

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF HEALTH

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OFFICE OF RADIOLOGICAL HEALTH  
109 Governor Street, 7<sup>th</sup> Floor, Richmond, Virginia 23219  
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**ENVIRONMENTAL  
RADIATION  
MONITORING  
PROGRAM**

**2025  
Fourth Quarter Report**

COMMONWEALTH OF 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	

<b>WEEK</b>	<b>FREQUENCY</b>	<b>PAGE</b>	<b>COMMENTS</b>
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
<b>SILT</b>				
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
<b>FISH</b>				
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
<b>MILK</b>				
SPS-M-1	Williamsburg - MO Smith Farm	Raw	2x per year	72-73
<b>VEGETATION</b>				
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
<b><u>AIR</u></b>				
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 be 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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 28: 07/07/25 – 07/14/25**

**Air**

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 29: 07/14/25– 07/21/25**

**Air**

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 30: 07/21/25 – 07/28/25**

**Air**

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 31: 07/28/25 – 08/04/25**

**Air**

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 32: 08/04/25 – 08/11/25**

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
SPS-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.09+/0.012
SPS-A-2	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.07+/0.009
PSP-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.08+/0.010
NAPS-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.07+/0.010
NAPS-A-2	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	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	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	300+/-101
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+/-268
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+/-268
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	10586+/-506
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+/-268
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	6006+/-372

\*Gamma testing performed by Division of Consolidated Laboratory Services (DCLS).

**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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 34: 08/18/25 – 08/25/25**

**Air**

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 35: 08/25/25 – 09/01/25**

**Air**

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 36: 09/01/25 – 09/08/25**

**Air**

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 37: 09/08/25 – 09/15/25**

**Air**

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 38: 09/15/25 – 09/22/25**

**Air**

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
SPS-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.04+/0.006
SPS-A-2	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.03+/0.006
PSP-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.010+/0.003
NAPS-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.010+/0.003
NAPS-A-2	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.09+/0.002

**Water**

Site	Gamma and Tritium Activity - pCi/Liter										H3 Activity**
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	
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	901+/-143
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+/-214
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	751+/-124
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	6832+/-398
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+/-214
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	6832+/-398

\*Gamma testing performed by Division of Consolidated Laboratory Services (DCLS).

**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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
SPS-A-1				0.04+/0.008
SPS-A-2				0.04+/0.008
PSP-A-1				0.09+/0.003
NAPS-A-1**				
NAPS-A-2				0.011+/0.015

**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***											88589+/-1422
SPS-W-2											225+/-71
SPS-W-3											1201+/-160
NAPS-W-1											6757+/-398
NAPS-W-2											225+/-71
NAPS-W-3											7057+/-404

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

\*\*Gross beta analysis not performed due to breaker trip resulting in only 73 hours total sample collection time.

\*\*\*Elevated tritium level due to release in progress at time of sample collection.

**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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
SPS-A-1				0.02+/0.006
SPS-A-2				0.04+/0.008
PSP-A-1				0.09+/0.013
NAPS-A-1				0.12+/0.017
NAPS-A-2				0.07+/0.011

**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											1877+/-203
SPS-W-2											1201+/-160
SPS-W-3											1051+/-160
NAPS-W-1											7132+/-412
NAPS-W-2											150+/-72
NAPS-W-3											6682+/-399

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

**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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 42: 10/13/25 – 10/20/25**

**Air**

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
SPS-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.01+/0.003
SPS-A-2	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.01+/0.004
PSP-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.03+/0.005
NAPS-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.03+/0.005
NAPS-A-2	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.02+/0.004

**Water**

Site	Gamma and Tritium Activity - pCi/Liter										H3 Activity**
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	
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	676+/-124
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	450+/-101
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	375+/-101
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	6231+/-385
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+/-226
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	10661+/-501

\*Gamma testing performed by Division of Consolidated Laboratory Services (DCLS).

**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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
SPS-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.03+/0.008
SPS-A-2	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.05+/0.010
PSP-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.08+/0.013
NAPS-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.08+/0.013
NAPS-A-2	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.05+/0.010

**Water**

Site	Gamma and Tritium Activity - pCi/Liter										H3 Activity**
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	
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	976+/-159
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	300+/-101
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	901+/-143
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	7282+/-416
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	150+/-71
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	8859+/-457

\*Gamma testing performed by Division of Consolidated Laboratory Services (DCLS).

**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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
SPS-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.04+/0.008
SPS-A-2	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.05+/0.010
PSP-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.17+/0.023
NAPS-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.15+/0.002
NAPS-A-2	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.11+/0.016

**Water**

Site	Gamma and Tritium Activity - pCi/Liter										H3 Activity**
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	
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	1276+/-174
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+/-213
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	150+/-71
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	8333+/-376
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	300+/-71
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	8408+/-438

\*Gamma testing performed by Division of Consolidated Laboratory Services (DCLS).

**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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 46: 11/10/25 – 11/17/25**

**Air**

Site	Gamma & Radiogas in Air			Air Particulate
	I-131 Activity pCi/meter <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
SPS-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.02+/0.004
SPS-A-2	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.03+/0.005
PSP-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.04+/0.006
NAPS-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.05+/0.007
NAPS-A-2	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.03+/0.005

**Water**

Site	Gamma and Tritium Activity – pCi/Liter										H3 Activity**
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	
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	601+/-124
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	676+/-124
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	526+/-101
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	8634+/-446
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	150+/-71
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	8559+/-452

\*Gamma testing performed by Division of Consolidated Laboratory Services (DCLS).

**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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
SPS-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.03+/0.007
SPS-A-2	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.05+/0.010
PSP-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.06+/0.010
NAPS-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.05+/0.010
NAPS-A-2	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.05+/0.010

**Water**

Site	Gamma and Tritium Activity - pCi/Liter										H3 Activity**
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	
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	751+/-123
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	751+/-123
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	751+/-123
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	8859+/-450
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	75+/-225
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	9384+/-461

\*Gamma testing performed by Division of Consolidated Laboratory Services (DCLS).

**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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 Thanksgiving holiday.

**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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
SPS-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.02+/0.004
SPS-A-2	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.03+/0.005
PSP-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.05+/0.007
NAPS-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.04+/0.007
NAPS-A-2	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.03+/0.005

**Water**

Site	Gamma and Tritium Activity - pCi/Liter										H3 Activity**
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	
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	676+/-124
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	75+/-226
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	450+/-101
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	8258+/-441
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+/-226
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	8408+/-441

\*Gamma testing performed by Division of Consolidated Laboratory Services (DCLS).

**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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 staff support of radiological training event.

# 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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
SPS-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.02+/0.004
SPS-A-2	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.02+/0.004
PSP-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.03+/0.005
NAPS-A-1	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.03+/0.005
NAPS-A-2	Isotope Not Identified	Isotope Not Identified	Isotope Not Identified	0.02+/0.004

### Water

Site	Gamma and Tritium Activity - pCi/Liter										H3 Activity**
	Mn 54	Co 58	Fe 59	Co 60	Zn 65	Zr 95	I 131	Cs 134	Cs 137	Ba 140	
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	450+/-101
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+/-214
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	375+/-101
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	8559+/-446
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	450+/-101
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	8634+/-446

\*Gamma testing performed by Division of Consolidated Laboratory Services (DCLS).

**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 <sup>3</sup>	Cs-134 Activity pCi/meter <sup>3</sup>	Cs-137 Activity pCi/meter <sup>3</sup>	Gross Beta Activity pCi/meter <sup>3</sup>
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 holiday office closure.

# 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
10/15/25	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
10/15/25	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
10/15/25	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
10/15/25	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
10/15/25	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
10/15/25	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
10/20/25	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
08/26/25	NDR	NDR	NDR	NDR

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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		
<b>North Anna Cooling Lagoon</b>	/18	Ba-140			
		Cs-134	<0.576		
		Cs-137	<0.616		
		Co-58	<0.634		
		Co-60	<0.616		
		I-131	<1.37		
		Fe-59	<1.29		
		Mn-54	<0.553		
		Ru-106	<5.46		
		Ag-110M	<0.575		
<b>NAPS- F-1</b>	11/04/25	Zn-65	<1.42		
		Nb-95	<1.09		
		<b>Surry Discharge Canal</b>			
		Ba-140	<156		
		Cs-134	<9.18		
		Cs-137	<10.2		
		Co-58	<12.1		
		Co-60	<9.70		
		<b>SPS-F-1</b>	04/17/25	I-131	<115
				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	
<b>North Anna Cooling Lagoon</b>		Ba-140		
		Cs-134		
		Cs-137		
		Co-58		
	<b>NAPS- F-1</b>		Co-60	
		I-131		
		Fe-59		
		Mn-54		
		Ru-106		
		Ag-110		
		Zn-65		
		Nb-95		
	<b>Surry Discharge Canal</b>		Ba-140	<144
		Cs-134	<17.3	
		Cs-137	<18.7	
		Co-58	<18.9	
		Co-60	<16.0	
<b>SPS-F-1</b>		10/21/25	I-131	<74.9
			Fe-59	<43.5
			Mn-54	<17.0
			Ru-106	<167
			Ag-110M	<17.5
		Zn-65	<42.0	
		Nb-95	<36.2	

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
<b>Surry Discharge Canal</b>		Ba-140	<111
		Cs-134	<13.8
		Cs-137	<15.2
		Co-58	<14.9
		Co-60	<14.6
	<b>SPS-F-1</b>	10/21/25	I-131
		Fe-59	<33.5
		Mn-54	<13.5
		Ru-106	<130
		Ag-110M	<14.2
		Zn-65	<33.1
		Nb-95	<29.5
<b>Surry Power Station</b>		Ba-140	<395
		Cs-134	<8.47
		Cs-137	<9.29
		Co-58	<13.0
		Co-60	<8.46
	<b>SPS-R-1</b>	03/25/25	I-131
<b>(Clams and Oysters)</b>		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

<b>Williamsburg MO Smith Farm</b> <b>SPS-M-1</b> 1st Quarter Date:	
Isotope	Results - pCi/liter
Ba-140	
Cs-134	
Cs-137	
K-40	
I-131	
Sr-89	
Sr-90	
<b>Williamsburg MO Smith Farm</b> <b>SPS-M-1</b> 2nd Quarter Date:	
Isotope	Results - pCi/liter
Ba-140	
Cs-134	
Cs-137	
K-40	
I-131	
Sr-89	
Sr-90	
<b>Williamsburg MO Smith Farm</b> <b>SPS-M-1</b> 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)
<b>Various locations within the 10 mile EPZ</b>				
	2nd Quarter	Mixed Greens	I-131	
<b>SPS-V-1</b>			Cs-134	
			Cs-137	
<b>Various locations within the 10 mile EPZ</b>				
	2nd Quarter	Mixed Greens	I-131	
<b>NAPS-V-1</b>			Cs-134	
			Cs-137	
<b>Surry Count Various locations within the 10 mile EPZ</b>				
	4th Quarter	Mixed Greens	I-131	
<b>SPS-V-1</b>			Cs-134	
			Cs-137	
<b>Various locations within the 10 mile EPZ</b>				
	4th Quarter	Mixed Greens	I-131	
<b>NAPS-V-1</b>			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	22.63	+/-	9.51
Williamsburg – Airport	SPS-D-2	22.57	+/-	9.50
Williamsburg – Busch Gardens	SPS-D-3	23.45	+/-	9.69
Newport News - Lee Hall	SPS-D-4	27.27	+/-	10.44
Naval Weapons Station – 1	SPS-D-5	21.06	+/-	9.18
Newport News – Fort Eustis	SPS-D-6	24.41	+/-	9.88
Surry – Route 628	SPS-D-7	19.89	+/-	8.92
Surry – Lawnes Creek	SPS-D-8	30.18	+/-	10.99
Surry Power Station	SPS-D-9	22.88	+/-	9.57
Surry – Hog Point	SPS-D-10	21.49	+/-	9.27
Surry – Bacon’s Castle	SPS-D-11	21.36	+/-	9.24
Surry – Alliance	SPS-D-12	17.61	+/-	8.39
Surry – Scotland Wharf	SPS-D-13	23.20	+/-	9.63
Surry – Lebanon Baptist Church	SPS-D-14	28.70	+/-	10.71
Louisa County - Mineral	NAPS-D-1	28.53	+/-	10.68
Louisa County – Wares Crossroads	NAPS-D-2	22.15	+/-	9.41
Louisa County – Good Hope Church	NAPS-D-3	29.46	+/-	10.85
Spotsylvania – Route 713	NAPS-D-4	23.72	+/-	9.74
Spotsylvania Route 614	NAPS-D-5	26.55	+/-	10.31
Spotsylvania – Levy	NAPS-D-6	24.62	+/-	9.92
Louisa County – Bumpass Fire Dept.	NAPS-D-7	24.23	+/-	9.84
Louisa County – Fred Hall	NAPS-D-8	28.05	+/-	10.59
Louisa County – Aspen Hill	NAPS-D-9	36.19	+/-	12.03
Louisa County – Route 685	NAPS-D-10	27.02	+/-	10.40
Louisa County – Route 700	NAPS-D-11	30.02	+/-	10.96
North Anna Power Station	NAPS-D-12	23.36	+/-	9.67
Pocahontas State Park (Control)	PSP-D-1	32.11	+/-	11.33
Radiological Health	ORH-D-1	10.82	+/-	6.58
Radiological Health	ORH-D-2	10.71	+/-	6.55

# 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	24.17	+/-	9.83
Williamsburg – Airport	SPS-D-2	22.03	+/-	9.39
Williamsburg – Busch Gardens	SPS-D-3	24.90	+/-	9.98
Newport News - Lee Hall	SPS-D-4	26.68	+/-	10.33
Naval Weapons Station – 1	SPS-D-5	22.00	+/-	9.38
Newport News – Fort Eustis*	SPS-D-6		+/-	
Surry – Route 628	SPS-D-7	21.50	+/-	9.27
Surry – Lawnes Creek	SPS-D-8	28.83	+/-	10.74
Surry Power Station	SPS-D-9	28.29	+/-	10.64
Surry – Hog Point	SPS-D-10	25.13	+/-	10.03
Surry – Bacon’s Castle	SPS-D-11	23.62	+/-	9.72
Surry – Alliance	SPS-D-12	20.70	+/-	9.10
Surry – Scotland Wharf	SPS-D-13	22.54	+/-	9.50
Surry – Lebanon Baptist Church	SPS-D-14	28.51	+/-	10.68
Louisa County - Mineral	NAPS-D-1	28.09	+/-	10.60
Louisa County – Wares Crossroads	NAPS-D-2	23.95	+/-	9.79
Louisa County – Good Hope Church	NAPS-D-3	29.21	+/-	10.81
Spotsylvania – Route 713	NAPS-D-4	22.90	+/-	9.57
Spotsylvania Route 614	NAPS-D-5	25.50	+/-	10.10
Spotsylvania – Levy	NAPS-D-6	29.15	+/-	10.80
Louisa County – Bumpass Fire Dept.	NAPS-D-7	29.70	+/-	10.90
Louisa County – Fred Hall	NAPS-D-8	25.12	+/-	10.02
Louisa County – Aspen Hill	NAPS-D-9	30.84	+/-	11.11
Louisa County – Route 685	NAPS-D-10	22.93	+/-	9.58
Louisa County – Route 700	NAPS-D-11	28.24	+/-	10.63
North Anna Power Station	NAPS-D-12	30.58	+/-	11.06
Pocahontas State Park (Control)	PSP-D-1	34.26	+/-	11.71
Radiological Health	ORH-D-1	12.96	+/-	7.20
Radiological Health	ORH-D-2	11.08	+/-	6.66

\*Data not reported due to torn beta window on OSLD.

# COMMONWEALTH OF VIRGINIA

## DEPARTMENT OF HEALTH

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### OFFICE OF RADIOLOGICAL HEALTH

109 Governor Street, 7<sup>th</sup> Floor, Richmond, Virginia 23218-2448

Office (804) 864-8150

Fax (804) 864-8175

# 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	Gross Alpha Activity pCi/meter <sup>3</sup>
<b>B&amp;W-A-1</b>				
1st		-		

### SECOND QUARTER REPORT

	Start	Date	Stop	Gross Alpha Activity pCi/meter <sup>3</sup>
<b>B&amp;W-A-1</b>				
2nd		-		

### THIRD QUARTER REPORT

	Start	Date	Stop	Gross Alpha Activity pCi/meter <sup>3</sup>
<b>B&amp;W-A-1</b>				
3rd				

### FOURTH QUARTER REPORT

	Start	Date	Stop	Gross Alpha Activity pCi/meter <sup>3</sup>
<b>B&amp;W-A-1</b>				
4th				

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.