COMMONWEALTH OF VIRGINIA DEPARTMENT OF HEALTH

OFFICE OF RADIOLOGICAL HEALTH

109 Governor Street, 7th Floor, Richmond, Virginia 23219 Office (804) 864-8150 Fax (804) 864-8175

ENVIRONMENTAL RADIATION MONITORING PROGRAM

2015 ANNUAL REPORT



ACKNOWLEDGEMENTS

The Office of Radiological Health acknowledges the following organizations and agencies that provide assistance to the Radiological Environmental Monitoring Program:

- Babcock & Wilcox
- Department of Agriculture and Consumer Services
 - o Office of Dairy and Foods
- Department of Conservation and Recreation
 - Division of State Parks
- Department of Emergency Management
 - o Preparedness Division
 - o Recovery and Mitigation Division
- Department of General Services
 - Division of Consolidated Laboratory Services (DCLS)
- Dominion Virginia Power
- Newport News Shipbuilding
- Norfolk Naval Shipyard

PREFACE

The Office of Radiological Health (ORH) conducts an extensive environmental monitoring program in order to characterize radiological conditions around certain fixed nuclear facilities in the Commonwealth of Virginia. This program provides an independent assessment of each facility's compliance with applicable federal and state regulations as they related to offsite release limits. Each of these fixed nuclear facilities has its own routine surveillance program. The objectives of ORH's environmental monitoring program include:

- a) Providing information useful in assessing the adequacy of programs designed to protect the public;
- b) Meeting the requirements of regulatory agencies;
- c) Verifying radionuclide containment and plant waste management practices;
- d) Meeting legal liability obligations; and
- e) Providing public assurance and acceptance (NCRP, 1976)*.

In addition to these stated objectives, ORH has identified other objectives such as;

- a) Maintenance of a database containing background radionuclide levels and trends to assist with the assessment of other environmental data;
- b) Identification of radiological releases not associated with the licensed facility; and
- c) Maintenance of equipment and procedures used in emergency preparedness and response activities.

This report is distributed to the licensee, as well as state and local agencies, which have a direct interest in the results. This report is available for download at:

http://www.vdh.virginia.gov/epidemiology/radiologicalhealth/Environmental/

Readers are invited to submit any comments or questions regarding this report to the Office of Radiological Health.

^{*}NCRP (2006) National Council on Radiation Protection and Measurements, *Environmental Radiation Measurements* (1976) - Report No. 050, National Council on Radiation Protection and Measurements, Washington.

VIRGINIA DEPARTMENT OF HEALTH ENVIRONMENTAL RADIATION SURVEILLANCE DATA ANNUAL REPORT 2015

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SAMPLING PROGRAM

AIR PARTICULATE AND RADIOGAS

Stationary air samplers are utilized at the Surry and North Anna Power Stations. In addition, a third stationary air sampler is located at Pocahontas State Park which serves as a control site. Pumps run approximately 168 hours per week at an average flow rate of 115 cubic feet per hour. All samplers are continuously equipped with a charcoal filter and an air particulate filter which are analyzed weekly for gross beta and gamma activity with special emphasis on lodine-131 retention. All stations, except the control site, are collocated with utility air samplers.

There is one air sampler located onsite at Babcock & Wilcox Technologies. This air pump is equipped with air particulate filters and runs approximately 168 hours per week with an average flow rate of 70 cubic feet per hour. Samples from this location are obtained quarterly and undergo gross alpha analysis

FISH

Fish samples are collected biannually in Lake Anna near the North Anna Power Station and from the discharge canal at Surry Power Station. Each sample consists of approximately one kilogram of flesh from a variety of fish species. All fish samples are counted for gamma activity with data based on wet weight.

MILK

Raw milk samples are collected quarterly from a dairy near each power station. Each sample consists of one gallon of raw milk with no preservatives added. Raw milk is a primary indicator of radioiodine incorporation in the food chain. Samples are analyzed for gamma activity and Strontium-89 & 90. Milk samples are further radiochemically separated for Iodine-131.

SHELLFISH

Shellfish are indicators of incorporation of radioactivity in the food chain. Selected species are collected as a part of the environmental surveillance program around Surry Power Station (SPS). Samples consist of one kilogram of flesh and are collected annually approximately 0.5 mile off the mouth of the SPS discharge canal in the James River. All shellfish samples are counted for gamma activity with data based on activity per unit of wet weight.

SILT

Silt is an indicator of radioactive deposition in sediment. Samples are collected biannually next to the Waste Treatment Building at North Anna Power Station and from the discharge canal at Surry Power Station. Silt is also collected quarterly at the Norfolk Naval Shipyard on the Elizabeth River and at Newport News Shipbuilding on the James River. Silt samples are counted for gross alpha and/or beta activity depending on collection location. Selected silt samples are further analyzed for gamma activity. Data is based on activity per unit of dry weight.

SOIL

Two soil samples are collected annually at the Babcock & Wilcox facility. Samples are collected from a ball field on the facility's eastern boundary and from Riverside Park. Samples obtained undergo alpha analysis.

VEGETATION

Green leafy vegetation can serve as an indicator of incorporation of radioactivity in the food chain. Samples are collected biannually from home gardens or small farms located near each nuclear power station. Samples typically consist of approximately one kilogram of a broad leaf plant species such as kale, cabbage or turnip greens. When leafy vegetation is unavailable, tall grass or similar plants may be substituted. Vegetation is counted for gamma activity with data based on activity per unit wet weight.

In addition to vegetation collected near each nuclear power station, samples are collected annually from two sites at Babcock & Wilcox. Samples consist of approximately one kilogram of grass or a broad leaf plant species collected from the ball field at the eastern site boundary and from Riverside Park. These samples undergo alpha analysis.

SURFACE WATER

Surface water is collected weekly near the discharge point at each nuclear power facility. Automatic sampling units designed to pull three aliquots of water per day operate continuously throughout the week. All water collected is composited and tested to provide data on radioactive effluents. In addition to the samples collected near the power stations, control sites on Lake Anna and the James River are also tested on a weekly basis.

Surface water is also collected quarterly on the James River at Newport News Shipbuilding (NNSB) and on the Elizabeth River at the Norfolk Naval Shipyard (NNSY) to ensure that operations at these facilities result in minimal radioactive effluents.

Two surface water samples are collected annually from the James River at Babcock & Wilcox. Samples are collected from the ball field at the eastern site boundary and from Riverside Park. Samples undergo uranium separation followed by alpha counting.

AMBIENT GAMMA EXPOSURE

Ambient gamma exposure readings are collected using optically stimulated luminescence dosimeters (OSL) located strategically around each power station. There are a total of twelve OSL sample locations at North Anna Power Station and fourteen sites at Surry Power Station. One control OSL station is located at Pocahontas State Park. The OSL's are processed quarterly for net exposure by ORH staff using a Landauer microStar system. This analysis results in a millirem/quarter reading.

REPORTING PENDING SAMPLE ANALYSIS RESULTS

When sample data fields in this report indicate that results have not yet been performed or reported by DCLS at the time of report publication, then the report will be updated once those results are made available.

Sources of Radioactivity in the Environment

Naturally occurring or background radioactivity is found virtually everywhere within the environment. The decay of primordial terrestrial sources, such as uranium and thorium, is one contributing factor to this background radioactivity. Other sources are continually produced in our upper atmosphere through the interaction of atoms with cosmic rays.

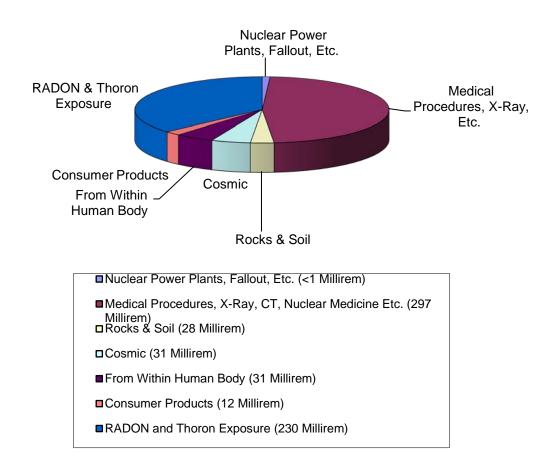
Environmental radiation levels are also influenced by human practices. The use of radioactive materials in the healing arts, uranium mining and milling operations, and nuclear power generation all are potentially contributing factors. In addition, background radiation levels were altered by residual fallout from nuclear weapons testing. The United States ceased atmospheric testing following adoption of the 1963 Nuclear Test Ban Treaty. Only long-lived fallout radionuclides currently remain.

Dose to the Public

The primary source of natural radiation dose received by the general public is due to radon exposure (see Figure 1 next page). The average individual receives approximately 230 millirem/year from radon and less than 1 millirem/year from nuclear facilities; another 81 millirem/year are received from natural sources and approximately 297 mrem/year from medical procedures. The total average whole body dose nationwide is approximately 620 mrem/year.

Inherent in all standards for radiation control is the philosophy of limiting exposure to levels. This principle is termed "AS LOW AS REASONABLY ACHIEVABLE" (ALARA). In practice, this philosophy continues to result in very low average doses to the public from the nuclear facilities cited earlier. The environmental monitoring program maintained by the Office of Radiological Health continues to verify compliance to these standards.

FIGURE 1: Sources of Radiation Exposure



Source: National Council on Radiation Protection & Measurement; Estimated Annual Dose of 620 Millirem for an average person in the U.S.A.

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Sampling Locations

Sampling Locations for Surry Nuclear Power Station



Photo courtesy of Dominion Power

LOCATION	TYPE	FREQUENCY
Milk		
M-66 Surry County - W.B. Epps Dairy	Raw	Quarterly
A 20 Surry Dower Station	Air Particulate	Wookhy
A-20 Surry Power Station A-44 Jamestown State Park - Historical Site	Air Particulate	Weekly Weekly
Charcoal Filter		
C-20 Surry Power Station	Release Gas	Weekly
C-44 Jamestown State Park - Historical Site	Release Gas	Weekly
<u>Dosimeters</u>		
D-20 Surry Power Station	Gamma in Air	Quarterly
D-41 Surry Lebanon Baptist Church	Gamma in Air	Quarterly
D-42 Surry County - Lawnes Creek	Gamma in Air	Quarterly
D-43 Surry County - Route 628	Gamma in Air	Quarterly
D-44 Jamestown State Park - Historical Site	Gamma in Air	Quarterly
D-45 Newport News - Lee Hall	Gamma in Air	Quarterly
D-73 Naval Weapons Station - Enlisted Quarters	Gamma in Air	Quarterly
D-76 Newport News - Fort Eustis	Gamma in Air	Quarterly
D-77 Williamsburg - Busch Gardens	Gamma in Air	Quarterly
D-78 Williamsburg - Williamsburg Airport	Gamma in Air	Quarterly
D-79 Surry County - Scotland Wharf	Gamma in Air	Quarterly
D-80 Surry County - Bacon's Castle	Gamma in Air	Quarterly
D-81 Surry County – Alliance	Gamma in Air	Quarterly
D-82 Surry County - Hog Point	Gamma in Air	Quarterly
Silt C. 47 James Bires 49Mile Off Birelesses Const.	Cile	200 000 0000
S-17 James River - 1/2 Mile Off Discharge Canal	Silt	2x per year
F-17 James River - 1/2 Mile Off Discharge Canal	Edible Fish	2x per year
R-17 James River – Various Locations	Shellfish	Annually
Surface Water		
W-19 Surry Discharge Canal	Surface Water	Weekly
W-79 James River – Scotland Wharf *	Surface Water	Weekly
W-79A James River – Robious Landing	Surface Water	Weekly
Vegetation Vegetation	Edible Vegetation	2v por voor
V-96D Surry County - local farms As of 5/22/15, sampling location was moved to	Edible Vegetation o W-79A.	2x per year

Sampling Locations for North Anna Nuclear Power Station



Photo courtesy of Dominion Power

LOCATION	TYPE	FREQUENCY
Milk		
M-29 Louisa County - Lakeside Dairy	Raw	Quarterly
<u>Air</u>		
A-88 Louisa County Route 700/North Anna	A's Desile Lete	144 L I
Power Station	Air Particulate	Weekly
A-86 Louisa County – Bumpass Volunteer Fire	Air Particulate	Weekly
Charcoal Filter C-88 Louisa County Route 700/North Anna		
Power Station	Release Gas	Weekly
C-86 Louisa County – Bumpass Volunteer Fire	Release Gas	Weekly
<u>Dosimeters</u>		
D-35 NAPS	Gamma in Air	Quarterly
D-50 Louisa County – Mineral	Gamma in Air	Quarterly
D-51 Louisa County - Wares Crossroads	Gamma in Air	Quarterly
D-52 Spotsylvania - Good Hope Church	Gamma in Air	Quarterly
D-53 Spotsylvania - Route 614	Gamma in Air	Quarterly
D-54 Louisa County - Frederick's Hall	Gamma in Air	Quarterly
D-84 Louisa County - Route 685	Gamma in Air	Quarterly
D-85 Spotsylvania Co Route 713	Gamma in Air	Quarterly
D-86 Louisa County – Bumpass Volunteer Fire	Gamma in Air	Quarterly
D-87 Spotsylvania Co Levy	Gamma in Air	Quarterly
D-88 Louisa Co Rt. 700 (near station)	Gamma in Air	Quarterly
D-89 Louisa County - Aspen Hill	Gamma in Air	Quarterly
<u>Fish</u>		
F-24 North Anna Lake - Second Cooling Lagoon	Edible Fish	2x per year
Soil		
S-24 NAPS Waste Treatment shoreline soil	Soil	2x per year
Surface Water		
W-27 Lake Anna - Route 522	Surface Water	Weekly
W-33 North Anna Discharge Canal	Surface Water	Weekly
<u>Vegetation</u>		
V-98 Louisa County – local farms	Edible Vegetation	2x per year

Sampling Locations - Babcock & Wilcox

SAMPLE	LOCATION	TYPE	FREQUENCY
<u>AIR</u> A-101	Eastern Site Boundary Ball field	Air Particulate	Quarterly
SURFACE WATER W-101	Eastern Site Boundary Ball field	Surface Water	Annually
W-102A	James River Riverside Park	Surface Water	Annually
<u>SOIL</u> S-101	Eastern Site Boundary Ball field	Soil	Annually
S-102A	James River Riverside Park	Soil	Annually
VEGETATION V-101	Eastern Site Boundary Ball field	Grass	Annually
V-102	James River Riverside Park	Grass	Annually

Other Sampling Locations in Virginia

	LOCATION	TYPE	FREQUENCY
	Air		
	Control/naturally occurring background		
A-40	Pocahontas State Park	Air Particulate	Weekly
	Charcoal Filter		
	Control/naturally occurring background		
C-40	Pocahontas State Park	Air Particulate	Weekly
	Desimators		
	<u>Dosimeters</u> Control/naturally occurring background		
D-40	Pocahontas State Park	Air Gamma	Quarterly
	0.114		
0.45	<u>Silt</u>	0.11	0 - 4-1
S-15	James River - NNSB - Pier 1	Silt	Quarterly
S-16	James River - NNSB- Shipway 11	Silt	Quarterly
S-18	Elizabeth River - NNSY - Drydock #8	Silt	Quarterly
S-19	Elizabeth River - NNSY - Drydock #4	Silt	Quarterly
S-20	Elizabeth River - NNSY - Wet Slip #1	Silt	Quarterly
	Surface Water		
W-15	James River - NNSB- Pier 1	Surface Water	Quarterly
W-16	James River - NNSB- Shipway 11	Surface Water	Quarterly
W-37	Elizabeth River - NNSY - Drydock #8	Surface Water	Quarterly
W-38	Elizabeth River - NNSY - Drydock #4	Surface Water	Quarterly
W-39	Elizabeth River - NNSY - Wet Slip #1	Surface Water	Quarterly
	'		•

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MINIMUM DETECTABLE ACTIVITY "MDA"

Minimum Detectable Activity (MDA), as used in this report, is defined as the lowest level of radioactivity that can be consistently and accurately detected in a given sample.

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Analytical Results

January 1, 2015 through December 31, 2015

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Location: Pocahontas State Park (Control)

		ı	Date			Gross Beta Activity	a
Week #	Station	Start		Stop		pCi/meter	3
1	A-40	12/15/14	-	1/5/15	0.03	+/-	0.004
2	A-40	1/5/15	-	1/12/15	0.06	+/-	0.01
3	A-40	1/12/15	-	1/20/15	0.06	+/-	0.01
4	A-40	1/20/15	-	1/26/15	0.03	+/-	0.01
5	A-40	1/26/15	-	2/2/15	0.04	+/-	0.01
6	A-40	2/2/15	-	2/9/15	0.03	+/-	0.005
7 ¹	A-40	2/9/15	-	2/16/15		+/-	
8 ²	A-40	2/16/15	-	2/23/15		+/-	
9	A-40	2/23/15	-	3/2/15	0.04	+/-	0.006
10	A-40	3/2/15	-	3/9/15	0.05	+/-	0.008
11 ³	A-40	3/9/15	-	3/16/15		+/-	
12	A-40	3/16/15	-	3/23/15	0.02	+/-	0.003
13	A-40	3/23/15	-	3/30/15	0.04	+/-	0.006
14	A-40	3/30/15	-	4/6/15	0.04	+/-	0.007
15	A-40	4/6/15	-	4/13/15	0.03	+/-	0.005
16	A-40	4/13/15	-	4/20/15	0.03	+/-	0.005
17	A-40	4/20/15	-	4/27/15	0.04	+/-	0.007
18	A-40	4/27/15	-	5/4/15	0.07	+/-	0.010
19	A-40	5/4/15	-	5/11/15	0.08	+/-	0.01

 $^{^{\}mbox{\scriptsize 1}}$ Due to holiday and/or winter weather, no samples were collected.

² Due to equipment maintenance, no samples were collected.

³ Due to the deployment of the mobile lab, no samples were collected.

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Location: Pocahontas State Park (Control) - continued

		Ī	Date			Gross Beta Activity	1
Week #	Station	Start		Stop		pCi/meter ³	.
20	A-40	5/11/15	-	5/18/15	0.07	+/-	0.01
21	A-40	5/18/15	-	5/26/15	0.06	+/-	0.01
22	A-40	5/26/15	-	6/1/15	0.06	+/-	0.01
23 ⁴	A-40	6/1/15	-	6/8/15		+/-	
24	A-40	6/8/15	-	6/15/15	0.04	+/-	0.01
25	A-40	6/15/15	-	6/22/15	0.02	+/-	0.001
26 ⁵	A-40	6/22/15	-	6/29/15		+/-	
27	A-40	6/29/15	-	7/6/15	0.01	+/-	0.0004
28	A-40	7/6/15	-	7/13/15	0.01	+/-	0.0008
29	A-40	7/13/15	-	7/20/15	0.02	+/-	0.001
30	A-40	7/20/15	-	7/27/15	0.01	+/-	0.001
31	A-40	7/27/15	-	8/3/15	0.01	+/-	0.001
32 ⁶	A-40	8/3/15	-	8/10/15		+/-	
33	A-40	8/10/15	-	8/17/15	0.01	+/-	0.001
34	A-40	8/17/15	-	8/24/15	0.04	+/-	0.002
35	A-40	8/24/15	-	8/31/15	0.03	+/-	0.002
36	A-40	8/31/15	-	9/8/15	0.02	+/-	0.001
37 ⁷	A-40	9/8/15	-	9/14/15		+/-	

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 $^{^{\}rm 4}$ Due to participation in EPA training, no samples were collected.

⁵ Due to equipment installation and holiday, no samples were collected.

⁶ On 8/10/15, the air sampler at this location was found to be off due to the tripping of the ground fault circuit interrupter after 66 hours of collection time. The sample results are considered invalid.

 $^{^{7}}$ Due to participation in VA HAZMAT Conference, no samples were collected.

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Location: Pocahontas State Park (Control) - continued

		ĺ	Date			Gross Beta Activity	
Week #	Station	Start		Stop		pCi/meter ³	
38	A-40	9/14/15	-	9/21/15	0.02	+/-	0.001
39	A-40	9/21/15	-	9/28/15	0.01	+/-	0.001
40	A-40	9/28/15	-	10/5/15	0.005	+/-	0.0005
41	A-40	10/5/15	-	10/13/15	0.06	+/-	0.01
42	A-40	10/13/15	-	10/19/15	0.12	+/-	0.02
43	A-40	10/19/15	-	10/26/15	0.07	+/-	0.01
44 ⁸	A-40	10/26/15	-	11/2/15		+/-	
45	A-40	11/2/15	-	11/9/15	0.06	+/-	0.01
46	A-40	11/9/15	-	11/16/15	0.11	+/-	0.02
47 ⁹	A-40	11/16/15	-	11/23/15		+/-	
48	A-40	11/23/15	-	11/30/15	0.04	+/-	0.01
49 ¹⁰	A-40	11/30/15	-	12/8/15		+/-	
50	A-40	12/8/15	-	12/14/15	0.06	+/-	0.01
51 ¹¹	A-40	12/14/15	-	12/21/15		+/-	
52 ¹²	A-40	12/21/15	-	12/28/15		+/-	

 $^{^{\}rm 8}\,$ Due to equipment maintenance and calibrations, no samples were collected.

⁹ Due to the holiday, no samples were collected.

 $^{^{10}}$ Due to a controlled hunt in the area, no samples were collected.

¹¹ Due to the holiday, no samples were collected.

¹² Due to a trip of the external power supply, sample was not analyzed.

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Location: Surry Power Station (Onsite)

		ı	Date			Gross Beta Activity	
Week #	Station	Start		Stop		pCi/meter ³	
1	A-20	12/15/14	-	1/5/15	0.03	+/-	0.004
2	A-20	1/5/15	-	1/12/15	0.04	+/-	0.01
3	A-20	1/12/15	-	1/20/15	0.03	+/-	0.00
4	A-20	1/20/15	-	1/26/15	0.02	+/-	0.003
5	A-20	1/26/15	-	2/2/15	0.04	+/-	0.01
6	A-20	2/2/15	-	2/9/15	0.03	+/-	0.005
7 ¹	A-20	2/9/15	-	2/16/15		+/-	
8 ²	A-20	2/16/15	-	2/23/15		+/-	
9	A-20	2/23/15	-	3/2/15	0.04	+/-	0.006
10	A-20	3/2/15	-	3/9/15	0.04	+/-	0.007
11 ³	A-20	3/9/15	-	3/16/15		+/-	
12	A-20	3/16/15	-	3/23/15	0.02	+/-	0.003
13	A-20	3/23/15	-	3/30/15	0.03	+/-	0.005
14	A-20	3/30/15	-	4/6/15	0.03	+/-	0.005
15	A-20	4/6/15	-	4/13/15	0.03	+/-	0.004
16	A-20	4/13/15	-	4/20/15	0.03	+/-	0.004
17	A-20	4/20/15	-	4/27/15	0.03	+/-	0.005
18	A-20	4/27/15	-	5/4/15	0.05	+/-	0.007
19	A-20	5/4/15	-	5/11/15	0.04	+/-	0.006

 $^{\mbox{\scriptsize 1}}$ Due to holiday and/or winter weather, no samples were collected.

 $^{^{\}rm 2}$ Due to equipment maintenance, no samples were collected.

³ Due to the deployment of the mobile lab, no samples were collected.

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Location: Surry Power Station (Onsite) - continued

		I	Date		C	Gross Beta Activity	a
Week #	Station	Start		Stop		oCi/meter	3
20	A-20	5/11/15	-	5/18/15	0.06	+/-	0.01
21	A-20	5/18/15	-	5/26/15	0.04	+/-	0.01
22	A-20	5/26/15	-	6/1/15	0.04	+/-	0.01
23 ⁴	A-20	6/1/15	-	6/8/15		+/-	
24	A-20	6/8/15	-	6/15/15	0.03	+/-	0.00
25	A-20	6/15/15	-	6/22/15	0.01	+/-	0.001
26 ⁵	A-20	6/22/15	-	6/29/15		+/-	
27	A-20	6/29/15	-	7/7/15	0.01	+/-	0.0005
28	A-20	7/7/15	-	7/14/15	0.01	+/-	0.0010
29	A-20	7/14/15	-	7/20/15	0.01	+/-	0.001
30	A-20	7/20/15	-	7/27/15	0.01	+/-	0.001
31	A-20	7/27/15	-	8/3/15	0.01	+/-	0.001
32	A-20	8/3/15	-	8/10/15	0.02	+/-	0.001
33	A-20	8/10/15	-	8/17/15	0.01	+/-	0.001
34	A-20	8/17/15	-	8/24/15	0.02	+/-	0.002
35	A-20	8/24/15	-	8/31/15	0.02	+/-	0.001
36	A-20	8/31/15	-	9/8/15	0.01	+/-	0.001
37 ⁶	A-20	9/8/15	-	9/14/15		+/-	

 $^{^{4}}$ Due to participation in EPA training, no samples were collected.

 $^{^{\}rm 5}$ Due to equipment installation and holiday, no samples were collected.

 $^{^{6}}$ Due to participation in VA HAZMAT Conference, no samples were collected.

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Location: Surry Power Station (Onsite) - continued

			Date			Gross Beta Activity	
Week #	Station	Start		Stop		pCi/meter ³	
38	A-20	9/14/15	-	9/21/15	0.01	+/-	0.001
39	A-20	9/21/15	-	9/28/15	0.01	+/-	0.001
40	A-20	9/28/15	-	10/5/15	0.004	+/-	0.0005
41	A-20	10/5/15	-	10/13/15	0.05	+/-	0.01
42	A-20	10/13/15	-	10/19/15	0.05	+/-	0.01
43	A-20	10/19/15	-	10/26/15	0.05	+/-	0.01
44 ⁷	A-20	10/26/15	-	11/2/15		+/-	
45	A-20	11/2/15	-	11/9/15	0.04	+/-	0.01
46	A-20	11/9/15	-	11/16/15	0.07	+/-	0.01
47 ⁸	A-20	11/16/15	-	11/23/15		+/-	
48	A-20	11/23/15	-	11/30/15	0.04	+/-	0.01
49	A-20	11/30/15	-	12/8/15	0.06	+/-	0.01
50	A-20	12/8/15	-	12/14/15	0.07	+/-	0.01
51 ⁹	A-20	12/14/15	-	12/21/15		+/-	
52	A-20	12/21/15	-	12/28/15	0.02	+/-	0.003

 $^{^{7}}$ Due to equipment maintenance and calibrations, no samples were collected.

⁸ Due to the holiday, no samples were collected.

⁹ Due to the holiday, no samples were collected.

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location: Jamestown State Park & Historical Site

		I	Date			Gross Beta Activity	
Week #	Station	Start		Stop		pCi/meter ³	
1	A-44	12/15/14	-	1/5/15	0.02	+/-	0.003
2	A-44	1/5/15	-	1/12/15	0.05	+/-	0.01
3	A-44	1/12/15	-	1/20/15	0.02	+/-	0.00
4	A-44	1/20/15	-	1/26/15	0.02	+/-	0.003
5	A-44	1/26/15	-	2/2/15	0.04	+/-	0.01
6	A-44	2/2/15	-	2/9/15	0.03	+/-	0.005
7 ¹	A-44	2/9/15	-	2/16/15		+/-	
8 ²	A-44	2/16/15	-	2/23/15		+/-	
9	A-44	2/23/15	-	3/2/15	0.04	+/-	0.006
10	A-44	3/2/15	-	3/9/15	0.04	+/-	0.006
11 ³	A-44	3/9/15	-	3/16/15		+/-	
12	A-44	3/16/15	-	3/23/15	0.02	+/-	0.003
13	A-44	3/23/15	-	3/30/15	0.03	+/-	0.005
14	A-44	3/30/15	-	4/6/15	0.04	+/-	0.006
15	A-44	4/6/15	-	4/13/15	0.03	+/-	0.004
16	A-44	4/13/15	-	4/20/15	0.03	+/-	0.004
17	A-44	4/20/15	-	4/27/15	0.03	+/-	0.005
18	A-44	4/27/15	-	5/4/15	0.03	+/-	0.006
19	A-44	5/4/15	-	5/11/15	0.04	+/-	0.006

 $^{\scriptsize 1}$ Due to holiday and/or winter weather, no samples were collected.

 $^{^{\}rm 2}$ Due to equipment maintenance, no samples were collected.

³ Due to the deployment of the mobile lab, no samples were collected.

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location: Jamestown State Park & Historical Site - continued

		I	Date		C	Fross Beta Activity	a
Week #	Station	Start		Stop		oCi/meter	3
20	A-44	5/11/15	-	5/18/15	0.07	+/-	0.01
21	A-44	5/18/15	-	5/26/15	0.05	+/-	0.01
22	A-44	5/26/15	-	6/1/15	0.04	+/-	0.01
23 ⁴	A-44	6/1/15	-	6/8/15		+/-	
24	A-44	6/8/15	-	6/15/15	0.03	+/-	0.00
25	A-44	6/15/15	-	6/22/15	0.01	+/-	0.001
26 ⁵	A-44	6/22/15	-	6/29/15		+/-	
27	A-44	6/29/15	-	7/7/15	0.01	+/-	0.0005
28	A-44	7/7/15	-	7/14/15	0.01	+/-	0.0010
29	A-44	7/14/15	-	7/20/15	0.02	+/-	0.001
30	A-44	7/20/15	-	7/27/15	0.01	+/-	0.001
31	A-44	7/27/15	-	8/3/15	0.01	+/-	0.001
32	A-44	8/3/15	-	8/10/15	0.01	+/-	0.001
33	A-44	8/10/15	-	8/17/15	0.01	+/-	0.001
34	A-44	8/17/15	-	8/24/15	0.03	+/-	0.001
35	A-44	8/24/15	-	8/31/15	0.02	+/-	0.002
36	A-44	8/31/15	-	9/8/15	0.01	+/-	0.001
37 ⁶	A-44	9/8/15	-	9/14/15		+/-	

 $^{^{4}}$ Due to participation in EPA training, no samples were collected.

⁵ Due to equipment installation and holiday, no samples were collected.

 $^{^{6}}$ Due to participation in VA HAZMAT Conference, no samples were collected.

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location: Jamestown State Park & Historical Site - continued

		1	Date			Gross Beta Activity	ı
Week #	Station	Start		Stop		pCi/meter ³	
38	A-44	9/14/15	-	9/21/15	0.01	+/-	0.001
39	A-44	9/21/15	-	9/28/15	0.01	+/-	0.001
40	A-44	9/28/15	-	10/5/15	0.003	+/-	0.0004
41	A-44	10/5/15	-	10/13/15	0.04	+/-	0.01
42	A-44	10/13/15	-	10/19/15	0.06	+/-	0.01
43	A-44	10/19/15	-	10/26/15	0.05	+/-	0.01
44 ⁷	A-44	10/26/15	-	11/2/15		+/-	
45	A-44	11/2/15	-	11/9/15	0.03	+/-	0.0004
46	A-44	11/9/15	-	11/16/15	0.06	+/-	0.01
47 ⁸	A-44	11/16/15	-	11/23/15		+/-	
48	A-44	11/23/15	-	11/30/15	0.04	+/-	0.005
49	A-44	11/30/15	-	12/8/15	0.05	+/-	0.01
50	A-44	12/8/15	-	12/14/15	0.06	+/-	0.01
51 ⁹	A-44	12/14/15	-	12/21/15		+/-	
52	A-44	12/21/15	-	12/28/15	0.02	+/-	0.003

 $^{^{7}}$ Due to equipment maintenance and calibrations, no samples were collected.

⁸ Due to the holiday, no samples were collected.

⁹ Due to the holiday, no samples were collected.

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location: Louisa County / Bumpass Volunteer Fire Station

			Date			Gross Beta Activity	
Week #	Station	Start		Stop		pCi/meter ³	
1	A-86	12/15/14	-	1/5/15	0.03	+/-	0.004
2	A-86	1/5/15	-	1/12/15	0.04	+/-	0.01
3 ¹	A-86	1/12/15	-	1/20/15		+/-	
4	A-86	1/20/15	-	1/26/15	0.03	+/-	0.01
5	A-86	1/26/15	-	2/2/15	0.04	+/-	0.01
6	A-86	2/2/15	-	2/9/15	0.03	+/-	0.005
7 ²	A-86	2/9/15	-	2/16/15		+/-	
8 ³	A-86	2/16/15	-	2/23/15		+/-	
9	A-86	2/23/15	-	3/2/15	0.05	+/-	0.006
10	A-86	3/2/15	-	3/9/15	0.05	+/-	0.007
114	A-86	3/9/15	-	3/16/15		+/-	
12	A-86	3/16/15	-	3/23/15	0.02	+/-	0.003
13	A-86	3/23/15	-	3/30/15	0.03	+/-	0.005
14	A-86	3/30/15	-	4/6/15	0.05	+/-	800.0
15	A-86	4/6/15	-	4/13/15	0.03	+/-	0.005
16	A-86	4/13/15	-	4/20/15	0.04	+/-	0.006
17	A-86	4/20/15	-	4/27/15	0.05	+/-	0.007
18	A-86	4/27/15	-	5/4/15	0.13	+/-	0.018
19	A-86	5/4/15	-	5/11/15	0.06	+/-	0.009

¹ Due to VDOT's use of power receptacles, no sample results were available.

² Due to holiday and/or winter weather, no samples were collected.

³ Due to equipment maintenance, no samples were collected.

⁴ Due to the deployment of the mobile lab, no samples were a collected.

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location: Louisa County / Bumpass Volunteer Fire Station - continued

		D	ate			Gross Beta Activity	a
Week #	Station	Start		Stop		pCi/meter	3
20	A-86	5/11/15	-	5/18/15	0.12	+/-	0.02
21	A-86	5/18/15	-	5/26/15	0.00	+/-	0.00
22	A-86	5/26/15	-	6/1/15	0.05	+/-	0.01
23 ⁵	A-86	6/1/15	-	6/8/15		+/-	
24	A-86	6/8/15	-	6/15/15	0.06	+/-	0.01
25	A-86	6/15/15	-	6/22/15	0.02	+/-	0.002
26 ⁶	A-86	6/22/15	-	6/29/15		+/-	
27	A-86	6/29/15	-	7/6/15	0.01	+/-	0.0004
28	A-86	7/6/15	-	7/13/15	0.01	+/-	0.0008
29	A-86	7/13/15	-	7/20/15	0.02	+/-	0.002
30	A-86	7/20/15	-	7/27/15	0.01	+/-	0.001
31	A-86	7/27/15	-	8/3/15	0.02	+/-	0.001
32	A-86	8/3/15	-	8/10/15	0.02	+/-	0.001
33	A-86	8/10/15	-	8/17/15	0.02	+/-	0.001
34	A-86	8/17/15	-	8/24/15	0.07	+/-	0.003
35	A-86	8/24/15	-	8/31/15	0.03	+/-	0.002
36	A-86	8/31/15	-	9/8/15	0.02	+/-	0.001
37 ⁷	A-86	9/8/15	-	9/14/15		+/-	

⁵ Due to participation in EPA training, no samples were collected.

⁶ Due to equipment installation and holiday, no samples were collected.

⁷ Due to participation in VA HAZMAT Conference, no samples were collected.

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location: Louisa County / Bumpass Volunteer Fire Station - continued

		ľ	Date			Gross Beta Activity	
Week #	Station	Start		Stop		pCi/meter ³	
38	A-86	9/14/15	-	9/21/15	0.02	+/-	0.001
39	A-86	9/21/15	-	9/28/15	0.01	+/-	0.001
40	A-86	9/28/15	-	10/5/15	0.006	+/-	0.0006
41	A-86	10/5/15	-	10/13/15	0.07	+/-	0.01
42	A-86	10/13/15	-	10/19/15	0.15	+/-	0.02
43	A-86	10/19/15	-	10/26/15	0.06	+/-	0.01
448	A-86	10/26/15	-	11/2/15		+/-	
45	A-86	11/2/15	-	11/9/15	0.06	+/-	0.01
46	A-86	11/9/15	-	11/16/15	0.08	+/-	0.01
47 ⁹	A-86	11/16/15	-	11/23/15		+/-	
48	A-86	11/23/15	-	11/30/15	0.04	+/-	0.01
49	A-86	11/30/15	-	12/8/15	0.08	+/-	0.01
50	A-86	12/8/15	-	12/14/15	0.06	+/-	0.01
51 ¹⁰	A-86	12/14/15	-	12/21/15		+/-	
52	A-86	12/21/15	-	12/28/15	0.02	+/-	0.003

 $^{^{\}rm 8}\,$ Due to equipment maintenance and calibrations, no samples were collected.

⁹ Due to the holiday, no samples were collected.

 $^{^{10}}$ Due to the holiday, no samples were collected.

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location: Louisa County / Route 700

		ı	Date			Gross Beta Activity	1
Week #	Station	Start		Stop		pCi/meter ³	
1	A-88	12/15/14	-	1/5/15	0.03	+/-	0.004
2	A-88	1/5/15	-	1/12/15	0.06	+/-	0.01
3	A-88	1/12/15	-	1/20/15	0.05	+/-	0.01
4	A-88	1/20/15	-	1/26/15	0.03	+/-	0.01
5	A-88	1/26/15	-	2/2/15	0.05	+/-	0.01
6	A-88	2/2/15	-	2/9/15	0.04	+/-	0.006
7 ¹	A-88	2/9/15	-	2/16/15		+/-	
8 ²	A-88	2/16/15	-	2/23/15		+/-	
9	A-88	2/23/15	-	3/2/15	0.05	+/-	0.007
10	A-88	3/2/15	-	3/9/15	0.06	+/-	0.006
11 ³	A-88	3/9/15	-	3/16/15		+/-	
12	A-88	3/16/15	-	3/23/15	0.02	+/-	0.003
13	A-88	3/23/15	-	3/30/15	0.04	+/-	0.005
14	A-88	3/30/15	-	4/6/15	0.04	+/-	0.006
15	A-88	4/6/15	-	4/13/15	0.03	+/-	0.004
16	A-88	4/13/15	-	4/20/15	0.03	+/-	0.005
17	A-88	4/20/15	-	4/27/15	0.04	+/-	0.006
18	A-88	4/27/15	-	5/4/15	0.07	+/-	0.010
19	A-88	5/4/15	-	5/11/15	0.09	+/-	0.01

 $^{\scriptsize 1}$ Due to holiday and/or winter weather, no samples were collected.

 $^{^{\}rm 2}$ Due to equipment maintenance, no samples were collected.

³ Due to the deployment of the mobile lab, no samples were collected.

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location: Louisa County / Route 700 - continued

		I	Date		(Gross Beta Activity	a
Week #	Station	Start		Stop		pCi/meter	3
20	A-88	5/11/15	-	5/18/15	0.06	+/-	0.01
21	A-88	5/18/15	-	5/26/15	0.05	+/-	0.01
22	A-88	5/26/15	-	6/1/15	0.05	+/-	0.01
23 ⁴	A-88	6/1/15	-	6/8/15		+/-	
24	A-88	6/8/15	-	6/15/15	0.04	+/-	0.01
25	A-88	6/15/15	-	6/22/15	0.02	+/-	0.002
26 ⁵	A-88	6/22/15	-	6/29/15		+/-	
27	A-88	6/29/15	-	7/6/15	0.01	+/-	0.0004
28	A-88	7/6/15	-	7/13/15	0.01	+/-	0.0007
29	A-88	7/13/15	-	7/20/15	0.02	+/-	0.001
30	A-88	7/20/15	-	7/27/15	0.01	+/-	0.001
31	A-88	7/27/15	-	8/3/15	0.01	+/-	0.001
32	A-88	8/3/15	-	8/10/15	0.02	+/-	0.001
33	A-88	8/10/15	-	8/17/15	0.01	+/-	0.001
34	A-88	8/17/15	-	8/24/15	0.04	+/-	0.002
35	A-88	8/24/15	-	8/31/15	0.02	+/-	0.001
36	A-88	8/31/15	-	9/8/15	0.01	+/-	0.001
37 ⁶	A-88	9/8/15	-	9/14/15		+/-	

 $^{^{4}}$ Due to participation in EPA training, no samples were collected.

 $^{^{\}rm 5}$ Due to equipment installation and holiday, no samples were collected.

 $^{^{6}}$ Due to participation in VA HAZMAT Conference, no samples were collected.

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location: Louisa County / Route 700 - continued

		ĺ	Date			Gross Beta Activity	
Week #	Station	Start		Stop		pCi/meter ³	
38	A-88	9/14/15	-	9/21/15	0.01	+/-	0.001
39	A-88	9/21/15	-	9/28/15	0.01	+/-	0.001
40	A-88	9/28/15	-	10/5/15	0.006	+/-	0.0006
41	A-88	10/5/15	-	10/13/15	0.06	+/-	0.01
42	A-88	10/13/15	-	10/19/15	0.10	+/-	0.01
43	A-88	10/19/15	-	10/26/15	0.05	+/-	0.01
44 ⁷	A-88	10/26/15	-	11/2/15		+/-	
45	A-88	11/2/15	-	11/9/15	0.06	+/-	0.01
46	A-88	11/9/15	-	11/16/15	0.07	+/-	0.01
47 ⁸	A-88	11/16/15	-	11/23/15		+/-	
48	A-88	11/23/15	-	11/30/15	0.04	+/-	0.01
49	A-88	11/30/15	-	12/8/15	0.06	+/-	0.01
50	A-88	12/8/15	-	12/14/15	0.06	+/-	0.01
51 ⁹	A-88	12/14/15	-	12/21/15		+/-	
52	A-88	12/21/15	-	12/28/15	0.02	+/-	0.003

 $^{^{\}rm 7}$ Due to equipment maintenance and calibrations, no samples were collected.

⁸ Due to the holiday, no samples were collected.

⁹ Due to the holiday, no samples were collected.

Virginia Department of Health AMBIENT GAMMA EXPOSURE

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

			Net Exposure Rate			
Location	Station	Quarter	mR/St	d Qtr +/-	2 S.D.	
				<u> </u>		
Pocahontas State Park	D-40	1 st	39.57	+/-	12.58	
Pocahontas State Park	D-40	2 nd	31.27	+/-	5.59	
Pocahontas State Park	D-40	3 rd	54.04	+/-	7.35	
Pocahontas State Park	D-40	4 th	38.25	+/-	12.37	
Surry Power Station	D-20	1 st	24.54	+/-	9.91	
Surry Power Station	D-20	2 nd	21.30	+/-	4.62	
Surry Power Station	D-20	3^{rd}	32.77	+/-	5.72	
Surry Power Station	D-20	4 th	23.93	+/-	9.78	
North Anna Power Station	D-35	1 st	33.69	+/-	11.61	
North Anna Power Station	D-35	2 nd	27.18	+/-	5.21	
North Anna Power Station	D-35	3 rd	42.08	+/-	6.49	
North Anna Power Station	D-35	4 th	32.93	+/-	11.48	
Surry – Lebanon Baptist Church	D-41	1 st	23.65	+/-	9.73	
Surry – Lebanon Baptist Church	D-41	2 nd	15.60	+/-	3.95	
Surry – Lebanon Baptist Church	D-41	3 rd	29.04	+/-	5.39	
Surry – Lebanon Baptist Church	D-41	4 th	19.23	+/-	8.77	
Surry – Lawnes Creek	D-42	1 st	27.13	+/-	10.42	
Surry – Lawnes Creek	D-42	2 nd	21.45	+/-	4.63	
Surry – Lawnes Creek	D-42	3 rd	38.37	+/-	6.19	
Surry – Lawnes Creek	D-42	4 th	26.37	+/-	10.27	
Surry – Route 628	D-43	1 st	24.83	+/-	9.97	
Surry – Route 628	D-43	2 nd	18.99	+/-	4.36	
Surry – Route 628	D-43	3 rd	32.89	+/-	5.74	
Surry – Route 628	D-43	4 th	22.79	+/-	9.55	
Jamestown – Historical site	D-44	1 st	29.46	+/-	10.86	
Jamestown - Historical site	D-44	2 nd	17.99	+/-	4.24	
Jamestown - Historical site	D-44	3 rd	38.03	+/-	6.17	
Jamestown – Historical site	D-44	4 th	21.97	+/-	9.38	
Newport News - Lee Hall	D-45	1 st	33.49	+/-	11.57	
Newport News - Lee Hall	D-45	2 nd	27.18	+/-	5.21	
Newport News - Lee Hall	D-45	3 rd	41.88	+/-	6.47	
Newport News - Lee Hall	D-45	4 th	32.89	+/-	11.47	
Louisa County - Mineral	D-50	1 st	27.89	+/-	10.56	
Louisa County - Mineral	D-50	2 nd	24.92	+/-	4.99	
Louisa County - Mineral	D-50	3 rd	33.69	+/-	5.80	
Louisa County - Mineral	D-50	4 th	30.91	+/-	11.12	
Louisa County – Wares Crossroads	D-51	1 st	25.23	+/-	10.05	
Louisa County - Wares Crossroads	D-51	2 nd	19.66	+/-	4.43	
Louisa County – Wares Crossroads	D-51	3 rd	34.58	+/-	5.88	
Louisa County – Wares Crossroads	D-51	4 th	21.48	+/-	9.27	

Virginia Department of Health AMBIENT GAMMA EXPOSURE

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

	0 4 41		Net Exposure Rate mR/Std Qtr +/- 2 S.D.			
Location	Station	Quarter	mR/St	a Qtr +/-	2 S.D.	
Louisa County – Good Hope Church	D-52	1 st	30.31	+/-	11.01	
Louisa County – Good Hope Church	D-52	2 nd	24.92	+/-	4.99	
Louisa County – Good Hope Church	D-52	3 rd	44.34	+/-	6.66	
Louisa County – Good Hope Church	D-52	4 th	22.59	+/-	9.51	
Spotovlyopio Bouto 614	D 50	1 st	07.00	,	40.40	
Spotsylvania Route 614	D-53		27.02	+/-	10.40	
Spotsylvania Route 614	D-53	2 nd	20.91	+/-	4.57	
Spotsylvania Route 614	D-53	3 rd	32.91	+/-	5.74	
Spotsylvania Route 614	D-53	4 th	25.86	+/-	10.17	
Louisa County – Fred Hall	D-54	1 st	24.54	+/-	9.91	
Louisa County – Fred Hall	D-54	2 nd	20.29	+/-	4.50	
Louisa County – Fred Hall	D-54	3^{rd}	31.83	+/-	5.64	
Louisa County – Fred Hall	D-54	4 th	24.96	+/-	9.99	
Naval Weapons Station – 1	D-73	1 st	23.49	+/-	9.69	
Naval Weapons Station - 1	D-73 D-73	2 nd	23.49 21.36	+/- +/-	4.62	
Naval Weapons Station – 1		3 rd				
	D-73	4 th	29.75 26.71	+/- +/-	5.45 10.34	
Naval Weapons Station – 1	D-73	4	20.71	+/-	10.34	
Newport News – Fort Eustis	D-76	1 st	27.09	+/-	10.41	
Newport News – Fort Eustis	D-76	2 nd	20.22	+/-	4.50	
Newport News – Fort Eustis	D-76	3 rd	36.49	+/-	6.04	
Newport News – Fort Eustis	D-76	4 th	24.76	+/-	9.95	
Williamsburg – Busch Gardens	D-77	1 st	29.84	+/-	10.92	
Williamsburg – Busch Gardens	D-77	2 nd	24.02	+/-	4.90	
Williamsburg – Busch Gardens	D-77	3 rd	40.92	+/-	6.40	
Williamsburg – Busch Gardens	D-77	4 th	29.59	+/-	10.88	
A/:lliomoburg Airport	D 70	1 st				
Williamsburg – Airport	D-78		22.86	+/-	9.56	
Williamsburg – Airport	D-78	2 nd	23.73	+/-	4.87	
Williamsburg – Airport	D-78	3 rd	28.25	+/-	5.31	
Williamsburg – Airport	D-78	4 th	25.57	+/-	10.11	
Surry – Scotland Wharf ¹	D-79	1 st		+/-		
Surry – Scotland Wharf	D-79	2 nd	21.21	+/-	4.61	
Surry – Scotland Wharf	D-79	3 rd	32.04	+/-	5.66	
Surry – Scotland Wharf	D-79	4 th	25.28	+/-	10.06	
Surry – Bacon's Castle	D-80	1 st	23.72	+/-	9.74	
Surry – Bacon's Castle	D-80	2 nd	20.09	+/-	4.48	
Surry – Bacon's Castle	D-80	3 rd	27.36	+/-	5.23	
Surry – Bacon's Castle	D-80 D-80	4 th	16.91	+/-	8.22	
Common Alliana		. st		_		
Surry – Alliance	D-81	1 st	24.45	+/-	9.89	
Surry – Alliance	D-81	2 nd	19.60	+/-	4.43	
Surry – Alliance	D-81	3 rd	33.15	+/-	5.76	
Surry – Alliance	D-81	4 th	20.87	+/-	9.14	

 $^{\rm 1}$ D-79, $\rm 1^{\rm st}$ quarter, was found missing at change out.

Virginia Department of Health AMBIENT GAMMA EXPOSURE

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location	Station	Quarter	Net Exposure Rate mR/Std Qtr +/- 2 S.D.			
Location	Otation	Quarter	1111400	<u>u ((1 17</u>	2 0.0.	
Surry – Hog Point	D-82	1 st	24.25	+/-	9.85	
Surry – Hog Point	D-82	2 nd	19.98	+/-	4.47	
Surry – Hog Point	D-82	3 rd	33.62	+/-	5.80	
Surry – Hog Point	D-82	4 th	26.24	+/-	10.24	
Louisa County – Route 685	D-84	1 st	26.20	+/-	10.24	
Louisa County – Route 685	D-84	2 nd	24.67	+/-	4.97	
Louisa County – Route 685	D-84	3^{rd}	32.70	+/-	5.72	
Louisa County – Route 685	D-84	4 th	29.75	+/-	10.91	
Spotsylvania – Route 713	D-85	1 st	24.68	+/-	9.94	
Spotsylvania – Route 713	D-85	2 nd	21.01	+/-	4.58	
Spotsylvania – Route 713	D-85	3 rd	32.61	+/-	5.71	
Spotsylvania – Route 713	D-85	4 th	24.32	+/-	9.86	
Louisa County – Bumpass Fire Dept.	D-86	1 st	29.55	+/-	10.87	
Louisa County – Bumpass Fire Dept.	D-86	2 nd	24.79	+/-	4.98	
Louisa County – Bumpass Fire Dept.	D-86	3 rd	35.66	+/-	5.97	
Louisa County – Bumpass Fire Dept.	D-86	4 th	28.50	+/-	10.68	
Spotsylvania – Levy	D-87	1 st	31.68	+/-	11.26	
Spotsylvania – Levy	D-87	2 nd	24.78	+/-	4.98	
Spotsylvania – Levy	D-87	3 rd	38.63	+/-	6.22	
Spotsylvania – Levy	D-87	4 th	30.11	+/-	10.97	
Louisa County – Route 700	D-88	1 st	32.66	+/-	11.43	
Louisa County – Route 700	D-88	2 nd	25.17	+/-	5.02	
Louisa County – Route 700	D-88	3 rd	45.92	+/-	6.78	
Louisa County – Route 700	D-88	4 th	30.20	+/-	10.99	
Louisa County – Aspen Hill	D-89	1 st	32.17	+/-	11.34	
Louisa County – Aspen Hill	D-89	2 nd	27.54	+/-	10.50	
Louisa County – Aspen Hill	D-89	3 rd	46.53	+/-	6.82	
Louisa County – Aspen Hill	D-89	4 th	33.55	+/-	11.58	
Radiological Health	Control 1	1 st	8.90	+/-	5.97	
Radiological Health	Control 1	2 nd	18.57	+/-	4.31	
Radiological Health	Control 1	3 rd	16.66	+/-	4.08	
Radiological Health	Control 1	4 th	14.65	+/-	7.65	
Radiological Health	Control 2	1 st	3.16	+/-	6.31	
Radiological Health	Control 2	2 nd	20.04	+/-	4.48	
_	Control 2	3 rd	16.24	+/-	4.03	
Radiological Health						

Virginia Department of Health FISH

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location Type of fish	Date Collected	Isotope	pCi/gram
Bi-Annual North Anna	4/21/15	Ba-140	<mda< td=""></mda<>
Second Cooling		Cs-134	<mda< td=""></mda<>
Lagoon		Cs-137	0.01+/-0.01
		Co-58	<mda< td=""></mda<>
F-24		Co-60	<mda< td=""></mda<>
		I-131	<mda< td=""></mda<>
		Fe-59	<mda< td=""></mda<>
		Mn-54	<mda< td=""></mda<>
		Ru-106	<mda< td=""></mda<>
		Ag-110M	<mda< td=""></mda<>
		Zn-65	<mda< td=""></mda<>
		Nb-95	<mda< td=""></mda<>
Bi-Annual North Anna ¹	11/9/15	Ba-140	
Second Cooling		Cs-134	
Lagoon		Cs-137	
		Co-58	
F-24		Co-60	
		I-131	
		Fe-59	
		Mn-54	
		Ru-106	
		Ag-110M	
		Zn-65	
		Nb-95	

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 $^{^{\}mbox{\scriptsize 1}}$ Results have not been received from DCLS for the reporting period.

Virginia Department of Health FISH

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location Type of fish	Date Collected	Isotope	pCi/gram
Surry	4/6/15	Ba-140	<mda< td=""></mda<>
Discharge Canal		Cs-134	<mda< td=""></mda<>
		Cs-137	<mda< td=""></mda<>
		Co-58	<mda< td=""></mda<>
F-17		Co-60	<mda< td=""></mda<>
		I-131	<mda< td=""></mda<>
		Fe-59	<mda< td=""></mda<>
		Mn-54	<mda< td=""></mda<>
		Ru-106	<mda< td=""></mda<>
		Ag-110M	<mda< td=""></mda<>
		Zn-65	<mda< td=""></mda<>
		Nb-95	<mda< td=""></mda<>
Surry ²	10/19/15	Ba-140	
Discharge Canal		Cs-134	
		Cs-137	
		Co-58	
F-17		Co-60	
		I-131	
		Fe-59	
		Mn-54	
		Ru-106	
		Ag-110M	
		Zn-65	
		Nb-95	

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 $^{^{\}rm 2}$ Results have not been received from DCLS for the reporting period.

Virginia Department of Health SHELLFISH

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location			
Type of fish	Date Collected	Isotope	pCi/gram
		Ba-140	<mda< td=""></mda<>
Surry	3/9/15	Cs-134	<mda< td=""></mda<>
Power		Cs-137	<mda< td=""></mda<>
Station		Co-58	<mda< td=""></mda<>
		Co-60	<mda< td=""></mda<>
R-17		I-131	<mda< td=""></mda<>
(Clams and Oysters)		Fe-59	<mda< td=""></mda<>
		Mn-54	<mda< td=""></mda<>
		Ru-106	<mda< td=""></mda<>
		Ag-110M	<mda< td=""></mda<>
		Zn-65	<mda< td=""></mda<>
		Nb-95	<mda< td=""></mda<>

Virginia Department of Health Milk¹

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

	Louisa County - I	_akeside Dairy M-29	
1 st Quar	ter Date: 1/21/15	_	er Date: 4/8/15
Isotope	Results - pCi/liter	Isotope	Results - pCi/liter
Ва	<mda< td=""><td>Ва</td><td><mda< td=""></mda<></td></mda<>	Ва	<mda< td=""></mda<>
Cs-134	<mda< td=""><td>Cs-134</td><td><mda< td=""></mda<></td></mda<>	Cs-134	<mda< td=""></mda<>
Cs-137	<mda< td=""><td>Cs-137</td><td><mda< td=""></mda<></td></mda<>	Cs-137	<mda< td=""></mda<>
K-40*	1.7+/-0.1	K-40*	1.6 +/- 0.1
I-131	0.0+/-0.7	I-131	0.2 +/- 0.4
Sr-89	<mda< td=""><td>Sr-89</td><td><mda< td=""></mda<></td></mda<>	Sr-89	<mda< td=""></mda<>
Sr-90	0.5+/-0.5	Sr-90	<mda< td=""></mda<>
3 rd Qua	rter Date: 7/1/15	4 th Qu	arter Date:
Isotope	Results - pCi/liter	Isotope	Results - pCi/liter
Ва	<mda< td=""><td>Ва</td><td></td></mda<>	Ва	
Cs-134	<mda< td=""><td>Cs-134</td><td></td></mda<>	Cs-134	
Cs-137	<mda< td=""><td>Cs-137</td><td></td></mda<>	Cs-137	
K-40*	1.6 +/- 0.1	K-40*	
I-131	0 +/- 0.6	I-131	
Sr-89	<mda< td=""><td>Sr-89</td><td></td></mda<>	Sr-89	
Sr-90	0.8 +/- 0.4	Sr-90	
	•	Epps Dairy M-66	
	rter Date: 1/6/15		er Date: 4/1/15
Isotope	Results - pCi/liter	Isotope	Results - pCi/liter
Ba Cs-134	<mda< td=""><td>Ba Cs-134</td><td><mda< td=""></mda<></td></mda<>	Ba Cs-134	<mda< td=""></mda<>
Cs-134 Cs-137	<mda <mda< td=""><td>Cs-134 Cs-137</td><td><mda <mda< td=""></mda<></mda </td></mda<></mda 	Cs-134 Cs-137	<mda <mda< td=""></mda<></mda
K-40*	1.4 +/- 0.01	K-40*	1.6 +/- 0.1
I-131	0.0 +/-0.3	I-131	0 +/- 0.03
Sr-89	<mda< td=""><td>Sr-89</td><td><mda< td=""></mda<></td></mda<>	Sr-89	<mda< td=""></mda<>
Sr-90	0.2+/-0.3	Sr-90	0.7 +/- 0.4
3 rd Qua	rter Date: 7/2/15	4 th Qu	arter Date:
Isotope	Results - pCi/liter	Isotope	Results - pCi/liter
Ва	<mda< td=""><td>Ва</td><td></td></mda<>	Ва	
Cs-134	<mda< td=""><td>Cs-134</td><td></td></mda<>	Cs-134	
Cs-137	<mda< td=""><td>Cs-137</td><td></td></mda<>	Cs-137	
K-40*	1.5 +/- 0.1	K-40*	
I-131	0 +/- 0.6	I-131	
Sr-89	<mda< td=""><td>Sr-89</td><td></td></mda<>	Sr-89	
Sr-90	1.7 +/- 0.5	Sr-90	

^{*}K-40 data is reported in units of grams/liter.

 $^{^{\}mathrm{1}}$ Results for the 4 $^{\mathrm{th}}$ quarter have not been received from DCLS.

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location: Pocahontas State Park (Control)

Week #	Station	Start	Date	Ended	Cs-134 Activity pCi/meter ³	Cs-137 Activity pCi/meter ³	I-131 Activity pCi/meter ³
1	C-40	12/15/14	-	1/5/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
2	C-40	1/5/15	-	1/12/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
3	C-40	1/12/15	-	1/20/15	2.34E-2	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
4 ¹	C-40	1/20/15	-	1/26/15			
5	C-40	1/26/15	-	2/2/15	<mda< td=""><td><mda< td=""><td>2.30E-2</td></mda<></td></mda<>	<mda< td=""><td>2.30E-2</td></mda<>	2.30E-2
6	C-40	2/2/15	-	2/9/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
7 ²	C-40	2/9/15	-	2/16/15			
8 ³	C-40	2/16/15	-	2/23/15			
9	C-40	2/23/15	-	3/2/15	3.00E-2	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
10	C-40	3/2/15	-	3/9/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
11 ⁴	C-40	3/9/15	-	3/16/15			
12	C-40	3/16/15	-	3/23/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
13	C-40	3/23/15	-	3/30/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
14	C-40	3/30/15	-	4/6/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
15	C-40	4/6/15	-	4/13/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
16	C-40	4/13/15	-	4/20/15	<mda< td=""><td>2.74E-2</td><td><mda< td=""></mda<></td></mda<>	2.74E-2	<mda< td=""></mda<>
17	C-40	4/20/15	-	4/27/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
18	C-40	4/27/15	-	5/4/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
19	C-40	5/4/15	-	5/11/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
20	C-40	5/11/15	-	5/18/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
21	C-40	5/18/15	-	5/26/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>

¹ Due to equipment malfunction, no results are available.

² Due to holiday and/or winter weather, no samples were collected.

³ Due to equipment maintenance, no samples were collected.

⁴ Due to deployment of the mobile laboratory, no samples were collected.

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location: Pocahontas State Park (Control) - continued

Week	Station	Start	Date	Ended	Cs-134 Activity	Cs-137 Activity	I-131 Activity pCi/meter ³
#	Otation	Start		Ended	pCi/meter ³	pCi/meter ³	polymeter
22	C-40	5/26/15	-	6/1/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
23 ⁵	C-40	6/1/15	-	6/8/15			
24	C-40	6/8/15	-	6/15/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
25	C-40	6/15/15	-	6/22/15			
26 ⁶	C-40	6/22/15	-	6/29/15			
27	C-40	6/29/15	-	7/6/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
28	C-40	7/6/15	-	7/13/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
29	C-40	7/13/15	-	7/20/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
30	C-40	7/20/15	-	7/27/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
31	C-40	7/27/15	-	8/3/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
32 ⁷	C-40	8/3/15	-	8/10/15			
33	C-40	8/10/15	-	8/17/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
34	C-40	8/17/15	-	8/24/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
35	C-40	8/24/15	-	8/31/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
36	C-40	8/31/15	-	9/8/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
37 ⁸	C-40	9/8/15	-	9/14/15			
38	C-40	9/14/15	-	9/21/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
39	C-40	9/21/15	-	9/28/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
40	C-40	9/28/15	-	10/5/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
41	C-40	10/5/15	-	10/13/15	7.24E-2	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>

 $^{^{\}rm 5}$ Due to participation in EPA training, no samples were collected.

⁶ Due to equipment installation and holiday, no samples were collected.

⁷ On 8/10/15, air sampler was found offline to tripping of the ground fault circuit interrupter. Results were deemed considered invalid.

 $^{^{8}}$ Due to participation in VA HAZMAT Conference, no samples were collected.

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location: Pocahontas State Park (Control) - continued

			Date		Cs-134	Cs-137	I-131 Activity
Week #	Station	Start		Ended	Activity pCi/meter ³	Activity pCi/meter ³	pCi/meter ³
42	C-40	10/13/15	-	10/19/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
43	C-40	10/19/15	-	10/26/15	5.40E-2	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
44 ⁹	C-40	10/26/15	-	11/2/15			
45	C-40	11/2/15	-	11/9/15	2.90E-2	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
46	C-40	11/9/15	-	11/16/15	4.44E-2	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
47 ¹⁰	C-40	11/16/15	-	11/23/15			
48	C-40	11/23/15	-	11/30/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
49 ¹¹	C-40	11/30/15	-	12/8/15			
50	C-40	12/8/15	-	12/14/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
51 ¹²	C-40	12/14/15	-	12/21/15			
52 ¹³	C-40	12/21/15	-	12/28/15			

 $^{^{9}\,}$ Due to equipment maintenance and calibrations, no samples were collected.

 $^{^{10}}$ Due to the holiday, no samples were collected.

 $^{^{11}}$ Due to a controlled hunt in the area, no samples were collected.

¹² Due to the holiday, no samples were collected.

¹³ Due to a trip of the external power supply, sample was not collected.

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location: Surry Power Station (Onsite)

Week #	Station	Start	Date	Ended	Cs-134 Activity pCi/meter ³	Cs-137 Activity pCi/meter ³	I-131 Activity pCi/meter ³
1	C-20	12/15/14	-	1/5/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
2	C-20	1/5/15	-	1/12/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
3	C-20	1/12/15	-	1/20/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
4 ¹	C-20	1/20/15	-	1/26/15			
5	C-20	1/26/15	-	2/2/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
6	C-20	2/2/15	-	2/9/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
7 ²	C-20	2/9/15	-	2/16/15			
8 ³	C-20	2/16/15	-	2/23/15			
9	C-20	2/23/15	-	3/2/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
10	C-20	3/2/15	-	3/9/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
11 ⁴	C-20	3/9/15	-	3/16/15			
12	C-20	3/16/15	-	3/23/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
13	C-20	3/23/15	-	3/30/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
14	C-20	3/30/15	-	4/6/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
15	C-20	4/6/15	-	4/13/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
16	C-20	4/13/15	-	4/20/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
17	C-20	4/20/15	-	4/27/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
18	C-20	4/27/15	-	5/4/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
19	C-20	5/4/15	-	5/11/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
20	C-20	5/11/15	-	5/18/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
21	C-20	5/18/15	-	5/26/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>

¹ Due to equipment malfunction, no results are available.

 $^{^{\}rm 2}$ Due to holiday and/or winter weather, no samples were collected.

 $^{^{3}}$ Due to equipment maintenance, no samples were collected.

⁴ Due to deployment of the mobile laboratory, no samples were collected.

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location: Surry Power Station (Onsite) - continued

Week #	Station	Start	Date	Ended	Cs-134 Activity pCi/meter ³	Cs-137 Activity pCi/meter ³	I-131 Activity pCi/meter ³
22	C-20	5/26/15	-	6/1/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
23 ⁵	C-20	6/1/15	-	6/8/15			
24	C-20	6/8/15	-	6/15/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
25	C-20	6/15/15	-	6/22/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
26 ⁶	C-20	6/22/15	-	6/29/15			
27	C-20	6/29/15	-	7/7/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
28	C-20	7/7/15	-	7/14/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
29	C-20	7/14/15	-	7/20/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
30	C-20	7/20/15	-	7/27/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
31	C-20	7/27/15	-	8/3/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
32	C-20	8/3/15	-	8/10/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
33	C-20	8/10/15	-	8/17/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
34	C-20	8/17/15	-	8/24/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
35	C-20	8/24/15	-	8/31/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
36	C-20	8/31/15	-	9/8/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
37 ⁷	C-20	9/8/15	-	9/14/15			
38	C-20	9/14/15	-	9/21/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
39	C-20	9/21/15	-	9/28/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
40	C-20	9/28/15	-	10/5/15	3.20E-2	2.70E-2	<mda< td=""></mda<>
41	C-20	10/5/15	-	10/13/15	5.62E-2	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>

 $^{\rm 5}$ Due to participation in EPA training, no samples were collected.

⁶ Due to equipment installation and holiday, no samples were collected.

⁷ Due to participation in VA HAZMAT Conference, no samples were collected.

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location: Surry Power Station (Onsite) - continued

-			Date		Cs-134	Cs-137	I-131 Activity
Week #	Station	Start		Ended	Activity pCi/meter ³	Activity pCi/meter ³	pCi/meter ³
42	C-20	10/13/15	-	10/19/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
43	C-20	10/19/15	-	10/26/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
44 ⁸	C-20	10/26/15	-	11/2/15			
45	C-20	11/2/15	-	11/9/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
46	C-20	11/9/15	-	11/16/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
47 ⁹	C-20	11/16/15	-	11/23/15			
48	C-20	11/23/15	-	11/30/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
49	C-20	11/30/15	-	12/8/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
50	C-20	12/8/15	-	12/14/15	3.94E-2	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
51 ¹⁰	C-20	12/14/15	-	12/21/15			
52	C-20	12/21/15	-	12/28/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>

 $^{^{\}rm 8}\,$ Due to equipment maintenance and calibrations, no samples were collected.

⁹ Due to the holiday, no samples were collected.

 $^{^{10}}$ Due to the holiday, no samples were collected.

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location: Jamestown State Park & Historical Site

Week #	Station	Start	Date	Ended	Cs-134 Activity pCi/meter ³	Cs-137 Activity pCi/meter ³	I-131 Activity pCi/meter ³
1	C-44	12/15/14	-	1/5/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
2	C-44	1/5/15	-	1/12/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
3	C-44	1/12/15	-	1/20/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
4 ¹	C-44	1/20/15	-	1/26/15			
5	C-44	1/26/15	-	2/2/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
6	C-44	2/2/15	-	2/9/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
7 ²	C-44	2/9/15	-	2/16/15			
8 ³	C-44	2/16/15	-	2/23/15			
9	C-44	2/23/15	-	3/2/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
10	C-44	3/2/15	-	3/9/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
11 ⁴	C-44	3/9/15	-	3/16/15			
12	C-44	3/16/15	-	3/23/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
13	C-44	3/23/15	-	3/30/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
14	C-44	3/30/15	-	4/6/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
15	C-44	4/6/15	-	4/13/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
16	C-44	4/13/15	-	4/20/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
17	C-44	4/20/15	-	4/27/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
18	C-44	4/27/15	-	5/4/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
19	C-44	5/4/15	-	5/11/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
20	C-44	5/11/15	-	5/18/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
21	C-44	5/18/15	-	5/26/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>

¹ Due to equipment malfunction, no results are available.

 $^{^{\}rm 2}$ Due to holiday and/or winter weather, no samples were collected.

 $^{^{\}rm 3}$ Due to equipment maintenance, no samples were collected.

⁴ Due to deployment of the mobile laboratory, no samples were collected.

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location: Jamestown State Park & Historical Site - continued

Week #	Station	Start	Date	Ended	Cs-134 Activity pCi/meter ³	Cs-137 Activity pCi/meter ³	I-131 Activity pCi/meter ³
22	C-44	5/26/15	-	6/1/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
23 ⁵	C-44	6/1/15	-	6/8/15			
24	C-44	6/8/15	-	6/15/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
25	C-44	6/15/15	-	6/22/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
26 ⁶	C-44	6/22/15	-	6/29/15			
27	C-44	6/29/15	-	7/7/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
28	C-44	7/7/15	-	7/14/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
29	C-44	7/14/15	-	7/20/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
30	C-44	7/20/15	-	7/27/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
31	C-44	7/27/15	-	8/3/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
32	C-44	8/3/15	-	8/10/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
33	C-44	8/10/15	-	8/17/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
34	C-44	8/17/15	-	8/24/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
35	C-44	8/24/15	-	8/31/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
36	C-44	8/31/15	-	9/8/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
37 ⁷	C-44	9/8/15	-	9/14/15			
38	C-44	9/14/15	-	9/21/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
39	C-44	9/21/15	-	9/28/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
40	C-44	9/28/15	-	10/5/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
41	C-44	10/5/15	-	10/13/15	3.10E-2	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>

 $^{^{\}rm 5}$ Due to participation in EPA training, no samples were collected.

⁶ Due to equipment installation and holiday, no samples were collected.

⁷ Due to participation in VA HAZMAT Conference, no samples were collected.

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location: Jamestown State Park & Historical Site - continued

			Date		Cs-134	Cs-137	I-131 Activity
Week #	Station	Start		Ended	Activity pCi/meter ³	Activity pCi/meter ³	pCi/meter ³
42	C-44	10/13/15	-	10/19/15	3.16E-2	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
43	C-44	10/19/15	-	10/26/15	1.86E-2	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
44 ⁸	C-44	10/26/15	-	11/2/15			
45	C-44	11/2/15	-	11/9/15	1.26E-2	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
46	C-44	11/9/15	-	11/16/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
47 ⁹	C-44	11/16/15	-	11/23/15			
48	C-44	11/23/15	-	11/30/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
49	C-44	11/30/15	-	12/8/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
50	C-44	12/8/15	-	12/14/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
51 ¹⁰	C-44	12/14/15	-	12/21/15			
52	C-44	12/21/15	-	12/28/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>

 $^{^{\}rm 8}\,$ Due to equipment maintenance and calibrations, no samples were collected.

⁹ Due to the holiday, no samples were collected.

 $^{^{10}}$ Due to the holiday, no samples were collected.

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location: Louisa County / Bumpass Volunteer Fire Station

Week #	Station	Start	Date	Ended	Cs-134 Activity pCi/meter ³	Cs-137 Activity pCi/meter ³	I-131 Activity pCi/meter ³
1	C-86	12/15/14	-	1/5/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
2	C-86	1/5/15	-	1/12/15	8.35E-2	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
3 ¹	C-86	1/12/15	-	1/20/15			
4 ²	C-86	1/20/15	-	1/26/15			
5	C-86	1/26/15	-	2/2/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
6	C-86	2/2/15	-	2/9/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
7 ³	C-86	2/9/15	-	2/16/15			
84	C-86	2/16/15	-	2/23/15			
9	C-86	2/23/15	-	3/2/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
10	C-86	3/2/15	-	3/9/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
11 ⁵	C-86	3/9/15	-	3/16/15			
12	C-86	3/16/15	-	3/23/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
13	C-86	3/23/15	-	3/30/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
14	C-86	3/30/15	-	4/6/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
15	C-86	4/6/15	-	4/13/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
16	C-86	4/13/15	-	4/20/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
17	C-86	4/20/15	-	4/27/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
18	C-86	4/27/15	-	5/4/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
19	C-86	5/4/15	-	5/11/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
20	C-86	5/11/15	-	5/18/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
21	C-86	5/18/15	-	5/26/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>

 $^{^{\}rm 1}$ Due to VDOT using power receptacles, no sample results available.

² Due to equipment malfunction, no results are available.

³ Due to holiday and/or winter weather, no samples were collected.

⁴ Due to equipment maintenance, no samples were collected.

⁵ Due to deployment of the mobile laboratory, no samples were collected.

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location: Louisa County / Bumpass Volunteer Fire Station - continued

Week	Station	Start	Date	Ended	Cs-134 Activity pCi/meter ³	Cs-137 Activity pCi/meter ³	I-131 Activity pCi/meter ³
#	0.00	E/00/4E		0/4/45		•	NAD A
22	C-86	5/26/15	-	6/1/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
23 ⁶	C-86	6/1/15	-	6/8/15			
24	C-86	6/8/15	-	6/15/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
25	C-86	6/15/15	-	6/22/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
26 ⁷	C-86	6/22/15	-	6/29/15			
27	C-86	6/29/15	-	7/6/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
28	C-86	7/6/15	-	7/13/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
29	C-86	7/13/15	-	7/20/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
30	C-86	7/20/15	-	7/27/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
31	C-86	7/27/15	-	8/3/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
32	C-86	8/3/15	-	8/10/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
33	C-86	8/10/15	-	8/17/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
34	C-86	8/17/15	-	8/24/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
35	C-86	8/24/15	-	8/31/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
36	C-86	8/31/15	-	9/8/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
37 ⁸	C-86	9/8/15	-	9/14/15			
38	C-86	9/14/15	-	9/21/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
39	C-86	9/21/15	-	9/28/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
40	C-86	9/28/15	-	10/5/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
41	C-86	10/5/15	-	10/13/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>

 $^{^{\}rm 6}$ Due to participation in EPA training, no samples were collected.

 $^{^{7}}$ Due to equipment installation and holiday, no samples were collected.

⁸ Due to participation in VA HAZMAT Conference, no samples were collected.

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location: Louisa County / Bumpass Volunteer Fire Station - continued

			Date		Cs-134	Cs-137	I-131 Activity
Week #	Station	Start		Ended	Activity pCi/meter ³	Activity pCi/meter ³	pCi/meter ³
42	C-86	10/13/15	-	10/19/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
43	C-86	10/19/15	-	10/26/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
44 ⁹	C-86	10/26/15	-	11/2/15			
45	C-86	11/2/15	-	11/9/15	1.18E-2	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
46	C-86	11/9/15	-	11/16/15	11/16/15 1.65E-2		<mda< td=""></mda<>
47 ¹⁰	C-86	11/16/15	-	11/23/15			
48	C-86	11/23/15	-	11/30/15	1.30E-2	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
49	C-86	11/30/15	-	12/8/15	8.19E-2	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
50	C-86	12/8/15	-	12/14/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
51 ¹¹	C-86	12/14/15	-	12/21/15			
52	C-86	12/21/15	-	12/28/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>

 $^{^{9}\,}$ Due to equipment maintenance and calibrations, no samples were collected.

 $^{^{\}mbox{\scriptsize 10}}$ Due to the holiday, no samples were collected.

 $^{^{11}}$ Due to the holiday, no samples were collected.

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location: Louisa County / Route 700

Week #	Station	Start	Date	Ended	Cs-134 Activity pCi/meter ³	Cs-137 Activity pCi/meter ³	I-131 Activity pCi/meter ³
1	C-88	12/15/14	-	1/5/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
2	C-88	1/5/15	-	1/12/15	1/12/15 <mda< td=""><td><mda< td=""></mda<></td></mda<>		<mda< td=""></mda<>
3	C-88	1/12/15	-	1/20/15	2.94E-2	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
4 ¹	C-88	1/20/15	-	1/26/15			
5	C-88	1/26/15	-	2/2/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
6	C-88	2/2/15	-	2/9/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
7 ²	C-88	2/9/15	-	2/16/15			
8 ³	C-88	2/16/15	-	2/23/15			
9	C-88	2/23/15	-	3/2/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
10	C-88	3/2/15	-	3/9/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
11 ⁴	C-88	3/9/15	-	3/16/15			
12	C-88	3/16/15	-	3/23/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
13	C-88	3/23/15	-	3/30/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
14	C-88	3/30/15	-	4/6/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
15	C-88	4/6/15	-	4/13/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
16	C-88	4/13/15	-	4/20/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
17	C-88	4/20/15	-	4/27/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
18	C-88	4/27/15	-	5/4/15	5/4/15 <mda< td=""><td><mda< td=""></mda<></td></mda<>		<mda< td=""></mda<>
19	C-88	5/4/15	-	5/11/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
20	C-88	5/11/15	-	5/18/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
21	C-88	5/18/15	-	5/26/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>

¹ Due to equipment malfunction, no results are available.

 $^{^{\}rm 2}$ Due to holiday and/or winter weather, no samples were collected.

 $^{^{\}rm 3}$ Due to equipment maintenance, no samples were collected.

⁴ Due to deployment of the mobile laboratory, no samples were collected.

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location: Louisa County / Route 700 - continued

Week #	Station	Start	Date	Ended	Cs-134 Activity pCi/meter ³	Cs-137 Activity pCi/meter ³	I-131 Activity pCi/meter ³
22	C-88	5/26/15	-	6/1/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
23 ⁵	C-88	6/1/15	-	6/8/15			
24	C-88	6/8/15	-	6/15/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
25	C-88	6/15/15	-	6/22/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
26 ⁶	C-88	6/22/15	-	6/29/15			
27	C-88	6/29/15	-	7/6/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
28	C-88	7/6/15	-	7/13/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
29	C-88	7/13/15	-	7/20/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
30	C-88	7/20/15	-	7/27/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
31	C-88	7/27/15	-	8/3/15	<mda< td=""><td>2.98E-2</td><td><mda< td=""></mda<></td></mda<>	2.98E-2	<mda< td=""></mda<>
32	C-88	8/3/15	-	8/10/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
33	C-88	8/10/15	-	8/17/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
34	C-88	8/17/15	-	8/24/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
35	C-88	8/24/15	-	8/31/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
36	C-88	8/31/15	-	9/8/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
37 ⁷	C-88	9/8/15	-	9/14/15			
38	C-88	9/14/15	-	9/21/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
39	C-88	9/21/15	-	9/28/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
40	C-88	9/28/15	-	10/5/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>
41	C-88	10/5/15	-	10/13/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>

 $^{^{\}rm 5}$ Due to participation in EPA training, no samples were collected.

 $^{^{6}}$ Due to equipment installation and holiday, no samples were collected.

⁷ Due to participation in VA HAZMAT Conference, no samples were collected.

January 1, 2015 through December 31, 2015

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Location: Louisa County / Route 700 - continued

			Date		Cs-134	Cs-137	I-131 Activity	
Week #	Station	Start		Ended	Activity pCi/meter ³	Activity pCi/meter ³	pCi/meter ³	
42	C-88	10/13/15	-	10/19/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>	
43	C-88	10/19/15	-	10/26/15	6.64E-2	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>	
44 ⁸	C-88	10/26/15	-	11/2/15				
45	C-88	11/2/15	-	11/9/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>	
46	C-88	11/9/15	-	11/16/15	11/16/15 <mda< td=""><td><mda< td=""></mda<></td></mda<>		<mda< td=""></mda<>	
47 ⁹	C-88	11/16/15	-	11/23/15				
48	C-88	11/23/15	-	11/30/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>	
49	C-88	11/30/15	-	12/8/15	5.61E-2	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>	
50	C-88	12/8/15	-	12/14/15	<mda< td=""><td><mda< td=""><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>	
51 ¹⁰	C-88	12/14/15	-	12/21/15				
52	C-88	12/21/15	-	12/28/15	4.52E-2	<mda< td=""><td><mda< td=""></mda<></td></mda<>	<mda< td=""></mda<>	

 $^{^{\}rm 8}\,$ Due to equipment maintenance and calibrations, no samples were collected.

⁹ Due to the holiday, no samples were collected.

 $^{^{10}}$ Due to the holiday, no samples were collected.

Virginia Department of Health Silt¹

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location	Date collected	Gross Beta pCi/gram of Silt	
James River Pier 1	3/24/15	19.2 +/- 4.5	
Newport News Shipyard S-15	6/17/15	31.6 +/- 5.4	
	9/15/15		
	12/11/15		

 $\overline{}^{1}$ Results for the 3^{rd} and 4^{th} quarters have not been received from DCLS.

Virginia Department of Health Silt¹

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location	Date collected	Gross Beta pCi/gram of Silt
James River Shipway 11 Newport News Shipyard	3/24/15	13.6 +/- 4.0
S-16	N/A ²	
	9/15/15	
	12/11/15	

 $^{^{\}rm 1}$ Results for the $3^{\rm rd}$ and $4^{\rm th}$ quarters have not been received from DCLS. $^{\rm 2}$ Sample area had been dredged and sample could not be collected.

Virginia Department of Health Silt¹

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Elizabeth River – Dry Dock #8 Norfolk Naval Shipyard S-18

Quarter	Date collected	Gam	ma Activity – p	Ci/gram	Gross Beta pCi/gram (DRY)	Gross Alpha pCi/gram (DRY)	
		Cs-134	Cs-137	Co-58	C0-60		
1 st	3/24/15	<mda< td=""><td>0.02 +/- 0.01</td><td><mda< td=""><td><mda< td=""><td>26.2 +/- 4.9</td><td>13.1 +/- 8.0</td></mda<></td></mda<></td></mda<>	0.02 +/- 0.01	<mda< td=""><td><mda< td=""><td>26.2 +/- 4.9</td><td>13.1 +/- 8.0</td></mda<></td></mda<>	<mda< td=""><td>26.2 +/- 4.9</td><td>13.1 +/- 8.0</td></mda<>	26.2 +/- 4.9	13.1 +/- 8.0
2^{nd}	6/17/15	<mda< td=""><td>0.02 +/- 0.01</td><td><mda< td=""><td><mda< td=""><td>31.5 +/- 5.4</td><td>18.2.+/- 8.5</td></mda<></td></mda<></td></mda<>	0.02 +/- 0.01	<mda< td=""><td><mda< td=""><td>31.5 +/- 5.4</td><td>18.2.+/- 8.5</td></mda<></td></mda<>	<mda< td=""><td>31.5 +/- 5.4</td><td>18.2.+/- 8.5</td></mda<>	31.5 +/- 5.4	18.2.+/- 8.5
3 rd	9/15/15						
4 th	12/16/15						

Elizabeth River – Dry Dock #4 Norfolk Naval Shipyard S-19

Quarter	Date collected	Gam	ma Activity – p	Ci/gram	Gross Beta pCi/gram (DRY)	Gross Alpha pCi/gram (DRY)	
	Cs-134 Cs-137 Co-58 C0-60		powgram (BRT)	pongram (orti)			
1 st	3/24/15	<mda< td=""><td>0.02 +/- 0.01</td><td><mda< td=""><td><mda< td=""><td>27.3 +/- 5.1</td><td>17.6 +/- 8.6</td></mda<></td></mda<></td></mda<>	0.02 +/- 0.01	<mda< td=""><td><mda< td=""><td>27.3 +/- 5.1</td><td>17.6 +/- 8.6</td></mda<></td></mda<>	<mda< td=""><td>27.3 +/- 5.1</td><td>17.6 +/- 8.6</td></mda<>	27.3 +/- 5.1	17.6 +/- 8.6
2 nd	6/17/15	<mda< th=""><th>0.02 +/- 0.01</th><th><mda< th=""><th><mda< th=""><th>28.2 +/- 5.2</th><th>21.4 +/- 9.2</th></mda<></th></mda<></th></mda<>	0.02 +/- 0.01	<mda< th=""><th><mda< th=""><th>28.2 +/- 5.2</th><th>21.4 +/- 9.2</th></mda<></th></mda<>	<mda< th=""><th>28.2 +/- 5.2</th><th>21.4 +/- 9.2</th></mda<>	28.2 +/- 5.2	21.4 +/- 9.2
3 rd	9/15/15						
4 th	12/16/15						

 $^{^{\}mathrm{1}}$ Results for the 3^{rd} and 4^{th} quarters have not been received from DCLS.

Virginia Department of Health Silt²

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Elizabeth River – Wet slip #1 Norfolk Naval Shipyard S-20

Quarter	Date collected	Gam	ma Activity – p	Ci/gram	Gross Beta pCi/gram (DRY)	Gross Alpha pCi/gram (DRY)		
	Conected	Cs-134	Cs-137	Co-58	C0-60	poligiam (bit1)		
1 st	3/24/15	<mda< th=""><th>0.02 +/- 0.01</th><th><mda< th=""><th><mda< th=""><th>25.0 +/- 4.8</th><th>11.3 +/- 6.0</th></mda<></th></mda<></th></mda<>	0.02 +/- 0.01	<mda< th=""><th><mda< th=""><th>25.0 +/- 4.8</th><th>11.3 +/- 6.0</th></mda<></th></mda<>	<mda< th=""><th>25.0 +/- 4.8</th><th>11.3 +/- 6.0</th></mda<>	25.0 +/- 4.8	11.3 +/- 6.0	
2 nd	6/17/15	<mda< th=""><th>0.03 +/- 0.01</th><th><mda< th=""><th><mda< th=""><th>29.1 +/- 5.1</th><th>13.7 +/- 7.2</th></mda<></th></mda<></th></mda<>	0.03 +/- 0.01	<mda< th=""><th><mda< th=""><th>29.1 +/- 5.1</th><th>13.7 +/- 7.2</th></mda<></th></mda<>	<mda< th=""><th>29.1 +/- 5.1</th><th>13.7 +/- 7.2</th></mda<>	29.1 +/- 5.1	13.7 +/- 7.2	
3 rd	9/15/15							
4 th	12/16/15							

 $^{^{\}rm 2}$ Results for the $3^{\rm rd}$ and $4^{\rm th}$ quarters have not been received from DCLS.

Virginia Department of Health Silt

January 1, 2015 through December 31, 2015

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James River – Surry Power Station Discharge Canal S-17

Quarter	Date Gamma Activity – pCi/gram (wet) collected		Gross Beta pCi/gram (DRY)				
		Cs-134	Cs-137	Co-58	Co-60	porgram (Brt)	
1 st	2/23/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>5.0 +/- 3.5</th><th></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>5.0 +/- 3.5</th><th></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>5.0 +/- 3.5</th><th></th></mda<></th></mda<>	<mda< th=""><th>5.0 +/- 3.5</th><th></th></mda<>	5.0 +/- 3.5	
2 nd	N/A						
3 rd	8/11/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>5.8 +/- 3.3</th><th></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>5.8 +/- 3.3</th><th></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>5.8 +/- 3.3</th><th></th></mda<></th></mda<>	<mda< th=""><th>5.8 +/- 3.3</th><th></th></mda<>	5.8 +/- 3.3	
4 th	N/A						

North Anna Power Station Waste Treatment S-24

Quarter	Date collected	Gamn	na Activity	Gross Beta pCi/gram (DRY)		
	Jonetica	Cs-134	Cs-137	Co-58	Co-60	
1 st	N/A					
2 nd	4/29/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>2.3 +/- 2.1</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>2.3 +/- 2.1</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>2.3 +/- 2.1</td></mda<></td></mda<>	<mda< td=""><td>2.3 +/- 2.1</td></mda<>	2.3 +/- 2.1
3 rd	N/A					
4 th	N/A*					

N/A: Sample was not collected this quarter.

Note: Silt samples are collected bi-annually.

^{*} No sample provided by Dominion for second half of year.

Virginia Department of Health SURFACE WATER¹

January 1, 2015 through December 31, 2015

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James River – Pier 1 Newport News Shipyard W-15

Qtr	Date collected		Gamma Activity – pCi/liter							
		Ba-140	Cs-137	I-131	Mn-54	Zn-65	Zr95/Nb95	pCi/liter		
1 st	3/24/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>141.3 +/- 39.2</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>141.3 +/- 39.2</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>141.3 +/- 39.2</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>141.3 +/- 39.2</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>141.3 +/- 39.2</td></mda<></td></mda<>	<mda< td=""><td>141.3 +/- 39.2</td></mda<>	141.3 +/- 39.2		
2 nd	6/17/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>176.8 +/- 30.2</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>176.8 +/- 30.2</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>176.8 +/- 30.2</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>176.8 +/- 30.2</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>176.8 +/- 30.2</th></mda<></th></mda<>	<mda< th=""><th>176.8 +/- 30.2</th></mda<>	176.8 +/- 30.2		
3 rd	9/15/15									
4 th	12/11/15									

James River – Shipway #11 Newport News Shipyard W-16

Qtr	Date collected		Ga	mma Act	ivity – pC	i/liter		Gross Beta pCi/liter
		Ba-140	Cs-137	I-131	Mn-54	Zn-65	Zr95/Nb95	P • · · · · · · · · · · · · · · · · · ·
1 st	3/25/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>121.4 +/- 39.4</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>121.4 +/- 39.4</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>121.4 +/- 39.4</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>121.4 +/- 39.4</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>121.4 +/- 39.4</th></mda<></th></mda<>	<mda< th=""><th>121.4 +/- 39.4</th></mda<>	121.4 +/- 39.4
2^{nd}	6/17/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>202.4 +/- 32.3</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>202.4 +/- 32.3</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>202.4 +/- 32.3</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>202.4 +/- 32.3</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>202.4 +/- 32.3</th></mda<></th></mda<>	<mda< th=""><th>202.4 +/- 32.3</th></mda<>	202.4 +/- 32.3
3 rd	9/15/15							
4 th	12/11/15							

 $^{^{1}}$ Results for the $3^{\rm rd}$ and $4^{\rm th}$ quarters have not been received from DCLS.

Virginia Department of Health SURFACE WATER²

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Elizabeth River – Dry Dock #4 Norfolk Naval Shipyard W-37

Qtr	Date		Gar	nma Acti	vity – pC	i/liter		Gross	Gross
	collected	Ba-140	Cs-137	I-131	Mn-54	Zn-65	Zr95/Nb95	Beta	Alpha
1 st	3/24/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>173.1 +/- 42.3</th><th>9.5 +/- 114.3</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>173.1 +/- 42.3</th><th>9.5 +/- 114.3</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>173.1 +/- 42.3</th><th>9.5 +/- 114.3</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>173.1 +/- 42.3</th><th>9.5 +/- 114.3</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>173.1 +/- 42.3</th><th>9.5 +/- 114.3</th></mda<></th></mda<>	<mda< th=""><th>173.1 +/- 42.3</th><th>9.5 +/- 114.3</th></mda<>	173.1 +/- 42.3	9.5 +/- 114.3
2 nd	6/17/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>220.1 +/- 31</th><th>0+/- 22.6</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>220.1 +/- 31</th><th>0+/- 22.6</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>220.1 +/- 31</th><th>0+/- 22.6</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>220.1 +/- 31</th><th>0+/- 22.6</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>220.1 +/- 31</th><th>0+/- 22.6</th></mda<></th></mda<>	<mda< th=""><th>220.1 +/- 31</th><th>0+/- 22.6</th></mda<>	220.1 +/- 31	0+/- 22.6
3 rd	9/15/15								
4 th	12/16/15								

Elizabeth River – Wet Slip #1 Norfolk Naval Shipyard W-38

Qtr	Date collected		Gar	nma Acti	vity – pC	i/liter		Gross Beta	Gross Alpha	
		Ba-140	Cs-137	I-131	Mn-54	Zn-65	Zr95/Nb95		7 pu	
1 st	3/24/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>149.2 +/- 41.5</th><th>0.0 +/- 68.9</th><th></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>149.2 +/- 41.5</th><th>0.0 +/- 68.9</th><th></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>149.2 +/- 41.5</th><th>0.0 +/- 68.9</th><th></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>149.2 +/- 41.5</th><th>0.0 +/- 68.9</th><th></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>149.2 +/- 41.5</th><th>0.0 +/- 68.9</th><th></th></mda<></th></mda<>	<mda< th=""><th>149.2 +/- 41.5</th><th>0.0 +/- 68.9</th><th></th></mda<>	149.2 +/- 41.5	0.0 +/- 68.9	
2 nd	6/17/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>193.6 +/- 31.8</th><th>12.3 +/- 24</th><th></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>193.6 +/- 31.8</th><th>12.3 +/- 24</th><th></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>193.6 +/- 31.8</th><th>12.3 +/- 24</th><th></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>193.6 +/- 31.8</th><th>12.3 +/- 24</th><th></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>193.6 +/- 31.8</th><th>12.3 +/- 24</th><th></th></mda<></th></mda<>	<mda< th=""><th>193.6 +/- 31.8</th><th>12.3 +/- 24</th><th></th></mda<>	193.6 +/- 31.8	12.3 +/- 24	
3 rd	9/15/15									
4 th	12/16/15									

 $^{^{2}}$ Results for the $3^{\rm rd}$ and $4^{\rm th}$ quarters have not been received from DCLS.

Virginia Department of Health SURFACE WATER³

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Elizabeth River – Dry Dock #8 Norfolk Naval Shipyard W-39

Qtr	Date collected		Gan	nma Acti	vity – pC	i/liter		Gross Beta	Gross Alpha
	conceted	Ba-140	Cs-137	I-131	Mn-54	Zn-65	Zr95/Nb9 5	Deta	Aipila
1 st	3/24/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>157.1 +/- 42.4</th><th>0.0 +/- 94.3</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>157.1 +/- 42.4</th><th>0.0 +/- 94.3</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>157.1 +/- 42.4</th><th>0.0 +/- 94.3</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>157.1 +/- 42.4</th><th>0.0 +/- 94.3</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>157.1 +/- 42.4</th><th>0.0 +/- 94.3</th></mda<></th></mda<>	<mda< th=""><th>157.1 +/- 42.4</th><th>0.0 +/- 94.3</th></mda<>	157.1 +/- 42.4	0.0 +/- 94.3
2 nd	6/17/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>211 +/- 32.1</th><th>3.4 +/- 26.4</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>211 +/- 32.1</th><th>3.4 +/- 26.4</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>211 +/- 32.1</th><th>3.4 +/- 26.4</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>211 +/- 32.1</th><th>3.4 +/- 26.4</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>211 +/- 32.1</th><th>3.4 +/- 26.4</th></mda<></th></mda<>	<mda< th=""><th>211 +/- 32.1</th><th>3.4 +/- 26.4</th></mda<>	211 +/- 32.1	3.4 +/- 26.4
3 rd	9/15/15								
4 th	12/16/15								

 $^{^3}$ Results for the 3^{rd} and 4^{th} quarters have not been received from DCLS.

January 1, 2015 through December 31, 2015

Surry Power Station – Discharge Canal - W-19 Gamma, Beta, and Tritium Activity - pCi/liter

5.4	_	_	•	•	•			_	7 / 1 · ·		
Date	Ba-	Cs-	Cs-	Co-	Co-	- 424	Mn-	Zn-	Zr/Nb	Gross Beta	Н3
	140	134	137	58	60	131	54	65	95		Activity
1/5/15	No san	nple co	llecte	d							
1/12/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<>	<mda< th=""><th></th><th>150 +/- 30</th></mda<>		150 +/- 30
1/20/15D	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>66.7 +/- 34.9</th><th></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>66.7 +/- 34.9</th><th></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>66.7 +/- 34.9</th><th></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>66.7 +/- 34.9</th><th></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>66.7 +/- 34.9</th><th></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>66.7 +/- 34.9</th><th></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>66.7 +/- 34.9</th><th></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>66.7 +/- 34.9</th><th></th></mda<></th></mda<>	<mda< th=""><th>66.7 +/- 34.9</th><th></th></mda<>	66.7 +/- 34.9	
1/20/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<>	<mda< th=""><th></th><th>225 +/- 30</th></mda<>		225 +/- 30
1/26/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>225 +/- 30</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>225 +/- 30</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>225 +/- 30</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>225 +/- 30</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>225 +/- 30</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>225 +/- 30</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>225 +/- 30</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td>225 +/- 30</td></mda<></td></mda<>	<mda< td=""><td></td><td>225 +/- 30</td></mda<>		225 +/- 30
2/2/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>450 +/- 43</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>450 +/- 43</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>450 +/- 43</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>450 +/- 43</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>450 +/- 43</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>450 +/- 43</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>450 +/- 43</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td>450 +/- 43</td></mda<>	< M D A		450 +/- 43
2/9/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<>	<mda< th=""><th></th><th>225 +/- 30</th></mda<>		225 +/- 30
2/16/15	No san	mple co	llecte	đ							
2/23/15	No san	mple co	llecte	d							
3/2/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>225 +/- 30</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>225 +/- 30</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>225 +/- 30</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>225 +/- 30</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>225 +/- 30</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>225 +/- 30</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>225 +/- 30</td></mda<></td></mda<>	<mda< td=""><td>< MDA</td><td></td><td>225 +/- 30</td></mda<>	< MDA		225 +/- 30
3/9/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>676 +/- 53</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>676 +/- 53</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>676 +/- 53</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>676 +/- 53</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>676 +/- 53</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>676 +/- 53</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>676 +/- 53</td></mda<></td></mda<>	<mda< td=""><td>< MDA</td><td></td><td>676 +/- 53</td></mda<>	< MDA		676 +/- 53
3/16/15						No		e coll			
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3/30/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>676 +/- 52</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>676 +/- 52</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>676 +/- 52</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>676 +/- 52</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>676 +/- 52</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>676 +/- 52</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>676 +/- 52</td></mda<></td></mda<>	<mda< td=""><td>< MDA</td><td></td><td>676 +/- 52</td></mda<>	< MDA		676 +/- 52
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4/20/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>601 +/- 52</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>601 +/- 52</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>601 +/- 52</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>601 +/- 52</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>601 +/- 52</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>601 +/- 52</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>601 +/- 52</td></mda<></td></mda<>	<mda< td=""><td>< MDA</td><td></td><td>601 +/- 52</td></mda<>	< MDA		601 +/- 52
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5/18/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2027 +/- 90</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2027 +/- 90</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2027 +/- 90</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2027 +/- 90</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2027 +/- 90</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2027 +/- 90</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2027 +/- 90</td></mda<></td></mda<>	<mda< td=""><td>< MDA</td><td></td><td>2027 +/- 90</td></mda<>	< MDA		2027 +/- 90
5/26/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2102 +/- 96</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2102 +/- 96</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2102 +/- 96</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2102 +/- 96</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2102 +/- 96</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2102 +/- 96</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2102 +/- 96</td></mda<></td></mda<>	<mda< td=""><td>< MDA</td><td></td><td>2102 +/- 96</td></mda<>	< MDA		2102 +/- 96
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7/20/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>751 +/- 52</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>751 +/- 52</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>751 +/- 52</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>751 +/- 52</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>751 +/- 52</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>751 +/- 52</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>751 +/- 52</td></mda<></td></mda<>	<mda< td=""><td>< MDA</td><td></td><td>751 +/- 52</td></mda<>	< MDA		751 +/- 52
7/27/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td><mda< td=""></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td><mda< td=""></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td><mda< td=""></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td><mda< td=""></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td><mda< td=""></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td><mda< td=""></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td>< MDA</td><td></td><td><mda< td=""></mda<></td></mda<>	< MDA		<mda< td=""></mda<>
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8/17/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>1051 +/- 59</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>1051 +/- 59</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>1051 +/- 59</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>1051 +/- 59</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>1051 +/- 59</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>1051 +/- 59</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>1051 +/- 59</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td>1051 +/- 59</td></mda<>	< M D A		1051 +/- 59
8/24/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>826 +/- 60</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>826 +/- 60</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>826 +/- 60</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>826 +/- 60</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>826 +/- 60</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>826 +/- 60</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>826 +/- 60</td></mda<></td></mda<>	<mda< td=""><td>< MDA</td><td></td><td>826 +/- 60</td></mda<>	< MDA		826 +/- 60
8/31/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>751 +/- 52</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>751 +/- 52</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>751 +/- 52</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>751 +/- 52</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>751 +/- 52</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>751 +/- 52</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>751 +/- 52</td></mda<></td></mda<>	<mda< td=""><td>< MDA</td><td></td><td>751 +/- 52</td></mda<>	< MDA		751 +/- 52
9/8/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>901 +/- 60</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>901 +/- 60</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>901 +/- 60</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>901 +/- 60</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>901 +/- 60</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>901 +/- 60</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>901 +/- 60</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td>901 +/- 60</td></mda<>	< M D A		901 +/- 60
9/14/15	No san	mple co	llecte	d							
9/21/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>300 +/- 30</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>300 +/- 30</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>300 +/- 30</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>300 +/- 30</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>300 +/- 30</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>300 +/- 30</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>300 +/- 30</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td>300 +/- 30</td></mda<>	< M D A		300 +/- 30
9/28/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>751 +/- 54</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>751 +/- 54</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>751 +/- 54</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>751 +/- 54</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>751 +/- 54</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>751 +/- 54</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>751 +/- 54</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td>751 +/- 54</td></mda<>	< M D A		751 +/- 54
10/5/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>300 +/- 61</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>300 +/- 61</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>300 +/- 61</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>300 +/- 61</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>300 +/- 61</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>300 +/- 61</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>300 +/- 61</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td>300 +/- 61</td></mda<>	< M D A		300 +/- 61
10/13/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>976 +/- 60</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>976 +/- 60</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>976 +/- 60</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>976 +/- 60</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>976 +/- 60</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>976 +/- 60</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>976 +/- 60</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td>976 +/- 60</td></mda<>	< M D A		976 +/- 60
10/19/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3754 +/- 109</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3754 +/- 109</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3754 +/- 109</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3754 +/- 109</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3754 +/- 109</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3754 +/- 109</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3754 +/- 109</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td>3754 +/- 109</td></mda<>	< M D A		3754 +/- 109
10/26/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>150 +/- 30</th></mda<></th></mda<>	<mda< th=""><th>< M D A</th><th></th><th>150 +/- 30</th></mda<>	< M D A		150 +/- 30

¹ The sample result indicated a release may have been in progress. Surry Power Station was contacted and a release permit was obtained.

January 1, 2015 through December 31, 2015

Surry Power Station – Discharge Canal - W-19 (<u>continued</u>) Gamma, Beta, and Tritium Activity – pCi/liter

Date	Ва-	Cs-	Cs-	Co-	Co-	I-	Mn-	Zn-	Zr/Nb	Gross Beta	Н3
	140	134	137	58	60	131	54	65	95		Activity
11/2/15	No sam	mple co	llecte	d							
11/9/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>1877 +/- 85</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>1877 +/- 85</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>1877 +/- 85</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>1877 +/- 85</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>1877 +/- 85</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>1877 +/- 85</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>1877 +/- 85</th></mda<></th></mda<>	<mda< th=""><th>< MDA</th><th></th><th>1877 +/- 85</th></mda<>	< MDA		1877 +/- 85
11/16/15D ²											
11/16/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>450 +/- 42</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>450 +/- 42</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>450 +/- 42</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>450 +/- 42</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>450 +/- 42</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>450 +/- 42</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>450 +/- 42</th></mda<></th></mda<>	<mda< th=""><th>< M D A</th><th></th><th>450 +/- 42</th></mda<>	< M D A		450 +/- 42
11/23/15	No san	mple co	llecte	d							
11/30/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>1126 +/- 67</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>1126 +/- 67</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>1126 +/- 67</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>1126 +/- 67</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>1126 +/- 67</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>1126 +/- 67</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>1126 +/- 67</th></mda<></th></mda<>	<mda< th=""><th>< M D A</th><th></th><th>1126 +/- 67</th></mda<>	< M D A		1126 +/- 67
12/8/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>1426 +/- 74</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>1426 +/- 74</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>1426 +/- 74</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>1426 +/- 74</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>1426 +/- 74</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>1426 +/- 74</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>1426 +/- 74</th></mda<></th></mda<>	<mda< th=""><th>< M D A</th><th></th><th>1426 +/- 74</th></mda<>	< M D A		1426 +/- 74
12/14/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th><mda< th=""></mda<></th></mda<></th></mda<>	<mda< th=""><th>< MDA</th><th></th><th><mda< th=""></mda<></th></mda<>	< MDA		<mda< th=""></mda<>
12/21/15	No san	mple co	llecte	d							
12/28/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>526 +/- 43</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>526 +/- 43</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>526 +/- 43</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>526 +/- 43</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>526 +/- 43</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>526 +/- 43</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>526 +/- 43</th></mda<></th></mda<>	<mda< th=""><th>< M D A</th><th></th><th>526 +/- 43</th></mda<>	< M D A		526 +/- 43

D = sample analyzed by DCLS

 $^{^{2}\ 4^{\}text{th}}$ quarter results have not been received from DCLS.

January 1, 2015 through December 31, 2015

North Anna River - W-27 / baseline Gamma, Beta and Tritium Activity – pCi/liter

Date	Ва-	Cs-	Cs-	Co-	Co-	I-131	Mn-	Zn-	Zr/Nb	Gross Beta	H3
	140	134	137	58	60		54	65	95		Activity
1/5/15	No sa	ample	collec	ted							
1/12/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<>	<mda< th=""><th></th><th><mda< th=""></mda<></th></mda<>		<mda< th=""></mda<>
1/20/15D	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th>1.6 +/- 0.7</th><th></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th>1.6 +/- 0.7</th><th></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th>1.6 +/- 0.7</th><th></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th>1.6 +/- 0.7</th><th></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th>1.6 +/- 0.7</th><th></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th>1.6 +/- 0.7</th><th></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< M D A</th><th>1.6 +/- 0.7</th><th></th></mda<></th></mda<>	<mda< th=""><th>< M D A</th><th>1.6 +/- 0.7</th><th></th></mda<>	< M D A	1.6 +/- 0.7	
1/20/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th><mda< th=""></mda<></th></mda<></th></mda<>	<mda< th=""><th>< M D A</th><th></th><th><mda< th=""></mda<></th></mda<>	< M D A		<mda< th=""></mda<>
1/26/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th><mda< th=""></mda<></th></mda<></th></mda<>	<mda< th=""><th>< M D A</th><th></th><th><mda< th=""></mda<></th></mda<>	< M D A		<mda< th=""></mda<>
2/2/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>300 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>300 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>300 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>300 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>300 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>300 +/- 30</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>300 +/- 30</th></mda<></th></mda<>	<mda< th=""><th>< M D A</th><th></th><th>300 +/- 30</th></mda<>	< M D A		300 +/- 30
2/9/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>1276 +/- 74</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>1276 +/- 74</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>1276 +/- 74</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>1276 +/- 74</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>1276 +/- 74</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>1276 +/- 74</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>1276 +/- 74</th></mda<></th></mda<>	<mda< th=""><th>< M D A</th><th></th><th>1276 +/- 74</th></mda<>	< M D A		1276 +/- 74
2/16/15			collec								
2/23/15		_	collec								150 / 00
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3/23/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th></th><th><mda< th=""><th>< MDA</th><th></th><th>233 +/- 100</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th></th><th><mda< th=""><th>< MDA</th><th></th><th>233 +/- 100</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th></th><th><mda< th=""><th>< MDA</th><th></th><th>233 +/- 100</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th></th><th><mda< th=""><th>< MDA</th><th></th><th>233 +/- 100</th></mda<></th></mda<></th></mda<>	<mda< th=""><th></th><th></th><th><mda< th=""><th>< MDA</th><th></th><th>233 +/- 100</th></mda<></th></mda<>			<mda< th=""><th>< MDA</th><th></th><th>233 +/- 100</th></mda<>	< MDA		233 +/- 100
3/30/15 4/6/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>·</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>·</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>·</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>·</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>·</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>·</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>·</th></mda<></th></mda<>	<mda< th=""><th>< MDA</th><th></th><th>·</th></mda<>	< MDA		·
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4/20/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<>	<mda< th=""><th></th><th>225 +/- 30</th></mda<>		225 +/- 30
4/27/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<>	<mda< th=""><th></th><th><mda< th=""></mda<></th></mda<>		<mda< th=""></mda<>
5/4/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<>	<mda< th=""><th></th><th>150 +/- 30</th></mda<>		150 +/- 30
5/11/15D	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>2.7 +/- 0.6</th><th>130 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>2.7 +/- 0.6</th><th>130 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>2.7 +/- 0.6</th><th>130 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>2.7 +/- 0.6</th><th>130 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>2.7 +/- 0.6</th><th>130 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>2.7 +/- 0.6</th><th>130 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>2.7 +/- 0.6</th><th>130 +/- 30</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>2.7 +/- 0.6</th><th>130 +/- 30</th></mda<></th></mda<>	<mda< th=""><th>2.7 +/- 0.6</th><th>130 +/- 30</th></mda<>	2.7 +/- 0.6	130 +/- 30
5/11/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>2.7 +/- 0.0</th><th>1201 +/- 75</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>2.7 +/- 0.0</th><th>1201 +/- 75</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>2.7 +/- 0.0</th><th>1201 +/- 75</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>2.7 +/- 0.0</th><th>1201 +/- 75</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>2.7 +/- 0.0</th><th>1201 +/- 75</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>2.7 +/- 0.0</th><th>1201 +/- 75</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>2.7 +/- 0.0</th><th>1201 +/- 75</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>2.7 +/- 0.0</th><th>1201 +/- 75</th></mda<></th></mda<>	<mda< th=""><th>2.7 +/- 0.0</th><th>1201 +/- 75</th></mda<>	2.7 +/- 0.0	1201 +/- 75
5/18/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>450 +/- 42</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>450 +/- 42</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>450 +/- 42</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>450 +/- 42</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>450 +/- 42</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>450 +/- 42</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>450 +/- 42</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th>450 +/- 42</th></mda<></th></mda<>	<mda< th=""><th></th><th>450 +/- 42</th></mda<>		450 +/- 42
5/26/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1802 +/- 86</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1802 +/- 86</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1802 +/- 86</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1802 +/- 86</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1802 +/- 86</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1802 +/- 86</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1802 +/- 86</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th>1802 +/- 86</th></mda<></th></mda<>	<mda< th=""><th></th><th>1802 +/- 86</th></mda<>		1802 +/- 86
6/1/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>751 +/- 52</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>751 +/- 52</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>751 +/- 52</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>751 +/- 52</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>751 +/- 52</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>751 +/- 52</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>751 +/- 52</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th>751 +/- 52</th></mda<></th></mda<>	<mda< th=""><th></th><th>751 +/- 52</th></mda<>		751 +/- 52
6/8/15			collec		VIIDA	VIIDA	INDA	INDA	\IIDA		731 17 32
6/15/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1126 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1126 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1126 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1126 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1126 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1126 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1126 +/- 30</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th>1126 +/- 30</th></mda<></th></mda<>	<mda< th=""><th></th><th>1126 +/- 30</th></mda<>		1126 +/- 30
6/22/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1276 +/- 74</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1276 +/- 74</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1276 +/- 74</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1276 +/- 74</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1276 +/- 74</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1276 +/- 74</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1276 +/- 74</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th>1276 +/- 74</th></mda<></th></mda<>	<mda< th=""><th></th><th>1276 +/- 74</th></mda<>		1276 +/- 74
6/29/15			collec								, , , , ,
7/6/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1577 +/- 74</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1577 +/- 74</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1577 +/- 74</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1577 +/- 74</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1577 +/- 74</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1577 +/- 74</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>1577 +/- 74</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th>1577 +/- 74</th></mda<></th></mda<>	<mda< th=""><th></th><th>1577 +/- 74</th></mda<>		1577 +/- 74
7/13/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>2027 +/- 85</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>2027 +/- 85</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>2027 +/- 85</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>2027 +/- 85</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>2027 +/- 85</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>2027 +/- 85</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>2027 +/- 85</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th>2027 +/- 85</th></mda<></th></mda<>	<mda< th=""><th></th><th>2027 +/- 85</th></mda<>		2027 +/- 85
7/20/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>2928 +/- 103</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>2928 +/- 103</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>2928 +/- 103</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>2928 +/- 103</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>2928 +/- 103</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>2928 +/- 103</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>2928 +/- 103</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th>2928 +/- 103</th></mda<></th></mda<>	<mda< th=""><th></th><th>2928 +/- 103</th></mda<>		2928 +/- 103
7/27/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2402 +/- 95</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2402 +/- 95</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2402 +/- 95</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2402 +/- 95</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2402 +/- 95</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2402 +/- 95</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2402 +/- 95</th></mda<></th></mda<>	<mda< th=""><th>< M D A</th><th></th><th>2402 +/- 95</th></mda<>	< M D A		2402 +/- 95
8/3/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2778 +/- 100</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2778 +/- 100</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2778 +/- 100</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2778 +/- 100</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2778 +/- 100</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2778 +/- 100</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2778 +/- 100</th></mda<></th></mda<>	<mda< th=""><th>< M D A</th><th></th><th>2778 +/- 100</th></mda<>	< M D A		2778 +/- 100
8/3/15D	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th>2.5 +/- 0.3</th><th></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th>2.5 +/- 0.3</th><th></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th>2.5 +/- 0.3</th><th></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th>2.5 +/- 0.3</th><th></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th>2.5 +/- 0.3</th><th></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th>2.5 +/- 0.3</th><th></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< M D A</th><th>2.5 +/- 0.3</th><th></th></mda<></th></mda<>	<mda< th=""><th>< M D A</th><th>2.5 +/- 0.3</th><th></th></mda<>	< M D A	2.5 +/- 0.3	
8/10/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3153 +/- 113</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3153 +/- 113</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3153 +/- 113</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3153 +/- 113</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3153 +/- 113</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3153 +/- 113</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3153 +/- 113</th></mda<></th></mda<>	<mda< th=""><th>< M D A</th><th></th><th>3153 +/- 113</th></mda<>	< M D A		3153 +/- 113
8/17/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3228 +/- 111</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3228 +/- 111</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3228 +/- 111</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3228 +/- 111</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3228 +/- 111</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3228 +/- 111</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3228 +/- 111</th></mda<></th></mda<>	<mda< th=""><th>< M D A</th><th></th><th>3228 +/- 111</th></mda<>	< M D A		3228 +/- 111
8/24/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3303 +/- 112</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3303 +/- 112</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3303 +/- 112</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3303 +/- 112</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3303 +/- 112</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3303 +/- 112</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3303 +/- 112</th></mda<></th></mda<>	<mda< th=""><th>< M D A</th><th></th><th>3303 +/- 112</th></mda<>	< M D A		3303 +/- 112
8/31/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2703 +/- 99</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2703 +/- 99</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2703 +/- 99</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2703 +/- 99</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2703 +/- 99</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2703 +/- 99</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2703 +/- 99</th></mda<></th></mda<>	<mda< th=""><th>< M D A</th><th></th><th>2703 +/- 99</th></mda<>	< M D A		2703 +/- 99
9/8/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2928 +/- 108</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2928 +/- 108</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2928 +/- 108</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2928 +/- 108</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2928 +/- 108</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2928 +/- 108</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>2928 +/- 108</th></mda<></th></mda<>	<mda< th=""><th>< M D A</th><th></th><th>2928 +/- 108</th></mda<>	< M D A		2928 +/- 108
9/14/15	No sa	ample	collec	ted							
9/21/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2928 +/- 109</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2928 +/- 109</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2928 +/- 109</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2928 +/- 109</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2928 +/- 109</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2928 +/- 109</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2928 +/- 109</th></mda<></th></mda<>	<mda< th=""><th>< MDA</th><th></th><th>2928 +/- 109</th></mda<>	< MDA		2928 +/- 109
9/28/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3228 +/- 117</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3228 +/- 117</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3228 +/- 117</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3228 +/- 117</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3228 +/- 117</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3228 +/- 117</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< M D A</th><th></th><th>3228 +/- 117</th></mda<></th></mda<>	<mda< th=""><th>< M D A</th><th></th><th>3228 +/- 117</th></mda<>	< M D A		3228 +/- 117
10/5/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>225 +/- 31</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>225 +/- 31</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>225 +/- 31</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>225 +/- 31</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>225 +/- 31</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>225 +/- 31</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>225 +/- 31</th></mda<></th></mda<>	<mda< th=""><th>< MDA</th><th></th><th>225 +/- 31</th></mda<>	< MDA		225 +/- 31
10/13/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2402 +/- 100</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2402 +/- 100</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2402 +/- 100</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2402 +/- 100</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2402 +/- 100</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2402 +/- 100</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2402 +/- 100</th></mda<></th></mda<>	<mda< th=""><th>< MDA</th><th></th><th>2402 +/- 100</th></mda<>	< MDA		2402 +/- 100
10/19/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2778 +/- 104</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2778 +/- 104</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2778 +/- 104</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2778 +/- 104</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2778 +/- 104</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2778 +/- 104</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2778 +/- 104</th></mda<></th></mda<>	<mda< th=""><th>< MDA</th><th></th><th>2778 +/- 104</th></mda<>	< MDA		2778 +/- 104
10/26/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2778 +/- 104</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2778 +/- 104</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2778 +/- 104</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2778 +/- 104</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2778 +/- 104</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2778 +/- 104</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< MDA</th><th></th><th>2778 +/- 104</th></mda<></th></mda<>	<mda< th=""><th>< MDA</th><th></th><th>2778 +/- 104</th></mda<>	< MDA		2778 +/- 104

January 1, 2015 through December 31, 2015

North Anna River - W-27 / baseline (<u>continued</u>) Gamma, Beta and Tritium Activity – pCi/liter

Date	Ba- 140	Cs- 134	Cs- 137	Co- 58	Co- 60	I-131	Mn- 54	Zn- 65	Zr/Nb 95	Gross Beta	H3 Activity
11/2/15	No sa	mple o	collect	ted							Additity
11/9/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2703 +/- 104</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2703 +/- 104</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2703 +/- 104</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2703 +/- 104</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2703 +/- 104</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2703 +/- 104</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2703 +/- 104</td></mda<></td></mda<>	<mda< td=""><td>< MDA</td><td></td><td>2703 +/- 104</td></mda<>	< MDA		2703 +/- 104
11/16/15D ¹											
11/16/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>1727 +/- 79</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>1727 +/- 79</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>1727 +/- 79</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>1727 +/- 79</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>1727 +/- 79</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>1727 +/- 79</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>1727 +/- 79</td></mda<></td></mda<>	<mda< td=""><td>< MDA</td><td></td><td>1727 +/- 79</td></mda<>	< MDA		1727 +/- 79
11/23/15	No sa	mple o	collect	ted							
11/30/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>2402 +/- 95</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>2402 +/- 95</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>2402 +/- 95</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>2402 +/- 95</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>2402 +/- 95</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>2402 +/- 95</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>2402 +/- 95</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td>2402 +/- 95</td></mda<>	< M D A		2402 +/- 95
12/8/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2102 +/- 90</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2102 +/- 90</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2102 +/- 90</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2102 +/- 90</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2102 +/- 90</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2102 +/- 90</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2102 +/- 90</td></mda<></td></mda<>	<mda< td=""><td>< MDA</td><td></td><td>2102 +/- 90</td></mda<>	< MDA		2102 +/- 90
12/14/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2177 +/- 95</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2177 +/- 95</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2177 +/- 95</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2177 +/- 95</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2177 +/- 95</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2177 +/- 95</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>2177 +/- 95</td></mda<></td></mda<>	<mda< td=""><td>< MDA</td><td></td><td>2177 +/- 95</td></mda<>	< MDA		2177 +/- 95
12/21/15	No sa	mple o	collect	ted							
12/28/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>826 +/- 52</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>826 +/- 52</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>826 +/- 52</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>826 +/- 52</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>826 +/- 52</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>826 +/- 52</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>826 +/- 52</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td>826 +/- 52</td></mda<>	< M D A		826 +/- 52

D = sample analyzed by DCLS

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 $^{^{\}rm 1}~4^{\rm th}$ quarter results have not been received from DCLS.

January 1, 2015 through December 31, 2015

North Anna Power Station – Discharge Canal - W-33 Gamma, Beta and Tritium Activity – pCi/liter

Date	Ва-	Cs-	Cs-	Co-58	Co-60	I-131	Mn-	Zn-	Zr/Nb	Gross Beta	Н3
	140	134	137				54	65	95		Activity
1/5/15		-	llected								
1/12/15			llected								
1/20/15D	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td>3.9 +/- 3.2</td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td>3.9 +/- 3.2</td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td>3.9 +/- 3.2</td><td></td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< MDA	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td>3.9 +/- 3.2</td><td></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< MDA</td><td>3.9 +/- 3.2</td><td></td></mda<></td></mda<>	<mda< td=""><td>< MDA</td><td>3.9 +/- 3.2</td><td></td></mda<>	< MDA	3.9 +/- 3.2	
1/20/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>5706 +/- 157</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>5706 +/- 157</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>5706 +/- 157</td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< MDA	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>5706 +/- 157</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>5706 +/- 157</td></mda<></td></mda<>	<mda< td=""><td>< MDA</td><td></td><td>5706 +/- 157</td></mda<>	< MDA		5706 +/- 157
1/26/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>4204 +/- 135</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>4204 +/- 135</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>4204 +/- 135</td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< MDA	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>4204 +/- 135</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>4204 +/- 135</td></mda<></td></mda<>	<mda< td=""><td>< MDA</td><td></td><td>4204 +/- 135</td></mda<>	< MDA		4204 +/- 135
2/2/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>4955 +/- 151</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>4955 +/- 151</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>4955 +/- 151</td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< MDA	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>4955 +/- 151</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>4955 +/- 151</td></mda<></td></mda<>	<mda< td=""><td>< MDA</td><td></td><td>4955 +/- 151</td></mda<>	< MDA		4955 +/- 151
2/9/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>5931 +/- 163</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>5931 +/- 163</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>5931 +/- 163</td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< MDA	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>5931 +/- 163</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>5931 +/- 163</td></mda<></td></mda<>	<mda< td=""><td>< MDA</td><td></td><td>5931 +/- 163</td></mda<>	< MDA		5931 +/- 163
2/16/15			llected								
2/23/15		_	llected			. 1470 7		1470.7			4100 . / 120
3/2/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>4129 +/- 139</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>4129 +/- 139</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>4129 +/- 139</td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>4129 +/- 139</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>4129 +/- 139</td></mda<></td></mda<>	<mda< td=""><td>< MDA</td><td></td><td>4129 +/- 139</td></mda<>	< MDA		4129 +/- 139
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3/23/15	<mda< td=""><td>MDA</td><td>llected <mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4505 +/- 138</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	MDA	llected <mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4505 +/- 138</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4505 +/- 138</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4505 +/- 138</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4505 +/- 138</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td>4505 +/- 138</td></mda<></td></mda<>	<mda< td=""><td></td><td>4505 +/- 138</td></mda<>		4505 +/- 138
3/30/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>5105 +/- 148</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>5105 +/- 148</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>5105 +/- 148</td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< MDA	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>5105 +/- 148</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>5105 +/- 148</td></mda<></td></mda<>	<mda< td=""><td>< MDA</td><td></td><td>5105 +/- 148</td></mda<>	< MDA		5105 +/- 148
4/6/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4655 +/- 140</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4655 +/- 140</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4655 +/- 140</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4655 +/- 140</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4655 +/- 140</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4655 +/- 140</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td>4655 +/- 140</td></mda<></td></mda<>	<mda< td=""><td></td><td>4655 +/- 140</td></mda<>		4655 +/- 140
4/13/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>4880 +/- 144</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>4880 +/- 144</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>4880 +/- 144</td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< MDA	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>4880 +/- 144</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>4880 +/- 144</td></mda<></td></mda<>	<mda< td=""><td>< MDA</td><td></td><td>4880 +/- 144</td></mda<>	< MDA		4880 +/- 144
4/20/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4880 +/- 147</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4880 +/- 147</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4880 +/- 147</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4880 +/- 147</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4880 +/- 147</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4880 +/- 147</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td>4880 +/- 147</td></mda<></td></mda<>	<mda< td=""><td></td><td>4880 +/- 147</td></mda<>		4880 +/- 147
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5/4/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4429 +/- 137</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4429 +/- 137</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4429 +/- 137</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< MDA	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4429 +/- 137</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4429 +/- 137</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td>4429 +/- 137</td></mda<></td></mda<>	<mda< td=""><td></td><td>4429 +/- 137</td></mda<>		4429 +/- 137
5/11/15D			<mda< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>10.9 +/- 1.4</td><td>4429 +/- 137</td></mda<>							10.9 +/- 1.4	4429 +/- 137
5/11/15	<mda< td=""><td><mda< td=""><td></td><td>< M D A</td><td>< M D A < M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td>10.9 +/- 1.4</td><td>1720 / 112</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td></td><td>< M D A</td><td>< M D A < M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td>10.9 +/- 1.4</td><td>1720 / 112</td></mda<></td></mda<></td></mda<></td></mda<>		< M D A	< M D A < M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td>10.9 +/- 1.4</td><td>1720 / 112</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< MDA</td><td>10.9 +/- 1.4</td><td>1720 / 112</td></mda<></td></mda<>	<mda< td=""><td>< MDA</td><td>10.9 +/- 1.4</td><td>1720 / 112</td></mda<>	< MDA	10.9 +/- 1.4	1720 / 112
5/11/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td><mda <mda< td=""><td><mda <mda< td=""><td><mda< td=""><td>< M D A < M D A</td><td></td><td>4730 +/- 143 4129 +/- 131</td></mda<></td></mda<></mda </td></mda<></mda </td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td><mda <mda< td=""><td><mda <mda< td=""><td><mda< td=""><td>< M D A < M D A</td><td></td><td>4730 +/- 143 4129 +/- 131</td></mda<></td></mda<></mda </td></mda<></mda </td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td><mda <mda< td=""><td><mda <mda< td=""><td><mda< td=""><td>< M D A < M D A</td><td></td><td>4730 +/- 143 4129 +/- 131</td></mda<></td></mda<></mda </td></mda<></mda </td></mda<>	< M D A		<mda <mda< td=""><td><mda <mda< td=""><td><mda< td=""><td>< M D A < M D A</td><td></td><td>4730 +/- 143 4129 +/- 131</td></mda<></td></mda<></mda </td></mda<></mda 	<mda <mda< td=""><td><mda< td=""><td>< M D A < M D A</td><td></td><td>4730 +/- 143 4129 +/- 131</td></mda<></td></mda<></mda 	<mda< td=""><td>< M D A < M D A</td><td></td><td>4730 +/- 143 4129 +/- 131</td></mda<>	< M D A < M D A		4730 +/- 143 4129 +/- 131
5/26/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>5255 +/- 148</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>5255 +/- 148</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>5255 +/- 148</td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< MDA	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>5255 +/- 148</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>5255 +/- 148</td></mda<></td></mda<>	<mda< td=""><td>< MDA</td><td></td><td>5255 +/- 148</td></mda<>	< MDA		5255 +/- 148
6/1/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></mda<></td></mda<>	<mda< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></mda<>								
6/8/15			llected	< M D A	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3604 +/- 148</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3604 +/- 148</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td>3604 +/- 148</td></mda<>	< M D A		3604 +/- 148
6/15/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>4129 +/- 134</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>4129 +/- 134</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>4129 +/- 134</td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>4129 +/- 134</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>4129 +/- 134</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td>4129 +/- 134</td></mda<>	< M D A		4129 +/- 134
6/22/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3754 +/- 128</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3754 +/- 128</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3754 +/- 128</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3754 +/- 128</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3754 +/- 128</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3754 +/- 128</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td>3754 +/- 128</td></mda<></td></mda<>	<mda< td=""><td></td><td>3754 +/- 128</td></mda<>		3754 +/- 128
6/29/15			llected		INDA	INDA	INDA	\IIDA	INDA		3/31 1/ 120
7/6/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4354 +/- 127</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4354 +/- 127</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4354 +/- 127</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4354 +/- 127</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4354 +/- 127</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4354 +/- 127</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td>4354 +/- 127</td></mda<></td></mda<>	<mda< td=""><td></td><td>4354 +/- 127</td></mda<>		4354 +/- 127
7/13/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>4054 +/- 124</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>4054 +/- 124</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>4054 +/- 124</td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>4054 +/- 124</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>4054 +/- 124</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td>4054 +/- 124</td></mda<>	< M D A		4054 +/- 124
7/20/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>4580 +/- 134</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>4580 +/- 134</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>4580 +/- 134</td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< MDA	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>4580 +/- 134</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< MDA</td><td></td><td>4580 +/- 134</td></mda<></td></mda<>	<mda< td=""><td>< MDA</td><td></td><td>4580 +/- 134</td></mda<>	< MDA		4580 +/- 134
7/27/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3679 +/- 116</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3679 +/- 116</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< MDA</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3679 +/- 116</td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< MDA	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3679 +/- 116</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3679 +/- 116</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td>3679 +/- 116</td></mda<>	< M D A		3679 +/- 116
8/3/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3829 +/- 121</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3829 +/- 121</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3829 +/- 121</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3829 +/- 121</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3829 +/- 121</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3829 +/- 121</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td>3829 +/- 121</td></mda<></td></mda<>	<mda< td=""><td></td><td>3829 +/- 121</td></mda<>		3829 +/- 121
8/3/15D	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>3.0 +/- 1.0</td><td>,</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>3.0 +/- 1.0</td><td>,</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>3.0 +/- 1.0</td><td>,</td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>3.0 +/- 1.0</td><td>,</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>3.0 +/- 1.0</td><td>,</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>3.0 +/- 1.0</td><td>,</td></mda<>	< M D A	3.0 +/- 1.0	,
8/10/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4955 +/- 141</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4955 +/- 141</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4955 +/- 141</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4955 +/- 141</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4955 +/- 141</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4955 +/- 141</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td>4955 +/- 141</td></mda<></td></mda<>	<mda< td=""><td></td><td>4955 +/- 141</td></mda<>		4955 +/- 141
8/17/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>4580 +/- 129</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>4580 +/- 129</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>4580 +/- 129</td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>4580 +/- 129</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>4580 +/- 129</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td>4580 +/- 129</td></mda<>	< M D A		4580 +/- 129
8/24/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4204 +/- 131</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4204 +/- 131</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4204 +/- 131</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4204 +/- 131</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4204 +/- 131</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4204 +/- 131</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td>4204 +/- 131</td></mda<></td></mda<>	<mda< td=""><td></td><td>4204 +/- 131</td></mda<>		4204 +/- 131
8/31/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3979 +/- 127</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3979 +/- 127</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3979 +/- 127</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3979 +/- 127</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3979 +/- 127</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td>3979 +/- 127</td></mda<></td></mda<>	<mda< td=""><td></td><td>3979 +/- 127</td></mda<>		3979 +/- 127
9/8/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4429 +/- 134</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4429 +/- 134</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4429 +/- 134</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4429 +/- 134</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4429 +/- 134</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>4429 +/- 134</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td>4429 +/- 134</td></mda<></td></mda<>	<mda< td=""><td></td><td>4429 +/- 134</td></mda<>		4429 +/- 134
9/14/15			llected								, ,
9/21/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3529 +/- 124</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3529 +/- 124</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3529 +/- 124</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3529 +/- 124</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3529 +/- 124</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3529 +/- 124</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td>3529 +/- 124</td></mda<></td></mda<>	<mda< td=""><td></td><td>3529 +/- 124</td></mda<>		3529 +/- 124
9/28/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>4354 +/- 136</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>4354 +/- 136</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>4354 +/- 136</td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>4354 +/- 136</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>4354 +/- 136</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td>4354 +/- 136</td></mda<>	< M D A		4354 +/- 136
10/5/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3979 +/- 126</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3979 +/- 126</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3979 +/- 126</td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3979 +/- 126</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3979 +/- 126</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td>3979 +/- 126</td></mda<>	< M D A		3979 +/- 126
10/13/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3754 +/- 124</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3754 +/- 124</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3754 +/- 124</td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3754 +/- 124</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3754 +/- 124</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td>3754 +/- 124</td></mda<>	< M D A		3754 +/- 124
10/19/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>4279 +/- 131</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>4279 +/- 131</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>4279 +/- 131</td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>4279 +/- 131</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>4279 +/- 131</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td>4279 +/- 131</td></mda<>	< M D A		4279 +/- 131
10/26/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3604 +/- 120</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3604 +/- 120</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3604 +/- 120</td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3604 +/- 120</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3604 +/- 120</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td>3604 +/- 120</td></mda<>	< M D A		3604 +/- 120
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January 1, 2015 through December 31, 2015

North Anna Power Station – Discharge Canal - W-33 (<u>continued</u>) Gamma, Beta and Tritium Activity – pCi/liter

Date	Ва- 140	Cs- 134	Cs- 137	Co-58	Co-60	I-131	Mn- 54	Zn- 65	Zr/Nb 95	Gross Beta	H3 Activity
11/2/15	No sam	ple co	llected								
11/9/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3604 +/- 120</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3604 +/- 120</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3604 +/- 120</td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3604 +/- 120</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3604 +/- 120</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td>3604 +/- 120</td></mda<>	< M D A		3604 +/- 120
11/16/15D ²											
11/16/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3228 +/- 112</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3228 +/- 112</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3228 +/- 112</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3228 +/- 112</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>3228 +/- 112</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td>3228 +/- 112</td></mda<></td></mda<>	<mda< td=""><td></td><td>3228 +/- 112</td></mda<>		3228 +/- 112
11/23/15	No sam	ple co	llected								
11/30/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3303 +/- 262</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3303 +/- 262</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3303 +/- 262</td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3303 +/- 262</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3303 +/- 262</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td>3303 +/- 262</td></mda<>	< M D A		3303 +/- 262
12/8/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3303 +/- 117</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3303 +/- 117</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3303 +/- 117</td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3303 +/- 117</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3303 +/- 117</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td>3303 +/- 117</td></mda<>	< M D A		3303 +/- 117
12/14/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>2928 +/- 109</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>2928 +/- 109</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>2928 +/- 109</td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>2928 +/- 109</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>2928 +/- 109</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td>2928 +/- 109</td></mda<>	< M D A		2928 +/- 109
12/21/15	No sam	ple co	llected								
12/28/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3003 +/- 113</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3003 +/- 113</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td>< M D A</td><td><mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3003 +/- 113</td></mda<></td></mda<></td></mda<></td></mda<>	< M D A	< M D A	<mda< td=""><td><mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3003 +/- 113</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>< M D A</td><td></td><td>3003 +/- 113</td></mda<></td></mda<>	<mda< td=""><td>< M D A</td><td></td><td>3003 +/- 113</td></mda<>	< M D A		3003 +/- 113

D = sample analyzed by DCLS

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 $^{^{\}rm 2}~{\rm 4^{\rm th}}$ quarter results have not been received from DCLS.

January 1, 2015 through December 31, 2015

Surry Power Station – Scotland Wharf/Robious Landing-W-79A

Gamma, Beta and Tritium Activity - pCi/liter

Date	Ba- 140	Cs-134	Cs-137	Co-58	Co-60	I-131	Mn-54	Zn-65	Zr/Nb 95	Gross Beta	H3 Activity
1/5/15	No sam	ple coll	Lected								
1/12/15	<mda< th=""><th>< M D A</th><th>< M D A</th><th></th><th><mda< th=""></mda<></th></mda<>	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A		<mda< th=""></mda<>
1/20/15D	<mda< th=""><th>< M D A</th><th>< M D A</th><th>28.6 +/- 33.4</th><th></th></mda<>	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	28.6 +/- 33.4	
1/20/15	<mda< th=""><th>< M D A</th><th>< M D A</th><th></th><th><mda< th=""></mda<></th></mda<>	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A		<mda< th=""></mda<>
1/26/15	<mda< th=""><th>< M D A</th><th>< M D A</th><th></th><th><mda< th=""></mda<></th></mda<>	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A		<mda< th=""></mda<>
2/2/15	<mda< th=""><th>< M D A</th><th>< M D A</th><th></th><th>150 +/- 30</th></mda<>	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A		150 +/- 30
2/9/15	<mda< th=""><th>< M D A</th><th>< M D A</th><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	< M D A	< M D A	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<>	<mda< th=""><th></th><th>150 +/- 30</th></mda<>		150 +/- 30
2/16/15	No sam	ple coll	Lected								
2/23/15	No sam	ple coll	Lected								
3/2/15	<mda< th=""><th>< M D A</th><th>< M D A</th><th></th><th>375 +/- 43</th></mda<>	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A		375 +/- 43
3/9/15	<mda< th=""><th>< M D A</th><th>< M D A</th><th></th><th>375 +/- 43</th></mda<>	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A		375 +/- 43
3/16/15	No sam	ple coll	Lected								
3/23/15	<mda< th=""><th>< M D A</th><th>< M D A</th><th></th><th>225 +/- 30</th></mda<>	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A		225 +/- 30
3/30/15	<mda< th=""><th>< M D A</th><th>< M D A</th><th></th><th>150 +/- 30</th></mda<>	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A		150 +/- 30
4/6/15	<mda< th=""><th>< M D A</th><th>< M D A</th><th></th><th>450 +/- 42</th></mda<>	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A		450 +/- 42
4/13/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<>	<mda< th=""><th></th><th><mda< th=""></mda<></th></mda<>		<mda< th=""></mda<>
4/20/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<>	<mda< th=""><th></th><th>150 +/- 30</th></mda<>		150 +/- 30
4/27/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<>	<mda< th=""><th></th><th><mda< th=""></mda<></th></mda<>		<mda< th=""></mda<>
5/4/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<>	<mda< th=""><th></th><th><mda< th=""></mda<></th></mda<>		<mda< th=""></mda<>
5/11/15D ¹	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>1.9 +/- 1</th><th></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>1.9 +/- 1</th><th></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>1.9 +/- 1</th><th></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>1.9 +/- 1</th><th></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>1.9 +/- 1</th><th></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>1.9 +/- 1</th><th></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>1.9 +/- 1</th><th></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>1.9 +/- 1</th><th></th></mda<></th></mda<>	<mda< th=""><th>1.9 +/- 1</th><th></th></mda<>	1.9 +/- 1	
5/11/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>375 +/- 43</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>375 +/- 43</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>375 +/- 43</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>375 +/- 43</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>375 +/- 43</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>375 +/- 43</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>375 +/- 43</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th>375 +/- 43</th></mda<></th></mda<>	<mda< th=""><th></th><th>375 +/- 43</th></mda<>		375 +/- 43
5/18/15	<mda< th=""><th>< M D A</th><th><mda< th=""><th>< MDA</th><th><mda< th=""><th>< MDA</th><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	< M D A	<mda< th=""><th>< MDA</th><th><mda< th=""><th>< MDA</th><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	< MDA	<mda< th=""><th>< MDA</th><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	< MDA	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<>	<mda< th=""><th></th><th><mda< th=""></mda<></th></mda<>		<mda< th=""></mda<>
5/26/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>375 +/- 33</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>375 +/- 33</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>375 +/- 33</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>375 +/- 33</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>375 +/- 33</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>375 +/- 33</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>375 +/- 33</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th>375 +/- 33</th></mda<></th></mda<>	<mda< th=""><th></th><th>375 +/- 33</th></mda<>		375 +/- 33
6/1/15	<mda< th=""><th>< M D A</th><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th><mda< th=""><th>< MDA</th><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	< M D A	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th><mda< th=""><th>< MDA</th><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< MDA</th><th><mda< th=""><th>< MDA</th><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th>< MDA</th><th><mda< th=""><th>< MDA</th><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<>	< MDA	<mda< th=""><th>< MDA</th><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<>	< MDA	<mda< th=""><th></th><th><mda< th=""></mda<></th></mda<>		<mda< th=""></mda<>
6/8/15		ple coll									
6/15/15	<mda< th=""><th>- <mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th><mda< th=""><th>< MDA</th><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	- <mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th><mda< th=""><th>< MDA</th><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th><mda< th=""><th>< MDA</th><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< MDA</th><th><mda< th=""><th>< MDA</th><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th>< MDA</th><th><mda< th=""><th>< MDA</th><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<></th></mda<>	< MDA	<mda< th=""><th>< MDA</th><th><mda< th=""><th></th><th>225 +/- 30</th></mda<></th></mda<>	< MDA	<mda< th=""><th></th><th>225 +/- 30</th></mda<>		225 +/- 30
6/22/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>75 +/- 30</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>75 +/- 30</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>75 +/- 30</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>75 +/- 30</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>75 +/- 30</td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>75 +/- 30</td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td>75 +/- 30</td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td>75 +/- 30</td></mda<></td></mda<>	<mda< td=""><td></td><td>75 +/- 30</td></mda<>		75 +/- 30
6/29/15		ple coll									,
7/6/15	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td><mda< td=""></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td><mda< td=""></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td><mda< td=""></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td><mda< td=""></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td><mda< td=""></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td><mda< td=""></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td><mda< td=""></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td><mda< td=""></mda<></td></mda<></td></mda<>	<mda< td=""><td></td><td><mda< td=""></mda<></td></mda<>		<mda< td=""></mda<>
7/13/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<>	<mda< th=""><th></th><th><mda< th=""></mda<></th></mda<>		<mda< th=""></mda<>
7/20/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>450 +/- 42</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>450 +/- 42</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>450 +/- 42</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>450 +/- 42</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>450 +/- 42</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>450 +/- 42</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>450 +/- 42</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th>450 +/- 42</th></mda<></th></mda<>	<mda< th=""><th></th><th>450 +/- 42</th></mda<>		450 +/- 42
7/27/15	<mda< th=""><th>< M D A</th><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th><mda< th=""><th>< MDA</th><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	< M D A	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th><mda< th=""><th>< MDA</th><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< MDA</th><th><mda< th=""><th>< MDA</th><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th>< MDA</th><th><mda< th=""><th>< MDA</th><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<>	< MDA	<mda< th=""><th>< MDA</th><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<>	< MDA	<mda< th=""><th></th><th><mda< th=""></mda<></th></mda<>		<mda< th=""></mda<>
8/3/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>601 +/- 43</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>601 +/- 43</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>601 +/- 43</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>601 +/- 43</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>601 +/- 43</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>601 +/- 43</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>601 +/- 43</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th>601 +/- 43</th></mda<></th></mda<>	<mda< th=""><th></th><th>601 +/- 43</th></mda<>		601 +/- 43
8/3/15D	<mda< th=""><th><mda< th=""><th><mda< th=""><th>< MDA</th><th>< MDA</th><th>< MDA</th><th><mda< th=""><th>< MDA</th><th>< MDA</th><th>2.3 +/- 9.1</th><th></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>< MDA</th><th>< MDA</th><th>< MDA</th><th><mda< th=""><th>< MDA</th><th>< MDA</th><th>2.3 +/- 9.1</th><th></th></mda<></th></mda<></th></mda<>	<mda< th=""><th>< MDA</th><th>< MDA</th><th>< MDA</th><th><mda< th=""><th>< MDA</th><th>< MDA</th><th>2.3 +/- 9.1</th><th></th></mda<></th></mda<>	< MDA	< MDA	< MDA	<mda< th=""><th>< MDA</th><th>< MDA</th><th>2.3 +/- 9.1</th><th></th></mda<>	< MDA	< MDA	2.3 +/- 9.1	
8/10/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>, , ,</th><th>826 +/- 60</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>, , ,</th><th>826 +/- 60</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>, , ,</th><th>826 +/- 60</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>, , ,</th><th>826 +/- 60</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>, , ,</th><th>826 +/- 60</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th>, , ,</th><th>826 +/- 60</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th>, , ,</th><th>826 +/- 60</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th>, , ,</th><th>826 +/- 60</th></mda<></th></mda<>	<mda< th=""><th>, , ,</th><th>826 +/- 60</th></mda<>	, , ,	826 +/- 60
8/17/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>300 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>300 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>300 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>300 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>300 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>300 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>300 +/- 30</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th>300 +/- 30</th></mda<></th></mda<>	<mda< th=""><th></th><th>300 +/- 30</th></mda<>		300 +/- 30
8/24/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>676 +/- 52</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>676 +/- 52</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>676 +/- 52</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>676 +/- 52</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>676 +/- 52</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>676 +/- 52</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>676 +/- 52</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th>676 +/- 52</th></mda<></th></mda<>	<mda< th=""><th></th><th>676 +/- 52</th></mda<>		676 +/- 52
8/31/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th>150 +/- 30</th></mda<></th></mda<>	<mda< th=""><th></th><th>150 +/- 30</th></mda<>		150 +/- 30
9/8/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<>	<mda< th=""><th></th><th><mda< th=""></mda<></th></mda<>		<mda< th=""></mda<>
9/14/15		ple coll		INDA	INDA	INDA	INDA	INDA	INDA		\r\DA
9/21/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<>	<mda< th=""><th></th><th><mda< th=""></mda<></th></mda<>		<mda< th=""></mda<>
9/28/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<>	<mda< th=""><th></th><th><mda< th=""></mda<></th></mda<>		<mda< th=""></mda<>
10/5/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<>	<mda< th=""><th></th><th><mda< th=""></mda<></th></mda<>		<mda< th=""></mda<>
10/13/15	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th><mda< th=""></mda<></th></mda<></th></mda<>	<mda< th=""><th></th><th><mda< th=""></mda<></th></mda<>		<mda< th=""></mda<>
10/19/15	<mda< th=""><th>< MDA</th><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>901 +/- 60</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	< MDA	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>901 +/- 60</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>901 +/- 60</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>901 +/- 60</th></mda<></th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>901 +/- 60</th></mda<></th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th><mda< th=""><th></th><th>901 +/- 60</th></mda<></th></mda<></th></mda<>	<mda< th=""><th><mda< th=""><th></th><th>901 +/- 60</th></mda<></th></mda<>	<mda< th=""><th></th><th>901 +/- 60</th></mda<>		901 +/- 60
10/26/15											
10/20/13	<mda< th=""><th>< M D A</th><th>< M D A</th><th>< M D A</th><th>< M D A</th><th>< MDA</th><th>< M D A</th><th>< MDA</th><th>< M D A</th><th></th><th>225 +/- 30</th></mda<>	< M D A	< M D A	< M D A	< M D A	< MDA	< M D A	< MDA	< M D A		225 +/- 30

¹ Samples collected from new control site W-79A, James River@Robious Landing.

January 1, 2015 through December 31, 2015

Surry Power Station - Scotland Wharf/Robious Landing-W-79A (continued) Gamma, Beta and Tritium Activity - pCi/liter

Date	Ba- 140	Cs-134	Cs-137	Co-58	Co-60	I-131	Mn-54	Zn-65	Zr/Nb 95	Gross Beta	H3 Activity
11/2/15	No sam	ple coll	.ected								
11/9/15	<mda< th=""><th>< M D A</th><th>< M D A</th><th></th><th>300 +/- 30</th></mda<>	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A		300 +/- 30
11/16/15D ²											
11/16/15	<mda< th=""><th>< M D A</th><th>< M D A</th><th></th><th>300 +/- 30</th></mda<>	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A		300 +/- 30
11/23/15	No sam	ple coll	.ected								
11/30/15	<mda< th=""><th>< M D A</th><th>< M D A</th><th></th><th>150 +/- 30</th></mda<>	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A		150 +/- 30
12/8/15	<mda< th=""><th>< M D A</th><th>< M D A</th><th></th><th>375 +/- 43</th></mda<>	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A		375 +/- 43
12/14/15	<mda< th=""><th>< M D A</th><th>< M D A</th><th></th><th><mda< th=""></mda<></th></mda<>	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A		<mda< th=""></mda<>
12/21/15	No sam	ple coll	.ected								
12/28/15	<mda< th=""><th>< M D A</th><th>< M D A</th><th></th><th>450 +/- 43</th></mda<>	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A	< M D A		450 +/- 43

D = Sample analyzed by DCLS

 $^{^{2}\ 4^{\}rm th}$ quarter results have not been received from DCLS.

Virginia Department of Health **VEGETATION**¹

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location	Date collected	Туре	Isotope	Results pCi/Gram (wet weight)
Surry County Private garden V-96	5/18/15	Mixed Greens (Cabbage)	I-131 Cs-134 Cs-137	<mda <mda 0.01 +/- 0.01</mda </mda
	9/22/15	Mixed Greens	I-131 Cs-134 Cs-137	
Louisa County Private Garden V-98	5/7/15	Mixed Greens	I-131 Cs-134 Cs-137	<mda <mda <mda< td=""></mda<></mda </mda
	9/21/15	Mixed Greens (Cabbage)	I-131 Cs-134 Cs-137	

Note: Vegetation is collected bi-annually when available.

 $^{^{1}}$ Results for the $3^{\rm rd}$ quarter have not been received from DCLS.

COMMONWEALTH OF VIRGINIA DEPARTMENT OF HEALTH

OFFICE OF RADIOLOGICAL HEALTH

109 Governor Street, 7th Floor, Richmond, Virginia 23219 Office (804) 864-8150 Fax (804) 864-8175

BABCOCK & WILCOX

Virginia Department of Health

Babcock & Wilcox

AIR PARTICULATE COMPOSITE SAMPLES

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

	Eastern Site Boundary – Ball field A-101						
Quarter	Start	Date Stop		Gross Alpha Activ Stop pCi/meter ³		•	
1 st	1/14/15	-	1/20/15	0.001	+/-	0.0004	
2 nd	4/8/15	-	4/14/15	0.0004	+/-	0.0004	
3 rd	7/8/15	-	7/14/15	0.0006	+/-	0.0002	
4 th	10/7/15	-	10/13/15	0.001	+/-	0.0005	

SOIL²

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

				Alpha Activity
Location	Date	Distance &	T	
		Direction	Туре	pCi/gram
Eastern Site Boundary Ball field S-101	9/23/15	Site Boundary	Soil	+/-
James River Shoreline Near Six Mile Bridge "control" S-102a	9/23/15	1.5 miles SW	Soil	+/-

Note: Uranium separation followed by alpha counting.

 $^{^{2}}$ Results for Soil samples have not been received from DCLS.

Virginia Department of Health

Babcock & Wilcox

SURFACE WATER³

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location	Date	Distance & Direction	Alpha Activity pCi/gram
James River Shoreline	9/23/15	Approx.	+/-
Near Ball field at eastern site boundary W-101		3 miles downstream	
James River Shoreline Near Six Mile Bridge "control" W-102	9/23/15	Approx 1.5 Miles upstream	+/-

VEGETATION⁴

January 1, 2015 through December 31, 2015

ANNUAL REPORT 2015

Location	Date	Туре	Distance & Direction	Alpha Activity pCi/gram
Eastern site boundary Ball field V-101	9/23/15	Vegetation	Approx. 3 miles downstream	+/-
James River Shoreline off Rt. 460 "control" V-102	9/23/15	Vegetation	Approx 4.5 Miles SW	+/-

Note: Uranium separation followed by alpha counting.

³ Results for Surface Water samples have not been received from DCLS.

⁴ Results for Vegetation samples have not been received from DCLS.

COMMONWEALTH OF VIRGINIA DEPARTMENT OF HEALTH

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EMERGENCY PREPAREDNESS

EMERGENCY PREPAREDNESS

The Office of Radiological Health (ORH) located within the Virginia Department of Health (VDH) is one of the lead response agencies for emergencies involving the potential or actual release of radioactive materials. Overall, state level emergency response is described in the Commonwealth of Virginia Radiological Emergency Response Plan (COVRERP), which is developed and maintained by the Virginia Department of Emergency Management (VDEM). In addition to generic guidelines for responding to any major radiological emergency, the response procedures contain segments addressing response to several specific types of radiological incidents. This includes sections which provide information needed for response to Licensee and Transportation accidents. Other sections contain background information and response guidance for accidents at fixed nuclear facilities. Plans are also being developed to respond to possible radiological terrorist attacks, which may include detonation of a radiological dispersion device (RDD aka "dirty bomb"), an improvised nuclear device (IND), or a military grade nuclear warhead.

When responding to any radiological emergency, the primary tasks of the Office of Radiological Health are to locate, identify, and predict the impact of any radioactive materials released to the environment. Based on the predicted or known impact, ORH then recommends appropriate measures to protect the public. ORH would also be tasked with helping to supervise the cleanup of radiological contamination and ensuring the proper disposal of radioactive waste. An ORH duty officer maintains 24-hour coverage to provide initial assessment/assistance for local responders and may also initiate the mobilization/deployment of other trained staff to respond to a radiological emergency when needed.

Under the provisions of current Federal Emergency Management Agency (FEMA) regulations, ORH conducts or participates in periodic drills that are designed to provide team training and to test emergency plans and procedures. The scope of these drills ranges from receiving and acknowledging simulated emergency communications to full-scale team deployment.

Federal regulations for commercial nuclear power generating facilities stipulate that a full-scale exercise involving appropriate local government participation and testing all significant response elements must be conducted and evaluated every other year. Because there are two such facilities, Surry and North Anna Nuclear Power Stations, Commonwealth of Virginia agencies will perform exercise activities on a yearly basis, alternating between the sites each year.