



SPRING VALLEY FORMERLY USED DEFENSE SITE PROJECT
RAB Meeting

May 14, 2013
7:00 – 8:00 p.m.

UNDERCROFT MEETING ROOM
ST. DAVID'S EPISCOPAL CHURCH
5150 MACOMB ST. NW, WASHINGTON, DC

Agenda

- 7:00 p.m. I. Administrative Items**
Co-Chair Updates
▪ Announcements, Introductions
Task Group Updates
- 7:05 p.m. II. USACE Program Updates**
Glenbrook Road
Groundwater Study
Funding Update
Project Timeline
- 7:40 p.m. III. Community Items**
- 7:45 p.m. IV. Open Discussion & Future RAB Agenda Development**
Possible Upcoming Meeting Topics:
▪ Groundwater Study Overview
▪ 4825 Glenbrook Road Health Consultation Update (ATSDR)
▪ Report on Pre-2005 Human Health Risk Assessment Review (ERT)
Next meeting: July 9, 2013
- 7:50 p.m. V. Public Comments**
- 8:00 p.m. VI. Adjourn**

Spring Valley

Formerly Used Defense Site

Restoration Advisory Board Meeting

May 14, 2013

“The USACE Mission in Spring Valley is to identify, investigate and remove or remediate threats to human health, safety or to the environment resulting from past Department of Defense activities in the area.”



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Agenda Review

❖ Co-Chair Updates

- Introductions, Announcements

❖ USACE Updates

- Glenbrook Road
- Groundwater Study
- Funding Update
- Project Timeline

❖ Community Items

❖ Open Discussion & Agenda Development

❖ Public Comments



Co-Chair Updates

Introductions



Co-Chair Updates

❖ Announcements

- **Website Updates:**
 - **March 2013 RAB meeting materials (agenda, presentation, and minutes)**
 - **March Partnering meeting minutes**
- **New RAB member orientation was held in April**



Task Group Updates



4825 Glenbrook Road



Update

4825 Glenbrook Road

Site Preparation

Utility relocation efforts completed
in the backyard



During mid-April, the crews completed utility relocation as part of the preparations for high and low probability work.

With utility relocation completed, the crew continued on to prepare other areas of the site.



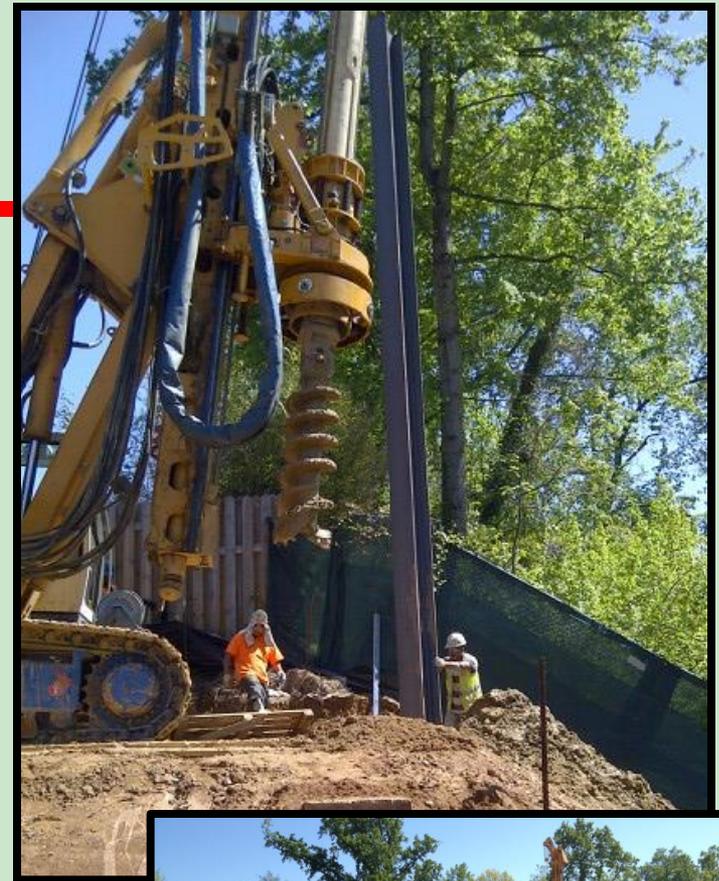
4825 Glenbrook Road Site Preparation

During the week of April 29, the crews began augering holes in the ground for the installation of the soldier pile for slope stabilization.

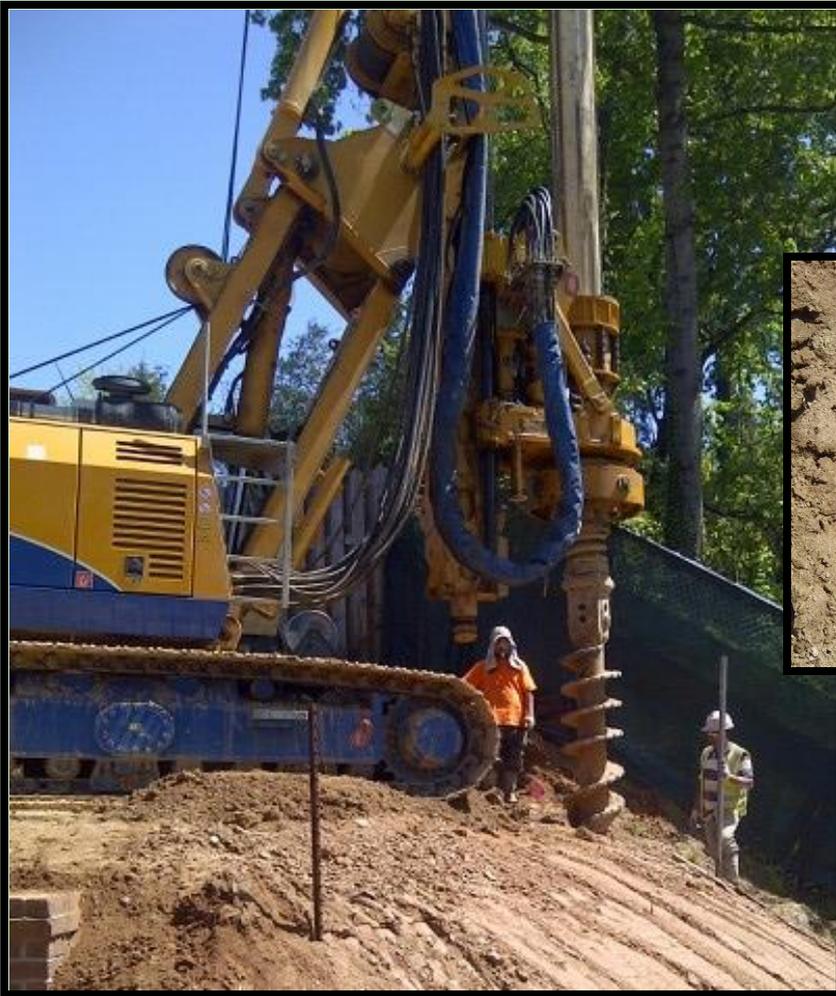
Soldier pile (similar to sheet pile) is an **engineered wall** that will provide protection to the workers by holding back the soils during high probability excavations.

This work was completed on Wednesday, May 8th.

We will now begin to prepare to set up the Engineering Controls.



I-beam Installation



Holes are first augered and these support the placement of the I-beams. The I-beams are placed vertically in each hole and anchored in concrete.

4825 Glenbrook Road

Findings to Date

A **75mm munitions debris item and some small pieces of glassware** were found on Tuesday, May 7, 2013. It was encountered while we were augering holes for the soldier pile installation. While the crew was augering behind the retaining wall, a round and some small debris was pulled up with the auger bit.

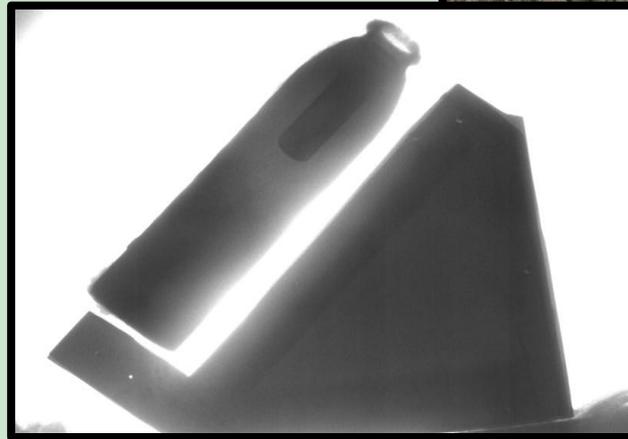
The following steps were taken:

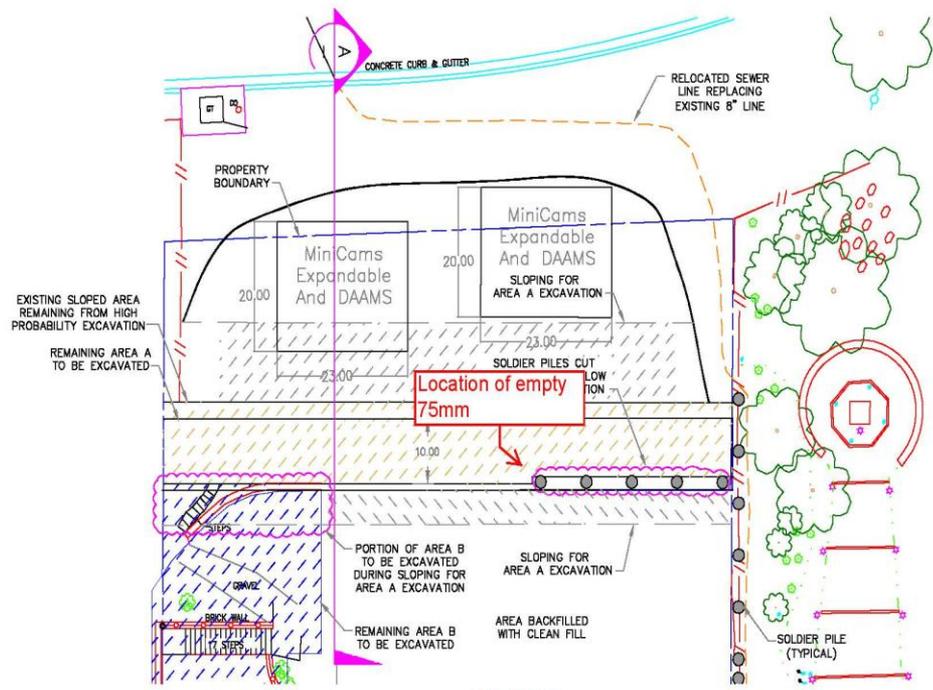
1. Work at the site was immediately stopped and our safety protocols were put in place. At no time were the workers or the community at any risk. There were no air monitoring detections throughout this incident.
2. An Army Explosive Ordnance Disposal team (Tech Escort) and the Municipal Police were contacted. Tech Escort arrived on site and X-rayed the round. The item was empty and does not contain explosives; this classifies the item as munitions debris. All tests for the presence of chemical agent were negative. The item is being stored at the Federal Property until it can be disposed of as scrap.
3. The crews cleaned the auger bit and took a soil sample to determine if the soils were contaminated with agent. This result was negative; the soils are not contaminated with agent. The glassware that was encountered was also negative for the presence of chemical agent.





Checking augered hole



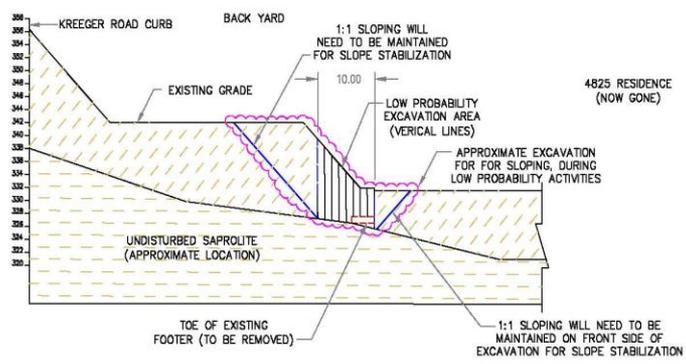


PLAN VIEW
1"=20'

LEGEND

	SEWER MANHOLE
	STORM DRAIN GRATE
	CLEAN OUT
	WINDOW WELL
	WATER METER
	ELECTRIC BOX
	WOOD FENCE
	CHAIN LINK FENCE
	TEMPORARY CHAIN LINK FENCE
	HAND RAIL
	SPRINKLER HEAD
	TREE WITH SIZE

- NOTE:
1. LOCATION OF 1:1 SLOPING IN CROSS SECTION IS APPROXIMATE AND WILL VARY ACCORDING TO ACTUAL DEPTH OF UNDISTURBED SAPROLITE (DETERMINED IN THE FIELD).
 2. LOW PROBABILITY EXCAVATION NEAR NORTH AND SOUTH PROPERTY BOUNDARIES WILL BE DONE WITH SPEED SHORING, OR TRENCH BOXES TO ELIMINATE THE NEED FOR ADDITIONAL SOLDIER PILES AND/OR SLOPING TOWARD THESE PROPERTY BOUNDARIES.



A SECTION
SCALE: 1"=20'

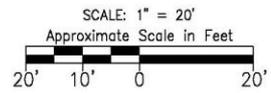


FIGURE 4-6
BACK YARD LOW
PROBABILITY EXCAVATION
4825 GLENBROOK ROAD
SPRING VALLEY
WASHINGTON D.C.

Later this summer during high probability excavation work, we will place boards between the I-beams to retain the sidewalls of the excavation. Some of the I-beams will also serve as part of the tent frame supporting the Engineering Control Structure.



Final soldier pile

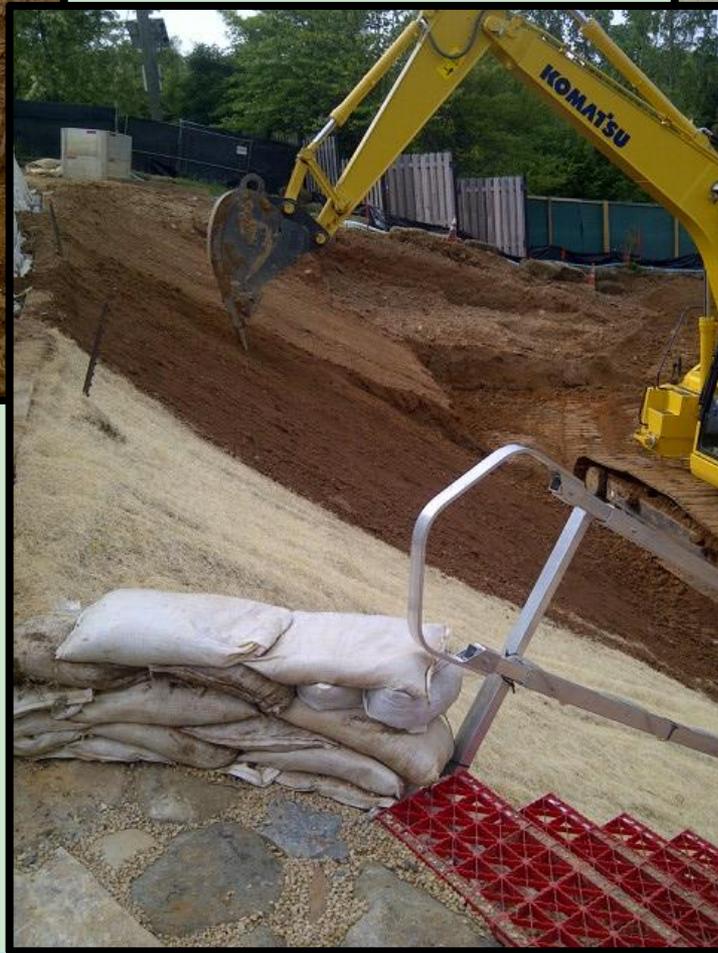
Soldier pile with lagging





Soldier pile
with lagging

Development of pad where CAFS and minicams will be located.



4825 Glenbrook Road

Schedule Update



✓ December 2012 through May 2013

Site Preparation/ Initial Low Probability Work

- Test pits in backyard and re-locating utilities
- Install soldier piles to support embankments

→ May 2013 through April 2014

ECS Set Up and High Probability Excavation

April 2014 and May 2014

Final Low Probability Excavation

May 2014

Site Restoration



4825 Glenbrook Road



Major Milestones:

- Wednesday, May 22, 2013 - Large crane arrives through Fletcher Gate and passing by Kreeger and Watkins. Crane will be used to offload and install the CAFS, support equipment and noise abatement controls. (3 days)
- Friday May, 24, 2013 (earliest) or possibly Tuesday, May 26, 2013 begin crane work from former basement of the house to facilitate installation/construction of the Engineering Control Structure (tent). (2 weeks to construct tent)
- Monday, June 17, 2013 we will begin on-site training.
- Weeks of July 15 and July 22, 2013 the Huntsville Survey and Department of Army Pre-Operations Survey. Again, this effort will be similar to the previous item.
- Monday, August 5, 2013 is the planned date to begin High Probability operations.

Sequestration Update

At this point, no final decision has been made regarding the sequestration impact on USACE. DOD and the Dept. of the Army are still reviewing the issue.

- Up to 14 days of furlough may be required. If this is implemented, we would need to review and adjust the schedule accordingly.



Groundwater



Update

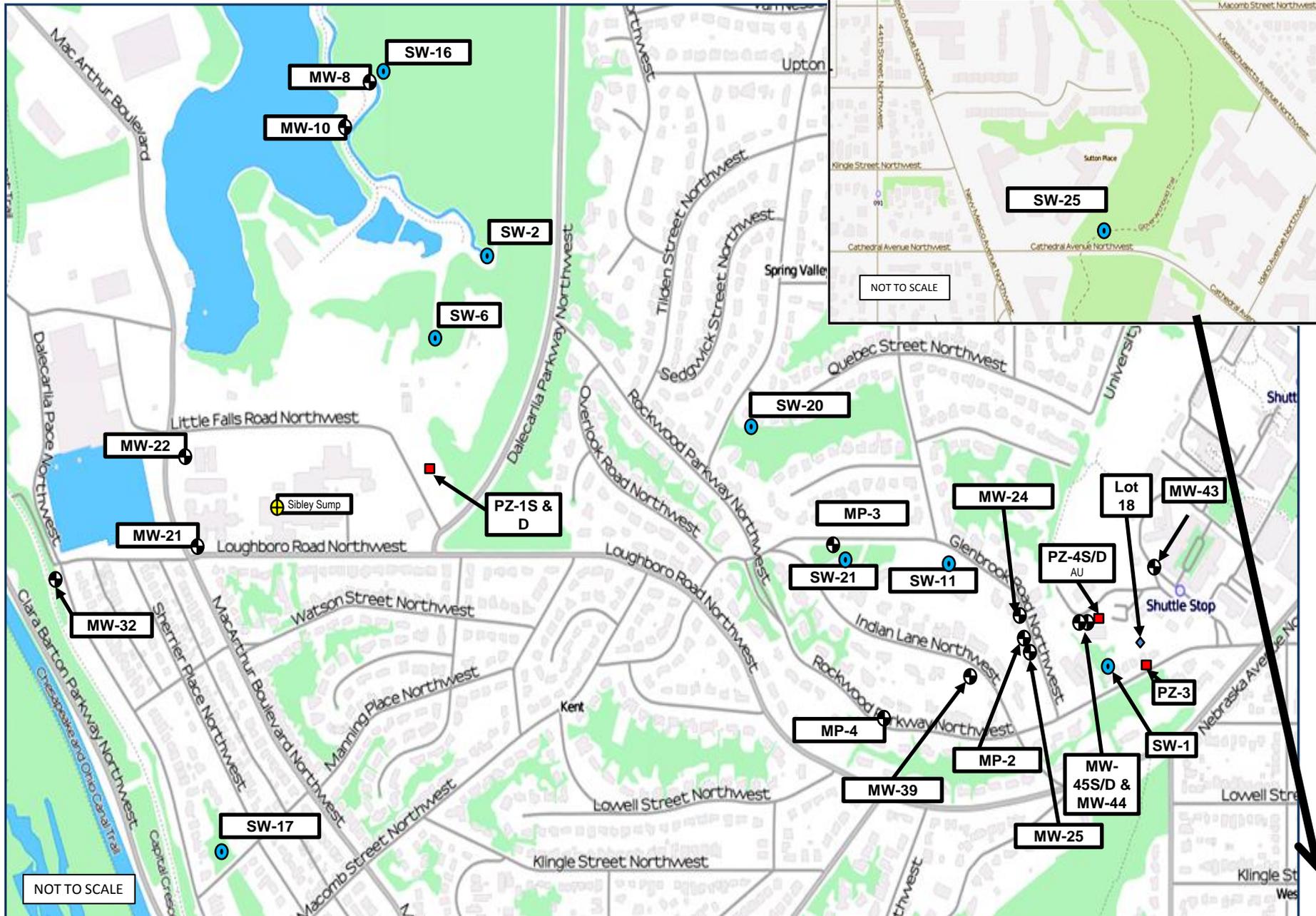
Groundwater

During the week of April 29, the USACE field team began the Spring 2013 sampling event.

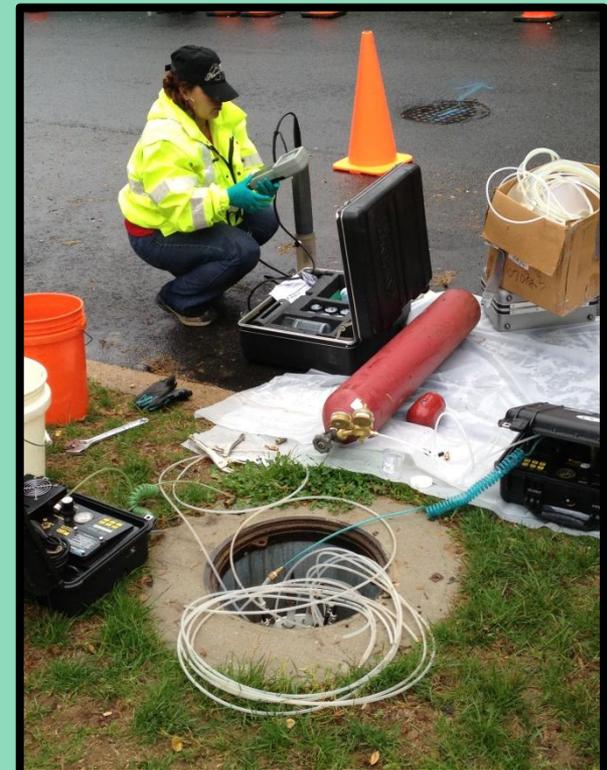
For this event, 20 existing wells and 10 surface water locations were sampled.



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Groundwater



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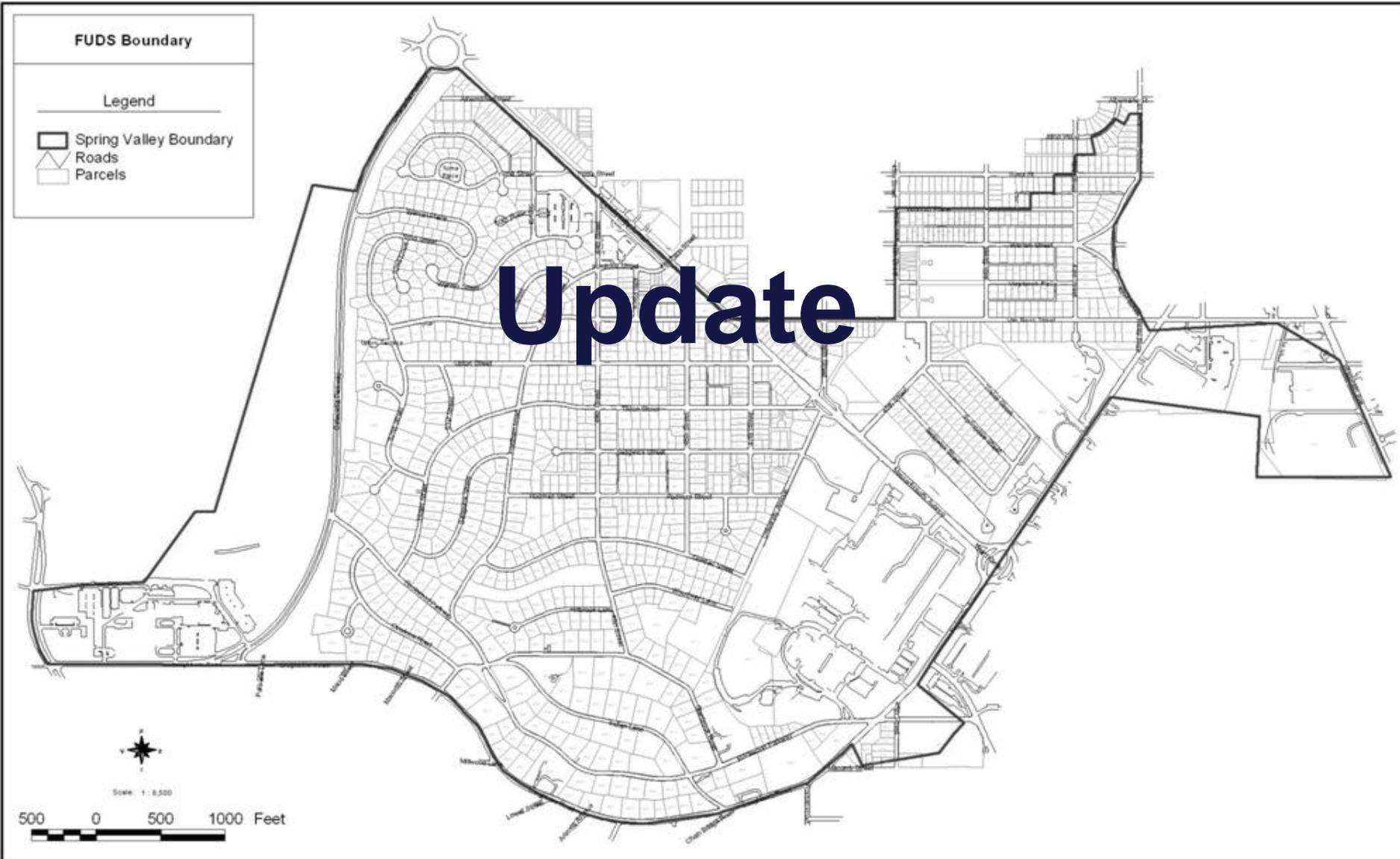
Groundwater

Initially, a few of the ports were unable to be sampled due to a mechanical issue with their valves. On May 13, USACE came up with a temporary remedy and was able to sample the remaining ports.

The spring 2013 sampling results are expected by September.



Spring Valley Funding



Spring Valley Funding Update

- **FY13: \$8.2M (Previously \$5.25)**
 - ▶ **Military Munitions Response Program**
 - Site-Wide RI/FS Report
 - 4825 Glenbrook Road House Demolition
 - Complete Remedial Design at 4825 Glenbrook Road
 - Complete Remedial Action at 4825 Glenbrook Road
 - Stakeholder Outreach
 - Site Security

 - ▶ **Hazardous Toxic Waste**
 - Site-Wide RI/FS Report
 - Groundwater Investigation
 - Arsenic Soil Sampling (1 residential property)
 - Landscape Reimbursement

 - ▶ **Potentially Responsible Party**
 - Conduct PRP Investigation



Spring Valley Funding Summary

- **FY14: \$4M (Previously \$6.2)**
 - ▶ **Military Munitions Response Program**
 - Site-Wide RI/FS Report and Proposed Plan
 - Complete Remedial Action at 4825 Glenbrook Road
 - Remedial Action Closeout Report for 4825 Glenbrook Road
 - Residential Anomaly Investigation (1 residential property planned)
 - Landscape Reimbursement
 - Stakeholder Outreach
 - Site Security
 - ▶ **Hazardous Toxic Waste**
 - Site-Wide RI/FS Report and Proposed Plan
 - Groundwater Investigation
 - Arsenic Soil Removal (1 residential property planned)
 - Landscape Reimbursement
 - ▶ **Potentially Responsible Party**
 - Complete PRP Investigation



Site Wide Spring Valley



Anticipated Major Reporting Milestones:

Remedial Investigation Report - Oct 2014

Feasibility Study - Dec 2014

Proposed Plan - Jun 2015

Decision Document - Nov 2015



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Spring Valley FUDS Restoration Advisory Board

Community Items



Spring Valley FUDS Restoration Advisory Board

As part of our continuing outreach efforts, the Corps will continue to provide

- **Monthly project updates**
- **Weekly Glenbrook Road project updates**
- **Special notices**

REMINDER: 2013 RAB meetings schedule changed

Remaining meetings:

July 9, September 10, & November 12

Upcoming Agenda Items

- Groundwater Study Overview - September
- 4825 Glenbrook Road Health Consultation Update (ATSDR) - TBD
- Report of Site Wide Risk Assessment Review (ERT)- TBD



Spring Valley FUDS Restoration Advisory Board

- **Public Comments**
- **Wrap-Up**



**U.S. Army Corps of Engineers
Spring Valley Joint Restoration Advisory Board Meeting
St. David's Episcopal Church
Minutes of the May 14, 2013 RAB Meeting**

RESTORATION ADVISORY BOARD MEMBERS PRESENT AT THIS MEETING	
Dan Noble	Military Co-Chair/USACE, Spring Valley MMRP Manager
Greg Beumel	Community Co-Chair
Linda Argo	At Large Representative – American University
Ralph Cantral	Community Member
Dr. Peter deFur	Environmental Stewardship Concepts/RAB TAPP Consultant
Mary Douglas	Community Member
Paul Dueffert	Community Member
Alma Gates	At Large Representative – Horace Mann Elementary School
Steve Hirsh	Agency Representative – US Environmental Protection Agency Region III
William Krebs	Community Member
Lawrence Miller	Community Member
Lee Monsein	Community Member
Malcolm Pritzker	Community Member
Tom Smith	Community Member
James Sweeney	Agency Representative – District Department of the Environment
George Vassiliou	Community Member
John Wheeler	Community Member
RESTORATION ADVISORY BOARD MEMBERS NOT PRESENT AT THIS MEETING	
Mary Bresnahan	Community Member
Kathleen Connell	Community Member
ATTENDING PROJECT PERSONNEL	
Brenda Barber	USACE, Spring Valley Project Manager
Lan Reeser	USACE, Technical Manager
Clem Gaines	USACE, Public Affairs
Lattie Smart	Spring Valley Community Outreach Program

Rebecca Yahiel	Spring Valley Community Outreach Program
Jessica Bruland	ERT
HANDOUTS FROM THE MEETING	
I. Final Agenda for the May 14, 2013 RAB Meeting II. Army Corps of Engineers Presentation III. Spring Valley FUDS Timeline, 1999 – 2013, 11x17	

AGENDA

Starting Time: The May 14, 2013 RAB meeting began at 7:03 PM.

I. Administrative Items

A. Co-Chair Updates

Greg Beumel, Community Co-Chair, opened the meeting. He turned the meeting over to Dan Noble.

Dan Noble, Spring Valley Project Manager and Military Co-Chair, welcomed the group. He reviewed the evening's agenda.

D. Noble and the RAB community members also welcomed the return of G. Beumel, who had been unable to attend the past couple of meetings.

G. Beumel thanked William Krebs, RAB community Member, for filling in as the Co-Chair during his absence. D. Noble seconded this appreciation.

B. Introduce Guests

No introductions were made.

C. General Announcements

D. Noble announced that recent website updates include the March 2013 RAB minutes and associated materials, along with the March 2013 Partnering minutes. Additionally, as described at the April 2013 RAB meeting, a binder containing all 2012 RAB minutes and associated materials are now available at the Information Repository at the Tenley-Friendship Branch Library.

D. Noble mentioned that a new RAB member orientation was held on April 25, 2013. Spring Valley project information was extensively reviewed during this orientation for the benefit of Ralph Cantral, the newest RAB member.

D. Task Group Updates

No task group updates were presented.

II. USACE Updates

B. Barber, Spring Valley Project Manager, provided brief status update on the current low-probability schedule, tentative high-probability schedule, and progress to date for 4825 Glenbrook Road.

D. Noble, Spring Valley Project Manager and Military Co-Chair, provided a brief status updates on the groundwater investigation and the Spring Valley project funding, along with a brief review of the Spring Valley FUDS Timeline from 1993 through 2013.

A. Military Munitions Response Program

4825 Glenbrook Road

[This section is a summary of completed schedule components provided for Readers of this meeting summary. This information was not presented at this meeting.]

Completed Documents: Finalized 4825 Glenbrook Road CERCLA-related documents are posted on the Spring Valley project website and are also available at the Information Repository at the Tenley-Friendship Branch Library. These documents include the Decision Document, which formally selects Alternative 5 (removal of the house and cleanup to residential standards providing for unrestricted future use of the property) as the cleanup alternative for the 4825 Glenbrook Road site. These documents also include the Demolition and Disposal Plan, which describes the removal and disposal of the 4825 Glenbrook Road house and associated debris.

Finalized documents also include the 4825 Glenbrook Road Remedial Design and Remedial Action Work Plan (which includes the Public Protection Plan), which describes the intrusive activities designed to achieve remedial objectives, including details of high-probability excavation engineering controls and safety procedures. (Details of this plan were shared with the RAB and the community at the October 2012 Joint RAB/Community meeting, with updates provided at the January and February 2013 RAB meetings.)

Demolition Phase: House demolition was completed in late November 2012, after the Thanksgiving holiday. Remaining house structural components are limited to the basement foundation walls and floor. The site is currently secured with fencing, and a fall protection system was installed to minimize worker safety risks at the site. (Details of this effort were shared with the RAB and the community at the January 2013 RAB meeting.)

Site Preparations for Low Probability Work: USACE completed site preparations for low probability investigative and remedial action work in January 2013. (Details of this effort were shared with the RAB and the community at the January and February 2013 RAB meetings.)

Low Probability Soil Removal Completed To Date: The first phase of the low probability effort began on January 28, 2013 and was completed in February 2013. This effort consisted of excavating a small portion of the front sidewalk, followed by confirmation sampling and restoration. (Details of this effort were shared with the RAB and the community at the February 2013 RAB meeting.)

The second low probability effort began on February 19, 2013 and was completed in early March 2013. This effort consisted of excavating all remaining backyard test pits to competent saprolite. No evidence of AUES-related debris, visible soil staining, or air monitoring detections of chemicals of potential concern were observed during this effort. (Details of this effort were shared with the RAB and the community at the March 2013 RAB meeting.)

The last initial low probability soil removal effort began on March 25, 2013 and was completed in mid-April 2013. This effort consisted of relocating a sewer utility and a water utility that could interfere with implementation of remedial activities at the site. The water utility was situated above ground along the adjacent Koreans' property, and the sewer line was situated below grade. No evidence of AUES-related debris, visible soil staining, or air monitoring detections of chemicals of potential concern were observed during this effort. This effort was completed concurrently with the initial high-probability site preparations described below. (Details of this effort were shared with the RAB and the community at the April 2013 RAB meeting.)

(Remaining low probability efforts (second phase) include a small portion of the driveway and a small portion of the backyard behind the retaining wall, and are scheduled following completion of high-probability efforts.)

Presentation Summary

Site Preparations for High-Probability Work Completed to Date: Initial site preparations for high-probability work are currently underway. As described at the March 2013 RAB meeting, completed efforts include installation of a temporary fence along the 4825/4801 Glenbrook Road property boundary and a temporary construction fence along the 4825/4835 Glenbrook Road property boundary.

Installation of soldier piles began during the week of April 29, 2013 and was completed in early May 2013 (Wednesday, May 8, 2013). Soldier pile (which is similar to sheet pile) is an engineered wall that holds back soil and stabilizes slopes that are adjacent to deeper excavation areas such as the house foundation. This wall provides protection to workers during high-probability excavations. This effort consisted of augering holes into the ground, in which I-beams were placed vertically and then anchored in concrete. During the upcoming high-probability excavation later this summer, boards (lagging) will be placed between the I-beams to retain the sidewalls of the excavation. Additionally, some of the I-beams will serve as a portion of the protective tent frame that supports the Engineering Control Structure (ECS).

Site access from the AU campus was maintained via stairs extending up the steep backyard slope, where controls are in place to minimize erosion.

Upcoming site preparations for high-probability work include setting up the ECS and associated support equipment. This equipment will be installed on a pad on a flat excavated area in the backyard. High-probability excavation is currently scheduled to begin this summer.

Findings to Date: To date, a total of one 75 mm munitions debris (MD) item was recovered along with small pieces of glassware on Tuesday, May 7, 2013. These items were encountered while augering a hole during soldier pile installation, and were situated directly behind the backyard retaining wall. The MD item and the small glassware debris were pulled out of the auger hole with the auger bit, which was pulled out in order to clean the bit when the hole had been augered halfway to saprolite.

The protective steps that were taken to ensure the safety of the workers and the community are as follows:

1. All work activities at the site were immediately stopped and low-probability safety protocols were put in place. All protocols worked as intended, and at no time were the workers or the community at risk. No air monitoring detections of chemicals of potential concern were observed throughout this incident.
2. An Army Explosive Ordnance Disposal team (Tech Escort) and the DC Metropolitan Police were contacted immediately. Tech Escort arrived on site and X-rayed the round. The item was empty and does not contain liquid fill or explosives; this classifies the item as munitions debris (MD). All tests for the presence of chemical agent were negative. The item was transported to the Federal Property for storage until it can be disposed of as scrap.
3. The crews cleaned the auger bit to remove the soil, and collected a soil sample to determine if the auger bit soils were contaminated with the presence of chemical agent. The soils tested negative and therefore are not contaminated with chemical agent. The glassware debris that was encountered were also cleared for headspace, and tested negative for chemical agent contamination.

The location of the empty MD item and the glassware (midway across the property, at an approximate depth of 6.5 feet below ground surface) was shown on a plan view diagram and a cross-section diagram of the backyard low probability excavation. Photographs of the item, the x-ray results, and the air

monitoring activities at the auger hole, after the item was removed and temporarily covered, were also shown.

Tentative Schedule (Next Steps)

All site preparation and remedial action dates from this point forward are tentative and will be determined pending resolution of any remaining issues.

Site Cleanup: The tentative remedial action schedule was recently updated to reflect the revised cleanup time frame and currently extends from late November 2012 (the completed demolition phase) through Spring 2014. This schedule is subject to change pending resolution of any remaining issues and any findings of concern at the site.

- Site preparations for high-probability work began in March 2013 and are currently underway. Following completion of the initial low probability effort, the site preparations will be completed, tentatively, by Summer 2013. Completed preparations include water and sewer utility relocation efforts, along with installation of soldier piles to support soil embankments.
- The remaining site preparations for high-probability work include installation of all engineering controls, tabletop exercises, and equipment testing to ensure that all equipment functions properly. These activities are currently scheduled to begin in late May 2013.
 - **Major Milestone:** A large crane will arrive at AU's campus through Fletcher Gate and will pass Kreeger and Watkins Halls. The purpose of this crane is to offload and install the Chemical Agent Filtration System (CAFS), support equipment, and noise abatement controls at the 4825 Glenbrook Road site. This activity is tentatively scheduled for late May 2013 (Wednesday, May 29, 2013) and will require approximately three days to complete.
 - **Major Milestone:** Crane work will begin from the former house basement to facilitate construction and installation of the Engineering Control Structure (ECS), also referred to as the protective tent. This effort is tentatively scheduled to begin in early June 2013, and will require approximately two weeks to complete.
 - **Major Milestone:** On-site training exercises with the remedial effort contractor (Parsons) will tentatively begin in mid-June 2013.
 - **Major Milestone:** Two pre-operational surveys will be conducted by USACE Huntsville's Center of Expertise (CX) and the Department of the Army (DA). These efforts are similar to the training exercises mentioned above and are designed to ensure that the remedial effort contractor (Parsons) is fully prepared to conduct high-probability excavations. Both surveys will tentatively be conducted in mid-July to late July 2013.
 - **Major Milestone:** High-probability excavation is currently scheduled to begin in early August 2013. The planned start date of Monday, August 5, 2013 is subject to change pending resolution of any remaining issues and any findings of concern at the site.
- High-probability excavation is currently scheduled for Summer 2013 through Spring 2014.
- Remaining low probability removal actions in Areas A and B (including the driveway and a small portion of the backyard) are scheduled for Spring 2014 following completion of the high probability excavations.
- Site restoration is tentatively scheduled for Spring 2014. The project team anticipates turning the remediated and restored property over to the property owner (AU) in Spring 2014.

Sequestration Update

(Potential impacts of upcoming sequester furloughs associated with government budget issues were briefly described at the March 2013 RAB meeting, and briefly discussed at the April 2013 RAB meeting.)

A final decision has not been made to date regarding potential impacts of sequestration on USACE (specifically, on remedial action progress at the 4825 Glenbrook Road site). This issue is still under review by the Department of Defense (DOD) and the Department of the Army (DA).

A total of 0 to 14 furlough days may be required for USACE, and are not anticipated to begin until late June or early July 2013. No other updated information has become available to date. If these furlough days are implemented, the tentative remedial action schedule will need to be reviewed and adjusted accordingly.

Question from W. Krebs, RAB Member – Where did you find the MD item?

B. Barber explained that the MD item was situated directly behind and approximately 1 foot from the backyard retaining wall. Relative to the property boundaries, this item was situated along the centerline of the property (if the property was bisected from Glenbrook Road to the AU campus).

Question from W. Krebs, RAB Member – Didn't you complete an extensive search for items in that area?

B. Barber explained that numerous test pits were investigated in the backyard behind the retaining wall.

Question from W. Krebs, RAB Member – How high above saprolite was the item?

B. Barber replied that the item was situated 6.5 feet above saprolite. No additional items were found in the augered hole, which extended to saprolite.

Question from Peter deFur, RAB TAPP Consultant – Did you look at the cut and fill information for that area of the property map?

B. Barber confirmed that the area containing the MD item was primarily characterized by fill. It is likely that the builder moved soil around during retaining wall construction and the MD item was deposited in this location. No AUES-related findings were observed in the remaining auger holes, which were drilled along the backyard retaining wall closer to the adjacent 4801 Glenbrook Road property.

Question from Kent Slowinski, ANC3D Commissioner and Former RAB Member – When you were developing the work plan, you assumed that no additional munitions items would be found at the property. Now that you have found another MD item, do you anticipate making any changes to the site-specific work plan?

B. Barber clarified that work plan changes are not anticipated at this time. The MD finding does not impact the current probability assessment, which states that finding an AUES-related item is unlikely but not impossible. The MD item was found under low-probability protocols and does not impact the probability (low or high) associated with this area.

Question from K. Slowinski, ANC3D Commissioner and Former RAB Member – So you would consider making changes to the work plan only if you find an intact AUES-related item containing CWM or explosives?

B. Barber confirmed that this is correct.

B. Groundwater Investigation

[Previous groundwater study efforts were described at the November 2010 RAB meeting as well as various earlier RAB meetings. Additional planned groundwater study efforts were described at the May 2011 RAB meeting as well as various subsequent RAB meetings. Recently completed and upcoming groundwater study efforts were summarized at the January 2012 through April 2013 RAB meetings.]

Semi-annual Sampling: As described at the March and April 2013 RAB meetings, selected existing groundwater monitoring wells and surface water monitoring locations will be sampled twice annually for the next few years. These locations include a total of 20 shallow and deep wells and a total of 10 surface water locations. During these sampling events, USACE field sampling crews are present in the neighborhood along with Community Outreach.

The recent semi-annual sampling event began in late April 2013 (during the week of April 29), as part of the extended 2013 groundwater monitoring program. Initially, the crews were unable to sample a few ports at two of the multi-port wells due to a mechanical issue affecting the sampling port valves. USACE resolved this issue with a temporary remedy and the remaining ports were sampled on May 13, 2013. All desired samples were successfully obtained by the time the first semi-annual sampling event was completed. Results will be shared with the RAB as early as September 2013, pending receipt of laboratory analytical data tentatively during Summer 2013.

C. Spring Valley Project Funding Update

D. Noble, Spring Valley Project Manager and Military Co-Chair, presented a brief update on the Spring Valley project schedule, including the current fiscal year (FY) 2013 project schedule and allocated funding. (FY2013 officially began on October 1, 2012.) He also briefly reviewed the anticipated funding for FY 2014, and the anticipated major reporting milestones through FY 2014/2015.

As described at the January 2013 RAB meeting, project funding updates are typically presented to the RAB toward the end of each calendar year. The current update is of interest because project field efforts are winding down and site-wide document development is underway. For each year, the funding allocated to specific activities or estimated for future activities is outlined. There is a general correlation, but not always a direct correlation, between funding obtained for a particular fiscal year and the activities assigned to the same year. Some efforts are funded and cannot be completed until the property owner grants right-of-entry or other issues are resolved. For example, 4825 Glenbrook Road site efforts completed in FY2012 were funded in FY2011.

Plus-up Funding: USACE Headquarters awarded plus-up funding of \$2.9 million for FY2013 project efforts. This unexpected extra money was used to fully fund the remedial action contractor working at the 4825 Glenbrook Road site. Originally, this contract was to be funded during FY2014. Instead, the FY2013 plus-up funding was allocated to this contract, thus eliminating any potential risk with a funding hiccup in FY 14.

USACE Headquarters also stated that they will reduce funding for FY2014 project efforts. The anticipated total funding is now \$4 million (reduced from the January 2013 estimate of \$6.2 million). This reduction will not impact FY2014 planned activities because the "lost" money would have been used to fund the remediation contractor, and this will be taken care of this year with the plus-up funds.

Overall, the project lost \$2.2 million in FY 14 and gained \$2.9 million in FY 13, coming out ahead with an additional \$700 thousand.

FY2013 Summary: Approximately \$8.2 million were or will be spent on Military Munitions Response Program (MMRP) and Hazardous and Toxic Waste (HTW) project activities during FY2013. (This total budget includes the baseline funding of \$5.25 million and the plus-up funding of \$2.9 million.) These activities include further preparations for completing the Site-Wide RI/FS report, which will resemble the documents produced for the 4825 Glenbrook Road site but will address the entire Spring Valley FUDS. Under the MMRP program, 4825 Glenbrook Road house demolition and the remedial design have already been completed. Additional MMRP activities at the 4825 Glenbrook Road site will include completion of portion of the remedial action at 4825 Glenbrook Road site (a major milestone for the Spring Valley project), and stakeholder outreach and site security activities will continue. Under the HTW program,

which focuses on environmental concerns, completed activities include arsenic sampling (1 remaining residential property funded in FY2012). Additional HTW activities will include the groundwater investigation, along with landscape reimbursement. Under the Potentially Responsible Party effort, the PRP investigation is currently being conducted.

Beyond FY2013, an annual 'cost to complete' will estimate the amount of funding required to complete planned efforts during upcoming fiscal years. These funding estimates can be adjusted based on the status of project activities. Future annual budgets beyond the next two fiscal years are speculative based on currently planned project activities, and were briefly described at the January 2013 RAB meeting. Active investigations are ongoing and the projected budgets may change.

FY2014 Projected Summary: The baseline projected budget for FY2014 project activities is \$4 million (reduced from the January 2013 estimate of \$6.2 million). Preparation of the Site-Wide RI/FS and Proposed Plan will continue. Under the MMRP program, the last planned residential anomaly investigation (Fordham Road property) will tentatively be completed, along with landscape reimbursement. Additional MMRP activities at the 4825 Glenbrook Road site will include completion of remedial actions at 4825 Glenbrook Road site (a major milestone for the Spring Valley project). Completion of the remedial action closeout report for the 4825 Glenbrook Road site will be another major project milestone, and stakeholder outreach and site security activities will continue. Under the HTW program, activities will include the groundwater investigation, the last planned arsenic soil removal (1 residential property: Fordham Road), and landscape reimbursement. Under the Potentially Responsible Party effort, the PRP investigation will be completed.

Anticipated Major Reporting Milestones: Finalization of each site-wide document (similar to the site-specific documents for the 4825 Glenbrook Road site) will be a major milestone for the Spring Valley project. The time frames for these planned milestones were finalized with the contractor, and include:

- **Site-Wide Remedial Investigation (RI) report** – October 2014
- **Site-Wide Feasibility Study (FS)** – December 2014
- **Site-Wide Proposed Plan (PP)** – June 2015
- **Site-Wide Decision Document (DD)** – November 2015

The PP will describe the recommended remedial actions, if any, for completing the Spring Valley project cleanup goals.

The determinations made in the Site-Wide DD will significantly impact future actions taken and future FY budgets, depending on whether additional site-wide remedial activities are required or whether the site cleanup is officially closed and completed. If additional actions are required, they would be implemented immediately following final approval and signature of the DD. At this time, the FY2014 projected summary and the major reporting milestones provide the best look-ahead for the overall site-wide project completion time frame, but these are subject to change pending decisions made in the site-wide DD.

Question from Mary Douglas, RAB Member – Do you anticipate that the total funding allocated to FY2014 will allow investigation of the Fordham Road property, where access issues previously prevented investigation?

D. Noble confirmed that funding for the Fordham Road property investigation will not be an issue.

M. Douglas added that at one point USACE and the RAB were concerned about this.

D. Noble acknowledged this.

D. Spring Valley Project Timeline (1993 - 2013)

D. Noble, Spring Valley Project Manager and Military Co-Chair, presented a brief overview of the Spring Valley Project Timeline, from the initial efforts in 1993 to the current FY2013 efforts.

Background: During the recent new RAB member orientation, a large amount of Spring Valley project information was reviewed, as described earlier during the meeting. At the beginning of the meeting, USACE offered suggestions to new RAB members regarding ways to understand and organize the project components. One of these suggestions was to view the Spring Valley project as a series of initiatives undertaken at different time periods during the past 20 years; some of these initiatives resulted in field work efforts or reaching important administrative decisions.

Purpose: These project elements or initiatives were displayed on a draft project timeline, which served as a “cheat sheet” for new RAB members to refer to during discussion of various project events. Due to ongoing development of site-wide documents and potential future site-wide decisions, USACE felt that it would be helpful to remind everyone of the project scope, degree of effort, and number of initiatives that have been completed over the past twenty years. The timeline was shared with the RAB as a one-page handout for their reference.

Components: The left side of the timeline summarizes the military history background and rationale for the Spring Valley FUDS project, emphasizing World War I (WWI) AUES activities but also including activities during the Civil War and WWII. A line splits the top and bottom of the page to denote each year of the project (1993 through 2013).

- Above the year timeline is a summary of MMRP activities and actions. The first munition-related event noted on the timeline is the 1993 discovery of the 52nd Court disposal pit.
- Below the year timeline is a summary of more traditional environmental activities and actions, including soil and groundwater contamination as well as the health studies conducted by outside agencies in response to community interest. Below the year timeline also includes some of the important project documents that will be used to describe the site-wide conceptual site model (CSM) in the Final RI report, and some of the important administrative actions that have occurred during the project’s lifetime, including the official formation time frames for the RAB, the Partnership, and the Area of Interest Task Force (AOITF).

Interpretation: Text boxes are color-coded to represent different categories of project efforts, including Glenbrook Road, munitions, groundwater, soil, documents, munitions destruction, and health.

During the brief discussion below, D. Noble emphasized that this initial draft version of the timeline does not provide a complete representation of all Spring Valley project efforts and important documents completed to date. Instead, this timeline provides a broad overview of project accomplishments and highlights substantial documents. It was necessary to choose representative documents from the list of hundreds of project documents that were issued since 1993. During future revisions of this timeline, a few additional project documents can be added if desired by members of the RAB and the community. Another project aspect that may be added to the timeline is the series of Congressional hearings that were held to address stakeholder concerns.

Question from Tom Smith, RAB Member – Is this timeline available on the Spring Valley project website?

D. Noble replied that the timeline has not been posted on the website. If desired by the RAB members, a link to a downloadable PDF version of this timeline can be provided on the project website, and the timeline can be updated as appropriate during future fiscal years.

Question from John Wheeler, RAB Member – Where is the 4801 Glenbrook Road property located on this timeline?

D. Noble replied that Glenbrook Road investigations and remedial efforts were highlighted on the timeline because these events have been of particular interest and focus at RAB meetings during the past

several years. This includes the intrusive investigation of Pits 1 and 2 from March 1999 through March 2001.

Suggestion from K. Slowinski, ANC3D Commissioner and Former RAB Member – Directly below the timeline, a text box mentions the “2001–2012 Site-wide arsenic sampling and removal at 1,600 Spring Valley properties/lots.” It might be better to specify that arsenic sampling occurred at 1,600 properties and arsenic removal occurred at 150 properties, or however many properties is the correct number.

D. Noble confirmed that this is the type of specific information that can be added to the timeline.

K. Slowinski added that the way this text box is currently written, it appears that arsenic removal was completed at all 1,600 Spring Valley properties.

D. Noble agreed with this observation and agreed that arsenic removal should be described as having been completed at a much smaller subset of these 1,600 Spring Valley properties.

III. Community Items

No primary community items were scheduled.

Future RAB Meeting Schedule and Continuing Outreach Efforts by USACE

[Details of this topic were provided at the March and April 2013 RAB meetings. In summary, the RAB members unanimously voted in favor of the proposed revised RAB meeting schedule. The RAB will meet six times per year, on the second Tuesday evening of every odd-numbered month. Additional meetings will be scheduled as needed to address important or urgent topics. The RAB will be promptly informed of any significant AUES-related findings or occurrences during the remaining remedial efforts.]

D. Noble reminded the group that the future RAB meeting schedule has changed. Upcoming meetings through the end of 2013 are as follows: July 9, September 10, and November 12. As part of the continuing stakeholder outreach efforts, USACE will continue to provide monthly site-wide project updates, weekly Glenbrook Road project updates, and special notices as appropriate. USACE will also continue to share information with the RAB via the stakeholder e-mail list.

D. Noble encouraged the RAB to check the Spring Valley project website more frequently during the longer interim between future RAB meetings.

IV. Open Discussion and Agenda Development

A. Next Meeting: Tuesday, July 9, 2013

Upcoming meetings will be held in September and November 2013.

RAB meetings are not held in even numbered months.

B. Future Agenda Topics

- Groundwater Study Conclusions To Date (September 2013)
- Update on the ATSDR Health Consultation for 4825 Glenbrook Road (TBD)
- Report by ERT on Site-Wide RI Report Human Health Risk Assessment (TBD)

C. Open Discussion

D. Noble provided brief updates on two future agenda topics.

ATSDR Health Consultation for Glenbrook Road: The Agency for Toxic Substances and Disease Registry (ATSDR) continues to prepare the Health Consultation for 4825 Glenbrook Road. The draft

submission time frame for Spring Valley Partner review is uncertain, but ATSDR does still intend to allow a public comment period for the document's contents. Based on recent communication with ATSDR, the public comment period is tentatively scheduled to begin in May 2014.

Human Health Risk Assessment (HHRA) for Remedial Investigation (RI) Report: Details of the HHRA approach and contents will be shared with the RAB later during 2013. Presentations on this topic will summarize how the site-wide HHRA will be completed and how it will be incorporated into the RI report. Shortly before the RI report is finalized, which will tentatively occur in October 2014, the organization of the RI report will be shared with the RAB. The RI report will be prepared using a standard format prescribed by USEPA, and components include the summarized report information along with the statements and conclusions that the Spring Valley Partners must try to reach.

As described at the April 2013 RAB meeting, this status update will follow the same approach as the March 2013 RAB meeting presentation on the details of the Munitions and Explosives of Concern Hazard Assessment (MEC HA). These assessments (the HHRA and the MEC HA) are two of many components that comprise the overall Site-Wide Remedial Investigation (RI) Report, which will eventually be finalized and made available for public review.

Question from Nan Wells, ANC3D Commissioner – Wasn't there a preliminary ATSDR report that was reviewed by the Spring Valley Partners and then returned to ATSDR to make changes that you requested?

D. Noble confirmed that two separate preliminary drafts of this document have been provided for Partner review. The second of these drafts was reviewed by the Partners over one year ago, and no further drafts have been provided by ATSDR since then. Based on the tentative report schedule, ATSDR will provide another internal draft to the Partners (including EPA and DDOE) for review sometime before 2014, and the draft for public review will tentatively be released in May 2014.

N. Wells asked for confirmation that nothing associated the ATSDR report will be made public until 2014.

D. Noble confirmed this, based on what USACE understands from ATSDR's planned schedule.

Question from N. Wells, ANC3D Commissioner – Have you shared the recent MD find at the 4825 Glenbrook Road site with the press? Has USACE written any articles about this finding? Previously, I requested that you conduct more publically-oriented efforts to share information in addition to providing updates to the Spring Valley community.

B. Barber replied that the MD find was shared in the weekly update, focused on progress at the 4825 Glenbrook Road site, which was posted on the Spring Valley project website.

Comment from N. Wells, ANC3D Commissioner – The weekly update is part of the public outreach to the Spring Valley community. Regarding the 4825 Glenbrook Road work plan, I previously suggested making this type of information more broadly available to the general public.

B. Barber explained that during the April 2013 RAB meeting, USACE agreed to provide more detailed weekly updates on the Spring Valley project website, along with additional updates as needed.

Question from N. Wells, ANC3D Commissioner – You did not feel that this information deserves more publicity by sharing it with the public? I am specifically referring to the high-probability protocols and protective measures you took, which I thought were quite good, and the MD item you found.

B. Barber explained that based on the item's MD status, USACE felt that broadly sharing this information was unnecessary. If the item had been identified as MEC, it would have been more prudent to widely share the associated information, and USACE would have done so.

Suggestion from N. Wells, ANC3D Commissioner – It might be useful to share the new Spring Valley project timeline with the overall community. This would be an excellent thing to do.

D. Noble replied that the timeline will be shared as widely as possible. Hard copies will be provided to site visitors during the next year, with many anticipated visitors associated with the 4825 Glenbrook Road site, and the timeline will also be provided electronically on the project website for interested members of the public to view and download.

Question from M. Douglas, RAB Member – Have there been any further developments in identifying the potentially responsible parties (PRP) at the 4825 Glenbrook Road site?

D. Noble replied that he is not aware of any status updates. The first draft of the PRP report has not been completed yet. (Details of this investigation were presented at the January 2013 RAB meeting.)

B. Barber explained that USACE's PRP investigation contractor, Watermark, Inc., is still conducting this investigation and will prepare a final report for USACE. The purpose is to identify additional potentially responsible parties (PRP) for the presence and/or extent of contamination at these sites. Future actions based on this information will depend on feedback from USACE's legal counsel, followed by feedback from the Department of Justice (DOJ). Depending on the findings, the documented PRP case may come back to USACE for further actions. The PRP investigation is a very lengthy process and will likely take 10 to 15 years before completion, because the DOJ requires an excessive amount of information prior to making a decision to pursue the PRP case.

M. Douglas noted that in this case, there is a standout additional PRP.

B. Barber acknowledged this and replied that this particular PRP case may be processed more quickly than the typical duration.

Comment from J. Wheeler, RAB Member – I was very pleased that USACE reported the recent MD find via e-mail as quickly as they did. I thought the response time was very good. Also, the DOJ PRP investigation will not be made public anyway.

B. Barber confirmed that the degree of public knowledge of the PRP investigation will depend on what information the DOJ will allow USACE to release.

J. Wheeler commented that, based on his experience, PRP investigation information will not be made public until it is resolved.

B. Barber confirmed this.

G. Beumel asked if there were any additional agenda topics the RAB wishes to discuss.

No additional RAB comments or questions were shared.

V. Public Comments

Comment from Ginny Durrin, Audience Member – The historical summary portion of the timeline should include the 1986 EPIC report, which was a fairly substantial document that investigated historical military activities in the Spring Valley area.

D. Noble acknowledged that the historical summary extends through WWII and the project timeline begins in 1993. Associated events that took place between WWII and 1993, such as the report issued by the U.S. Army in 1986, are not currently included.

G. Durrin emphasized that inclusion of this report would show the community that the U.S. Army is aware of investigation-related activities that occurred prior to 1993. Although the community was unaware of the EPIC report until the Spring Valley project began in 1993, the report contents were subsequently shared with the public.

Question from G. Durrin, Audience Member – Regarding the 4835 Glenbrook Road property (adjacent to the 4825 Glenbrook Road site), do you think that all necessary efforts have been completed? This

property is represented by a square text box without an arrow on the timeline. Do you think the property is safe?

D. Noble confirmed that the 4835 Glenbrook Road property is represented by a closed text box because all project activities at the property were completed. USACE does not have any concrete plans to conduct further work at this property. A draft document was developed to summarize the activities and findings at this property, along with development of a site-specific HHRA, for future release.

Question from G. Durrin, Audience Member – When will the report for this property be available?

D. Noble replied that report finalization is in progress. The draft final report has been reviewed by the Regulatory Partners and by Dr. P. deFur, and USACE hopes to finalize the report and share it with the Spring Valley community within the next couple of months.

G. Durrin thanked D. Noble for the information.

Question from K. Slowinski, ANC3D Commissioner and Former RAB Member – Can you share information on why the ATSDR report completion is taking so long? The preliminary draft for public review is anticipated in Spring 2014, and USACE is projecting completion of the 4825 Glenbrook Road remedial work at about the same time.

D. Noble clarified that preliminary drafts of the report have already been completed and reviewed, and confirmed that the draft report for public review is anticipated in May 2014. USACE cannot provide much explanation as to why the draft report preparation is taking so long, beyond what details have been provided to USACE and shared at recent RAB meetings. The internal organizational structure of ATSDR was recently reorganized, with a complex internal staffing procedure, and personnel shifting within the ATSDR resulted in schedule delays for projects such as the Health Consultation for 4825 Glenbrook Road. At this point, multiple drafts of the report have been prepared,

Question from K. Slowinski, ANC3D Commissioner and Former RAB Member – Who is the contact individual for the Health Consultation?

D. Noble replied that Laura Frazier is the contact person, based on the information and point-of-contact details on the ATSDR website.

Question from K. Slowinski, ANC3D Commissioner and Former RAB Member – Would it be possible to share the existing draft report, produced by ATSDR, with the RAB and the audience members?

D. Noble clarified that this question should be directed to ATSDR, but they are unlikely to release the existing draft report. The official draft report will be released to the public for review in 2014.

K. Slowinski commented that the report is already in the draft stage.

D. Noble explained that although the preliminary draft was completed and provided to the Spring Valley Partners for review, ATSDR chose to rework this document. At this point they do not appear to have a document that is ready for release. With respect to the 4825 Glenbrook Road remedial action time frame, the Health Consultation focuses on past residential and worker exposures at the property, and will not contain information that provides guidance for the current property efforts.

Question from K. Slowinski, ANC3D Commissioner and Former RAB Member – Have the workers who are completing the site remediation been updated on the information contained in the preliminary draft Health Consultation?

USACE confirmed that the preliminary draft contents were shared with USACE, who are conducting the remedial effort.

Question from K. Slowinski, ANC3D Commissioner and Former RAB Member – Have you shared this information with the site workers?

D. Noble clarified that the preliminary draft Health Consultation was not provided to or read by the site workers.

B. Barber noted that all site personnel have been highly trained for hazards that can be expected at the 4825 Glenbrook Road site. All appropriate steps and safety precautions have been taken, including medical surveillance and appropriate levels of personal protective equipment (PPE). USACE will not take any risks that would expose site personnel to potential AUES-related chemicals at the site.

D. Noble added that the remedial action contractor was included in the project management team that developed the site-specific work plans. The contractor has access to all of the site information that USACE possesses. Specifically, the contractor has worked at the site for the past several years and is almost considered the keeper of this site-specific information.

Question from K. Slowinski, ANC3D Commissioner and Former RAB Member – Would the current site workers benefit from learning about possible past exposures that occurred at the site?

D. Noble clarified that this information would not be beneficial because the project management team, including the contractor, has taken extraordinary precautions including medical surveillance to protect site personnel from possible chemical exposures.

No additional public comments or questions were shared.

D. Noble and G.Beumel thanked everyone for attending.

VI. Adjourn

The meeting was adjourned at 7:53 PM.