SPRING VALLEY FUDS TIMELINE 1993 – 2013

Key: Munitions | Glenbrook Rd. | Groundwater | Soil | Milestone | Health | Munitions Destruction

Spring Valley Military History

CIVIL WAR

Ft. Gaines & other forts located near SV area during Civil War era

WWI

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

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

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

Mar. 1999 – Mar. 2001 Intrusive investigation of Glenbrook Pits 1 & 2

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

May 2001 – Mar. 2002 High prob. investigation of Test Pit 23 (aka: Pit 3)

2002 Sedgwick Trench Investigation completed

2000 – 2011 Munitions investigations conducted on 90 Spring Valley properties

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

April 2003 Small glass bottle with traces of Lewisite found at Lot 18

2003 Recovered chemical & conventional munitions destroyed

2008 – 2010 AU Public Safety Bldg. area excavated

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

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

2009 – 2010 4825 High Prob. Test Pits

2007 – 2008 4835 Glenbrook Test Pit Investigation

2010 Glassware w/ Arsenic Trichloride found at 4825

2010 Recovered chemical munitions destroyed

2011 & 2012 Recovered conventional munitions destroyed

Fall 2012 – 4825 Demolition & cleanup begins

Winter 2012 – 4825 & AU areas PRP Investigation begins

1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013

1993 54 Points of Interest (POIs) established

June 1994 AUES Historical Report Issued

June 1995 Remedial Investigation Report issued

June 1995 No Further Action Record of Decision released, never finalized

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

June 1997 District's Public Health Commissioner requests ATSDR perform public health consultation

2000 Soil investigation expanded to include residences & southern portions of AU near Glenbrook Pits 1 & 2

2000 Extensive soil sampling at 4825

1999 – 2001 Glenbrook Pits 1 & 2 area soil removal

2001 Child Dev. Center soil remediation completed

2001 – 2012 Site-wide arsenic sampling at 1600 properties, 178 require soil remediation

2004 – 2008 Phytoremediation on 22 properties

2004 – Ongoing groundwater study begins: 80+ site-wide & surrounding locations sampled

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

May 2005 104 Range Fan letters issued

November 2008 AUES Chemical Parameters Report Released

June 2011 – USACE begins drafting Site Wide RI Report & follow-on CERCLA docs

2002 – 2007 Areas of Interest Task Force (AOITF) find 28 areas (AOIs) to be addressed

2008 Phytoremediation Study ends

2012 SV perchlorate determined to be from Chilean source

Fall 2012 AOI Sampling completed

May 15, 2001 – Restoration Advisory Board meetings begin

April 2004 – Agencies agree to Spring Valley Partners consensus process

2007 Johns Hopkins Univ. (JHU) study finds SV resident health very good overall

2011 – 2013 JHU follow-on health study

2002 Two ATSDR studies consider potential health risks from SV arsenic concentrations

2005 ATSDR Study determines munitions pits from former SV military activities are public health hazards

2011 – ATSDR Study of 4825 initiated