



SPRING VALLEY FORMERLY USED DEFENSE SITE PROJECT
RAB Meeting

September 19, 2014
7:00 – 8:30 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
 ▪ Introductions, Announcements
Task Group Updates
- 7:10 p.m. II. USACE Program Updates**
Site-Wide Remedial Investigation Schedule
Fordham Road
Community Relations Plan
Groundwater Study
Glenbrook Road
- 8:00 p.m. III. Community Items**
- 8:10 p.m. IV. Open Discussion & Future RAB Agenda Development**
Upcoming Meeting Topics:
 ▪ (Suggestions?)
 ▪ 4825 Glenbrook Road Health Consultation Update (ATSDR)
- *Next meeting: November 18
- 8:20 p.m. V. Public Comments**
- 8:30 p.m. VI. Adjourn**

**Note: The RAB meets every odd month.*

Spring Valley

Formerly Used Defense Site

Restoration Advisory Board Meeting

September 9, 2014

“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.”



®

US Army Corps of Engineers
BUILDING STRONG®

Agenda Review

❖ Co-Chair Updates

- Introductions, Announcements

❖ USACE Updates

- Site-Wide Remedial Investigation Schedule
- Fordham Road
- Community Relations Plan
- Groundwater
- Glenbrook Road

❖ Open Discussion & Agenda Development

❖ Community Items

❖ Public Comments



Co-Chair Updates



Introductions



BUILDING STRONG®

Co-Chair Updates

Announcements

➤ Website Updates:

- July & August Monthly Site-Wide Project Update
- Weekly 4825 Glenbrook Rd Project Updates with photos
- June Partnering meeting minutes
- July RAB meeting materials (agenda, presentation)
- Updated Community Relation Plan
- Explanation of Significant Differences document (included in the 4825 Glenbrook Rd Decision Document)

➤ Information Repository Updates:

- Updated Community Relation Plan
- Explanation of Significant Differences document (under Project Documents on the 4825 Glenbrook Rd project effort home page)

- The November RAB meeting date was changed to November 18th, due to the Veteran's Day.

The screenshot shows the US Army Corps of Engineers website for the Baltimore District, specifically the Spring Valley project page. The page features a navigation menu with links for Home, About, Business with US, Missions, Locations, Careers, Media, Library, and Contact. A search bar is located in the top right corner. The main content area includes an announcement section with text about project schedule updates and a photo gallery. Below the announcement is a 'Spring Valley Overview' section with a brief description of the site. To the right, there are sections for 'Project Documents' and 'Associated Organizations'. The Corps'pendent logo is also visible.



Spring Valley FUDS Restoration Advisory Board

MEETING GROUND RULES

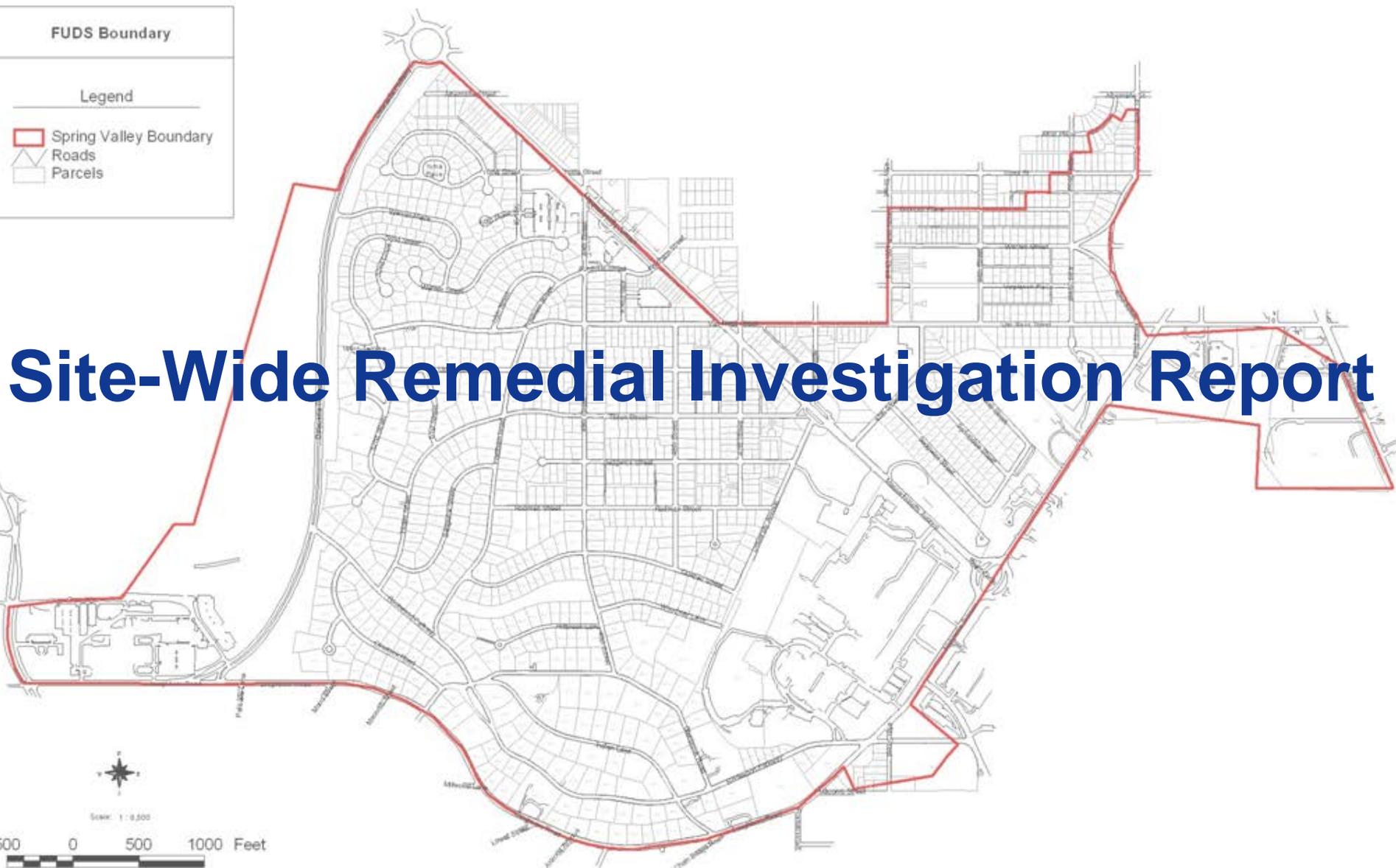
Revisions Adopted at April 2011 RAB Meeting

1. Meetings will start and end on time, unless the group agrees to extend or shorten the venue.
2. Meetings will have an agenda with focused topics for presentation and discussion. The agenda will include a set aside time for both open discussion and public comments.
3. All dialogue will be respectful. Disrespect produces defensiveness; defensiveness does not contribute to progress. (Respectful dialogue deals with the particulars of the situation without impugning individuals, their motives, or their organizations.)
4. There is only one meeting; no side conversations—only one person may talk at a time.
5. The privacy of FUDS residents will be respected.
6. The USACE meeting minutes remain the only official meeting record. While unobtrusive audio recording is permitted, video recording is not allowed.
7. Necessary decisions will be made by consensus whenever possible; formal votes are a last resort. Decisions made by the group, once reached, will be supported by all the members.
8. No surprises or secrets. All relevant information concerning the site will be shared by all parties, except where privacy or security requirements apply. Information dissemination is one of the major responsibilities of the USACE and all RAB members.
9. Meeting participants are asked to identify themselves when speaking for the record.

Task Group Updates



USACE Updates



Site-Wide Remedial Investigation Report

Spring Valley FUDS

Site-Wide RI Report Review

- USACE expects to receive internal Army review comments for the Remedial Investigation (RI) report.
- The report will be available to the Partners for a 60-day review, once internal Army comments are addressed.
- After the Partners review and their comments are addressed, a draft final RI report is tentatively schedule to be released in January 2015, for an informal 45-day community review, prior to finalization.
- During the informal 45-day community review, USACE plans to hold a community meeting to discuss the RI report.
- Once the RI is finalized, USACE will move onto the Feasibility Study.



USACE Updates



Fordham Road

Spring Valley FUDS

Fordham Road

With concurrence from the Partners, we sampled along the property lines of the two neighbors on the 3700 block of Fordham Road.

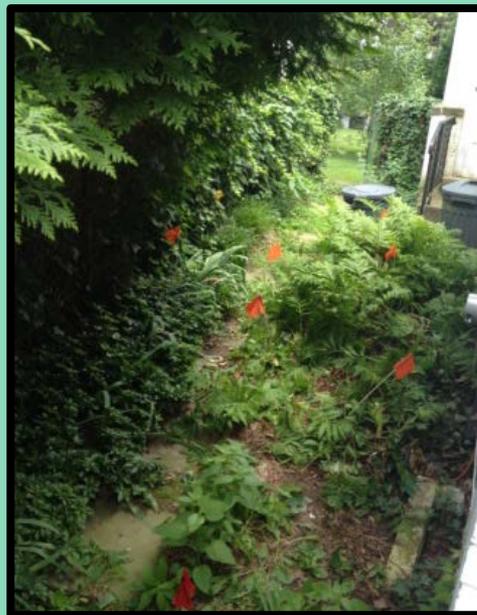
- One property will have one grid removed later this fall.
- The other property had two boundary grids sampled. One grid was clean, while the second grid showed slightly elevated arsenic levels.
- Pending the homeowners decision, this second grid will either be removed in the fall, or the homeowner will receive a 'comfort letter' stating that one grid has an arsenic concentration above 20 ppm, but below 43 ppm. The Partners have concurred with these choices.



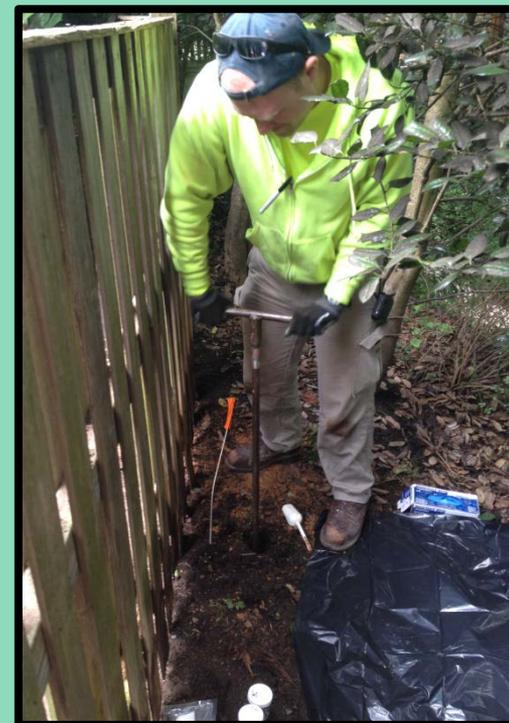
Spring Valley FUDS Fordham Road



Using a Schoenstat to clear the area for anomalies



Marking the grid



Hand augering for subsurface sampling



Collecting and organizing the samples



UPDATED COMMUNITY RELATIONS PLAN
SPRING VALLEY FORMERLY USED DEFENSE SITE
WASHINGTON, DC



US Army Corps
of Engineers®
BUILDING STRONG®

Prepared for:
US ARMY CORPS OF ENGINEERS
BALTIMORE DISTRICT

Previous Versions:
February 9, 1999
March 26, 1999
March 24, 2003
May 3, 2006
August 28, 2007
December 23, 2009



Prepared by:
Earth Resources Technology, Inc.
Laurel, MD 20707

July 16, 2014 Update

Updated Community Relations Plan

*Presentation by
Maya Werner, ERT*

Community Relations Plan (CRP)

What is the CRP?

- Provides historical background information on the Spring Valley Formerly Used Defense Site (FUDS) and summaries about each of the environmental investigations within the FUDS.
- Identifies community concerns regarding the environmental investigations and clean up activities.
- Describes methods employed by the Army Corps to provide information to the variety of stakeholders.
- Describes ways the community can provide feedback to the Army Corps.



Community Relations Plan (CRP) Updates



- The CRP is a living document
 - The initial draft involved community interviews.
 - Routine updates have been made throughout the many years of the project. These included a survey and other efforts to collect community feedback to update various details in the plan.
- The most recent update included 30 community interviews in the Summer 2013.
 - This information helped inform the approach for ongoing community involvement.
 - USACE will continue to implement current community outreach programs and goals, while incorporating updated objectives.



Community Relations Plan (CRP)

Interview Approach

We took a qualitative approach with the interviews.

- Focused on input for continuous improvement; asking for advice and feedback from those who had interacted directly with USACE.
- **55 stakeholders** were asked to participate, and **30 responded** to our invitation. Some individuals were selected randomly, especially those representing a large interest group, such as the residents who experienced soil removal or anomaly investigations.
- We met with individual residents, as well as small groups representing those with similar community roles (RAB members, realtors, etc.)
- Participants were sent an outline of the questions ahead of the interview, giving them time to reflect on their experiences over the years.

Types of Questions Asked

- Awareness of Current and Previous Investigations
- Opinions and Concerns about the Project
- Interests in Information
- Methods of Communication
- Level of Community Involvement.

Community Relations Plan (CRP) Interview Participants

- ✓ Glenbrook Road residents
- ✓ Past and present RAB members
- ✓ Residents who participated in:
 - Soil sampling and removal
 - Anomaly investigations
 - Groundwater monitoring
 - Operation Safe Removal
- ✓ ANC representatives
- ✓ AU employees
- ✓ Citizen Organizations
- ✓ Horace Mann Elementary representatives
- ✓ Spring Valley realtors



Community Relations Plan (CRP)

What we learned



(Full Summary in CRP, Section 5)

➤ Awareness of Current and Previous Investigation

- The majority of participants indicated they were familiar with the past and present investigations, as well as the various cleanup activities in the Spring Valley neighborhood. *The Corps'pondent* was the most cited source of information.
- **Recommendations and comments included:**
 - Clarify where the Spring Valley project is in the CERCLA (The Comprehensive Environmental Response, Compensation, and Liability Act) process.
 - Explain what it means when the USACE leaves the project site, especially how the USACE plans to keep lines of communication open with the public.
 - A few participants expressed concern that the realtors who work in the SV FUDS need to be better informed.



Community Relations Plan (CRP)

What we learned



➤ Opinions and Concerns about the Project

- Overall, community members reported having favorable opinions about the project and the outreach efforts.
- The primary concerns voiced by participants were the long duration of the project, the impact on property values, and the communication of risk.

➤ Interest in information

- The community is overall satisfied with the current level and frequency of information being provided.
- The community expressed the most interest in learning about the project history, how the USACE plans to ensure that the project is complete, and how this completion is communicated to the public.



Community Relations Plan (CRP)

What we learned

➤ Methods of Communication

- The majority of respondents prefer (in order of preference)
 - email updates
 - Corps'pondent
 - one-on-one conversations with project staff
 - postings on the project website.
- Other current methods of communication were also deemed appropriate, including attending RAB and public meetings.

➤ Level of Community Involvement

- The current level of community involvement is adequate. In general, the community is not interested in more involvement.
- Most respondents noted that they were actively engaged while their property was being remediated, and the frequency/amount of information they received and level of involvement in the planning was good.



Community Relations Plan (CRP)

Resulting Goals and Actions



Goal: Increase education about CERCLA and where the current project fits in the process.

Action: *Created a factsheet about the CERCLA process, and included this information in the January 2014 Corps'pondent.*

- The new fact sheet was distributed to the community via the Information Repository, the project website, and RAB meetings.

Action: *Included more information about CERCLA (its amendments, and the history of the work done at Spring Valley) in the updated CRP, and announced when it was posted to the website.*

Goal: Increase awareness of the SV FUDS in the Spring Valley realtor community.

Action: *Started planning educational/informative meetings with different realtor groups. Offered briefings to community realtors.*



Community Relations Plan (CRP)

Resulting Actions



Goal: Continue to engage and maintain the same level of outreach and transparency to the community.

Action: *USACE and the Community Outreach team will continue implementation of the community relations program described in the Updated CRP.*

Goal: Following project completion, ensure ongoing access to USACE points of contact and project information.

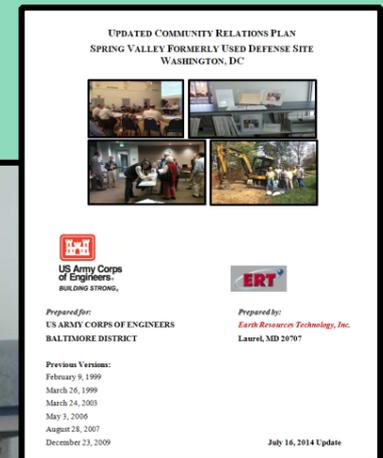
Action: *Maintain the website with referenced contact information, and telephone access for public inquiries. Also, started discussing the need for a comprehensive historical overview fact sheet to accompany the recently developed timeline. This will illustrate where the project started and what has been accomplished during subsequent clean-up efforts.*



Community Relations Plan (CRP)

Where to find the updated Community Relations Plan

- On our project website, under “Project Documents.”
- At the Information Repository at the Tenley-Friendship Library



Groundwater

Update



Groundwater

FY 2014 Groundwater Investigation Effort

The installation of the two additional deep wells was successfully completed in August:

- One well (**MW-46 S&D**) was placed on Sibley Hospital property.
- The other well (**MP-5**) was placed on the road, off the tip of the Rockwood Parkway 'island.'



Groundwater

Monitoring Well (MW) 46 S&D at Sibley Hospital



**Completed Well at
Sibley Hospital
(MW-46 S&D)**



Groundwater

Multi-Port (MP) 5 on Rockwood Parkway



Preparing the
Drill Rig

Air knifing the
well location to
ensure it is
clear of utilities



Performing
Geophysics



Installing the liner to
seal bore hole wall

Groundwater

Drilling Activities



MW-46 S&D

- ✓ Conducted air-knifing for utility clearance; had to offset the well 5 feet.
- ✓ Completed the borehole drilling to 120 feet below ground surface.
- ✓ Conducted borehole geophysics.
- ✓ Installed well screens at two different depths in the borehole.

MP-5

- ✓ Conducted air-knifing for utility clearance. Had to offset the well about 5 feet to southwest to avoid the street light which hangs over the road.
- ✓ Completed the borehole drilling to 200 feet below ground surface.
- ✓ Conducted borehole geophysics.
- ✓ Installed the blank liner to seal the borehole.
- *The final liner with sampling ports will be installed in October.*



Groundwater

Finished Well Depths

MW-46 S&D

- 72 to 92 feet below ground surface (bgs)
- 108 to 118 feet bgs

MP-5 (to be completed in October 2014)

- 37.5 - 45 feet bgs
- 55 - 67.5 feet bgs
- 90 - 107.5 feet bgs
- 122.5 - 132.5 feet bgs
- 177.5 - 182.5 feet bgs

The field crew will return to Rockwood Pkwy to install the final FLUTE liner for MP-5 in October. A permit will be obtained to close one side of the road for this work, which expected to take one full day.

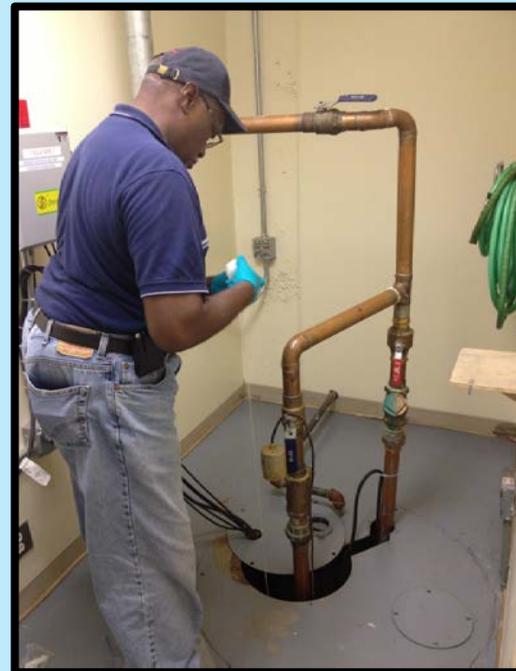


Groundwater

FY 2014 Groundwater Monitoring Effort

USACE is planning two upcoming field efforts:

- **Quarterly sampling event in September:** five monitoring points (PZ-4 S&D, 44, and 45 S&D) near Kreeger Hall on the AU campus, and at the Sibley Hospital Sump.
- **Several monitoring wells require maintenance.** This field work is tentatively planned for September.



4825 Glenbrook Road



Update

4825 Glenbrook Road

Summary of Findings Recovered the First Tent

- **High probability finished July 31. Findings and Totally Removals as of August 28 for high probability excavation under the first tent were:**
 - **Roll-offs and Drums:** 70 roll-offs of soil, 993 drums of soil and 16 roll-offs of rubble have been removed.
 - **Soil Removed:** ~684 yds³ out of the 425 yds³ projected for Area F.
 - **547.5 lbs. of glass:** Cleared headspace analysis.
 - **151 lbs. of metal debris:** Cleared headspace analysis.
 - 39 intact glass containers, five 75mm munitions debris items, one Mk IV adapter/booster, one 75mm shrapnel round with no explosives, and one 4.7” projectile with no explosives.
- **No intact containers found since April 22, 2014.**
- **There have been no readings for chemical agent on the MINICAMS (near real time continuous air monitoring system) at the pre-filter (inlet to the Chemical Agent Filtration System, or CAFS) since mid-May.**

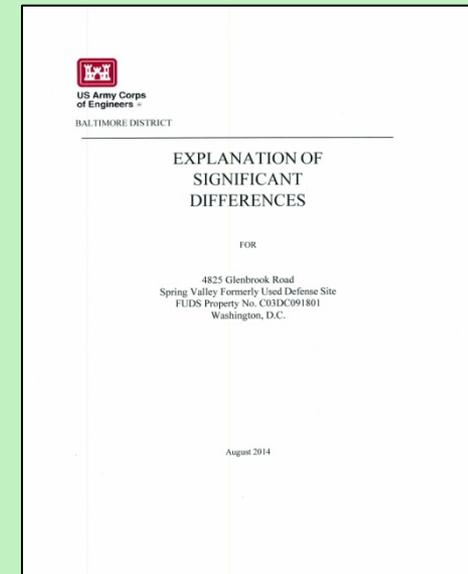


4825 Glenbrook Road

Explanation of Significant Differences

We recently issued an Explanation of Significant Differences (ESD) in reference to the disposal of the 75mm shrapnel round found at the site earlier this year. Assessments revealed that it contains a possible magnesium arsenide fill and appears to be an experimental type of munition. This type of munitions item does not clearly fit under any of the munitions categories in the Action Memoriam. The ESD provides authorization for off-site disposal versus the typical on-site disposal.

On-site disposal of munition items remains the preferred remedial alternative, this ESD simply provides authorization for the off-site alternative when deemed appropriate by the Corps of Engineers, and concurred by the Partners.



4825 Glenbrook Road

Tent Move Activities



During the last week of July, an on-site Corps of Engineers geologist confirmed that the crews had reached competent saprolite (weathered rock) tent wide.

With the geologist's affirmation, the crews completed the current high probability work under the first tent location and began preparations for the tent move activities.



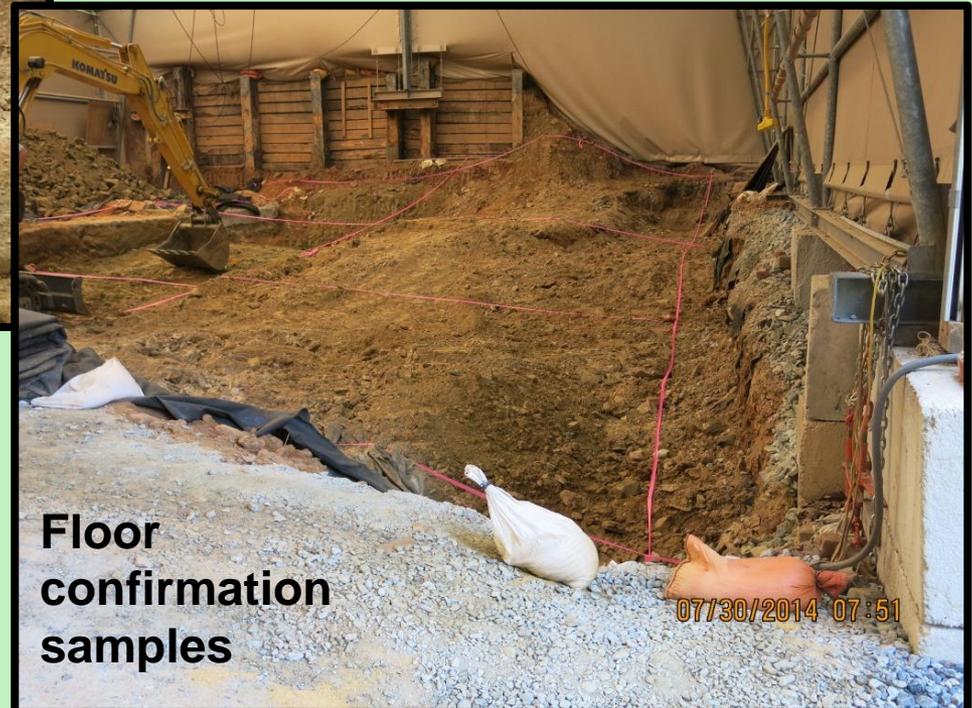
4825 Glenbrook Road

Tent Move Activities



We received the final confirmation soil samples for chemical agent from the competent saprolite and bedrock under the first tent location.

The sample results all came back clean for agent.



4825 Glenbrook Road

Tent Move Activities



Preparations for the tent move will occur over the next few months.

Prepping for Backfill Work



BUILDING STRONG®

4825 Glenbrook Road

Tent Move Activities

People passing by the site might have seen the tent is rolled up.

Our team needs to have the front and back of the tent rolled up about 8 feet to properly ventilate carbon monoxide from the tent during the backfilling operations.

There are no risks to the community from the backfilling operations.



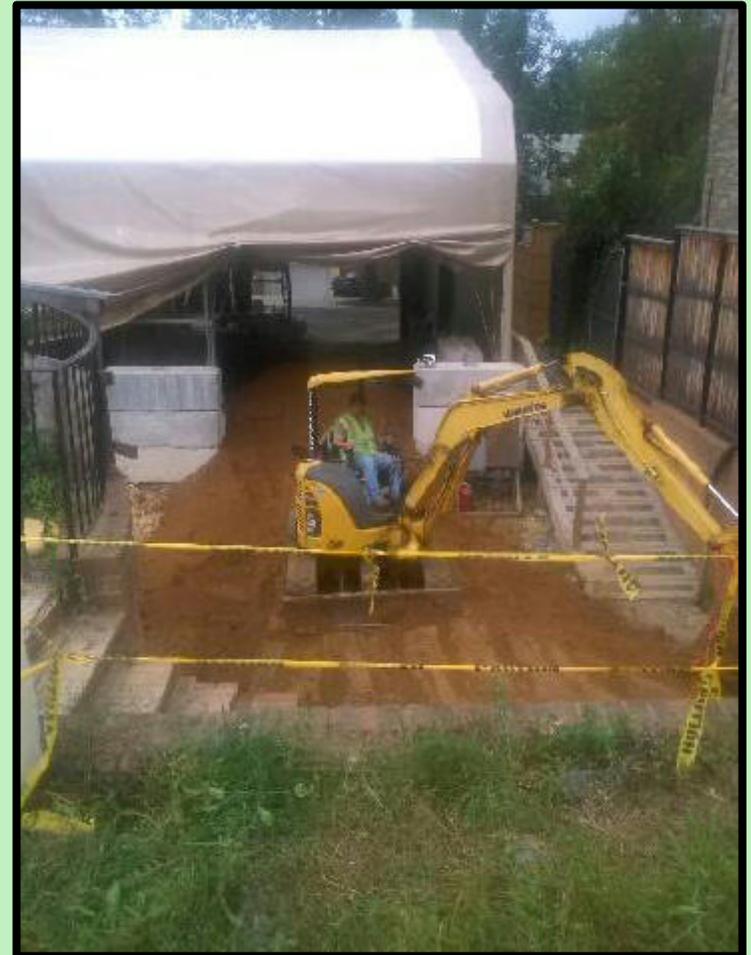
Backfill Activities



Crews completed backfilling the excavation area under the first tent location. This area will be needed for the relocation of support facilities.



The crews took down the personal decontamination station and redress tent, and moved the medical monitoring shed, in order to prepare for the second tent location.

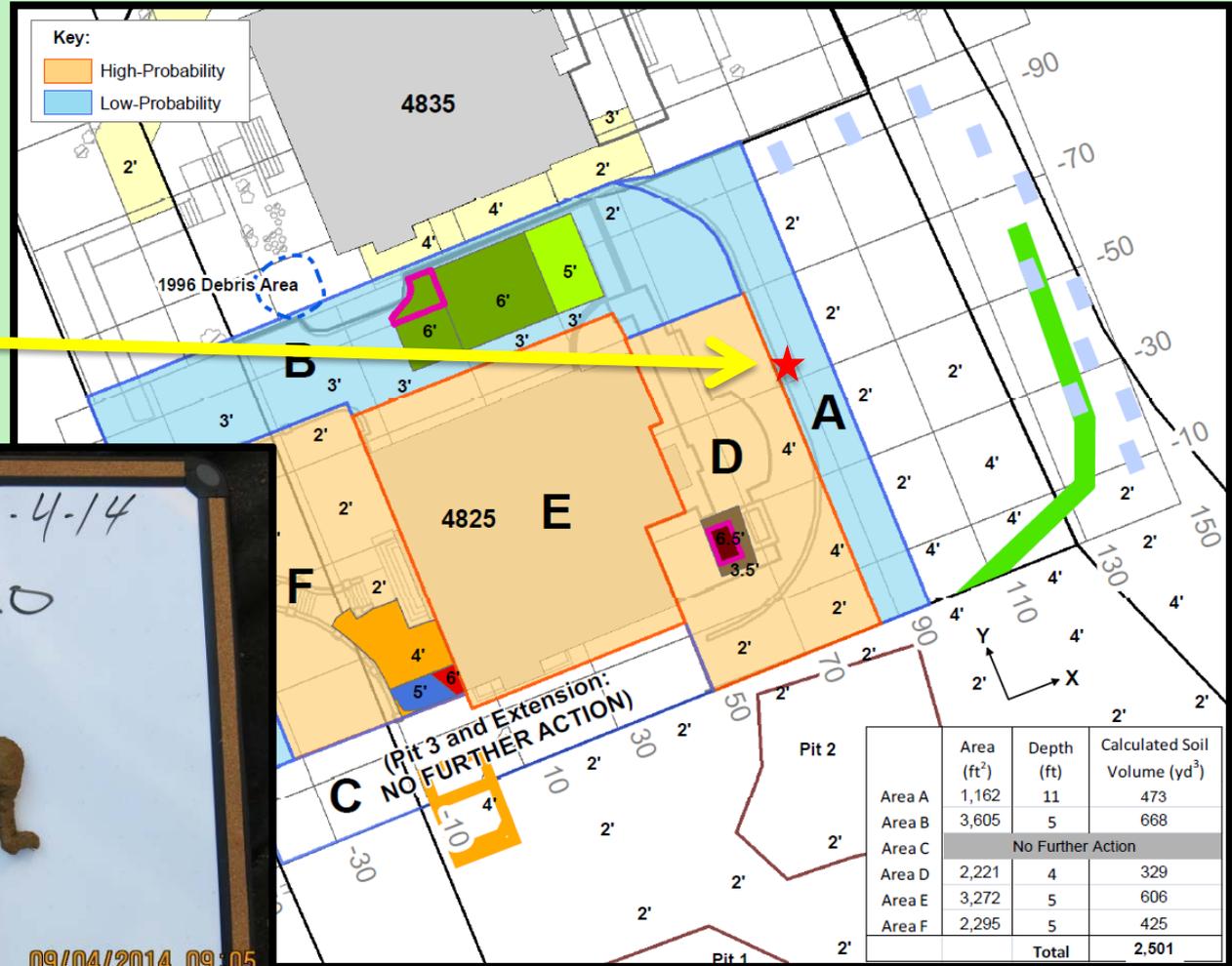


In preparation for low probability work behind the back retaining wall, the crews constructed a dirt ramp to access the area.

4825 Glenbrook Road Tent Move Activities

The low probability operations began on September 4th.

Scrap glass found on September 4, 2014.



4825 Glenbrook Road

Tent Move Activities

➤ Activities during the tent move:

- ✓ Remove equipment from the tent, including lights, cameras, hoses, and excavator. Backfill under the first tent.
- ✓ Relocate the 'Personal Decon. Station' (PDS), redress tent, medical tent, and other support equipment.
 - Assemble the crane on the AU parking lot, which will then move the tent in three sections to the backyard of the property.
 - Replace the 'skin' of the tent.
 - Install equipment back in tent and re-align CAFS ducting.
 - Perform a smoke test to ensure negative pressure.

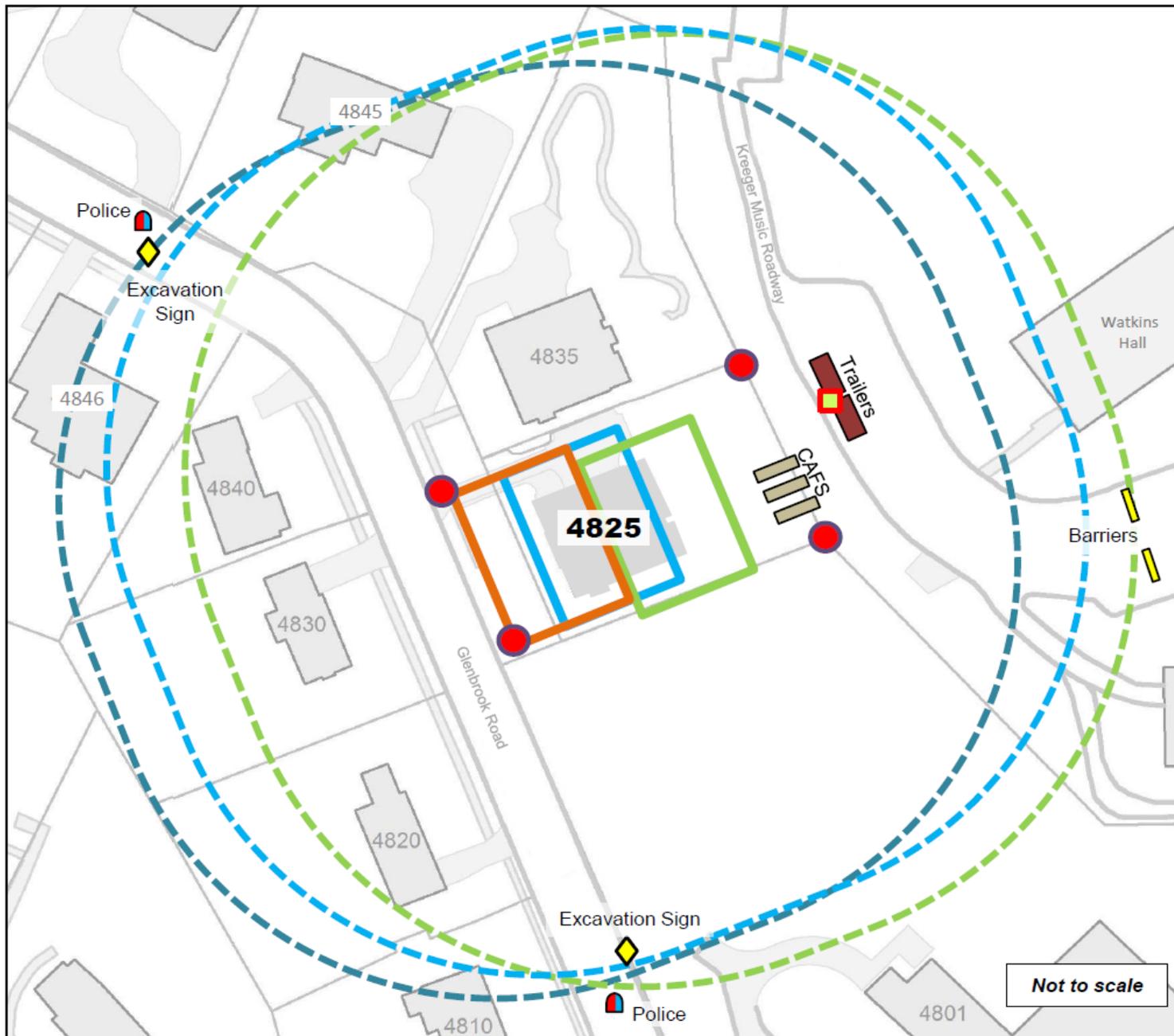


4825 Glenbrook Road

Tent Move Activities

- As a reminder, the Shelter-in-Place program was paused in August since high probability operations under the first tent location were completed in July.
- USACE will restart the Shelter-in-Place program when the high probability operations are ready to start under the second tent location. **No high probability excavation work will take place during the tent move operations.**
- **At the beginning of September**, we reverted back to our normal schedule, 8 a.m. - 4 p.m.





Shelter-In-Place Zones During High Probability Operations

Key	
	ECS 1
	ECS 2
	ECS 3
	Zone 1
	Zone 2
	Zone 3
	Base Station
	Strobe & Speaker
	Excavation Sign

The first scheduled Engineering Control Structure (ECS) location (purple) is in the front yard towards Glenbrook road. Then the ECS moves towards the backyard and Kreeger Music Roadway (green).

Three Chemical Agent Filtration System (CAFS) units will be utilized for this operation

District of Columbia-Metropolitan Police Department (MPD) District 2 will cut and pull traffic during an emergency. This map indicates the 2 locations they will respond to, after receiving a 'Code 1' notification. All MPD District 2 officers working during operation times will be briefed prior to operations starting.

Not to scale

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 September 2013

ECS Set Up, High Probability training, and Pre-Operational Exercises

→ September 2013 through Winter 2016/2017

High Probability Excavation

Winter 2017 through Spring 2017

Final Low Probability Excavation

Spring 2017 through Summer 2017

Site Restoration



Spring Valley FUDS Restoration Advisory Board

Community Items



Spring Valley FUDS Restoration Advisory Board

➤ **Reminder: Our next meeting will be**
November 18th

➤ **Upcoming Agenda Items**

▪ **Suggestions?**

- 4825 Glenbrook Road Tent 2 presentation
- Site-wide Remedial Investigation Report Update
- 4825 Glenbrook Road Health Consultation Update (ATSDR) - TBD



BUILDING STRONG®

Spring Valley FUDS Restoration Advisory Board

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

