COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HEALTH

OFFICE OF RADIOLOGICAL HEALTH
109 Governor Street, 7th Floor, Richmond, Virginia 23219
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ENVIRONMENTAL RADIATION MONITORING PROGRAM

2025
Second Quarter Report

VDH VIRGINIA DEPARTMENT OF HEALTH

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Sampling Locations

Sampling Locations for Surry & North Anna Nuclear Power Station

Surry Power Station

North Anna Power Station

Air

SPS-A-1	Surry Power Station	Beta Air Filter Gamma Charcoal & Filter
SPS-A-2	Jamestown	Beta Air Filter Gamma Charcoal & Filter
PSP-A-1	Pocahontas State Park	Beta Air Filter Gamma Charcoal & Filter
NAPS-A-1	Louisa (Outside North Anna Power Station)	Beta Air Filter Gamma Charcoal & Filter
NAPS-A-2	Bumpass	Beta Air Filter Gamma Charcoal & Filter

Water

SPS-W-1	Surry Power Station Discharge Canal	Gamma, Tritium
SPS-W-2	James River @ Robious Landing	Gamma, Tritium
SPS-W-3	James River @ Lawnes Creek	Gamma, Tritium
NAPS-W-1	North Anna Power Station Discharge Canal	Gamma, Tritium
NAPS-W-2	North Anna River @ Rt 651	Gamma, Tritium
NAPS-W-3	Pleasants Landing	Gamma, Tritium

Sample Analysis Results for Surry & North Anna Power Stations

WEEK	FREQUENCY	PAGE	COMMENTS
Week 1: 12/30/24– 01/06/25	Weekly	12	
Week 2: 01/06/25– 01/13/25	Weekly	13	
Week 3: 01/13/25 – 01/20/25	Weekly	14	
Week 4: 01/20/25 – 01/27/25	Weekly	15	
Week 5: 01/27/25 – 02/03/25	Weekly	16	
Week 6: 02/03/25 – 02/10/25	Weekly	17	
Week 7: 02/10/25 – 02/17/25	Weekly	18	
Week 8: 02/17/25 – 02/24/25	Weekly	19	
Week 9: 02/24/25 – 03/03/25	Weekly	20	
Week 10: 03/03/25 – 03/10/25	Weekly	21	
Week 11: 03/10/25 – 03/17/25	Weekly	22	
Week 12: 03/17/25– 03/24/25	Weekly	23	
Week 13: 03/24/25 - 03/31/25	Weekly	24	
Week 14: 03/31/25 – 04/07/25	Weekly	25	
Week 15: 04/07/25 – 04/14/25	Weekly	26	
Week 16: 04/14/25 – 04/21/25	Weekly	27	
Week 17: 04/21/25 – 04/28/25	Weekly	28	
Week 18: 04/28/25 – 05/05/25	Weekly	29	
Week 19: 05/05/25 – 05/12/25	Weekly	30	
Week 20: 05/12/25 – 05/19/25	Weekly	31	
Week 21: 05/19/25- 05/26/25	Weekly	32	
Week 22: 05/26/25 – 06/02/25	Weekly	33	
Week 23: 06/02/25 – 06/09/25	Weekly	34	
Week 24: 06/09/25 - 06/16/25	Weekly	35	
Week 25: 06/16/25 – 06/23/25	Weekly	36	
Week 26: 06/23/25 – 06/30/25	Weekly	37	
Week 27: 06/30/25 - 07/07/25	Weekly	38	
Week 28: 07/07/25 – 07/14/25	Weekly	39	
Week 29: 07/14/25– 07/21/25	Weekly	40	
Week 30: 07/21/25 – 07/28/25	Weekly	41	
Week 31: 07/28/25 – 08/04/25	Weekly	42	
Week 32: 08/04/25 – 08/11/25	Weekly	43	
Week 33: 08/11/25 – 08/18/25	Weekly	44	
Week 34: 08/18/25 – 08/25/25	Weekly	45	
Week 35: 08/25/25 – 09/01/25	Weekly	46	
Week 36: 09/01/25 – 09/08/25	Weekly	47	
Week 37: 09/08/25 – 09/15/25	Weekly	48	

WEEK	FREQUENCY	PAGE	COMMENTS
Week 38: 09/15/25 – 09/22/25	Weekly	49	
Week 39: 09/22/25 – 09/29/25	Weekly	50	
Week 40: 09/29/25 – 10/06/25	Weekly	51	
Week 41: 10/06/25 – 10/13/25	Weekly	52	
Week 42: 10/13/25 – 10/20/25	Weekly	53	
Week 43: 10/20/25 – 10/27/25	Weekly	54	
Week 44: 10/27/25 – 11/03/25	Weekly	55	
Week 45: 11/03/25 – 11/10/25	Weekly	56	
Week 46: 11/10/25 – 11/17/25	Weekly	57	
Week 47: 11/17/25 – 11/24/25	Weekly	58	
Week 48: 11/24/25 – 12/01/25	Weekly	59	
Week 49: 12/01/25 – 12/08/25	Weekly	60	
Week 50: 12/08/25 – 12/15/25	Weekly	61	
Week 51: 12/15/25 – 12/22/25	Weekly	62	
Week 52: 12/22/25 - 12/29/25	Weekly	63	

Other Sample Locations

We are currently working with both facilities to determine the sampling frequency moving forward

Sample	Location	Frequency	Page
Surface Water	Newport News Shipbuilder	TBD	64
Surface Water	Norfolk Naval Shipyard	TBD	65
Silt	Newport News Shipbuilder	TBD	66
Silt	Norfolk Naval Shipyard	TBD	67

Other Sample Types for Surry & North Anna Power Stations

Sample	Location	Description	Frequency	Page
SILT				
SPS-S-1	James River – 1 ½ Mile Off Discharge Canal	Silt	2x per year	68
NAPS-S-1	Waste Treatment Shoreline Soil	Soil	2x per year	68
FISH				
NAPS-F-1	North Anna Lake – Second Cooling Lagoon	Edible Fish	2x per year	69-70
SPS-F-1	James River – .5 miles off Discharge Canal	Edible Fish	2x per year	69-70
SPS-R-1	James River- Various Locations	Shellfish	Annually	71
MILK				
SPS-M-1	Williamsburg - MO Smith Farm	Raw	2x per year	72-73
VEGETATION				
SPS-V-1	Surry County – various locations	Edible Vegetation	2x per year	74
NAPS-V-1	Louisa County – various locations	Edible Vegetation	2x per year	74

Dosimetry Locations for Surry & North Anna Power Stations

Dosimetry	Station	Frequency	Description	Page
Jamestown – Historical site	SPS-D-1	Quarterly	Gamma in Air	75-78
Williamsburg – Airport	SPS-D-2	Quarterly	Gamma in Air	75-78
Williamsburg – Busch Gardens	SPS-D-3	Quarterly	Gamma in Air	75-78
Newport News - Lee Hall	SPS-D-4	Quarterly	Gamma in Air	75-78
Naval Weapons Station – 1	SPS-D-5	Quarterly	Gamma in Air	75-78
Newport News – Fort Eustis	SPS-D-6	Quarterly	Gamma in Air	75-78
Surry – Route 628	SPS-D-7	Quarterly	Gamma in Air	75-78
Surry – Lawnes Creek	SPS-D-8	Quarterly	Gamma in Air	75-78
Surry Power Station	SPS-D-9	Quarterly	Gamma in Air	75-78
Surry – Hog Point	SPS-D-10	Quarterly	Gamma in Air	75-78
Surry – Bacon's Castle	SPS-D-11	Quarterly	Gamma in Air	75-78
Surry – Alliance	SPS-D-12	Quarterly	Gamma in Air	75-78
Surry – Scotland Wharf	SPS-D-13	Quarterly	Gamma in Air	75-78
Surry – Surry County Courthouse	SPS-D-14	Quarterly	Gamma in Air	75-78
Louisa County - Mineral	NAPS-D-1	Quarterly	Gamma in Air	75-78
Louisa County – Wares Crossroads	NAPS-D-2	Quarterly	Gamma in Air	75-78
Louisa County – Good Hope Church	NAPS-D-3	Quarterly	Gamma in Air	75-78
Spotsylvania – Route 713	NAPS-D-4	Quarterly	Gamma in Air	75-78
Spotsylvania Route 614	NAPS-D-5	Quarterly	Gamma in Air	75-78
Spotsylvania – Levy	NAPS-D-6	Quarterly	Gamma in Air	75-78
Louisa County – Bumpass Fire Dept.	NAPS-D-7	Quarterly	Gamma in Air	75-78
Louisa County – Fred Hall	NAPS-D-8	Quarterly	Gamma in Air	75-78
Louisa County – Aspen Hill	NAPS-D-9	Quarterly	Gamma in Air	75-78
Louisa County – Route 685	NAPS-D-10	Quarterly	Gamma in Air	75-78
Louisa County – Route 700	NAPS-D-11	Quarterly	Gamma in Air	75-78
North Anna Power Station	NAPS-D-12	Quarterly	Gamma in Air	75-78
Pocahontas State Park (Control)	PSP-D-1	Quarterly	Gamma in Air	75-78
Radiological Health	ORH-D-1	Quarterly	Gamma in Air	75-78
Radiological Health	ORH-D-2	Quarterly	Gamma in Air	75-78

Sampling Locations - Babcock & Wilcox

SAMPLE	LOCATION	TYPE	FREQUENCY	PAGE
AIR				
B&W-A-1	Eastern Site Boundary – Ballfield	Air Particulate	Quarterly	80

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NO DETECTABLE RESULTS "NDR"

In order for a nuclide to be identified in the spectrum and entered into this report, constraints set by the HPGe analysis software need to be satisfied and the results of the confidence index calculation must greater than the threshold (usually 0.3).
For the maximum confidence index, the following conditions need to be met.

- The nuclide energy peak needs to be within the energy tolerance of the library lines for that nuclide.
- A nuclide with multiple lines, must match the library peaks in the spectrum.
- The number of half-lives that has elapsed, between when the sample was taken and when it was counted, must be less than 10 half-lives or the confidence in the identification is small.

If the confidence index threshold and/or any of the three criteria are not met, then the nuclide is deemed no detectable results, (NDR).

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Analytical Results

Virginia Department of Health
Week 1: 12/30/24– 01/06/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				0.03+/0.004
SPS-A-2				0.02+/0.003
PSP-A-1				0.03+/0.004
NAPS-A-1				0.03+/0.004
NAPS-A-2				0.02+/0.003

Water

Site	Gamma* and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											976+/-143
SPS-W-2											826+/-143
SPS-W-3											526+/-101
NAPS-W-1											6607+/-397
NAPS-W-2											225+/-71
NAPS-W-3											8483+/-451

*Gamma in air and surface water samples not analyzed due to technical issues with HPGe detector.

Virginia Department of Health
Week 2: 01/06/25– 01/13/25*

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

*No samples collected due to severe winter weather event.

Virginia Department of Health
Week 3: 01/13/25 – 01/20/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				0.03+/0.004
SPS-A-2				0.02+/0.003
PSP-A-1				0.03+/0.004
NAPS-A-1				0.03+/0.004
NAPS-A-2				0.02+/0.002

Water

Site	Gamma* and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											0+/-247
SPS-W-2											225+/-71
SPS-W-3											0+/-247
NAPS-W-1											5781+/-397
NAPS-W-2											150+/-71
NAPS-W-3											7658+/-434

*Gamma in air and surface water samples not analyzed due to technical issues with HPGe detector.

Virginia Department of Health
Week 4: 01/20/25 – 01/27/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				0.03+/0.004
SPS-A-2				0.03+/0.004
PSP-A-1				0.04+/0.006
NAPS-A-1				0.03+/0.005
NAPS-A-2				0.03+/0.004

Water

Site	Gamma* and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	**H3 Activity**
SPS-W-1											300+/-71
SPS-W-2											0+/-0
SPS-W-3											375+/-101
NAPS-W-1											7207+/-416
NAPS-W-2											375+/-101
NAPS-W-3											7583+/-422

*Gamma in air and surface water samples not analyzed due to technical issues with HPGe detector.

Virginia Department of Health
Week 5: 01/27/25 – 02/03/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				0.05+/0.008
SPS-A-2				0.05+/0.008
PSP-A-1				0.06+/0.008
NAPS-A-1				0.11+/0.015
NAPS-A-2				0.04+/0.007

Water

Site	Gamma* and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 37	Ba 140	H3 Activity
SPS-W-1											976+/-143
SPS-W-2											526+/-124
SPS-W-3											450+/-101
NAPS-W-1											7508+/-429
NAPS-W-2											526+/-124
NAPS-W-3											7357+/-429

*Gamma in air and surface water samples not analyzed due to technical issues with HPGe detector.

Virginia Department of Health
Week 6: 02/03/25 – 02/10/25*

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1*											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

*No samples collected due to staff attending FEMA radiological accident assessment training course.

Virginia Department of Health
Week 7: 02/10/25 – 02/17/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				0.03+/0.004
SPS-A-2				0.02+/0.003
PSP-A-1				0.03+/0.004
NAPS-A-1				0.03+/0.003
NAPS-A-2				0.02+/0.003

Water

Site	Gamma* and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 37	Ba 140	H3 Activity
SPS-W-1											300+/-71
SPS-W-2**											
SPS-W-3											75+/-202
NAPS-W-1											6832+/-410
NAPS-W-2											0+/-202
NAPS-W-3											6682+/-404

*Gamma in air and surface water samples not analyzed due to technical issues with HPGe detector.
**Sample not collected for SPS-W-2 due to high water at access site.

Virginia Department of Health
Week 8: 02/17/25 – 02/24/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				0.03+/0.004
SPS-A-2				0.02+/0.003
PSP-A-1* **				
NAPS-A-1				0.03+/0.003
NAPS-A-2				0.02+/0.003

Water

Site	Gamma* and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											1276+/-159
SPS-W-2**											
SPS-W-3											1126+/-159
NAPS-W-1											13138+/-556
NAPS-W-2											1426+/-174
NAPS-W-3											7583+/-421

*Gamma in air and surface water samples not analyzed due to technical issues with HPGe detector.
**Sample not collected for SPS-W-2 due to high water at access site.
***PSP-A-1 not analyzed due to sampler shut down after 47 hours.

Virginia Department of Health
Week 9: 02/24/25 – 03/03/25*

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

*No samples collected due to VDH/ORH staff training.

Virginia Department of Health
Week 10: 03/03/25 – 03/10/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				0.04+/0.005
SPS-A-2				0.03+/0.004
PSP-A-1				0.07+/0.010
NAPS-A-1*				0.04+/0.006
NAPS-A-2				0.03+/0.004

Water

Site	Gamma* and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											150+/-71
SPS-W-2											150+/-71
SPS-W-3											0+/-213
NAPS-W-1											6982+/-395
NAPS-W-2											0+/-213
NAPS-W-3											8934+/-448

*Gamma in air and surface water samples not analyzed due to technical issues with HPGe detector.

Virginia Department of Health
Week 11: 03/10/25 – 03/17/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				0.03+/0.005
SPS-A-2				0.03+/0.005
PSP-A-1				0.04+/0.006
NAPS-A-1				0.011+/0.006
NAPS-A-2				0.04+/0.006

Water

Site	Gamma* and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											2252+/-226
SPS-W-2											826+/-143
SPS-W-3											1126+/-160
NAPS-W-1											6832+/-405
NAPS-W-2											225+/-72
NAPS-W-3											7883+/-441

*Gamma in air and surface water samples not analyzed due to technical issues with HPGe detector.

Virginia Department of Health
Week 12: 03/17/25– 03/24/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				0.03+/0.004
SPS-A-2				0.02+/0.004
PSP-A-1				0.04+/0.005
NAPS-A-1				0.05+/0.007
NAPS-A-2				0.02+/0.004

Water

Site	Gamma* and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											676+/-123
SPS-W-2											601+/-123
SPS-W-3											751+/-123
NAPS-W-1											11486+/-519
NAPS-W-2											826+/-143
NAPS-W-3											8333+/-439

*Gamma in air and surface water samples not analyzed due to technical issues with HPGe detector.

Virginia Department of Health
Week 13: 03/24/25 - 03/31/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				0.03+/0.005
SPS-A-2				0.02+/0.004
PSP-A-1				0.04+/0.006
NAPS-A-1				0.04+/0.007
NAPS-A-2				0.03+/0.005

Water

Site	Gamma* and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											1051+/-159
SPS-W-2											901+/-143
SPS-W-3											526+/-101
NAPS-W-1											10661+/-504
NAPS-W-2											526+/-101
NAPS-W-3											8033+/-445

*Gamma in air and surface water samples not analyzed due to technical issues with HPGe detector.

Virginia Department of Health
Week 14: 03/31/25 – 04/07/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				0.03+/0.005
SPS-A-2				0.03+/0.004
PSP-A-1				0.04+/0.005
NAPS-A-1				0.04+/0.006
NAPS-A-2				0.03+/0.004

Water

Site	Gamma* and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											0+/-246
SPS-W-2											0+/-246
SPS-W-3											0+/-246
NAPS-W-1											6832+/-402
NAPS-W-2											0+/-246
NAPS-W-3											8108+/-432

*Gamma in air and surface water samples not analyzed due to technical issues with HPGe detector.

Virginia Department of Health
Week 15: 04/07/25 – 04/14/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				0.05+/0.006
SPS-A-2				0.03+/0.004
PSP-A-1				0.03+/0.005
NAPS-A-1				0.08+/0.001
NAPS-A-2				0.03+/0.005

Water

Site	Gamma* and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											1652+/-189
SPS-W-2**											
SPS-W-3											1051+/-160
NAPS-W-1											9309+/-469
NAPS-W-2											1126+/-160
NAPS-W-3											9159+/-463

*Gamma in air and surface water samples not analyzed due to technical issues with HPGe detector.
**No sample collected for SPS-W-2 due to unsafe conditions at sample collection site.

Virginia Department of Health
Week 16: 04/14/25 – 04/21/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				0.04+/0.006
SPS-A-2				0.03+/0.005
PSP-A-1				0.04+/0.006
NAPS-A-1				0.10+/0.003
NAPS-A-2				0.05+/0.007

Water

Site	Gamma* and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											1126+/-160
SPS-W-2											526+/-124
SPS-W-3											526+/-101
NAPS-W-1											7658+/-430
NAPS-W-2											225+/-72
NAPS-W-3											8183+/-442

*Gamma in air and surface water samples not analyzed due to technical issues with HPGe detector.

Virginia Department of Health

Week 17: 04/21/25 – 04/28/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				0.04+/0.006
SPS-A-2				0.03+/0.005
PSP-A-1				0.05+/0.007
NAPS-A-1				0.06+/0.008
NAPS-A-2				0.03+/0.005

Water

Site	Gamma* and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											1051+/-160
SPS-W-2											450+/-101
SPS-W-3											676+/-124
NAPS-W-1											7958+/-435
NAPS-W-2											450+/-101
NAPS-W-3											7883+/-435

*Gamma in air and surface water samples not analyzed due to technical issues with HPGe detector.

Virginia Department of Health
Week 18: 04/28/25 – 05/05/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				0.04+/0.006
SPS-A-2				0.04+/0.006
PSP-A-1				0.08+/0.000
NAPS-A-1				0.06+/0.009
NAPS-A-2				0.06+/0.008

Water

Site	Gamma* and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											300+/-71
SPS-W-2											225+/-71
SPS-W-3											375+/-101
NAPS-W-1											7583+/-421
NAPS-W-2											300+/-71
NAPS-W-3											7583+/-421

*Gamma in air and surface water samples not analyzed due to technical issues with HPGe detector.

Virginia Department of Health
Week 19: 05/05/25 – 05/12/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				0.04+/0.006
SPS-A-2				0.04+/0.006
PSP-A-1				0.08+/0.001
NAPS-A-1				0.05+/0.008
NAPS-A-2				0.03+/0.004

Water

Site	Gamma* and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											300+/-237
SPS-W-2**											
SPS-W-3											75+/-237
NAPS-W-1											6757+/-397
NAPS-W-2											0+/-237
NAPS-W-3											6231+/-384

*Gamma in air and surface water samples not analyzed due to technical issues with HPGe detector.
**No sample collected for SPS-W-2 due to unsafe conditions at sample collection site.

Virginia Department of Health
Week 20: 05/12/25 – 05/19/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				0.07+/0.010
SPS-A-2				0.05+/0.008
PSP-A-1				0.06+/0.008
NAPS-A-1				0.06+/0.009
NAPS-A-2				0.03+/0.005

Water

Site	Gamma* and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											300+/-160
SPS-W-2											225+/-124
SPS-W-3											75+/-124
NAPS-W-1											6757+/-544
NAPS-W-2**											
NAPS-W-3											6231+/-452

*Gamma in air and surface water samples not analyzed due to technical issues with HPGe detector.
**No sample collected for NAPS-W-2 due to unsafe conditions at sample collection site.

Virginia Department of Health

Week 21: 05/19/25- 05/26/25*

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

*No sample collection and analysis performed due to equipment repair and replacement.

Virginia Department of Health
Week 22: 05/26/25 – 06/02/25*

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

*No sample collection and analysis performed due to equipment repair and replacement.

Virginia Department of Health
Week 23: 06/02/25 – 06/09/25*

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

*No sample collection and analysis performed due to equipment repair and replacement.

Virginia Department of Health

Week 24: 06/09/25 - 06/16/25*

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity*
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

*No sample collection and analysis performed due to equipment repair and replacement.

Virginia Department of Health
Week 25: 06/16/25 – 06/23/25*

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	
SPS-A-2	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	
PSP-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	
NAPS-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	
NAPS-A-2	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0+/-284
SPS-W-2	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0+/-284
SPS-W-3	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0+/-284
NAPS-W-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	5631+/-362
NAPS-W-2	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0+/-284
NAPS-W-3	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	5405+/-355

*Gamma testing performed by Division of Consolidated Laboratory Services (DCLS). Gross beta testing not performed due to equipment repair.

Virginia Department of Health
Week 26: 06/23/25 – 06/30/25*

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

*No sample collection and analysis performed due to equipment repair and replacement.

Virginia Department of Health
Week 27: 06/30/25 - 07/07/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

Virginia Department of Health
Week 28: 07/07/25 – 07/14/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

Virginia Department of Health
Week 29: 07/14/25– 07/21/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

Virginia Department of Health
Week 30: 07/21/25 – 07/28/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

Virginia Department of Health
Week 31: 07/28/25 – 08/04/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

Virginia Department of Health
Week 32: 08/04/25 – 08/11/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

Virginia Department of Health
Week 33: 08/11/25 – 08/18/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

Virginia Department of Health
Week 34: 08/18/25 – 08/25/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

Virginia Department of Health
Week 35: 08/25/25 – 09/01/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

Virginia Department of Health
Week 36: 09/01/25 – 09/08/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

Virginia Department of Health
Week 37: 09/08/25 – 09/15/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

Virginia Department of Health
Week 38: 09/15/25 – 09/22/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

Virginia Department of Health
Week 39: 09/22/25 – 09/29/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

Virginia Department of Health
Week 40: 09/29/25 – 10/06/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

Virginia Department of Health
Week 41: 10/06/25 – 10/13/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											

Virginia Department of Health
Week 42: 10/13/25 – 10/20/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

Virginia Department of Health
Week 43: 10/20/25 – 10/27/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

Virginia Department of Health
Week 44: 10/27/25 – 11/03/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

Virginia Department of Health
Week 45: 11/03/25 – 11/10/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

Virginia Department of Health
Week 46: 11/10/25 – 11/17/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

Virginia Department of Health
Week 47: 11/17/25 – 11/24/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

Virginia Department of Health
Week 48: 11/24/25 – 12/01/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

Virginia Department of Health
Week 49: 12/01/25 – 12/08/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

Virginia Department of Health
Week 50: 12/08/25 – 12/15/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

Virginia Department of Health
Week 51: 12/15/25 – 12/22/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

Virginia Department of Health
Week 52: 12/22/25 - 12/29/25

Air

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter^3	Cs-134 Activity pCi/meter^3	Cs-137 Activity pCi/meter^3	Gross Beta Activity pCi/meter^3
SPS-A-1				
SPS-A-2				
PSP-A-1				
NAPS-A-1				
NAPS-A-2				

Water

Site	Gamma and Tritium Activity – pCi/Liter										
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	H3 Activity
SPS-W-1											
SPS-W-2											
SPS-W-3											
NAPS-W-1											
NAPS-W-2											
NAPS-W-3											

Virginia Department of Health

SURFACE WATER

January 1, 2025 through December 31, 2025

Newport News Shipbuilder

Newport News Shipbuilding NNSB-W-1

James River – Pier #1

Date Collected	Gamma Activity – pCi/liter					
	Ba-140	Cs-137	I-131	Mn-54	Zn-65	Zr95/Nb95

Newport News Shipbuilding NNSB-W-2

James River – Shipway #11

Date Collected	Gamma Activity – pCi/liter					
	Ba-140	Cs-137	I-131	Mn-54	Zn-65	Zr95/Nb95

Virginia Department of Health

SURFACE WATER

January 1, 2025 through December 31, 2025

Norfolk Naval Shipyard

Norfolk Naval Shipyard NNSY-W-1

Elizabeth River – Dry Dock #8

Date Collected	Gamma Activity – pCi/liter					
	Ba-140	**Cs-137**	**I-131**	**Mn-54**	**Zn-65**	**Zr95/Nb95**
4/15/25	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified

Norfolk Naval Shipyard NNSY-W-2

Elizabeth River – Dry Dock #4

Date Collected	Gamma Activity – pCi/liter					
	Ba-140	**Cs-137**	**I-131**	**Mn-54**	**Zn-65**	**Zr95/Nb95**
4/15/25	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified

Norfolk Naval Shipyard NNSY-W-3

Elizabeth River – Dry Dock #1

Date Collected	Gamma Activity – pCi/liter					
	Ba-140	**Cs-137**	**I-131**	**Mn-54**	**Zn-65**	**Zr95/Nb95**
4/15/25	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified

Virginia Department of Health
SILT

January 1, 2025 through December 31, 2025

Newport News Shipbuilder

Newport News Shipbuilder NNSB-S-1
James River – Pier #1

Date Collected	Gamma Activity – pCi/gram			
	Cs134	Cs137	Co58	Co60

Newport News Shipbuilder NNSB-S-2
James River – Shipway #11

Date Collected	Gamma Activity – pCi/gram			
	Cs134	Cs137	Co58	Co60

Virginia Department of Health
SILT

January 1, 2025 through December 31, 2025

Norfolk Naval Shipyard

Norfolk Naval Shipyard NNSY-S-1
Elizabeth River – Dry Dock #8

Date Collected	Gamma Activity – pCi/gram			
	Cs134	Cs137	Co58	Co60
04/15/25	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified

Norfolk Naval Shipyard NNSY-S-2
Elizabeth River – Dry Dock #4

Date Collected	Gamma Activity – pCi/gram			
	Cs134	Cs137	Co58	Co60
04/15/25	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified

Norfolk Naval Shipyard NNSY-S-3
Elizabeth River – Dry Dock #1

Date Collected	Gamma Activity – pCi/gram			
	Cs134	Cs137	Co58	Co60
04/15/25	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified

Virginia Department of Health
SILT

January 1, 2025 through December 31, 2025

North Anna Power Station

Discharge Canal, NAPS-S-1

Date Collected	Gamma Activity – pCi/gram			
	Cs134	Cs137	Co58	Co60
04/03/25	NDR	NDR	NDR	NDR

Surry Power Station

Discharge Canal, SPS-S-1

Date Collected	Gamma Activity – pCi/gram			
	Cs134	Cs137	Co58	Co60
02/11/25	NDR	NDR	NDR	NDR

Note: Silt samples are collected bi-annually.

Virginia Department of Health

FISH

January 1, 2025 through December 31, 2025

Dominion Nuclear Power Station

Location Type of fish	Date Collected	Isotope	pCi/gram
North Anna Cooling Lagoon	/18	Ba-140	
		Cs-134	
		Cs-137	
		Co-58	
NAPS- F-1		Co-60	
(Fish)		I-131	
		Fe-59	
		Mn-54	
		Ru-106	
		Ag-110M	
		Zn-65	
		Nb-95	
Surry Discharge Canal		Ba-140	<156
		Cs-134	<9.18
		Cs-137	<10.2
		Co-58	<12.1
		Co-60	<9.70
SPS-F-1	04/17/25	I-131	<115
(Fish)		Fe-59	<28.1
		Mn-54	<10.0
		Ru-106	<94.6
		Ag-110M	<9.42
		Zn-65	<23.0
		Nb-95	<22.4

Note: Fish samples collected bi-annually

Virginia Department of Health
FISH

January 1, 2025 through December 31, 2025

Dominion Nuclear Power Station

Location Type of fish	Date Collected	Isotope	pCi/gram
North Anna Cooling Lagoon		Ba-140	
		Cs-134	
		Cs-137	
		Co-58	
NAPS- F-1		Co-60	
(Fish)		I-131	
		Fe-59	
		Mn-54	
		Ru-106	
		Ag-110	
		Zn-65	
		Nb-95	
Surry Discharge Canal		Ba-140	
		Cs-134	
		Cs-137	
		Co-58	
		Co-60	
SPS-F-1		I-131	
(Fish)		Fe-59	
		Mn-54	
		Ru-106	
		Ag-110M	
		Zn-65	
		Nb-95	

Note: Fish samples collected bi-annually

Virginia Department of Health
SHELLFISH

January 1, 2025 through December 31, 2025

Dominion Nuclear Power Station

Location Type of fish	Date Collected	Isotope	pCi/gram
Surry Power Station		Ba-140	<395
		Cs-134	<8.47
		Cs-137	<9.29
		Co-58	<13.0
		Co-60	<8.46
SPS-R-1	03/25/25	I-131	<573
(Clams and Oysters)		Fe-59	<31.4
		Mn-54	<8.82
		Ru-106	<84.5
		Ag-110M	<9.45
		Zn-65	<20.0
		Nb-95	<24.2

Note: Shellfish are collected annually when available.

Virginia Department of Health
Milk
January 1, 2025 through December 31, 2025

Williamsburg MO Smith Farm SPS-M-1 1st Quarter Date:	
Isotope	**Results - pCi/liter**
Ba-140	
Cs-134	
Cs-137	
K-40	
I-131	
Sr-89	
Sr-90	

Williamsburg MO Smith Farm SPS-M-1 2nd Quarter Date:	
Isotope	**Results - pCi/liter**
Ba-140	
Cs-134	
Cs-137	
K-40	
I-131	
Sr-89	
Sr-90	

Williamsburg MO Smith Farm SPS-M-1 3rd Quarter Date:	
Isotope	**Results - pCi/liter**
Ba-140	
Cs-134	
Cs-137	
K-40	
I-131	
Sr-89	
Sr-90	

Virginia Department of Health
Milk
January 1, 2025 through December 31, 2025

Williamsburg MO Smith Farm SPS-M-1 4th Quarter Date:	
Isotope	**Results - pCi/liter**
Ba-140	
Cs-134	
Cs-137	
K-40	
I-131	
Sr-89	
Sr-90	

Virginia Department of Health
VEGETATION

January 1, 2025 through December 31, 2025

Location	Date collected	Type	Isotope	Results pCi/Gram (wet weight)
Various locations within the 10 mile EPZ **SPS-V-1**	2nd Quarter	Mixed Greens	I-131 Cs-134 Cs-137	
Various locations within the 10 mile EPZ **NAPS-V-1**	2nd Quarter	Mixed Greens	I-131 Cs-134 Cs-137	
Surry Count Various locations within the 10 mile EPZ **SPS-V-1**	4th Quarter	Mixed Greens	I-131 Cs-134 Cs-137	
Various locations within the 10 mile EPZ **NAPS-V-1**	4th Quarter	Mixed Greens	I-131 Cs-134 Cs-137	

Note: Vegetation is collected bi-annually when available.

Virginia Department of Health
AMBIENT GAMMA EXPOSURE

FIRST QUARTER

Location	Station	Net Exposure Rate mR/Std Qtr	+/- 2S.D.
Jamestown – Historical site	SPS-D-1	24.05	+/- 9.81
Williamsburg – Airport	SPS-D-2	22.29	+/- 9.44
Williamsburg – Busch Gardens	SPS-D-3	24.50	+/- 9.90
Newport News - Lee Hall	SPS-D-4	29.56	+/- 10.87
Naval Weapons Station – 1	SPS-D-5	22.16	+/- 9.42
Newport News – Fort Eustis	SPS-D-6	23.62	+/- 9.72
Surry – Route 628	SPS-D-7	21.19	+/- 9.21
Surry – Lawnes Creek	SPS-D-8	31.00	+/- 11.14
Surry Power Station	SPS-D-9	25.08	+/- 10.02
Surry – Hog Point	SPS-D-10	22.21	+/- 9.43
Surry – Bacon's Castle	SPS-D-11	24.62	+/- 9.92
Surry – Alliance	SPS-D-12	19.55	+/- 8.84
Surry – Scotland Wharf	SPS-D-13	25.24	+/- 10.05
Surry – Lebanon Baptist Church	SPS-D-14	29.23	+/- 10.81
Louisa County - Mineral	NAPS-D-1	26.79	+/- 10.35
Louisa County – Wares Crossroads	NAPS-D-2	22.26	+/- 9.44
Spotsylvania – Good Hope Church	NAPS-D-3	29.37	+/- 10.84
Spotsylvania – Route 713	NAPS-D-4	24.37	+/- 9.87
Spotsylvania Route 614	NAPS-D-5	27.44	+/- 10.48
Spotsylvania – Levy	NAPS-D-6	25.77	+/- 10.15
Louisa County – Bumpass Fire	NAPS-D-7	28.22	+/- 10.62
Louisa County – Fred Hall	NAPS-D-8	29.37	+/- 10.84
Louisa County – Aspen Hill	NAPS-D-9	36.87	+/- 12.14
Louisa County – Route 685	NAPS-D-10	27.45	+/- 10.48
Louisa County – Route 700	NAPS-D-11	30.70	+/- 11.08
North Anna Power Station	NAPS-D-12	23.46	+/- 9.69
Pocahontas State Park (Control)	PSP-D-1	31.50	+/- 11.22
Radiological Health	ORH-D-1	13.84	+/- 7.44
Radiological Health	ORH-D-2	15.07	+/- 7.76

Virginia Department of Health
AMBIENT GAMMA EXPOSURE

SECOND QUARTER

Location	Station	Net Exposure Rate mR/Std Qtr	+/-	2S.D.
Jamestown – Historical site	SPS-D-1	21.71	+/-	9.32
Williamsburg – Airport	SPS-D-2	20.75	+/-	9.11
Williamsburg – Busch Gardens	SPS-D-3	21.51	+/-	9.28
Newport News - Lee Hall	SPS-D-4	24.97	+/-	9.99
Naval Weapons Station – 1	SPS-D-5	19.05	+/-	8.73
Newport News – Fort Eustis	SPS-D-6	20.18	+/-	8.98
Surry – Route 628	SPS-D-7	19.12	+/-	8.74
Surry – Lawnes Creek	SPS-D-8	24.94	+/-	9.99
Surry Power Station	SPS-D-9	24.30	+/-	9.86
Surry – Hog Point	SPS-D-10	22.39	+/-	9.46
Surry – Bacon's Castle	SPS-D-11	19.57	+/-	8.85
Surry – Alliance	SPS-D-12	18.52	+/-	8.61
Surry – Scotland Wharf	SPS-D-13	19.66	+/-	8.87
Surry – Lebanon Baptist Church	SPS-D-14	23.62	+/-	9.72
Louisa County - Mineral	NAPS-D-1	22.75	+/-	9.54
Louisa County – Wares Crossroads	NAPS-D-2	18.81	+/-	8.67
Louisa County – Good Hope Church	NAPS-D-3	25.83	+/-	10.16
Spotsylvania – Route 713	NAPS-D-4	19.32	+/-	8.79
Spotsylvania Route 614	NAPS-D-5	21.90	+/-	9.36
Spotsylvania – Levy	NAPS-D-6	25.22	+/-	10.04
Louisa County – Bumpass Fire Dep	NAPS-D-7	27.26	+/-	10.44
Louisa County – Fred Hall	NAPS-D-8	25.66	+/-	10.13
Louisa County – Aspen Hill	NAPS-D-9	28.71	+/-	10.72
Louisa County – Route 685	NAPS-D-10	21.23	+/-	9.22
Louisa County – Route 700	NAPS-D-11	24.48	+/-	9.90
North Anna Power Station	NAPS-D-12	28.08	+/-	10.60
Pocahontas State Park (Control)	PSP-D-1	31.01	+/-	11.14
Radiological Health	ORH-D-1	12.60	+/-	7.10
Radiological Health	ORH-D-2	10.30	+/-	6.42

Virginia Department of Health
AMBIENT GAMMA EXPOSURE

THIRD QUARTER

Location	Station	Net Exposure Rate mR/Std Qtr +/- 2S.D.
Jamestown – Historical site	SPS-D-1	**+/-**
Williamsburg – Airport	SPS-D-2	**+/-**
Williamsburg – Busch Gardens	SPS-D-3	**+/-**
Newport News - Lee Hall	SPS-D-4	**+/-**
Naval Weapons Station – 1	SPS-D-5	**+/-**
Newport News – Fort Eustis	SPS-D-6	**+/-**
Surry – Route 628	SPS-D-7	**+/-**
Surry – Lawnes Creek	SPS-D-8	**+/-**
Surry Power Station	SPS-D-9	**+/-**
Surry – Hog Point	SPS-D-10	**+/-**
Surry – Bacon's Castle	SPS-D-11	**+/-**
Surry – Alliance	SPS-D-12	**+/-**
Surry – Scotland Wharf	SPS-D-13	**+/-**
Surry – Lebanon Baptist Church	SPS-D-14	**+/-**
Louisa County - Mineral	NAPS-D-1	**+/-**
Louisa County – Wares Crossroads	NAPS-D-2	**+/-**
Louisa County – Good Hope Church	NAPS-D-3	**+/-**
Spotsylvania – Route 713	NAPS-D-4	**+/-**
Spotsylvania Route 614	NAPS-D-5	**+/-**
Spotsylvania – Levy	NAPS-D-6	**+/-**
Louisa County – Bumpass Fire Dept.	NAPS-D-7	**+/-**
Louisa County – Fred Hall	NAPS-D-8	**+/-**
Louisa County – Aspen Hill	NAPS-D-9	**+/-**
Louisa County – Route 685	NAPS-D-10	**+/-**
Louisa County – Route 700	NAPS-D-11	**+/-**
North Anna Power Station	NAPS-D-12	**+/-**
Pocahontas State Park (Control)	PSP-D-1	**+/-**
Radiological Health	ORH-D-1	**+/-**
Radiological Health	ORH-D-2	**+/-**

Virginia Department of Health
AMBIENT GAMMA EXPOSURE

FOURTH QUARTER

Location	Station	Net Exposure Rate mR/Std Qtr +/- 2S.D.
Jamestown – Historical site	SPS-D-1	**+/-**
Williamsburg – Airport	SPS-D-2	**+/-**
Williamsburg – Busch Gardens	SPS-D-3	**+/-**
Newport News - Lee Hall	SPS-D-4	**+/-**
Naval Weapons Station – 1	SPS-D-5	**+/-**
Newport News – Fort Eustis	SPS-D-6	**+/-**
Surry – Route 628	SPS-D-7	**+/-**
Surry – Lawnes Creek	SPS-D-8	**+/-**
Surry Power Station	SPS-D-9	**+/-**
Surry – Hog Point	SPS-D-10	**+/-**
Surry – Bacon's Castle	SPS-D-11	**+/-**
Surry – Alliance	SPS-D-12	**+/-**
Surry – Scotland Wharf	SPS-D-13	**+/-**
Surry – Lebanon Baptist Church	SPS-D-14	**+/-**
Louisa County - Mineral	NAPS-D-1	**+/-**
Louisa County – Wares Crossroads	NAPS-D-2	**+/-**
Louisa County – Good Hope Church	NAPS-D-3	**+/-**
Spotsylvania – Route 713	NAPS-D-4	**+/-**
Spotsylvania Route 614	NAPS-D-5	**+/-**
Spotsylvania – Levy	NAPS-D-6	**+/-**
Louisa County – Bumpass Fire Dept.	NAPS-D-7	**+/-**
Louisa County – Fred Hall	NAPS-D-8	**+/-**
Louisa County – Aspen Hill	NAPS-D-9	**+/-**
Louisa County – Route 685	NAPS-D-10	**+/-**
Louisa County – Route 700	NAPS-D-11	**+/-**
North Anna Power Station	NAPS-D-12	**+/-**
Pocahontas State Park (Control)	PSP-D-1	**+/-**
Radiological Health	ORH-D-1	**+/-**
Radiological Health	ORH-D-2	**+/-**

COMMONWEALTH OF VIRGINIA

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BABCOCK & WILCOX

Virginia Department of Health

AIR PARTICULATE COMPOSITE SAMPLES

January 1, 2025 through December 31, 2025

Eastern Site Boundary – Ball field

FIRST QUARTER REPORT

	Start Date	Stop Date	Gross Alpha Activity pCi/meter^3
B&W-A-1			
1st		-	

SECOND QUARTER REPORT

	Start Date	Stop Date	Gross Alpha Activity pCi/meter^3
B&W-A-1			
2nd		-	

THIRD QUARTER REPORT

	Start Date	Stop Date	Gross Alpha Activity pCi/meter^3
B&W-A-1			
3rd			

FOURTH QUARTER REPORT

	Start Date	Stop Date	Gross Alpha Activity pCi/meter^3
B&W-A-1			
4th			

COMMONWEALTH OF VIRGINIA
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EMERGENCY PREPAREDNESS

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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.