yes
Steel Creek River Mouth	Bass	3-Jun-15	3.95E-02	2.62E-02	No
Steel Creek River Mouth	Bass	3-Jun-15	1.14E-02	2.57E-02	No
Steel Creek River Mouth	Bass	3-Jun-15	-6.86E-03	2.55E-02	No
Steel Creek River Mouth	Bream	3-Jun-15	2.05E-02	2.59E-02	No
Steel Creek River Mouth	Bream	3-Jun-15	1.96E-02	2.59E-02	No
Steel Creek River Mouth	Bream	3-Jun-15	4.24E-02	2.62E-02	No
Steel Creek River Mouth	Catfish	3-Jun-15	2.51E-02	2.59E-02	No
Steel Creek River Mouth	Catfish	3-Jun-15	6.22E-02	2.65E-02	No
Steel Creek River Mouth	Catfish	3-Jun-15	2.28E-03	2.56E-02	No
U3R Creek River Mouth	Bass	6-May-15	4.46E-02	2.44E-02	No
U3R Creek River Mouth	Bass	6-May-15	5.51E-02	2.44E-02	No
U3R Creek River Mouth	Bass	6-May-15	1.01E-01	2.51E-02	Yes
U3R Creek River Mouth	Bream	6-May-15	4.05E-02	2.42E-02	No
U3R Creek River Mouth	Bream	6-May-15	4.59E-02	2.43E-02	No
U3R Creek River Mouth	Bream	6-May-15	3.84E-02	2.43E-02	No
U3R Creek River Mouth	Catfish	22-Apr-15	7.81E-02	2.48E-02	Yes
U3R Creek River Mouth	Catfish	6-May-15	8.84E-02	2.51E-02	Yes
U3R Creek River Mouth	Catfish	6-May-15	7.89E-02	2.48E-02	Yes

Table 37 Radionuclides in Freshwater Fish (continued)

Radionuclide: Gross Beta

Location	Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Augusta Lock and Dam	Bass	29-Jul-15	2.27E+00	2.04E-01	Yes
Augusta Lock and Dam	Bass	29-Jul-15	2.20E+00	2.00E-01	Yes
Augusta Lock and Dam	Bass	29-Jul-15	1.64E+00	1.76E-01	Yes
Augusta Lock and Dam	Bream	29-Jul-15	1.87E+00	1.87E-01	Yes
Augusta Lock and Dam	Bream	29-Jul-15	2.13E+00	1.99E-01	Yes
Augusta Lock and Dam	Bream	29-Jul-15	2.18E+00	2.00E-01	Yes
Augusta Lock and Dam	Catfish	29-Jul-15	2.09E+00	1.96E-01	Yes
Augusta Lock and Dam	Catfish	29-Jul-15	2.76E+00	2.22E-01	Yes
Augusta Lock and Dam	Catfish	29-Jul-15	2.49E+00	2.12E-01	Yes
Four Mile Creek River Mouth	Bass	27-May-15	2.29E+00	2.07E-01	Yes
Four Mile Creek River Mouth	Bass	27-May-15	1.94E+00	1.93E-01	Yes
Four Mile Creek River Mouth	Bass	27-May-15	2.09E+00	1.99E-01	Yes
Four Mile Creek River Mouth	Bream	27-May-15	1.88E+00	1.90E-01	Yes
Four Mile Creek River Mouth	Bream	27-May-15	2.06E+00	2.00E-01	Yes
Four Mile Creek River Mouth	Bream	27-May-15	2.60E+00	2.20E-01	Yes
Four Mile Creek River Mouth	Catfish	18-May-15	2.33E+00	2.09E-01	Yes
Four Mile Creek River Mouth	Catfish	18-May-15	2.43E+00	2.12E-01	Yes
Four Mile Creek River Mouth	Catfish	18-May-15	2.25E+00	2.06E-01	Yes
Hwy-301 Bridge Area	Bass	23-Jun-15	2.53E+00	2.14E-01	Yes
Hwy-301 Bridge Area	Bass	23-Jun-15	3.27E+00	2.41E-01	Yes
Hwy-301 Bridge Area	Bass	23-Jun-15	2.89E+00	2.27E-01	Yes
Hwy-301 Bridge Area	Bream	23-Jun-15	1.79E+00	1.84E-01	Yes
Hwy-301 Bridge Area	Bream	23-Jun-15	1.56E+00	1.73E-01	Yes
Hwy-301 Bridge Area	Bream	23-Jun-15	1.81E+00	1.84E-01	Yes
Hwy-301 Bridge Area	Catfish	23-Jun-15	2.34E+00	2.06E-01	Yes
Hwy-301 Bridge Area	Catfish	23-Jun-15	2.53E+00	2.13E-01	Yes
Hwy-301 Bridge Area	Catfish	23-Jun-15	2.12E+00	1.97E-01	Yes

Table 37 Radionuclides in Freshwater Fish (continued)

Radionuclide: Gross Beta (continued)

Location	Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
L3R Creek River Mouth	Bass	28-Apr-15	3.57E+00	2.51E-01	Yes
L3R Creek River Mouth	Bass	13-May-15	2.89E+00	2.28E-01	Yes
L3R Creek River Mouth	Bass	13-May-15	2.57E+00	2.16E-01	Yes
L3R Creek River Mouth	Bream	4-Mar-15	2.69E+00	2.20E-01	Yes
L3R Creek River Mouth	Bream	4-Mar-15	2.84E+00	2.26E-01	Yes
L3R Creek River Mouth	Bream	13-May-15	2.51E+00	2.14E-01	Yes
L3R Creek River Mouth	Catfish	13-May-15	2.73E+00	2.22E-01	Yes
L3R Creek River Mouth	Catfish	13-May-15	3.00E+00	2.31E-01	Yes
L3R Creek River Mouth	Catfish	13-May-15	3.46E+00	2.49E-01	Yes
Steel Creek River Mouth	Bass	3-Jun-15	2.78E+00	2.24E-01	Yes
Steel Creek River Mouth	Bass	3-Jun-15	2.59E+00	2.16E-01	Yes
Steel Creek River Mouth	Bass	3-Jun-15	2.41E+00	2.09E-01	Yes
Steel Creek River Mouth	Bream	3-Jun-15	1.78E+00	1.85E-01	Yes
Steel Creek River Mouth	Bream	3-Jun-15	2.10E+00	1.97E-01	Yes
Steel Creek River Mouth	Bream	3-Jun-15	1.94E+00	1.91E-01	Yes
Steel Creek River Mouth	Catfish	3-Jun-15	2.35E+00	2.07E-01	Yes
Steel Creek River Mouth	Catfish	3-Jun-15	2.78E+00	2.23E-01	Yes
Steel Creek River Mouth	Catfish	3-Jun-15	2.95E+00	2.29E-01	Yes
U3R Creek River Mouth	Bass	6-May-15	2.28E+00	2.05E-01	Yes
U3R Creek River Mouth	Bass	6-May-15	2.30E+00	2.06E-01	Yes
U3R Creek River Mouth	Bass	6-May-15	1.99E+00	1.93E-01	Yes
U3R Creek River Mouth	Bream	6-May-15	1.65E+00	1.78E-01	Yes
U3R Creek River Mouth	Bream	6-May-15	1.86E+00	1.87E-01	Yes
U3R Creek River Mouth	Bream	6-May-15	1.94E+00	1.91E-01	Yes
U3R Creek River Mouth	Catfish	22-Apr-15	2.67E+00	2.20E-01	Yes
U3R Creek River Mouth	Catfish	6-May-15	2.51E+00	2.14E-01	Yes
U3R Creek River Mouth	Catfish	6-May-15	2.69E+00	2.21E-01	Yes

Table 37 Radionuclides in Freshwater Fish (continued)

Radionuclide: Gross Alpha

Location	Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Augusta Lock and Dam	Bass	29-Jul-15	-2.70E-02	1.13E-02	No
Augusta Lock and Dam	Bass	29-Jul-15	6.57E-03	3.46E-02	No
Augusta Lock and Dam	Bass	29-Jul-15	-2.56E-02	1.08E-02	No
Augusta Lock and Dam	Bream	29-Jul-15	1.37E-01	7.35E-02	No
Augusta Lock and Dam	Bream	29-Jul-15	4.62E-02	5.57E-02	No
Augusta Lock and Dam	Bream	29-Jul-15	3.97E-02	4.81E-02	No
Augusta Lock and Dam	Catfish	29-Jul-15	6.81E-03	3.54E-02	No
Augusta Lock and Dam	Catfish	29-Jul-15	4.00E-02	4.89E-02	No
Augusta Lock and Dam	Catfish	29-Jul-15	3.97E-02	4.81E-02	No
Four Mile Creek River Mouth	Bass	27-May-15	-2.70E-02	9.11E-03	No
Four Mile Creek River Mouth	Bass	27-May-15	-2.62E-02	9.05E-03	No
Four Mile Creek River Mouth	Bass	27-May-15	-2.69E-02	9.22E-03	No
Four Mile Creek River Mouth	Bream	27-May-15	-2.63E-02	9.11E-03	No
Four Mile Creek River Mouth	Bream	27-May-15	1.11E-01	7.03E-02	No
Four Mile Creek River Mouth	Bream	27-May-15	3.81E-02	4.81E-02	No
Four Mile Creek River Mouth	Catfish	18-May-15	-2.76E-02	9.27E-03	No
Four Mile Creek River Mouth	Catfish	18-May-15	-2.76E-02	9.16E-03	No
Four Mile Creek River Mouth	Catfish	18-May-15	5.41E-03	3.51E-02	No
Hwy-301 Bridge Area	Bass	23-Jun-15	4.05E-02	4.92E-02	No
Hwy-301 Bridge Area	Bass	23-Jun-15	6.43E-03	3.76E-02	No
Hwy-301 Bridge Area	Bass	23-Jun-15	6.57E-03	3.70E-02	No
Hwy-301 Bridge Area	Bream	23-Jun-15	7.14E-03	3.59E-02	No
Hwy-301 Bridge Area	Bream	23-Jun-15	7.03E-03	3.49E-02	No
Hwy-301 Bridge Area	Bream	23-Jun-15	-2.64E-02	1.11E-02	No
Hwy-301 Bridge Area	Catfish	23-Jun-15	-2.69E-02	1.12E-02	No
Hwy-301 Bridge Area	Catfish	23-Jun-15	-2.69E-02	1.11E-02	No
Hwy-301 Bridge Area	Catfish	23-Jun-15	-2.65E-02	1.11E-02	No

Table 37 Radionuclides in Freshwater Fish (continued)

Radionuclide: Gross Alpha (continued)

Location	Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
L3R Creek River Mouth	Bass	28-Apr-15	6.73E-03	3.81E-02	No
L3R Creek River Mouth	Bass	13-May-15	-2.49E-02	1.89E-02	No
L3R Creek River Mouth	Bass	13-May-15	3.89E-02	4.86E-02	No
L3R Creek River Mouth	Bream	4-Mar-15	-2.48E-02	1.89E-02	No
L3R Creek River Mouth	Bream	4-Mar-15	-2.54E-02	1.92E-02	No
L3R Creek River Mouth	Bream	13-May-15	4.16E-02	5.19E-02	No
L3R Creek River Mouth	Catfish	13-May-15	-2.48E-02	1.89E-02	No
L3R Creek River Mouth	Catfish	13-May-15	-2.54E-02	1.92E-02	No
L3R Creek River Mouth	Catfish	13-May-15	-2.78E-02	2.07E-02	No
Steel Creek River Mouth	Bass	3-Jun-15	8.00E-04	3.70E-02	No
Steel Creek River Mouth	Bass	3-Jun-15	3.22E-02	4.78E-02	No
Steel Creek River Mouth	Bass	3-Jun-15	9.03E-04	3.65E-02	No
Steel Creek River Mouth	Bream	3-Jun-15	3.32E-02	4.86E-02	No
Steel Creek River Mouth	Bream	3-Jun-15	3.24E-02	4.78E-02	No
Steel Creek River Mouth	Bream	3-Jun-15	1.01E-03	3.51E-02	No
Steel Creek River Mouth	Catfish	3-Jun-15	-3.05E-02	1.75E-02	No
Steel Creek River Mouth	Catfish	3-Jun-15	7.65E-04	3.57E-02	No
Steel Creek River Mouth	Catfish	3-Jun-15	7.30E-04	3.62E-02	No
U3R Creek River Mouth	Bass	6-May-15	7.59E-03	3.76E-02	No
U3R Creek River Mouth	Bass	6-May-15	-2.48E-02	1.91E-02	No
U3R Creek River Mouth	Bass	6-May-15	4.00E-02	4.92E-02	No
U3R Creek River Mouth	Bream	6-May-15	1.05E-01	6.76E-02	No
U3R Creek River Mouth	Bream	6-May-15	3.95E-02	4.86E-02	No
U3R Creek River Mouth	Bream	6-May-15	-2.45E-02	1.91E-02	No
U3R Creek River Mouth	Catfish	22-Apr-15	7.24E-03	3.73E-02	No
U3R Creek River Mouth	Catfish	6-May-15	-2.49E-02	1.91E-02	No
U3R Creek River Mouth	Catfish	6-May-15	7.35E-03	3.78E-02	No

Table 38 Radionuclides in Saltwater Fish

SRS collects saltwater fish from the mouth of the Savannah River near Savannah, GA, between river miles 0 - 8. All samples are from fish flesh, unless noted. Strontium-89/90 is analyzed in both fish flesh and fish bones and are reported separately. Bone samples are identified as “nonedible”.

No sea trout were collected in 2015.

Radionuclide: H-3 (tritium)

Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Marine Mullet	11-Feb-15	6.22E-02	2.27E-02	Yes
Marine Mullet	11-Feb-15	8.08E-02	2.39E-02	Yes
Marine Mullet	11-Feb-15	4.78E-02	2.35E-02	No
Red Fish (drum)	11-Mar-15	8.54E-02	2.81E-02	Yes
Red Fish (drum)	11-Mar-15	7.76E-02	2.69E-02	Yes
Red Fish (drum)	11-Mar-15	7.78E-02	2.78E-02	Yes

Radionuclide: Co-60

Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Marine Mullet	11-Feb-15	-5.62E-04	1.04E-02	No
Marine Mullet	11-Feb-15	6.05E-03	1.20E-02	No
Marine Mullet	11-Feb-15	9.81E-03	1.17E-02	No
Red Fish (drum)	11-Mar-15	5.14E-03	1.07E-02	No
Red Fish (drum)	11-Mar-15	3.32E-03	1.21E-02	No
Red Fish (drum)	11-Mar-15	8.92E-03	1.10E-02	No

Radionuclide: Cs-137

Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Marine Mullet	11-Feb-15	1.14E-03	1.30E-02	No
Marine Mullet	11-Feb-15	-2.14E-04	1.06E-02	No
Marine Mullet	11-Feb-15	1.01E-02	1.10E-02	No
Red Fish (drum)	11-Mar-15	1.51E-02	1.19E-02	No
Red Fish (drum)	11-Mar-15	-2.59E-02	1.22E-02	No
Red Fish (drum)	11-Mar-15	-3.49E-03	1.08E-02	No

Radionuclide: Sr-89/90 (flesh)

Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Marine Mullet	11-Feb-15	1.99E-03	1.14E-03	No
Marine Mullet	11-Feb-15	7.46E-04	1.07E-03	No
Marine Mullet	11-Feb-15	1.74E-03	1.07E-03	No
Red Fish (drum)	11-Mar-15	2.97E-03	1.09E-03	No
Red Fish (drum)	11-Mar-15	1.99E-03	1.18E-03	No
Red Fish (drum)	11-Mar-15	9.70E-04	8.51E-04	No

Table 38 Radionuclides in Saltwater Fish (continued)**Radionuclide: Sr-89/90 nonedible (bone)**

Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Marine Mullet	11-Feb-15	2.56E-01	7.03E-02	Yes
Marine Mullet	11-Feb-15	2.15E-01	6.46E-02	Yes
Marine Mullet	11-Feb-15	1.61E-01	6.30E-02	No
Red Fish (drum)	11-Mar-15	4.97E-02	9.49E-02	No
Red Fish (drum)	11-Mar-15	4.38E-01	1.44E-01	Yes
Red Fish (drum)	11-Mar-15	2.54E-01	1.33E-01	No

Radionuclide: I-129

Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Marine Mullet	11-Feb-15	-3.27E-03	8.95E-03	No
Marine Mullet	11-Feb-15	7.46E-03	7.43E-03	No
Marine Mullet	11-Feb-15	2.69E-03	7.65E-03	No
Red Fish (drum)	11-Mar-15	1.61E+01	5.54E+02	No
Red Fish (drum)	11-Mar-15	-8.81E+01	3.03E+03	No
Red Fish (drum)	11-Mar-15	-1.08E+02	3.68E+03	No

Radionuclide: Tc-99

Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Marine Mullet	11-Feb-15	4.62E-02	2.12E-02	No
Marine Mullet	11-Feb-15	5.30E-02	2.14E-02	No
Marine Mullet	11-Feb-15	4.30E-02	2.12E-02	No
Red Fish (drum)	11-Mar-15	5.76E-03	2.15E-02	No
Red Fish (drum)	11-Mar-15	2.73E-02	2.17E-02	No
Red Fish (drum)	11-Mar-15	2.43E-02	2.19E-02	No

Radionuclide: Gross Beta

Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Marine Mullet	11-Feb-15	2.02E+00	1.94E-01	Yes
Marine Mullet	11-Feb-15	2.81E+00	2.24E-01	Yes
Marine Mullet	11-Feb-15	2.22E+00	2.02E-01	Yes
Red Fish (drum)	11-Mar-15	2.04E+00	1.95E-01	Yes
Red Fish (drum)	11-Mar-15	2.62E+00	2.17E-01	Yes
Red Fish (drum)	11-Mar-15	1.55E+00	1.73E-01	Yes

Table 38 Radionuclides in Saltwater Fish (continued)**Radionuclide: Gross Alpha**

Fish Type	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Marine Mullet	11-Feb-15	6.81E-02	5.70E-02	No
Marine Mullet	11-Feb-15	3.59E-02	4.78E-02	No
Marine Mullet	11-Feb-15	3.95E-02	5.19E-02	No
Red Fish (drum)	11-Mar-15	8.49E-03	3.38E-02	No
Red Fish (drum)	11-Mar-15	-2.32E-02	1.19E-02	No
Red Fish (drum)	11-Mar-15	8.54E-03	3.32E-02	No

Table 39 Radionuclides in Shellfish

SRS collects shellfish from the mouth of the Savannah River near Savannah, GA, between river miles 0 - 8.

Radionuclide	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Co-60	3-Dec-15	-5.43E-03	4.80E-03	No
Cs-137	3-Dec-15	9.49E-03	5.01E-03	No
Sr-89/90	3-Dec-15	1.82E-03	1.87E-03	No
I-129	3-Dec-15	-1.19E-03	7.68E-03	No
Tc-99	3-Dec-15	2.14E-07	3.12E-02	No
Gross B	3-Dec-15	1.24E+00	1.13E-01	Yes
Gross A	3-Dec-15	2.03E-01	6.51E-02	Yes

Table 40 Radionuclides in Wildlife – Deer Flesh

Radionuclide: Co-60

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Wildlife Compartment # 10	18-Nov-15	3.24E-03	1.70E-02	No
Wildlife Compartment # 10	18-Nov-15	-5.08E-03	1.96E-02	No
Wildlife Compartment # 10	18-Nov-15	-5.65E-03	2.50E-02	No
Wildlife Compartment # 12	21-Nov-15	-8.78E-03	1.87E-02	No
Wildlife Compartment # 13	21-Nov-15	1.88E-02	1.16E-02	No
Wildlife Compartment # 13	21-Nov-15	4.84E-04	2.77E-04	No
Wildlife Compartment # 13	21-Nov-15	-2.05E-02	1.90E-02	No
Wildlife Compartment # 13	21-Nov-15	-3.38E-02	1.85E-02	No
Wildlife Compartment # 18	14-Nov-15	1.63E-02	6.79E-03	No
Wildlife Compartment # 18	14-Nov-15	1.68E-03	7.08E-03	No
Wildlife Compartment # 18	14-Nov-15	2.84E-02	1.89E-02	No
Wildlife Compartment # 18	14-Nov-15	-1.06E-02	1.92E-02	No
Wildlife Compartment # 20	28-Nov-15	-1.59E-02	2.46E-02	No
Wildlife Compartment # 24	28-Nov-15	3.22E-02	1.92E-02	No
Wildlife Compartment # 29	4-Dec-15	-2.76E-02	2.21E-02	No
Wildlife Compartment # 29	4-Dec-15	1.64E-02	1.83E-02	No
Wildlife Compartment # 29	4-Dec-15	-1.45E-02	2.00E-02	No
Wildlife Compartment # 3	25-Nov-15	1.47E-02	2.28E-02	No
Wildlife Compartment # 3	25-Nov-15	1.18E-03	1.47E-02	No
Wildlife Compartment # 3	25-Nov-15	-3.14E-02	1.87E-02	No
Wildlife Compartment # 3	25-Nov-15	2.84E-02	2.00E-02	No
Wildlife Compartment # 3	25-Nov-15	-2.51E-02	2.15E-02	No
Wildlife Compartment # 3	25-Nov-15	-1.17E-02	2.19E-02	No
Wildlife Compartment # 30	7-Nov-15	9.11E-04	6.82E-03	No
Wildlife Compartment # 30	7-Nov-15	-6.95E-03	3.77E-03	No
Wildlife Compartment # 32	7-Nov-15	4.24E-03	5.32E-03	No
Wildlife Compartment # 36	11-Nov-15	4.97E-03	6.56E-03	No
Wildlife Compartment # 36	11-Nov-15	5.24E-03	6.42E-03	No
Wildlife Compartment # 36	11-Nov-15	-1.06E-02	6.90E-03	No
Wildlife Compartment # 4	25-Nov-15	-4.11E-02	1.98E-02	No
Wildlife Compartment # 4	25-Nov-15	2.62E-03	2.13E-02	No
Wildlife Compartment # 40	2-Dec-15	2.52E-02	1.97E-02	No
Wildlife Compartment # 41	2-Dec-15	3.05E-03	1.64E-02	No
Wildlife Compartment # 41	2-Dec-15	6.35E-03	1.98E-02	No

Table 40 Radionuclides in Wildlife – Deer Flesh (continued)

Radionuclide: Co-60 (continued)

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Wildlife Compartment # 44	11-Nov-15	-4.97E-03	6.69E-03	No
Wildlife Compartment # 44	11-Nov-15	-3.62E-03	7.90E-03	No
Wildlife Compartment # 44	11-Nov-15	6.70E-03	8.26E-03	No
Wildlife Compartment # 46	2-Dec-15	9.43E-04	1.69E-02	No
Wildlife Compartment # 49	16-Oct-15	6.65E-03	3.60E-03	No
Wildlife Compartment 49	16-Oct-15	1.73E-02	not reported	No
Wildlife Compartment # 9	18-Nov-15	6.16E-03	1.77E-02	No
Wildlife Compartment # 9	18-Nov-15	-2.03E-02	1.70E-02	No
Wildlife Compartment # 9	18-Nov-15	1.65E-02	1.64E-02	No
Wildlife Compartment # 9	18-Nov-15	-1.96E-02	1.64E-02	No
Wildlife Compartment # 9	18-Nov-15	1.63E-02	1.80E-02	No

Table 40 Radionuclides in Wildlife – Deer Flesh (continued)

Radionuclide: Cs-137

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Wildlife Compartment # 10	18-Nov-15	2.89E+00	2.07E-01	Yes
Wildlife Compartment # 10	18-Nov-15	8.30E-01	7.86E-02	Yes
Wildlife Compartment # 10	18-Nov-15	1.82E+00	1.40E-01	Yes
Wildlife Compartment # 12	21-Nov-15	7.03E+00	4.70E-01	Yes
Wildlife Compartment # 13	21-Nov-15	2.17E+00	1.59E-01	Yes
Wildlife Compartment # 13	21-Nov-15	3.78E+00	2.66E-01	Yes
Wildlife Compartment # 13	21-Nov-15	5.08E+00	3.46E-01	Yes
Wildlife Compartment # 13	21-Nov-15	2.92E+00	2.10E-01	Yes
Wildlife Compartment # 18	14-Nov-15	3.78E+00	2.45E-01	Yes
Wildlife Compartment # 18	14-Nov-15	7.70E+00	4.96E-01	Yes
Wildlife Compartment # 18	14-Nov-15	1.41E+00	1.12E-01	Yes
Wildlife Compartment # 18	14-Nov-15	2.33E+00	1.71E-01	Yes
Wildlife Compartment # 20	28-Nov-15	2.05E+00	1.55E-01	Yes
Wildlife Compartment # 24	28-Nov-15	4.19E+00	2.90E-01	Yes
Wildlife Compartment # 29	4-Dec-15	3.35E+00	2.37E-01	Yes
Wildlife Compartment # 29	4-Dec-15	3.11E-01	4.47E-02	Yes
Wildlife Compartment # 29	4-Dec-15	1.61E+00	1.26E-01	Yes
Wildlife Compartment # 3	25-Nov-15	1.31E+00	1.19E-01	Yes
Wildlife Compartment # 3	25-Nov-15	2.46E+00	1.78E-01	Yes
Wildlife Compartment # 3	25-Nov-15	1.01E+00	8.84E-02	Yes
Wildlife Compartment # 3	25-Nov-15	1.21E+00	1.01E-01	Yes
Wildlife Compartment # 3	25-Nov-15	1.44E+00	1.20E-01	Yes
Wildlife Compartment # 3	25-Nov-15	1.20E+00	1.04E-01	Yes
Wildlife Compartment # 30	7-Nov-15	2.97E+00	1.95E-01	Yes
Wildlife Compartment # 30	7-Nov-15	2.02E+00	1.31E-01	Yes
Wildlife Compartment # 32	7-Nov-15	2.12E+00	1.39E-01	Yes
Wildlife Compartment # 36	11-Nov-15	1.90E+00	1.26E-01	Yes
Wildlife Compartment # 36	11-Nov-15	4.51E+00	2.92E-01	Yes
Wildlife Compartment # 36	11-Nov-15	1.74E+00	1.15E-01	Yes
Wildlife Compartment # 4	25-Nov-15	1.90E+00	1.44E-01	Yes
Wildlife Compartment # 4	25-Nov-15	2.69E+00	1.93E-01	Yes
Wildlife Compartment # 40	2-Dec-15	3.76E+00	2.64E-01	Yes
Wildlife Compartment # 41	2-Dec-15	1.28E+00	1.04E-01	Yes
Wildlife Compartment # 41	2-Dec-15	7.65E-01	7.25E-02	Yes

Table 40 Radionuclides in Wildlife – Deer Flesh (continued)

Radionuclide: Cs-137 (continued)

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Wildlife Compartment # 44	11-Nov-15	7.89E-01	5.44E-02	Yes
Wildlife Compartment # 44	11-Nov-15	7.81E-01	5.50E-02	Yes
Wildlife Compartment # 44	11-Nov-15	3.68E-01	2.97E-02	Yes
Wildlife Compartment # 46	2-Dec-15	2.51E+00	1.82E-01	Yes
Wildlife Compartment # 49	16-Oct-15	6.59E+00	4.25E-01	Yes
Wildlife Compartment # 49	16-Oct-15	3.17E+00	not reported	Yes
Wildlife Compartment # 9	18-Nov-15	9.76E-01	8.63E-02	Yes
Wildlife Compartment # 9	18-Nov-15	1.71E+00	1.32E-01	Yes
Wildlife Compartment # 9	18-Nov-15	2.38E+00	1.74E-01	Yes
Wildlife Compartment # 9	18-Nov-15	2.32E+00	1.70E-01	Yes
Wildlife Compartment # 9	18-Nov-15	8.54E-01	7.78E-02	Yes
Wildlife Compartment #16*	23-Oct-15	2.00E+00	not reported	Yes
Wildlife Compartment #20*	23-Oct-15	2.30E+00	not reported	Yes
Wildlife Compartment #13*	23-Oct-15	1.15E+00	not reported	Yes
Wildlife Compartment #20*	23-Oct-15	1.55E+00	not reported	Yes
Wildlife Compartment #26*	23-Oct-15	9.59E+00	not reported	Yes
Wildlife Compartment #32*	30-Oct-15	2.03E+00	not reported	Yes
Wildlife Compartment #42*	14-Nov-15	1.87E+00	not reported	Yes
Wildlife Compartment #49*	16-Oct-15	3.17E+00	not reported	Yes
Wildlife Compartment #42*	06-Mar-15	1.04E+00	not reported	Yes
Wildlife Compartment #42*	06-Mar-15	2.13E-01	not reported	Yes
Wildlife Compartment #42*	06-Mar-15	6.00E+00	not reported	Yes
Wildlife Compartment #32*	06-Mar-15	1.44E+00	not reported	Yes
Wildlife Compartment #30*	13-Mar-15	7.44E-01	not reported	Yes
Wildlife Compartment #13*	13-Mar-15	9.92E-01	not reported	Yes
Wildlife Compartment #32*	13-Mar-15	9.42E-01	not reported	Yes
Wildlife Compartment #18*	13-Mar-15	3.66E-01	not reported	Yes
Wildlife Compartment #20*	13-Mar-15	1.40E+00	not reported	Yes
Wildlife Compartment #30*	13-Mar-15	1.38E+00	not reported	Yes
Wildlife Compartment #16*	20-Mar-15	1.12E-01	not reported	Yes
Wildlife Compartment #13*	20-Mar-15	5.32E-01	not reported	Yes
Wildlife Compartment #24*	26-Mar-15	3.63E-01	not reported	Yes

Table 40 Radionuclides in Wildlife – Deer Flesh (continued)

Radionuclide: Sr-89/90

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Wildlife Compartment # 10	18-Nov-15	3.54E-03	2.45E-03	No
Wildlife Compartment # 10	18-Nov-15	2.39E-03	2.15E-03	No
Wildlife Compartment # 10	18-Nov-15	1.29E-03	2.17E-03	No
Wildlife Compartment # 12	21-Nov-15	2.53E-03	1.75E-03	No
Wildlife Compartment # 13	21-Nov-15	6.86E-03	2.05E-03	Yes
Wildlife Compartment # 13	21-Nov-15	-9.57E-04	1.56E-03	No
Wildlife Compartment # 13	21-Nov-15	2.61E-03	1.40E-03	No
Wildlife Compartment # 13	21-Nov-15	3.54E-03	1.86E-03	No
Wildlife Compartment # 18	14-Nov-15	2.30E-03	1.47E-03	No
Wildlife Compartment # 18	14-Nov-15	1.38E-02	2.48E-03	Yes
Wildlife Compartment # 18	14-Nov-15	2.47E-03	1.56E-03	No
Wildlife Compartment # 18	14-Nov-15	3.41E-03	1.71E-03	No
Wildlife Compartment # 20	28-Nov-15	2.68E-03	2.03E-03	No
Wildlife Compartment # 24	28-Nov-15	4.81E-03	2.21E-03	No
Wildlife Compartment # 29	4-Dec-15	1.06E-03	1.79E-03	No
Wildlife Compartment # 29	4-Dec-15	3.65E-03	1.92E-03	No
Wildlife Compartment # 29	4-Dec-15	4.03E-03	2.36E-03	No
Wildlife Compartment # 3	25-Nov-15	2.86E-02	3.51E-03	Yes
Wildlife Compartment # 3	25-Nov-15	1.42E-02	2.43E-03	Yes
Wildlife Compartment # 3	25-Nov-15	4.95E-03	2.31E-03	No
Wildlife Compartment # 3	25-Nov-15	7.54E-03	2.07E-03	Yes
Wildlife Compartment # 3	25-Nov-15	3.73E-03	2.57E-03	No
Wildlife Compartment # 3	25-Nov-15	2.42E-03	2.41E-03	No
Wildlife Compartment # 30	7-Nov-15	1.02E-03	2.16E-03	No
Wildlife Compartment # 30	7-Nov-15	1.92E-03	1.71E-03	No
Wildlife Compartment # 32	7-Nov-15	2.18E-03	1.78E-03	No
Wildlife Compartment # 36	11-Nov-15	9.14E-04	1.28E-03	No
Wildlife Compartment # 36	11-Nov-15	2.39E-03	1.81E-03	No
Wildlife Compartment # 36	11-Nov-15	3.00E-03	1.63E-03	No
Wildlife Compartment # 4	25-Nov-15	1.01E-02	3.06E-03	Yes
Wildlife Compartment # 4	25-Nov-15	4.70E-03	2.54E-03	No
Wildlife Compartment # 40	2-Dec-15	3.70E-03	2.55E-03	No
Wildlife Compartment # 41	2-Dec-15	3.24E-03	2.06E-03	No
Wildlife Compartment # 41	2-Dec-15	3.70E-03	2.82E-03	No

Table 40 Radionuclides in Wildlife – Deer Flesh (continued)

Radionuclide: Sr-89/90 (continued)

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Wildlife Compartment # 44	11-Nov-15	2.08E-03	1.44E-03	No
Wildlife Compartment # 44	11-Nov-15	1.49E-03	1.49E-03	No
Wildlife Compartment # 44	11-Nov-15	1.53E-03	1.32E-03	No
Wildlife Compartment # 46	2-Dec-15	2.73E-03	1.72E-03	No
Wildlife Compartment # 49	16-Oct-15	2.76E-03	1.78E-03	No
Wildlife Compartment 49	10/16/2015	3.54E-03		No
Wildlife Compartment # 9	18-Nov-15	2.01E-03	2.08E-03	No
Wildlife Compartment # 9	18-Nov-15	5.43E-04	1.91E-03	No
Wildlife Compartment # 9	18-Nov-15	-5.89E-04	1.83E-03	No
Wildlife Compartment # 9	18-Nov-15	2.26E-03	2.04E-03	No
Wildlife Compartment # 9	18-Nov-15	8.08E-03	2.61E-03	Yes

Table 40 Radionuclides in Wildlife – Deer Flesh (continued)

Radionuclide: Gross Beta				
Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Wildlife Compartment # 10	18-Nov-15	3.35E+00	1.40E-01	Yes
Wildlife Compartment # 10	18-Nov-15	2.67E+00	1.26E-01	Yes
Wildlife Compartment # 10	18-Nov-15	2.81E+00	1.82E-01	Yes
Wildlife Compartment # 12	21-Nov-15	2.89E+00	1.63E-01	Yes
Wildlife Compartment # 13	21-Nov-15	3.16E+00	1.36E-01	Yes
Wildlife Compartment # 13	21-Nov-15	3.46E+00	1.41E-01	Yes
Wildlife Compartment # 13	21-Nov-15	4.70E+00	1.63E-01	Yes
Wildlife Compartment # 13	21-Nov-15	3.86E+00	1.49E-01	Yes
Wildlife Compartment # 18	14-Nov-15	4.22E+00	1.55E-01	Yes
Wildlife Compartment # 18	14-Nov-15	7.57E+00	2.06E-01	Yes
Wildlife Compartment # 18	14-Nov-15	2.81E+00	1.29E-01	Yes
Wildlife Compartment # 18	14-Nov-15	3.65E+00	1.45E-01	Yes
Wildlife Compartment # 20	28-Nov-15	2.21E+00	1.63E-01	Yes
Wildlife Compartment # 24	28-Nov-15	3.65E+00	2.05E-01	Yes
Wildlife Compartment # 29	4-Dec-15	4.00E+00	2.14E-01	Yes
Wildlife Compartment # 29	4-Dec-15	2.49E+00	1.72E-01	Yes
Wildlife Compartment # 29	4-Dec-15	3.00E+00	1.87E-01	Yes
Wildlife Compartment # 3	25-Nov-15	2.73E+00	1.78E-01	Yes
Wildlife Compartment # 3	25-Nov-15	3.05E+00	1.89E-01	Yes
Wildlife Compartment # 3	25-Nov-15	2.78E+00	1.81E-01	Yes
Wildlife Compartment # 3	25-Nov-15	2.40E+00	1.69E-01	Yes
Wildlife Compartment # 3	25-Nov-15	2.70E+00	1.78E-01	Yes
Wildlife Compartment # 3	25-Nov-15	2.58E+00	1.75E-01	Yes
Wildlife Compartment # 30	7-Nov-15	4.38E+00	2.22E-01	Yes
Wildlife Compartment # 30	7-Nov-15	4.41E+00	2.23E-01	Yes
Wildlife Compartment # 32	7-Nov-15	4.08E+00	2.15E-01	Yes
Wildlife Compartment # 36	11-Nov-15	3.51E+00	2.00E-01	Yes
Wildlife Compartment # 36	11-Nov-15	5.08E+00	2.40E-01	Yes
Wildlife Compartment # 36	11-Nov-15	4.22E+00	2.19E-01	Yes
Wildlife Compartment # 4	25-Nov-15	2.70E+00	1.78E-01	Yes
Wildlife Compartment # 4	25-Nov-15	2.57E+00	1.73E-01	Yes
Wildlife Compartment # 40	2-Dec-15	3.95E+00	2.12E-01	Yes
Wildlife Compartment # 41	2-Dec-15	2.54E+00	1.74E-01	Yes
Wildlife Compartment # 41	2-Dec-15	1.66E+00	1.43E-01	Yes

Table 40 Radionuclides in Wildlife – Deer Flesh (continued)

Radionuclide: Gross Beta (continued)

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Wildlife Compartment # 44	11-Nov-15	2.86E+00	1.82E-01	Yes
Wildlife Compartment # 44	11-Nov-15	2.36E+00	1.68E-01	Yes
Wildlife Compartment # 44	11-Nov-15	2.35E+00	1.68E-01	Yes
Wildlife Compartment # 46	2-Dec-15	2.86E+00	1.83E-01	Yes
Wildlife Compartment # 49	16-Oct-15	1.20E+01	3.67E-01	Yes
Wildlife Compartment 49	16-Oct-15	6.46E+00	not reported	Yes
Wildlife Compartment # 9	18-Nov-15	2.92E+00	1.84E-01	Yes
Wildlife Compartment # 9	18-Nov-15	2.92E+00	1.85E-01	Yes
Wildlife Compartment # 9	18-Nov-15	3.30E+00	1.38E-01	Yes
Wildlife Compartment # 9	18-Nov-15	2.73E+00	1.26E-01	Yes
Wildlife Compartment # 9	18-Nov-15	2.13E+00	1.60E-01	Yes

Table 40 Radionuclides in Wildlife – Deer Flesh (continued)

Radionuclide: Gross Alpha				
Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Wildlife Compartment # 10	18-Nov-15	1.15E-02	2.35E-02	No
Wildlife Compartment # 10	18-Nov-15	5.65E-02	3.23E-02	No
Wildlife Compartment # 10	18-Nov-15	6.24E-02	4.28E-02	No
Wildlife Compartment # 12	21-Nov-15	-1.57E-02	2.48E-02	No
Wildlife Compartment # 13	21-Nov-15	1.27E-04	2.01E-02	No
Wildlife Compartment # 13	21-Nov-15	6.51E-02	3.30E-02	No
Wildlife Compartment # 13	21-Nov-15	2.25E-02	2.61E-02	No
Wildlife Compartment # 13	21-Nov-15	1.15E-02	2.39E-02	No
Wildlife Compartment # 18	14-Nov-15	3.43E-02	2.87E-02	No
Wildlife Compartment # 18	14-Nov-15	4.46E-02	3.11E-02	No
Wildlife Compartment # 18	14-Nov-15	8.27E-02	3.77E-02	No
Wildlife Compartment # 18	14-Nov-15	-2.56E-05	2.08E-02	No
Wildlife Compartment # 20	28-Nov-15	4.22E-02	3.72E-02	No
Wildlife Compartment # 24	28-Nov-15	8.16E-02	4.76E-02	No
Wildlife Compartment # 29	4-Dec-15	1.86E-02	3.15E-02	No
Wildlife Compartment # 29	4-Dec-15	-4.03E-04	2.29E-02	No
Wildlife Compartment # 29	4-Dec-15	2.00E-02	3.11E-02	No
Wildlife Compartment # 3	25-Nov-15	-2.19E-02	6.96E-03	No
Wildlife Compartment # 3	25-Nov-15	4.24E-02	3.88E-02	No
Wildlife Compartment # 3	25-Nov-15	8.46E-02	4.83E-02	No
Wildlife Compartment # 3	25-Nov-15	2.06E-02	3.03E-02	No
Wildlife Compartment # 3	25-Nov-15	-2.23E-02	7.10E-03	No
Wildlife Compartment # 3	25-Nov-15	1.27E-01	5.68E-02	No
Wildlife Compartment # 30	7-Nov-15	-2.70E-04	2.55E-02	No
Wildlife Compartment # 30	7-Nov-15	-2.84E-04	2.60E-02	No
Wildlife Compartment # 32	7-Nov-15	2.25E-02	3.44E-02	No
Wildlife Compartment # 36	11-Nov-15	2.19E-02	3.33E-02	No
Wildlife Compartment # 36	11-Nov-15	5.92E-02	4.34E-02	No
Wildlife Compartment # 36	11-Nov-15	-2.22E-04	2.67E-02	No
Wildlife Compartment # 4	25-Nov-15	-8.57E-04	2.17E-02	No
Wildlife Compartment # 4	25-Nov-15	-6.24E-04	2.15E-02	No
Wildlife Compartment # 40	2-Dec-15	-2.97E-03	2.21E-02	No
Wildlife Compartment # 41	2-Dec-15	8.46E-02	4.81E-02	No
Wildlife Compartment # 41	2-Dec-15	8.51E-04	2.07E-02	No

Table 40 Radionuclides in Wildlife – Deer Flesh (continued)

Radionuclide: Gross Alpha (continued)

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Wildlife Compartment # 44	11-Nov-15	-2.19E-02	1.24E-02	No
Wildlife Compartment # 44	11-Nov-15	1.27E-01	5.67E-02	No
Wildlife Compartment # 44	11-Nov-15	8.76E-02	4.96E-02	No
Wildlife Compartment # 46	2-Dec-15	1.97E-02	3.02E-02	No
Wildlife Compartment # 49	16-Oct-15	2.10E-02	3.59E-02	No
Wildlife Compartment 49	16-Oct-15	2.49E-02	not reported	No
Wildlife Compartment # 9	18-Nov-15	-2.32E-02	7.28E-03	No
Wildlife Compartment # 9	18-Nov-15	2.07E-02	3.17E-02	No
Wildlife Compartment # 9	18-Nov-15	9.19E-02	3.84E-02	Yes
Wildlife Compartment # 9	18-Nov-15	2.17E-02	2.46E-02	No
Wildlife Compartment # 9	18-Nov-15	1.96E-04	2.24E-02	No

Table 41 Radionuclides in Wildlife – Deer Bone

Radionuclide: Sr-89/90

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Wildlife Compartment # 10	18-Nov-15	5.51E+00	4.10E-01	Yes
Wildlife Compartment # 10	18-Nov-15	3.81E+00	3.24E-01	Yes
Wildlife Compartment # 10	18-Nov-15	4.76E+00	3.65E-01	Yes
Wildlife Compartment # 12	21-Nov-15	2.95E+00	2.82E-01	Yes
Wildlife Compartment # 13	21-Nov-15	1.14E+00	1.73E-01	Yes
Wildlife Compartment # 13	21-Nov-15	3.95E+00	3.27E-01	Yes
Wildlife Compartment # 13	21-Nov-15	3.57E+00	3.07E-01	Yes
Wildlife Compartment # 13	21-Nov-15	5.19E+00	3.97E-01	Yes
Wildlife Compartment # 18	14-Nov-15	3.81E+00	2.80E-01	Yes
Wildlife Compartment # 18	14-Nov-15	3.84E+00	2.81E-01	Yes
Wildlife Compartment # 18	14-Nov-15	4.70E+00	3.29E-01	Yes
Wildlife Compartment # 18	14-Nov-15	4.11E+00	3.21E-01	Yes
Wildlife Compartment # 20	28-Nov-15	2.76E+00	2.65E-01	Yes
Wildlife Compartment # 24	28-Nov-15	5.43E+00	3.98E-01	Yes
Wildlife Compartment # 29	4-Dec-15	1.09E+00	1.56E-01	Yes
Wildlife Compartment # 29	4-Dec-15	8.62E-01	1.41E-01	Yes
Wildlife Compartment # 29	4-Dec-15	3.32E+00	2.96E-01	Yes
Wildlife Compartment # 3	25-Nov-15	6.32E+00	4.23E-01	Yes
Wildlife Compartment # 3	25-Nov-15	4.49E+00	3.28E-01	Yes
Wildlife Compartment # 3	25-Nov-15	4.19E+00	3.08E-01	Yes
Wildlife Compartment # 3	25-Nov-15	4.16E+00	3.06E-01	Yes
Wildlife Compartment # 3	25-Nov-15	4.65E+00	3.28E-01	Yes
Wildlife Compartment # 3	25-Nov-15	4.41E+00	3.17E-01	Yes
Wildlife Compartment # 30	7-Nov-15	3.70E+00	2.33E-01	Yes
Wildlife Compartment # 30	7-Nov-15	2.92E+00	1.95E-01	Yes
Wildlife Compartment # 32	7-Nov-15	2.89E+00	1.92E-01	Yes
Wildlife Compartment # 36	11-Nov-15	2.23E+00	1.60E-01	Yes
Wildlife Compartment # 36	11-Nov-15	1.98E+00	1.47E-01	Yes
Wildlife Compartment # 36	11-Nov-15	9.30E-01	9.67E-02	Yes
Wildlife Compartment # 4	25-Nov-15	3.81E+00	2.87E-01	Yes
Wildlife Compartment # 4	25-Nov-15	5.43E+00	3.72E-01	Yes
Wildlife Compartment # 40	2-Dec-15	2.54E+00	2.41E-01	Yes
Wildlife Compartment # 41	2-Dec-15	4.35E+00	3.44E-01	Yes
Wildlife Compartment # 41	2-Dec-15	3.95E+00	3.20E-01	Yes

Table 41 Radionuclides in Wildlife – Deer Bone (continued)

Radionuclide: Sr-89/90 (continued)

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Wildlife Compartment # 44	11-Nov-15	1.67E+00	2.04E-01	Yes
Wildlife Compartment # 44	11-Nov-15	2.21E+00	2.30E-01	Yes
Wildlife Compartment # 44	11-Nov-15	4.73E-01	1.32E-01	Yes
Wildlife Compartment # 46	2-Dec-15	2.39E+00	2.36E-01	Yes
Wildlife Compartment # 49	16-Oct-15	2.66E+00	1.79E-01	Yes
Wildlife Compartment # 49	16-Oct-15	1.15E+00	not reported	Yes
Wildlife Compartment # 9	18-Nov-15	4.08E+00	2.95E-01	Yes
Wildlife Compartment # 9	18-Nov-15	5.14E+00	3.50E-01	Yes
Wildlife Compartment # 9	18-Nov-15	2.78E+00	2.29E-01	Yes
Wildlife Compartment # 9	18-Nov-15	5.05E+00	3.83E-01	Yes
Wildlife Compartment # 9	18-Nov-15	5.81E+00	4.20E-01	Yes

Table 42 Radionuclides in Wildlife – Hog Flesh**Radionuclide: Co-60**

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Wildlife Compartment # 10	18-Nov-15	1.47E-02	1.99E-02	No
Wildlife Compartment # 24	28-Nov-15	7.70E-04	1.76E-02	No
Wildlife Compartment # 24	28-Nov-15	1.82E-02	1.97E-02	No
Wildlife Compartment # 29	4-Dec-15	2.61E-02	1.73E-02	No
Wildlife Compartment # 29	4-Dec-15	1.67E-02	1.85E-02	No
Wildlife Compartment # 3	25-Nov-15	-6.11E-03	2.23E-02	No
Wildlife Compartment # 3	25-Nov-15	1.45E-02	1.88E-02	No
Wildlife Compartment # 32	7-Nov-15	-1.44E-03	6.79E-03	No
Wildlife Compartment # 40	2-Dec-15	2.46E-02	1.91E-02	No
Wildlife Compartment # 44	16-Oct-15	2.59E-04	8.67E-03	No
Wildlife Compartment # 9	18-Nov-15	2.84E-05	6.89E-03	No
Wildlife Compartment # 9	18-Nov-15	4.24E-03	6.74E-03	No

Radionuclide: Cs-137

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Wildlife Compartment # 10	18-Nov-15	3.68E-01	4.58E-02	Yes
Wildlife Compartment # 24	28-Nov-15	9.19E+00	6.09E-01	Yes
Wildlife Compartment # 24	28-Nov-15	4.03E+00	2.81E-01	Yes
Wildlife Compartment # 29	4-Dec-15	3.08E-02	2.12E-02	No
Wildlife Compartment # 29	4-Dec-15	3.41E-01	4.63E-02	Yes
Wildlife Compartment # 3	25-Nov-15	9.27E-01	8.21E-02	Yes
Wildlife Compartment # 3	25-Nov-15	1.25E+00	1.03E-01	Yes
Wildlife Compartment # 32	7-Nov-15	6.11E-01	4.32E-02	Yes
Wildlife Compartment # 40	2-Dec-15	1.77E+00	1.36E-01	Yes
Wildlife Compartment # 44	16-Oct-15	1.62E-01	2.59E-02	Yes
Wildlife Compartment # 9	18-Nov-15	2.65E-01	2.29E-02	Yes
Wildlife Compartment # 9	18-Nov-15	2.89E-01	2.28E-02	Yes

Table 42 Radionuclides in Wildlife – Hog Flesh (continued)**Radionuclide: Sr-89/90**

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Wildlife Compartment # 10	18-Nov-15	1.38E-03	1.62E-03	No
Wildlife Compartment # 24	28-Nov-15	5.54E-03	2.53E-03	No
Wildlife Compartment # 24	28-Nov-15	2.34E-03	2.25E-03	No
Wildlife Compartment # 29	4-Dec-15	4.05E-03	1.67E-03	No
Wildlife Compartment # 29	4-Dec-15	1.08E-03	1.61E-03	No
Wildlife Compartment # 3	25-Nov-15	6.16E-03	1.93E-03	Yes
Wildlife Compartment # 3	25-Nov-15	2.20E-03	1.50E-03	No
Wildlife Compartment # 32	7-Nov-15	5.00E-03	2.06E-03	No
Wildlife Compartment # 40	2-Dec-15	9.49E-04	1.84E-03	No
Wildlife Compartment # 44	16-Oct-15	2.95E-03	1.95E-03	No
Wildlife Compartment # 9	18-Nov-15	2.47E-03	1.44E-03	No
Wildlife Compartment # 9	18-Nov-15	4.89E-04	1.25E-03	No

Radionuclide: Gross Beta

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Wildlife Compartment # 10	18-Nov-15	2.42E+00	1.20E-01	Yes
Wildlife Compartment # 24	28-Nov-15	5.76E+00	2.54E-01	Yes
Wildlife Compartment # 24	28-Nov-15	3.70E+00	2.06E-01	Yes
Wildlife Compartment # 29	4-Dec-15	2.00E+00	1.55E-01	Yes
Wildlife Compartment # 29	4-Dec-15	2.36E+00	1.67E-01	Yes
Wildlife Compartment # 3	25-Nov-15	2.69E+00	1.78E-01	Yes
Wildlife Compartment # 3	25-Nov-15	2.58E+00	1.74E-01	Yes
Wildlife Compartment # 32	7-Nov-15	2.76E+00	1.79E-01	Yes
Wildlife Compartment # 40	2-Dec-15	2.78E+00	1.80E-01	Yes
Wildlife Compartment # 44	16-Oct-15	2.84E+00	1.83E-01	Yes
Wildlife Compartment # 9	18-Nov-15	2.62E+00	1.25E-01	Yes
Wildlife Compartment # 9	18-Nov-15	2.59E+00	1.24E-01	Yes

Table 42 Radionuclides in Wildlife – Hog Flesh (continued)

Radionuclide: Gross Alpha

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Wildlife Compartment # 10	18-Nov-15	3.78E-04	2.06E-02	No
Wildlife Compartment # 24	28-Nov-15	-6.19E-03	2.25E-02	No
Wildlife Compartment # 24	28-Nov-15	-2.56E-03	2.24E-02	No
Wildlife Compartment # 29	4-Dec-15	-2.12E-02	7.15E-03	No
Wildlife Compartment # 29	4-Dec-15	-2.16E-02	7.06E-03	No
Wildlife Compartment # 3	25-Nov-15	2.08E-02	3.14E-02	No
Wildlife Compartment # 3	25-Nov-15	2.02E-02	3.02E-02	No
Wildlife Compartment # 32	7-Nov-15	-2.19E-02	1.24E-02	No
Wildlife Compartment # 40	2-Dec-15	4.16E-02	3.75E-02	No
Wildlife Compartment # 44	16-Oct-15	2.97E-02	3.72E-02	No
Wildlife Compartment # 9	18-Nov-15	2.41E-02	2.73E-02	No
Wildlife Compartment # 9	18-Nov-15	3.38E-04	2.12E-02	No

Table 43 Radionuclides in Wildlife – Hog Bone

Radionuclide: Sr-89/90

Location	Sample Date	Result (pCi/g)	Standard Deviation (pCi/g)	Significant
Wildlife Compartment # 10	18-Nov-15	4.24E+00	3.03E-01	Yes
Wildlife Compartment # 24	28-Nov-15	1.50E+01	8.63E-01	Yes
Wildlife Compartment # 24	28-Nov-15	1.04E+01	6.27E-01	Yes
Wildlife Compartment # 29	4-Dec-15	7.41E-01	1.37E-01	Yes
Wildlife Compartment # 29	4-Dec-15	1.46E+00	1.80E-01	Yes
Wildlife Compartment # 3	25-Nov-15	4.78E+00	3.75E-01	Yes
Wildlife Compartment # 3	25-Nov-15	3.16E+00	2.86E-01	Yes
Wildlife Compartment # 32	7-Nov-15	2.11E+00	1.61E-01	Yes
Wildlife Compartment # 40	2-Dec-15	1.90E+00	2.10E-01	Yes
Wildlife Compartment # 44	16-Oct-15	1.65E+00	1.33E-01	Yes
Wildlife Compartment # 9	18-Nov-15	2.63E+00	2.18E-01	Yes
Wildlife Compartment # 9	18-Nov-15	2.02E+00	1.87E-01	Yes

Table 44 Blind Sample Results for pH Field Measurements

Sample Identification	pH Units			Difference ≤ 0.4 SU?
	Measured Value	Actual Value	Difference	
BpH-150101	4.08	4.12	0.04	Yes
BpH-150102	7.48	7.37	0.11	Yes
BpH-150101*	4.04	4.06	0.02	Yes
BpH-150102*	7.19	7.22	0.03	Yes
BpH-150303	4.10	4.10	0.00	Yes
BpH-150304	7.36	7.42	0.06	Yes
BpH-150401	4.09	4.08	0.01	Yes
BpH-150402	7.32	7.39	0.07	Yes
BpH-150401*	4.01	4.06	0.05	Yes
BpH-150402*	7.26	7.38	0.12	Yes
BpH-150601	4.01	4.06	0.05	Yes
BpH-150602	7.36	7.34	0.02	Yes
BpH-150701*	4.08	4.07	0.01	Yes
BpH-150702*	7.47	7.35	0.12	Yes
BpH-150701*	4.06	4.08	0.02	Yes
BpH-150702*	7.33	7.40	0.07	Yes
BpH-150901	4.15	4.06	0.09	Yes
BpH-150902	6.85	6.76	0.09	Yes
BpH-150901*	4.14	3.98	0.16	Yes
BpH-150902*	6.90	6.88	0.02	Yes
BpH-151101	3.99	4.08	0.09	Yes
BpH-151102	6.82	6.92	0.10	Yes
BpH-151201	4.22	3.97	0.25	Yes
BpH-151202	6.80	6.91	0.11	Yes

* The sample identification indicates the blind solution used. Blind solutions can be used up to 30 days after preparation: therefore the sample identifications are the same.

Table 45 NPDES Blind Sample Results

Outfall Locations and Sample Dates where there was no flow

NPDES Site	Sample Date
F-02	26-Jan-15
F-05	26-Jan-15
A-1A	10-Mar-15
D-01	7-May-15
D-01B	7-May-15
D-01C	7-May-15
K-06	11-May-15
F-01	10-Jun-15
D-02	1-Jul-15
F-02	28-Jul-15
F-05	28-Jul-15
A-1A	8-Sep-15
H-07	19-Oct-15
D-01	5-Nov-15
D-01B	5-Nov-15
D-01C	5-Nov-15
K-06	17-Nov-15
F-01	17-Dec-15

Table 45 NPDES Blind Sample Results (continued)

Analytical Results for Flowing Outfalls

Sample Date	NPDES Site	Blind Sample ID	Laboratory*	Parameter	Units	Compliance Sample Value	Blind Sample Value	Relative Percent Difference	Relative Percent Difference ($\leq 20\%$)
18-Feb-15	A-01	B150201	CSWTF	Biochemical Oxygen Demand	mg/l	< 2	< 2	0.0	Yes
18-Feb-15	A-01	B150201	EBL	Iron	mg/l	0.1850	0.2203	17.4	Yes
17-Feb-15	A-01	B150201	SES	Oil & Grease	mg/l	6.3	< 3.4	59.8	No
18-Feb-15	A-01	B150201	EBL	Total Suspended Solids	mg/l	1	1	0.0	Yes
12-Feb-15	F-08	B150202	EBL	Lead	mg/l	0.000251	0.000229	9.2	Yes
12-Feb-15	F-08	B150202	EBL	Zinc	mg/l	0.1209	0.1136	6.2	Yes
2-Feb-15	H-16	B150203	CSWTF	Biochemical Oxygen Demand	mg/l	< 2	< 2	0.0	Yes
2-Feb-15	H-16	B150203	EBL	Cadmium	mg/l	< 0.000050	0.000055	9.5	Yes
2-Feb-15	H-16	B150203	EBL	Chromium	mg/l	< 0.001	< 0.001	0.0	Yes
2-Feb-15	H-16	B150203	EBL	Copper	mg/l	< 0.001	< 0.001	0.0	Yes
2-Feb-15	H-16	B150203	EBL	Lead	mg/l	< 0.0001	< 0.0001	0.0	Yes
2-Feb-15	H-16	B150203	EBL	Mercury	µg/L	< 0.02000	0.02055	2.7	Yes
2-Feb-15	H-16	B150203	EBL	Nickel	mg/l	< 0.001	< 0.001	0.0	Yes
2-Feb-15	H-16	B150203	EBL	Silver	mg/l	< 0.001	< 0.001	0.0	Yes
2-Feb-15	H-16	B150203	EBL	Total Suspended Solids	mg/l	< 1	< 1	0.0	Yes
2-Feb-15	H-16	B150203	EBL	Zinc	mg/l	< 0.001	< 0.001	0.0	Yes
11-Mar-15	H-02	B150302	EBL	Copper	mg/l	0.0091	0.0094	3.2	Yes
11-Mar-15	H-02	B150302	EBL	Lead	mg/l	0.0002	0.0002	0.0	Yes
11-Mar-15	H-02	B150302	EBL	Zinc	mg/l	0.0142	0.0144	1.4	Yes
21-Apr-15	A-11	B150401	CSWTF	Biochemical Oxygen Demand	mg/l	< 2	< 2	0.0	Yes
21-Apr-15	A-11	B150401	EBL	Total Suspended Solids	mg/l	< 1	< 1	0.0	Yes
22-Apr-15	H-12	B150402	EBL	Copper	mg/l	0.00775	0.00817	5.3	Yes
22-Apr-15	H-12	B150402	EBL	Zinc	mg/l	0.0311	0.0364	15.7	Yes
20-Apr-15	H-16	B150403	CSWTF	Biochemical Oxygen Demand	mg/l	< 2	< 2	0.0	Yes
20-Apr-15	H-16	B150403	EBL	Cadmium	mg/l	0.000116	< 0.000050	79.5	No
20-Apr-15	H-16	B150403	EBL	Chromium	mg/l	< 0.001	< 0.001	0.0	Yes

Sample Date	NPDES Site	Blind Sample ID	Laboratory*	Parameter	Units	Compliance Sample Value	Blind Sample Value	Relative Percent Difference	Relative Percent Difference ($\leq 20\%$)
20-Apr-15	H-16	B150403	EBL	Copper	mg/l	< 0.001	< 0.001	0.0	Yes
20-Apr-15	H-16	B150403	EBL	Lead	mg/l	0.000051	0.000069	30.0	No
20-Apr-15	H-16	B150403	EBL	Mercury	µg/L	< 0.02	< 0.02	0.0	Yes
20-Apr-15	H-16	B150403	EBL	Nickel	mg/l	< 0.0010	< 0.0010	0.0	Yes
20-Apr-15	H-16	B150403	EBL	Silver	mg/l	< 0.0010	< 0.0010	0.0	Yes
20-Apr-15	H-16	B150403	EBL	Total Suspended Solids	mg/l	< 1	< 1	0.0	Yes
20-Apr-15	H-16	B150403	EBL	Zinc	mg/l	0.00717	0.00849	16.9	Yes
1-Jun-15	H-16	B150602	CSWTF	Biochemical Oxygen Demand	mg/l	< 2	< 2	0.0	Yes
1-Jun-15	H-16	B150602	EBL	Cadmium	mg/l	< 0.000050	0.000077	42.5	No
1-Jun-15	H-16	B150602	EBL	Chromium	mg/l	< 0.001	< 0.001	0.0	Yes
1-Jun-15	H-16	B150602	EBL	Copper	mg/l	< 0.001	< 0.001	0.0	Yes
1-Jun-15	H-16	B150602	EBL	Lead	mg/l	< 0.00005	< 0.00005	0.0	Yes
1-Jun-15	H-16	B150602	EBL	Mercury	µg/L	< 0.02	< 0.02	0.0	Yes
1-Jun-15	H-16	B150602	EBL	Nickel	mg/l	< 0.0010	< 0.0010	0.0	Yes
1-Jun-15	H-16	B150602	EBL	Silver	mg/l	< 0.0010	< 0.0010	0.0	Yes
1-Jun-15	H-16	B150602	EBL	Total Suspended Solids	mg/l	< 1	< 1	0.0	Yes
1-Jun-15	H-16	B150602	EBL	Zinc	mg/l	< 0.0010	< 0.0010	0.0	Yes
2-Jun-15	M-05	B150603	SES	Trichloroethylene	µg/L	< 0.18	< 0.18	0.0	Yes
2-Jun-15	M-05	B150603	SES	Tetrachloroethylene	µg/L	< 0.13	< 0.13	0.0	Yes
7-Jul-15	G-10	B1-JUL15-01	SES	Ammonia	mg/l	0.14	0.12	15.4	Yes
4-Aug-15	A-01	B150801	CSWTF	Biochemical Oxygen Demand	mg/l	< 2	< 2	0.0	Yes
4-Aug-15	A-01	B150801	EBL	Iron	mg/l	0.524	0.499	4.9	Yes
3-Aug-15	A-01	B150801	SES	Oil & Grease	mg/l	< 3.3	< 3.3	0.0	Yes
4-Aug-15	A-01	B150801	EBL	Total Suspended Solids	mg/l	4	3	28.6	No
11-Aug-15	F-08	B150802	EBL	Lead	mg/l	0.000557	0.000607	8.6	Yes
11-Aug-15	F-08	B150802	EBL	Zinc	mg/l	0.0368	0.0374	1.6	Yes
3-Aug-15	H-16	B150803	CSWTF	Biochemical Oxygen Demand	mg/l	< 2	< 2	0.0	Yes
3-Aug-15	H-16	B150803	EBL	Cadmium	mg/l	< 0.00005	< 0.00005	0.0	Yes

Sample Date	NPDES Site	Blind Sample ID	Laboratory*	Parameter	Units	Compliance Sample Value	Blind Sample Value	Relative Percent Difference	Relative Percent Difference ($\leq 20\%$)
3-Aug-15	H-16	B150803	EBL	Chromium	mg/l	< 0.001	< 0.001	0.0	Yes
3-Aug-15	H-16	B150803	EBL	Copper	mg/l	< 0.001	< 0.001	0.0	Yes
3-Aug-15	H-16	B150803	EBL	Lead	mg/l	< 0.00005	< 0.00005	0.0	Yes
3-Aug-15	H-16	B150803	EBL	Mercury	µg/L	< 0.02	< 0.02	0.0	Yes
3-Aug-15	H-16	B150803	EBL	Nickel	mg/l	< 0.0010	< 0.0010	0.0	Yes
3-Aug-15	H-16	B150803	EBL	Silver	mg/l	< 0.0010	< 0.0010	0.0	Yes
3-Aug-15	H-16	B150803	EBL	Total Suspended Solids	mg/l	< 1	< 1	0.0	Yes
3-Aug-15	H-16	B150803	EBL	Zinc	mg/l	< 0.0010	< 0.0010	0.0	Yes
22-Sep-15	H-02	B150902	EBL	Copper	mg/l	0.00475	0.0053	10.9	Yes
22-Sep-15	H-02	B150902	EBL	Lead	mg/l	0.000181	0.000154	16.1	Yes
22-Sep-15	H-02	B150902	EBL	Zinc	mg/l	< 0.001	< 0.001	0.0	Yes
13-Oct-15	A-11	B151001	CSWTF	Biochemical Oxygen Demand	mg/l	< 2	< 2	0.0	Yes
13-Oct-15	A-11	B151001	EBL	Total Suspended Solids	mg/l	< 1	< 1	0.0	Yes
6-Oct-15	G-10	B1-OCT15-01	SES	Ammonia	mg/l	0.11	0.14	24.0	No
14-Oct-15	H-12	B151003	EBL	Copper	mg/l	0.00493	0.005	8.5	Yes
14-Oct-15	H-12	B151003	EBL	Zinc	mg/l	0.182	0.183	0.5	Yes
2-Nov-15	H-16	B151004	CSWTF	Biochemical Oxygen Demand	mg/l	< 2	< 2	0.0	Yes
2-Nov-15	H-16	B151004	EBL	Cadmium	mg/l	< 0.000050	0.000146	98.0	No
2-Nov-15	H-16	B151004	EBL	Chromium	mg/l	< 0.001	< 0.001	0.0	Yes
2-Nov-15	H-16	B151004	EBL	Copper	mg/l	< 0.001	< 0.001	0.0	Yes
2-Nov-15	H-16	B151004	EBL	Lead	mg/l	< 0.00005	< 0.00005	0.0	Yes
2-Nov-15	H-16	B151004	EBL	Mercury	µg/L	< 0.02	< 0.02	0.0	Yes
2-Nov-15	H-16	B151004	EBL	Nickel	mg/l	< 0.001	< 0.001	0.0	Yes
2-Nov-15	H-16	B151004	EBL	Silver	mg/l	< 0.001	< 0.001	0.0	Yes
2-Nov-15	H-16	B151004	EBL	Total Suspended Solids	mg/l	< 1	< 1	0.0	Yes
2-Nov-15	H-16	B151004	EBL	Zinc	mg/l	0.0101	0.0103	2.0	Yes
20-Oct-15	K-18	B151005	EBL	Total Suspended Solids	mg/l	1	1	0.0	Yes
20-Oct-15	L-07	B151006	EBL	Total Suspended Solids	mg/l	1	1	0.0	Yes

Sample Date	NPDES Site	Blind Sample ID	Laboratory*	Parameter	Units	Compliance Sample Value	Blind Sample Value	Relative Percent Difference	Relative Percent Difference ($\leq 20\%$)
1-Dec-15	H-16	B151202	CSWTF	Biochemical Oxygen Demand	mg/l	< 2	< 2	0.0	Yes
1-Dec-15	H-16	B151202	EBL	Cadmium	mg/l	< 0.00005	< 0.00005	0.0	Yes
1-Dec-15	H-16	B151202	EBL	Chromium	mg/l	< 0.001	< 0.001	0.0	Yes
1-Dec-15	H-16	B151202	EBL	Copper	mg/l	< 0.001	< 0.001	0.0	Yes
1-Dec-15	H-16	B151202	EBL	Lead	mg/l	< 0.00005	< 0.00005	0.0	Yes
1-Dec-15	H-16	B151202	EBL	Mercury	µg/L	< 0.02	< 0.02	0.0	Yes
1-Dec-15	H-16	B151202	EBL	Nickel	mg/l	0.00361	0.00114	104.0	No
1-Dec-15	H-16	B151202	EBL	Silver	mg/l	< 0.0010	< 0.0010	0.0	Yes
1-Dec-15	H-16	B151202	EBL	Total Suspended Solids	mg/l	< 1	< 1	0.0	Yes
1-Dec-15	H-16	B151202	EBL	Zinc	mg/l	< 0.001	< 0.001	0.0	Yes
1-Dec-15	M-05	B151203	SES	Trichloroethylene	µg/L	< 0.16	< 0.16	0.0	Yes
1-Dec-15	M-05	B151203	SES	Tetrachloroethylene	µg/L	< 0.22	< 0.22	0.0	Yes

*Laboratory Acronyms

EBL = Environmental Bioassay Laboratory

SES – Shealy Environmental Services

CSWTF – Central Sanitary Wastewater Treatment Facility

Table 46 NPDES Duplicate Sample Results

Outfall Locations and Sample Dates where there was no flow

NPDES Site	Sample Date
D-01	1-Apr-15
D-01B	1-Apr-15
D-01C	1-Apr-15
K-06	23-Apr-15
F-01	13-May-15
F-02	10-Jun-15
F-05	10-Jun-15
D-01	1-Oct-15
D-01B	1-Oct-15
D-01C	1-Oct-15
K-06	19-Oct-15
F-01	17-Nov-15
F-02	17-Dec-15

Table 46 NPDES Duplicate Sample Results (continued)
Analytical Results for Flowing Outfalls

NPDES Site	Sample Date	Laboratory	Parameter	Units	Outfall Value	Duplicate Value	Relative Percent Difference	Relative Percent Difference (≤ 20 %)
D-02	5-Jan-15	EBL	Copper	mg/l	0.00181	0.00138	27.0	No
D-02	5-Jan-15	EBL	Nickel	mg/l	< 0.001	< 0.001	0.0	Yes
D-02	5-Jan-15	SES	Oil & Grease	mg/l	< 3.4	21	144.3	No
D-02	12-Jan-15	SES	Oil & Grease	mg/l	< 3.6	< 3.6	0.0	Yes
D-02	5-Jan-15	EBL	Total Suspended Solids	mg/l	22	16	31.6	No
D-02	5-Jan-15	EBL	Zinc	mg/l	0.0154	0.0127	19.2	Yes
H-16	7-Jan-15	CSWTF	Biochemical Oxygen Demand	mg/L	< 2	< 2	0.0	Yes
H-16	7-Jan-15	EBL	Cadmium	mg/L	< 0.000050	0.000072	36.1	No
H-16	7-Jan-15	EBL	Chromium	mg/L	< 0.001	< 0.001	0.0	Yes
H-16	7-Jan-15	EBL	Copper	mg/L	< 0.001	< 0.001	0.0	Yes
H-16	7-Jan-15	EBL	Lead	mg/L	< 0.000050	0.000054	7.7	Yes
H-16	7-Jan-15	EBL	Mercury	µg/L	0.000027	< 0.000020	29.8	No
H-16	7-Jan-15	EBL	Nickel	mg/L	< 0.001	< 0.001	0.0	Yes
H-16	7-Jan-15	EBL	Silver	mg/L	< 0.001	< 0.001	0.0	Yes
H-16	7-Jan-15	EBL	Total Suspended Solids	mg/L	< 1	< 1	0.0	Yes
H-16	7-Jan-15	EBL	Zinc	mg/L	0.00577	0.00511	12.1	Yes
A-01	21-Jan-15	CSWTF	Biochemical Oxygen Demand	mg/L	< 2	< 2	0.0	Yes
A-01	21-Jan-15	EBL	Iron	mg/L	0.1224	0.1212	1.0	Yes
A-01	20-Jan-15	SES	Oil & Grease	mg/L	< 3.4	< 3.2	6.1	Yes
A-01	21-Jan-15	EBL	Total Suspended Solids	mg/L	2	1	66.7	No
F-08	22-Jan-15	EBL	Lead	mg/L	0.000343	0.000281	19.9	Yes
F-08	22-Jan-15	EBL	Zinc	mg/L	0.0852	0.0829	2.7	Yes
A-11	9-Feb-15	SES	Low Level Mercury	ng/L	1.32	1.13	15.5	Yes
H-02	12-Feb-15	EBL	Copper	mg/L	0.0105	0.0100	4.9	Yes
H-02	12-Feb-15	EBL	Lead	mg/L	0.000685	0.000658	4.0	Yes

NPDES Site	Sample Date	Laboratory	Parameter	Units	Outfall Value	Duplicate Value	Relative Percent Difference	Relative Percent Difference ($\leq 20\%$)
H-02	12-Feb-15	EBL	Zinc	mg/L	0.0155	0.0146	6.0	Yes
A-1A	17-Feb-15	SES	Trichloroethylene	µg/L	< 0.18	< 0.18	0.0	Yes
A-1A	17-Feb-15	SES	Tetrachloroethylene	µg/L	< 0.13	< 0.13	0.0	Yes
H-16	2-Mar-15	CSWTF	Biochemical Oxygen Demand	mg/L	< 2	< 2	0.0	Yes
H-16	2-Mar-15	EBL	Cadmium	mg/L	< 0.00005	< 0.00005	0.0	Yes
H-16	2-Mar-15	EBL	Chromium	mg/L	0.000485	< 0.000200	83.2	No
H-16	2-Mar-15	EBL	Copper	mg/L	< 0.0001	< 0.0001	0.0	Yes
H-16	2-Mar-15	EBL	Lead	mg/L	< 0.00005	< 0.00005	0.0	Yes
H-16	2-Mar-15	EBL	Mercury	µg/L	< 0.02	< 0.02	0.0	Yes
H-16	2-Mar-15	EBL	Nickel	mg/L	0.00025	< 0.00010	85.7	No
H-16	2-Mar-15	EBL	Silver	mg/L	< 0.00005	< 0.00005	0.0	Yes
H-16	2-Mar-15	EBL	Total Suspended Solids	mg/L	< 1	< 1	0.0	Yes
H-16	2-Mar-15	EBL	Zinc	mg/L	0.00414	0.00440	6.1	Yes
A-11	9-Mar-15	SES	Low Level Mercury	ng/L	1.64	1.74	5.9	Yes
A-11	10-Mar-15	CSWTF	Biochemical Oxygen Demand	mg/L	< 2	< 2	0.0	Yes
A-11	10-Mar-15	EBL	Total Suspended Solids	mg/L	< 1	< 1	0.0	Yes
H-12	11-Mar-15	EBL	Copper	mg/L	0.0067	0.0067	0.0	Yes
H-12	11-Mar-15	EBL	Zinc	mg/L	0.0211	0.0214	1.4	Yes
A-11	6-Apr-15	SES	Low Level Mercury	ng/L	1.7	1.4	19.4	Yes
H-07	28-Apr-15	EBL	Total Suspended Solids	mg/L	4	4	0.0	Yes
K-18	27-Apr-15	EBL	pH	SU	6.5	6.5	0.0	Yes
K-18	28-Apr-15	EBL	Total Suspended Solids	mg/L	1	1	0.0	Yes
L-07	27-Apr-15	EBL	pH	SU	6.7	6.7	0.0	Yes
L-07	28-Apr-15	EBL	Total Suspended Solids	mg/L	1	1	0.0	Yes
A-11	5-May-15	SES	Low Level Mercury	ng/L	1.69	1.96	14.8	Yes
H-16	4-May-15	CSWTF	Biochemical Oxygen Demand	mg/L	< 2	< 2	0.0	Yes
H-16	4-May-15	EBL	Cadmium	mg/L	< 0.00005	< 0.00005	0.0	Yes
H-16	4-May-15	EBL	Chromium	mg/L	0.0017	0.0273	176.6	No
H-16	4-May-15	EBL	Copper	mg/L	< 0.001	< 0.001	0.0	Yes

NPDES Site	Sample Date	Laboratory	Parameter	Units	Outfall Value	Duplicate Value	Relative Percent Difference	Relative Percent Difference ($\leq 20\%$)
H-16	4-May-15	EBL	Lead	mg/L	< 0.00005	< 0.00005	0.0	Yes
H-16	4-May-15	EBL	Mercury	µg/L	< 0.02	< 0.02	0.0	Yes
H-16	4-May-15	EBL	Nickel	mg/L	< 0.001	< 0.001	0.0	Yes
H-16	4-May-15	EBL	Silver	mg/L	< 0.001	< 0.001	0.0	Yes
H-16	4-May-15	EBL	Total Suspended Solids	mg/L	< 1	< 1	0.0	Yes
H-16	4-May-15	EBL	Zinc	mg/L	< 0.001	< 0.001	0.0	Yes
M-05	4-May-15	SES	Trichloroethylene	µg/L	< 0.18	< 0.18	0.0	Yes
M-05	4-May-15	SES	Tetrachloroethylene	µg/L	< 0.13	< 0.13	0.0	Yes
A-11	1-Jun-15	SES	Low Level Mercury	ng/L	1.35	1.33	1.5	Yes
A-01	7-Jul-15	CSWTF	Biochemical Oxygen Demand	mg/L	< 2	< 2	0.0	Yes
A-01	7-Jul-15	EBL	Iron	mg/L	0.5400	0.5590	3.5	Yes
A-01	6-Jul-15	SES	Oil & Grease	mg/L	< 3.3	< 3.5	5.9	Yes
A-01	7-Jul-15	EBL	Total Suspended Solids	mg/L	3	3	0.0	Yes
A-11	9-Jul-15	SES	Low Level Mercury	ng/L	23.1	22.4	3.1	Yes
H-16	13-Jul-15	CSWTF	Biochemical Oxygen Demand	mg/L	< 2	< 2	0.0	Yes
H-16	6-Jul-15	EBL	Cadmium	mg/L	< 0.00005	< 0.00005	0.0	Yes
H-16	6-Jul-15	EBL	Chromium	mg/L	< 0.001	< 0.001	0.0	Yes
H-16	6-Jul-15	EBL	Copper	mg/L	< 0.001	< 0.001	0.0	Yes
H-16	6-Jul-15	EBL	Lead	mg/L	< 0.0001	< 0.0001	0.0	Yes
H-16	6-Jul-15	EBL	Mercury	µg/L	< 0.02	< 0.02	0.0	Yes
H-16	6-Jul-15	EBL	Nickel	mg/L	< 0.001	< 0.001	0.0	Yes
H-16	6-Jul-15	EBL	Silver	mg/L	< 0.001	< 0.001	0.0	Yes
H-16	13-Jul-15	EBL	Total Suspended Solids	mg/L	< 1	< 1	0.0	Yes
H-16	6-Jul-15	EBL	Zinc	mg/L	0.00492	0.00398	21.1	No
F-08	15-Jul-15	EBL	Lead	mg/L	0.000712	0.000785	9.8	Yes
F-08	15-Jul-15	EBL	Zinc	mg/L	0.0383	0.0412	7.3	Yes
A-1A	6-Aug-15	SES	Trichloroethylene	µg/L	< 0.16	< 0.16	0.0	Yes
A-1A	6-Aug-15	SES	Tetrachloroethylene	µg/L	< 0.22	< 0.22	0.0	Yes
A-11	5-Aug-15	SES	Low Level Mercury	ng/L	3.83	3.87	1.0	Yes

NPDES Site	Sample Date	Laboratory	Parameter	Units	Outfall Value	Duplicate Value	Relative Percent Difference	Relative Percent Difference ($\leq 20\%$)
H-02	11-Aug-15	EBL	Copper	mg/l	0.00274	0.00329	18.2	Yes
H-02	11-Aug-15	EBL	Lead	mg/l	0.000130	0.000143	9.5	Yes
H-02	11-Aug-15	EBL	Zinc	mg/l	< 0.001	< 0.001	0.0	Yes
A-11	1-Sep-15	SES	Low Level Mercury	ng/L	2.71	2.41	11.7	Yes
A-11	2-Sep-15	CSWTF	Biochemical Oxygen Demand	mg/L	< 2	< 2	0.0	Yes
A-11	2-Sep-15	EBL	Total Suspended Solids	mg/L	< 1	< 1	0.0	Yes
H-12	22-Sep-15	EBL	Copper	mg/L	0.00717	0.00725	1.1	Yes
H-12	22-Sep-15	EBL	Zinc	mg/L	0.0380	0.0390	2.6	Yes
H-16	1-Sep-15	CSWTF	Biochemical Oxygen Demand	mg/L	< 2	< 2	0.0	Yes
H-16	8-Sep-15	EBL	Cadmium	mg/L	< 0.00005	< 0.00005	0.0	Yes
H-16	8-Sep-15	EBL	Chromium	mg/L	< 0.001	< 0.001	0.0	Yes
H-16	8-Sep-15	EBL	Copper	mg/L	< 0.001	< 0.001	0.0	Yes
H-16	8-Sep-15	EBL	Lead	mg/L	< 0.00005	< 0.00005	0.0	Yes
H-16	8-Sep-15	EBL	Mercury	µg/L	< 0.02	< 0.02	0.0	Yes
H-16	8-Sep-15	EBL	Nickel	mg/L	< 0.001	< 0.001	0.0	Yes
H-16	8-Sep-15	EBL	Silver	mg/L	< 0.001	< 0.001	0.0	Yes
H-16	8-Sep-15	EBL	Total Suspended Solids	mg/L	< 1	< 1	0.0	Yes
H-16	8-Sep-15	EBL	Zinc	mg/L	< 0.001	< 0.001	0.0	Yes
A-11	21-Oct-15	SES	Low Level Mercury	ng/L	10.4	11.0	5.6	Yes
A-11	16-Nov-15	SES	Low Level Mercury	ng/L	8.97	9.31	3.7	Yes
M-05	10-Nov-15	SES	Trichloroethylene	µg/L	< 0.16	< 0.16	0.0	Yes
M-05	10-Nov-15	SES	Tetrachloroethylene	µg/L	< 0.22	< 0.22	0.0	Yes
H-16	9-Nov-15	CSWTF	Biochemical Oxygen Demand	mg/L	< 2	< 2	0.0	Yes
H-16	9-Nov-15	EBL	Cadmium	mg/L	< 0.00005	< 0.00005	0.0	Yes
H-16	9-Nov-15	EBL	Chromium	mg/L	< 0.001	< 0.001	0.0	Yes
H-16	9-Nov-15	EBL	Copper	mg/L	< 0.001	< 0.001	0.0	Yes
H-16	9-Nov-15	EBL	Lead	mg/L	0.000055	< 0.000050	9.5	Yes
H-16	9-Nov-15	EBL	Mercury	µg/L	< 0.02	< 0.02	0.0	Yes
H-16	9-Nov-15	EBL	Nickel	mg/L	< 0.001	< 0.001	0.0	Yes
H-16	9-Nov-15	EBL	Silver	mg/L	< 0.001	< 0.001	0.0	Yes

NPDES Site	Sample Date	Laboratory	Parameter	Units	Outfall Value	Duplicate Value	Relative Percent Difference	Relative Percent Difference ($\leq 20\%$)
H-16	9-Nov-15	EBL	Total Suspended Solids	mg/L	< 1	< 1	0.0	Yes
H-16	9-Nov-15	EBL	Zinc	mg/L	< 0.001	< 0.001	0.0	Yes
A-11	1-Dec-15	SES	Low Level Mercury	ng/L	2.83	2.77	2.1	Yes

Table 47 Summary of SRS Stream Water Quality Duplicate Sample Results Detected
 Reported parameters are those where both results were detected (this includes estimated values).

Date	Location	Analyte	Units	Result	Dup. Result	Percent Difference
Jan-15	FMC-2	Nitrate-Nitrogen	mg/L	0.027	0.032	16.9
		Phosphorus	mg/L	0.034	0.05	38.1
		Total Organic Carbon	mg/L	4.2	4.3	2.4
		Aluminum	ug/L	231	221	4.4
		Iron	ug/L	864	879	1.7
		Manganese	ug/L	54.7	55.7	1.8
		Total Suspended Solids	mg/L	6	6	0.0
Feb-15	FM-2B	Hardness (total)	mg/L	11	14	24.0
		Nitrate-Nitrogen	mg/L	0.048	0.042	13.3
		Phosphorus	mg/L	0.023	0.024	4.3
		Total Organic Carbon	mg/L	4.8	5.9	20.6
		Aluminum	ug/L	206	203	1.5
		Iron	ug/L	954	908	4.9
		Manganese	ug/L	32.8	30.7	6.6
		Total Suspended Solids	mg/L	3	5	50.0
Mar-15	FM-6	Hardness (total)	mg/L	12	13	8.0
		Nitrate-Nitrogen	mg/L	0.63	0.59	6.6
		Phosphorus	mg/L	0.1	0.11	9.5
		Total Organic Carbon	mg/L	4.1	4	2.5
		Iron	ug/L	879	884	0.6
		Manganese	ug/L	47.6	47.8	0.4
		Total Suspended Solids	mg/L	3	2	40.0
15-Apr	L3R-2	Hardness (total)	mg/L	33	32	3.1
		Nitrate-Nitrogen	mg/L	0.03	0.033	9.5
		Nitrite-Nitrogen	mg/L	0.027	0.025	7.7
		Phosphorus	mg/L	0.018	0.078	125.0
		Total Organic Carbon	mg/L	9.5	9.4	1.1
		Iron	ug/L	938	913	2.7
		Manganese	ug/L	113	109	3.6
		Total Suspended Solids	mg/L	4	4	0.0

**Table 47 Summary of SRS Stream and Savannah River Water Quality Duplicate Sample Results Detected
(continued)**

Date	Location	Analyte	Units	Result	Dup. Result	Percent Difference
May-15	PB-3	Hardness (total)	mg/L	27	27	0.0
		Nitrate-Nitrogen	mg/L	0.061	0.073	17.9
		Phosphorus	mg/L	0.046	0.047	2.2
		Total Organic Carbon	mg/L	3.8	3.9	2.6
		Aluminum	ug/L	207	232	11.4
		Iron	ug/L	986	1010	2.4
		Manganese	ug/L	63	61.7	2.1
		Total Suspended Solids	mg/L	7	8	13.3
Jun-15	SC-4	Hardness (total)	mg/L	21	23	9.1
		Nitrate-Nitrogen	mg/L	0.045	0.046	2.2
		Phosphorus	mg/L	0.084	0.08	4.9
		Total Organic Carbon	mg/L	5	4.7	6.2
		Iron	ug/L	506	514	1.6
		Manganese	ug/L	45.7	46.5	1.7
		Total Suspended Solids	mg/L	14	11	24.0
Jul-15	TB-5	Phosphorus	mg/L	0.12	0.15	22.2
		Total Organic Carbon	mg/L	5.2	5	3.9
		Iron	ug/L	5760	5630	2.3
		Manganese	ug/L	523	497	5.1
		Total Suspended Solids	mg/L	19	17	11.1
Aug-15	TC-1	Phosphorus	mg/L	0.091	0.092	1.1
		Total Organic Carbon	mg/L	9.5	9.4	1.1
		Iron	ug/L	883	907	2.7
		Manganese	ug/L	30.7	32.4	5.4
		Total Suspended Solids	mg/L	5	6	18.2
Sep-15	U3R-1A	Phosphorus	mg/L	0.022	0.022	0.0
		Total Organic Carbon	mg/L	3.7	3.7	0.0
		Iron	ug/L	459	458	0.2
		Manganese	ug/L	10.8	10.6	1.9
		Total Suspended Solids	mg/L	4	5	22.2

**Table 47 Summary of SRS Stream and Savannah River Water Quality Duplicate Sample Results Detected
(continued)**

Date	Location	Analyte	Units	Result	Dup. Result	Percent Difference
Oct-15	U3R-4	Nitrate-Nitrogen	mg/L	0.07	0.066	5.9
		Phosphorus	mg/L	0.032	0.034	6.1
		Total Organic Carbon	mg/L	14	13	7.4
		Aluminum	ug/L	337	361	6.9
		Iron	ug/L	859	925	7.4
		Manganese	ug/L	47.7	50.9	6.5
		Zinc	ug/L	21.4	<u>24.2</u>	12.3
		Total Suspended Solids	mg/L	3	3	0.0
Nov-15	FM-2B	Phosphorus	mg/L	0.099	0.067	38.6
		Total Organic Carbon	mg/L	9.4	8.8	6.6
		Iron	ug/L	1330	1210	9.4
		Manganese	ug/L	29.1	26.6	9.0
		Total Suspended Solids	mg/L	5	5	0.0
Dec-15	FMC-2	Nitrate-Nitrogen	mg/L	0.45	0.45	0.0
		Phosphorus	mg/L	0.04	0.046	14.0
		Total Organic Carbon	mg/L	7.9	8	1.3
		Aluminum	ug/L	330	369	11.2
		Iron	ug/L	1230	1200	2.5
		Manganese	ug/L	59.3	58.9	0.7
		Zinc	ug/L	41.5	47.3	13.1
		Total Suspended Solids	mg/L	5	6	18.2

Notes: All results for beryllium, cadmium, chromium, copper, lead, mercury, nickel, thallium, pesticides and herbicides were non-detects and are not included in this table.

Table 48 Summary of Savannah River Water Quality Duplicate Sample Results Detected
Reported parameters are those where both results were detected (this includes estimated values).

Date	Location	Analyte	Units	Result	Dup. Result	Percent Difference
Jan-15	RM-118.8	Hardness (total)	mg/L	21	21	0.0
		Nitrate-Nitrogen	mg/L	0.16	0.15	6.5
		Phosphorus	mg/L	0.091	0.088	3.4
		Total Organic Carbon	mg/L	3.6	3.5	2.8
		Aluminum	ug/L	278	256	8.2
		Iron	ug/L	634	638	0.6
		Manganese	ug/L	74.6	77.5	3.8
		Total Suspended Solids	mg/L	5	6	18.2
Feb-15	RM 129.1	Hardness (total)	mg/L	35	35	0.0
		Nitrate-Nitrogen	mg/L	0.04	0.036	10.5
		Phosphorus	mg/L	0.037	0.035	5.6
		Total Organic Carbon	mg/L	6.7	6.6	1.5
		Iron	ug/L	706	622	12.7
		Manganese	ug/L	217	38.6	139.6
		Total Suspended Solids	mg/L	5	4	22.2
Mar-15	RM 141.5	Hardness (total)	mg/L	18	19	5.4
		Nitrate-Nitrogen	mg/L	0.19	0.16	17.1
		Phosphorus	mg/L	0.16	0.14	13.3
		Total Organic Carbon	mg/L	3.1	3.3	6.2
		Aluminum	ug/L	313	303	3.2
		Iron	ug/L	563	559	0.7
		Manganese	ug/L	60.9	59.9	1.7
		Total Suspended Solids	mg/L	5	5	0.0
Apr-15	RM 150.4	Hardness (total)	mg/L	22	21	4.7
		Nitrate-Nitrogen	mg/L	0.15	0.16	6.5
		Nitrite-Nitrogen	mg/L	0.023	0.023	0.0
		Phosphorus	mg/L	0.15	0.14	6.9
		Total Organic Carbon	mg/L	4.4	4.2	4.7
		Iron	ug/L	663	646	2.6
		Manganese	ug/L	88.4	80.9	8.9
		Zinc	ug/L	25.1	20.9	18.3
		Total Suspended Solids	mg/L	7	8	13.3

Table 48 Summary of Savannah River Water Quality Duplicate Sample Results Detected (continued)

Date	Location	Analyte	Units	Result	Dup. Result	Percent Difference
May-15	RM 160	Hardness (total)	mg/L	17	17	0.0
		Nitrate-Nitrogen	mg/L	0.13	0.13	0.0
		Phosphorus	mg/L	0.076	0.076	0.0
		Total Organic Carbon	mg/L	3	2.9	3.4
		Iron	ug/L	292	258	12.4
		Manganese	ug/L	62.7	55.7	11.8
		Total Suspended Solids	mg/L	2	3	40.0
Jun-15	RM 118	Hardness (total)	mg/L	20	20	0.0
		Nitrate-Nitrogen	mg/L	0.18	0.17	5.7
		Phosphorus	mg/L	0.17	0.14	19.4
		Total Organic Carbon	mg/L	7.4	6.9	7.0
		Aluminum	ug/L	589	740	22.7
		Iron	ug/L	1150	1250	8.3
		Manganese	ug/L	144	153	6.1
		Total Suspended Solids	mg/L	25	22	12.8
Jul-15	RM 129.1	Hardness (total)	mg/L	41	39	5.0
		Nitrate-Nitrogen	mg/L	0.63	0.23	93.0
		Phosphorus	mg/L	0.041	0.039	5.0
		Total Organic Carbon	mg/L	5.1	5.1	0.0
		Iron	ug/L	600	615	2.5
		Manganese	ug/L	46.2	49.7	7.3
		Total Suspended Solids	mg/L	3	4	28.6
Aug-15	RM 141.5	Hardness (total)	mg/L	18	17	5.7
		Nitrate-Nitrogen	mg/L	0.14	0.14	0.0
		Phosphorus	mg/L	0.082	0.078	5.0
		Total Organic Carbon	mg/L	3.2	3.1	3.2
		Iron	ug/L	241	236	2.1
		Manganese	ug/L	50.9	48.1	5.7
		Total Suspended Solids	mg/L	5	5	0.0
Sep-15	RM 150.4	Hardness (total)	mg/L	21	21	0.0
		Nitrate-Nitrogen	mg/L	0.13	0.13	0.0
		Phosphorus	mg/L	0.1	0.11	9.5
		Total Organic Carbon	mg/L	4.3	5.5	24.5
		Iron	ug/L	350	358	2.3
		Manganese	ug/L	63.4	64	0.9
		Total Suspended Solids	mg/L	10	9	10.5

Table 48 Summary of Savannah River Water Quality Duplicate Sample Results Detected (continued)

Date	Location	Analyte	Units	Result	Dup. Result	Percent Difference
Oct-15	RM 129.1	Nitrate-Nitrogen	mg/L	0.17	0.15	12.5
		Phosphorus	mg/L	0.087	0.09	3.4
		Total Organic Carbon	mg/L	5.6	5.6	0.0
		Aluminum	ug/L	482	531	9.7
		Iron	ug/L	937	970	3.5
		Manganese	ug/L	139	143	2.8
		Total Suspended Solids	mg/L	12	16	28.6
Nov-15	RM 118.8	Hardness (total)	mg/L	18	17	5.7
		Nitrate-Nitrogen	mg/L	0.078	0.11	34.0
		Phosphorus	mg/L	0.1	0.11	9.5
		Total Organic Carbon	mg/L	5	5.4	7.7
		Aluminum	ug/L	286	229	22.1
		Iron	ug/L	684	617	10.3
		Manganese	ug/L	153	135	12.5
		Total Suspended Solids	mg/L	13	13	0.0
Dec-15	RM 160	Nitrate-Nitrogen	mg/L	0.27	0.24	11.8
		Phosphorus	mg/L	0.11	0.12	8.7
		Total Organic Carbon	mg/L	5	4.9	2.0
		Aluminum	ug/L	208	223	7.0
		Iron	ug/L	516	510	1.2
		Manganese	ug/L	159	158	0.6
		Total Suspended Solids	mg/L	5	5	0.0

Notes: All results for beryllium, cadmium, chromium, copper, lead, mercury, nickel, thallium, pesticides and herbicides were non-detects and are not included in this table.