

# SPRING VALLEY FUDS TIMELINE 1993 – 2021

Munitions   Glenbrook Rd.   Groundwater   Soil   Health  
Documents   Munitions Destruction   Site-Wide Remediation

## Spring Valley Military History

### CIVIL WAR



Fort Gaines, Battery Vermont & other forts located near SV area during Civil War era.

### WWI



American University Experiment Station (AUES) 1917-1919, Built for CWM development & testing

### WWI



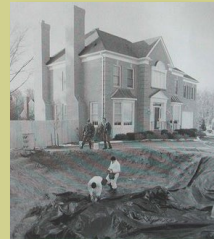
Camp Leach, 1917-1919, Built for troop training

### WWII



Navy Bomb Disposal School 1942-1946, on AU campus for research & education

January 5, 1993



Buried WWI munitions found in utility trench on 52nd Ct.

1998

Search for revised POI 24 location begins



2000 – 2011 Munitions investigations conducted on 90 Spring Valley properties

2001 – 2006  
AU Small Disposal Area & AU Lot 18 investigated



2008 – 2010  
AU Public Safety Bldg. area excavated

2003  
Glass jars with trace amounts of chemical warfare materiel (CWM), including Lewisite, found at Lot 18



Oct. 2007 – Mar. 2009  
High prob. investigation of Pit 3 resumes & is completed



2009 – 2011  
FUDS western boundary near Dalecarlia Pkwy & Woods investigated

Fall 2012  
Glenbrook Road Project Proposed Plan signed; Remedial Action: Demolition & cleanup begins



Fall 2021  
4825 Glenbrook Road Project Completed/ Lot Restoration Completed



Spring 2016 –  
Site-Wide Proposed Plan accepted; Decision Document finalized Summer 2017  
Remedial Action: Survey/Removal for munitions at 92 properties & 13 Federal/City lots



1993

Army leads Operation Safe Removal (OSR) as an Emergency Response Action

Feb. 1993  
OSR Phase I completed

1994 – 1996  
Spaulding & Capt. Rankin Area Investigation

1993 – 1995  
OSR Phase II Remedial Investigation conducted

1999  
4825 Glenbrook Rd. surveyed adjacent to Pits 1 & 2

2002  
Sedgwick Trench Investigation completed



2003  
Recovered chemical & conventional munitions destroyed

2007 – 2008  
4835 Glenbrook Test Pits

2010  
Recovered chemical munitions destroyed

2009 – 2010  
4825 High Prob. Test Pits

2011  
4825 RI & FS Reports released



2011 & 2012  
Recovered conventional munitions destroyed

2016  
Site-Wide FS Released

2017  
Advanced Geophysical Classification Pilot Study conducted

2019 –  
AU former Public Safety Building, Clean-up/Removal of laboratory debris and contamination

1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021

2001 – 2016 Site-wide arsenic sampling & removal at 1,600 Spring Valley properties / lots

2004 – 2008 Phytoremediation on 22 properties

2004 – 2015 Groundwater study 80+ site-wide & surrounding locations sampled

1993  
AUES Historical Report issued & 54 Points of Interest (POIs) established



July 1996  
DC Dept. of Health report critical of USACE investigation released

June 1995  
Remedial Investigation Report issued

June 1995  
No Further Action Record of Decision released, not finalized

January 2000  
Soil investigation of 9 properties & several lots on AU, including the Child Dev. Center - munitions investigations conducted



2001  
Child Dev. Center soil remediation completed

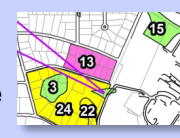
2000  
Extensive soil sampling at 4825

1999 – 2001  
Pits 1 & 2 area soil removal

March 2001 – RAB established

2002  
Two ATSDR studies consider potential health risks from former SV Military activities

2002 – 2007  
Areas of Interests Task Force (AOITF) find 28 areas (AOIs) to be addressed in addition to 54 POIs



April 2004 – Formation of Spring Valley Partnership

2005  
Elevated perchlorate found in groundwater near Sibley Hospital & AU Kreeger Hall



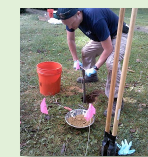
JOHNS HOPKINS  
BLOOMBERG SCHOOL  
of PUBLIC HEALTH

2006  
Johns Hopkins Univ. (JHU) study finds SV resident health very good overall

2005  
ATSDR Study finalized

March 2008  
AUES Chemical Parameters Report Released

2012  
SV perchlorate determined to be from Chilean source



Fall 2012  
AOI Sampling completed

2011 – 2013  
JHU follow-on health study

2012 – 2017  
4825, 4835 & AU Public Safety Building Potentially Responsible Party (PRP) Investigation/Report

September 2016  
Release of Groundwater Remedial Investigation Report

August 2016  
ATSDR Health Consultation completed for the former workers & residents at 4825 Glenbrook Rd

2018  
Final Site-Wide Soil Remedial Action begins

2020  
Site-Wide Soil Remedial Action completed

January 2018  
Glenbrook Road Project Board of Investigation issues report/recommendations on safety incident of August 2017

Spring 2021  
Groundwater agreement reached. Summer 2021, final document preparation begins

