



SPRING VALLEY FORMERLY USED DEFENSE SITE PROJECT
RAB Meeting

November 15, 2016
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
 ▪ Introductions, Announcements
Task Group Updates
- 7:05 p.m. II. USACE Program Updates**
Annual Project Funding
Groundwater Study
Site-Wide Decision Document
Glenbrook Road
Pilot Project
- 7:30 p.m. III. Community Items**
- 7:40 p.m. IV. Open Discussion & Future RAB Agenda Development**
Upcoming Meeting Topics:
 ▪ (Suggestions?)

 *Next meeting: January 10, 2017
- 7:50 p.m. V. Public Comments**
- 8:00 p.m. VI. Adjourn**

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

SPRING VALLEY FORMERLY USED DEFENSE SITE

Restoration Advisory Board Meeting 15 November 2016

“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.”

“The views, opinions and findings contained in this report are those of the authors(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other official documentation.”



AGENDA REVIEW

Co-Chair Updates

- Introduction, Announcements

USACE Updates

- Annual Project Funding
- Groundwater Study
- Site-Wide Decision Document
- Glenbrook Road
- Pilot Project

Community Items

Open Discussion & Future RAB Agenda Development

Public Comments



CO-CHAIR UPDATES

Introductions



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of Engineers**

CO-CHAIR UPDATES

Announcements

– Website Updates:

- September and October Monthly Site-Wide Project Updates
- Weekly 4825 Glenbrook Rd Project Updates with photos
- July Proposed Plan community meeting transcript
- September RAB meeting minutes
- August Partner meeting minutes



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TASK GROUP UPDATES



ANNUAL PROJECT FUNDING

USACE Updates



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of Engineers**

SPRING VALLEY FUDS FUNDING SUMMARY

➤ FY16, Actual Funding (\$7.497 M)

▪ Military Munitions Response Program (\$6.955 M)

- Site-Wide RI/FS Report
- Conduct Remedial Action at 4825 Glenbrook Road (\$4.758 M)
- Pilot Project
- Stakeholder Outreach
- Site Security

▪ Hazardous Toxic Waste (\$0.430 M)

- Site-Wide RI/FS Report
- Groundwater Investigation
- Arsenic Soil Removal
- Landscape Reimbursement

▪ Potentially Responsible Party (\$0.084 M)

- Conduct PRP Investigation

▪ Technical Assistance for Public Participation (TAPP) (\$0.03 M)

- RAB Technical Consultant



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SPRING VALLEY FUDS FUNDING SUMMARY

➤ **FY17, Projected Funding (\$10.618 M)**

▪ **Military Munitions Response Program (\$9.811 M)**

- Site-Wide Remedial Action (\$8.921 M)
- Conduct Remedial Action at 4825 Glenbrook Road
- Pilot Project
- Stakeholder Outreach
- Site Security



▪ **Hazardous Toxic Waste (\$0.690 M)**

- Site-Wide Remedial Action
- Groundwater RI/FS

▪ **Potentially Responsible Party (\$0.036 M)**

- Conduct PRP Investigation

▪ **Technical Assistance for Public Participation (TAPP) (\$0.03 M)**

- RAB Technical Consultant



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SPRING VALLEY FUDS FUNDING SUMMARY

| FY | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|-----------|--------|-------|-------|-------|-------|-------|-------|--------|
| \$\$ in M | 11.859 | 8.861 | 1.744 | 0.087 | 0.292 | 1.164 | 8.874 | 10.892 |

| FY | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 _a |
|-----------|-------|--------|--------|--------|--------|--------|--------|-------------------|
| \$\$ in M | 9.824 | 19.819 | 11.000 | 11.471 | 20.362 | 11.063 | 13.843 | 20.871 |

| FY | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|-----------|--------|--------|--------|-------|-------|--------|-------|-------|
| \$\$ in M | 15.700 | 19.345 | 17.220 | 6.501 | 9.210 | 33.280 | 3.561 | 7.497 |

| FY | 2017 _b | 2018 | 2019 | 2020 | | | | |
|-----------|-------------------|------|------|------|--|--|--|--|
| \$\$ in M | 10.618 | -- | -- | -- | | | | |

Spent through FY 2016: \$ 274.340M

a = FY08 includes \$3.2 M Congressional additional funding

b = Planned funding for FY17



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GROUNDWATER STUDY

USACE Updates

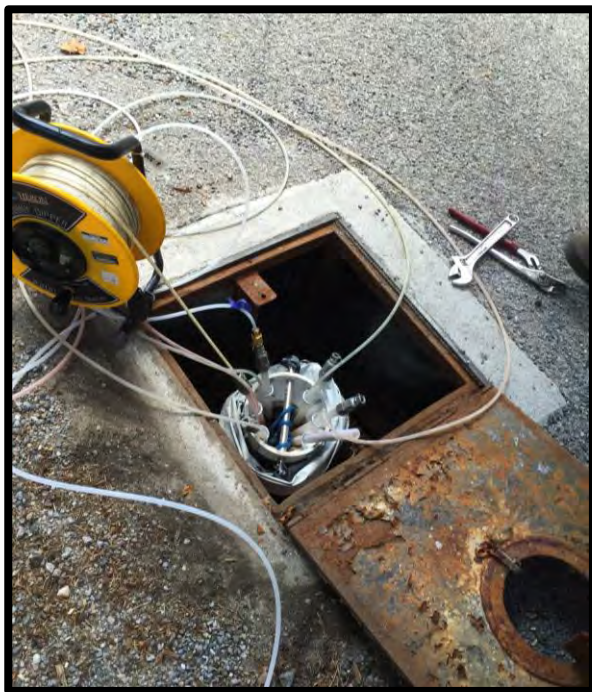


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GROUNDWATER FEASIBILITY STUDY

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The Final Groundwater Remedial Investigation (RI) report was finalized at the end of September. The Groundwater RI is available to the public in the Information Repository at the Tenley-Friendship Library and on our project website here: <http://www.nab.usace.army.mil/Home/Spring-Valley/Groundwater/>



The Army Corps began the internal review of the draft Groundwater Feasibility Study (FS).

The purpose of the FS is to develop, screen, and provide a detailed analysis of remedial alternatives to mitigate potential risks identified in the Final Groundwater RI.



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SITE-WIDE DECISION DOCUMENT

USACE Updates



SITE-WIDE PROPOSED PLAN

The extended public comment period ended on September 28th. The team received two additional comments.



Written responses to all submitted public comments will be included in the Site-Wide Decision Document.

As a reminder, the Site-Wide Proposed Plan is available to the public in the Information Repository at the Tenley-Friendship Library and on our project website here:

<http://www.nab.usace.army.mil/Home/Spring-Valley/Proposed-Plan/>



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SITE-WIDE DECISION DOCUMENT

The Army's Environmental & Munitions Center of Expertise (EMCX) and the US Army Technical Center for Explosive Safety (USATCES) completed their review of the draft-final Site-Wide Decision Document.



The Decision Document was sent to the regulatory Partners, the Environmental Protection Agency, the Department of Energy & Environment, and our independent technical consultant Dr. Peter DeFur, for review and concurrence.

The Site-Wide Decision Document is scheduled to be submitted to the Army Corps' Headquarters for final signature in December 2016.



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SITE-WIDE TENTATIVE SCHEDULE

| | |
|-------------------------|---|
| Late Fall 2016 | Prepare and sign the Decision Document . |
| Winter 2016/2017 | Contract acquisition work. Begin Remedial Design . |
| ~2017-2020 | Conduct Remedial Action . |



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4825 GLENBROOK ROAD

USACE Updates



4825 GLENBROOK ROAD



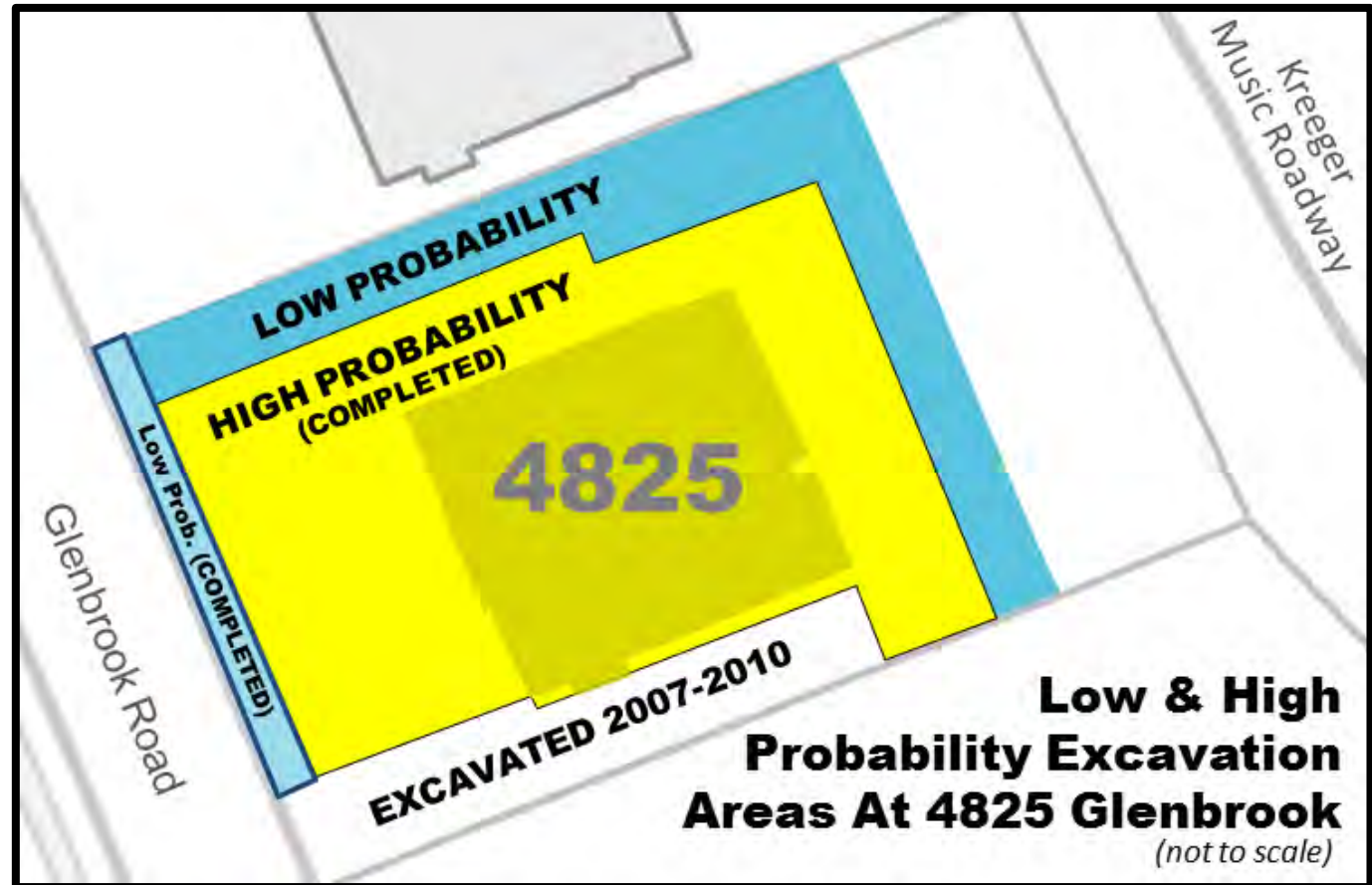
The crews completed site preparations and on September 20th, and began low probability excavation efforts in the southeast corner of the property.

Trimming the I-beams prior to starting low probability excavation in the backyard.



LOW PROBABILITY

Low probability operations include remedial action in previously identified areas of potential concern for soil contamination.



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4825 GLENBROOK ROAD



Crews follow strict safety protocols while excavating on site. Extensive air monitoring continues to be conducted as we perform our low probability operations.

Excavating soil with air monitors in place.



LOW PROBABILITY

More than half of the backyard retaining wall has been demolished. By the end of October, excavation efforts in the southeast corner and center of the backyard were confirmed complete by the Army Corps' geologist. He inspected the site as the crew made progress, and officially confirmed that the team had reached saprolite in these sections of the backyard.



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LOW PROBABILITY



A few small pieces of AUES-related glass debris were recovered near the back retaining wall, as the crew carefully excavated soil and sifted for debris. All recovered pieces of glass have undergone analysis and were cleared for chemical agent.



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LOW PROBABILITY



Excavation efforts have now moved from the backyard to the side yard area.



LOW PROBABILITY

To prepare for work in the driveway area, crews completed explorations of the sewer line connections that had been under the former driveway.

The sewer line trench was then temporarily backfilled with soil, as we continue planning the best way to reroute the sewer line during the deep excavation to saprolite in this area.



Trench to characterize existing sewer line



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TENTATIVE SCHEDULE

- ✓ December 2012 through May 2013
Site Preparation/ Initial Low Probability Work
- ✓ May 2013 through September 2013
ECS Set Up, High Probability training, & Pre-Operational Exercises
- ✓ September 2013 through June 2016
High Probability Excavation (Shelter-in-Place program ended May 27)
- ✓ Summer 2016
Tent Demobilization & Site Preparation for Final Low Probability Excavation



→ September 2016 through Spring 2017
Final Low Probability Excavation

Spring 2017 through Summer 2017
Site Restoration

Holiday Schedule / No field work

Thanksgiving: Nov 21 – Nov 25,
returning to work on Nov 28

Xmas/New Year: Dec 19 – Jan 3,
returning to work on Jan 4

GEOPHYSICAL PILOT PROJECT

USACE Updates



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FIELD WORK

The EM-61 was used to survey areas that were inaccessible during the Remedial Investigation.

The EM-61 data is being used to verify the results of the newer Advanced Classification instruments.



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FIELD WORK

The team completed the intrusive anomaly removal at two out of the three participating properties.

In order to accommodate scheduling requests from the third property owner, we began anomaly removal and restoration at the third property this week.



FIELD WORK



All anomalies detected by the advanced instruments are being excavated to verify their correct classification during the survey phase.

To date, only 1 American University Experiment Station (AUES)-related item has been found during the Pilot Project.



RESTORATION

Temporary patching
of driveway holes
until complete
restoration



Re-sodding of
disturbed lawn



Replanting of
transplanted
plants

PILOT PROJECT TENTATIVE SCHEDULE

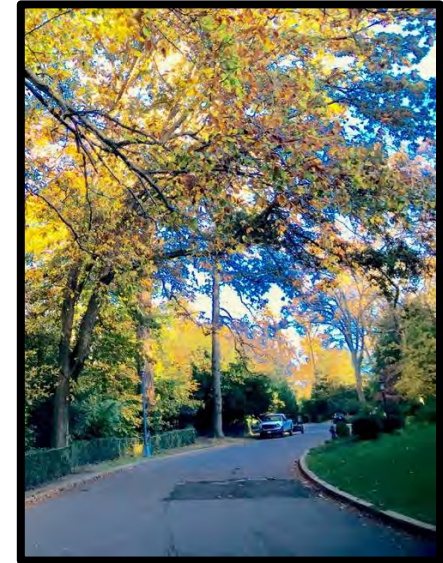
| | |
|-----------------------|---|
| November 2016 | Field Work: Complete Anomaly Excavation; Landscape Restoration. |
| Late-Fall 2016 | Data Evaluation. |
| December 2016 | Pilot Test Report. |



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SPRING VALLEY FUDS RESTORATION ADVISORY BOARD

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Community Items



SPRING VALLEY FUDS RESTORATION ADVISORY BOARD

Reminders:

- The next RAB meeting will be
Tuesday, **January 10th**



Upcoming Agenda Items: Suggestions?



SPRING VALLEY FUDS RESTORATION ADVISORY BOARD

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Public Comments

Wrap-Up



**U.S. Army Corps of
Engineers
Spring Valley Restoration Advisory Board
St. David's Episcopal Church
Minutes of the November 2016 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 |
| Steve Hirsh | Agency Representative – US Environmental Protection Agency, Region III |
| Dr. Peter deFur (represented by Laura Williams) | Environmental Stewardship Concepts/RAB TAPP Consultant |
| Lawrence Miller | Community Member |
| John Wheeler | Community Member |
| George Vassiliou | Community Member |
| Paul Dueffert | Community Member |
| James Sweeney | Agency Representative – Department of Energy & Environment |
| Malcolm Pritzker | Community Member |
| Mary Bresnahan | Community Member |
| RESTORATION ADVISORY BOARD MEMBERS NOT PRESENT AT THIS MEETING | |
| Tom Smith | Community Member |
| Kathleen Connell | Community Member |
| Ralph Cantral | Community Member |
| William Krebs | Community Member |
| Alma Gates | At Large Representative – Horace Mann Elementary School |
| Lee Monsein | Community Member |
| Mary Douglas | Community Member |
| ATTENDING PROJECT PERSONNEL | |
| Alex Zahl | USACE, Spring Valley Technical Manager |
| Brenda Barber | USACE, Spring Valley Project Manager |
| Rebecca Yahiel | Spring Valley Community Outreach Program |
| Carrie Johnston | Spring Valley Community Outreach Program |

| | |
|--|-----------|
| Holly Hostetler | ERT, Inc. |
| HANDOUTS FROM THE MEETING | |
| I. Final Agenda for the November 15, 2016 RAB Meeting II. Army Corps of Engineers Presentation III. Hard Copy of Replacement Slide 28 for USACE Presentation IV. September 2016 <i>Corps'pondent</i> V. October 2016 Monthly Project Summary | |

AGENDA

Starting Time: The July 2016 Restoration Advisory Board (RAB) meeting began at 7:05 PM.

I. Administrative Items

A. Co-Chair Updates

Dan Noble, Spring Valley Project Manager and Military Co-Chair, welcomed everyone and opened the meeting. He reviewed the agenda including the Annual Project Funding Update, Groundwater Study, Site-Wide Decision Document, 4825 Glenbrook Road, and the Pilot Project.

1. Introductions

Officer McElwee of the District of Columbia Metropolitan Police Department (MPD) 2nd District briefly attended the meeting. He wished everyone a Happy Thanksgiving and Merry Christmas. No questions were asked regarding the 2nd District's role in current Spring Valley operations.

2. General Announcements

D. Noble reviewed website updates which included the September and October monthly project updates, the weekly 4825 Glenbrook Road updates and photos, September RAB meeting minutes, August Partner Meeting Minutes, July Site-Wide Proposed Plan (PP) meeting transcript.

B. Task Group Updates

No task group updates were presented.

II. USACE Program Updates

A. Annual Project Funding Summary

D. Noble provided a brief summary of project funding for Fiscal Year (FY) 2016 and a projected summary for FY 2017.

1. Fiscal Year (FY) 2016 Actual Funding (\$7.497 M)

- Military Munitions Response Program (\$6.955 M)
 - Site-Wide Remedial Investigation (RI)/ Feasibility Study (FS) Report
 - Conduct Remedial Action at 4825 Glenbrook Road (\$4.758 M)
 - Pilot Project
 - Stakeholder Outreach
 - Site Security
- Hazardous Toxic Waste (\$0.430 M)

- Site-wide RI/FS Report
- Groundwater Investigation
- Arsenic Soil Removal
- Landscape Reimbursement
- Potentially Responsible Party (\$0.084 M)
 - Conduct PRP Investigation
- Technical Assistance for Public Participation (TAPP) (\$0.03 M)
 - RAB Technical Consultant

2. FY 2017 Projected Funding (\$10.618 M)

- Military Munitions Response Program (\$9.811 M)
 - Site-Wide Remedial Action (\$8.921 M)
 - Conduct Remedial Action at 4825 Glenbrook Road
 - Pilot Project
 - Stakeholder Outreach
 - Site Security
- Hazardous Toxic Waste (\$0.690 M)
 - Site-Wide Remedial Action
 - Groundwater RI/FS
- Potentially Responsible Party (\$0.036 M)
 - Conduct PRP Investigation
- Technical Assistance for Public Participation (TAPP) (\$0.03 M)
 - RAB Technical Consultant

D. Noble also provided all of the project funding totals per FY to date, up through the end of FY16. The total amount spent through FY16 is \$274.340 M.

Question from Allen Hengst, Audience Member - Can we get a brief update on the Potentially Responsible Party (PRP) investigation? I understand you figured out who built the Public Safety Building and who is responsible for building the Public Safety Building?

Brenda Barber, USACE Spring Valley Project Manager, explained that the PRP investigation is still ongoing and a draft is due probably in the beginning of next year. USACE may not discuss an ongoing investigation.

Question from A. Hengst, Audience Member - So it sounds like you are finishing up?

B. Barber explained that USACE is finishing up the investigative portion and moving into the report writing phase and may only share summaries.

D. Noble added that USACE cannot share very much detail.

Question from A. Hengst, Audience Member - Even once the report is produced?

B. Barber explained that no, the report will be handed over to the Department of Justice (DOJ) if USACE decides to pursue the matter.

Question from A. Hengst, Audience Member - Without learning the details, will you let us know if it gets handed over to DOJ or not?

D. Noble confirmed that the RAB could be notified if the report is given to the DOJ, but would not be able to give details of what is in the report.

Question from Amie Carabetta, Audience Member - Where was the arsenic soil removal done on Fordham Road? Can you share the exact address?

D. Noble explained that USACE can share the address because the homeowner gave permission to reveal the address in order to make it known that the property has been remediated for arsenic. That property is located at 3720 Fordham Road. D. Noble added that the property was one of the last of approximately 170 properties that were sampled and needed arsenic removal.

Question from A. Carabetta, Audience Member - Is that the last one as far as arsenic?

D. Noble confirmed this.

B. Groundwater Study

The Final Groundwater Remedial Investigation (RI) report was finalized at the end of September. The Groundwater RI is available to the public in the Information Repository at the Tenley-Friendship Library and on our project website here:

<http://www.nab.usace.army.mil/Home/SpringValley/Groundwater/>

USACE began the internal review of the draft Groundwater Feasibility Study (FS). USACE plans to make the draft Groundwater FS available to the regulators by the end of this calendar year or early next year. Todd Beckwith, USACE Baltimore Program Manager, will brief the RAB in January or March on the Groundwater FS.

C. Site-Wide Decision Document

The Site-Wide Proposed Plan (PP) document required a public comment period which was open from early June to late July. USACE received a request for an extension as the comment period was closing. The public comment period was extended from August 28 through September 28. An additional 2 comments were received during the extension. With the end of the public comment period and comment period extension, the Site-Wide PP is considered final. All comments received will be incorporated into a responsiveness summary included in the Site-Wide Decision Document (DD). The Site-Wide PP is available on the project website and at the Information Repository at the Tenley-Friendship Library.

The USACE Environmental and Munitions Center of Expertise (EMCX) and the US Army Technical Center for Explosive Safety (USATCES) completed their review of the draft-final Site-Wide DD.

The draft Site-Wide DD was forwarded to US Environmental Protection Agency (USEPA), District department of Energy and Environment (DOEE), and Dr. Peter deFur, Environmental Stewardship Concepts/RAB TAPP Consultant for review and concurrence.

Once the regulatory agencies submit their concurrences, the Site-Wide DD is scheduled to be submitted to USACE headquarters for signature by the end of December 2016. Once signed, the Site-Wide DD authorizes USACE to begin to spend FY2017 funds for Remedial Action activities.

1. Site-Wide Tentative Schedule

- *Late Fall 2016* – Prepare and sign the Site-wide DD, possibly early winter. Contract acquisition work set to begin concurrently with the finalization of Site-Wide DD.
- *Winter 2016/2017* – Once the contractor is hired, begin Remedial Design work.
- *~2017-2020* – Before the end of calendar year 2017, begin to conduct Remedial Action. The

Remedial Action is expected to take approximately three years.

D. 4825 Glenbrook Road

The crews finalized all site preparations necessary to resume low probability excavation activities, which resumed on September 20 in the southeast corner of the property.

Low probability operations are conducted in open air. Crews follow strict safety protocols while excavating at the site. While the engineering controls associated with high probability are gone, USACE continued to provide air monitoring at the perimeter of the site as well as at the excavation. Potential soil contamination is expected, but encountering American University Experiment Station (AUES) debris is not likely.

Low probability behind the retaining wall has been significantly completed. In order to ensure that the excavation was properly protected, the area was completed in sections. Each section was inspected by a USACE geologist to ensure the excavation had reached competent saprolite and then USACE performed partial backfills.

Small pieces of glass were encountered behind the retaining wall. Protocols were followed and all recovered pieces of glass were inspected and cleared for chemical agent.

Excavation efforts moved from the backyard to the property line area between 4825 Glenbrook Road and 4835 Glenbrook Road.

To prepare for work in the driveway area, crews completed explorations of the sewer line connections that had been under the former driveway. USACE addressed the need to ensure that the utilities in that area would be properly rerouted without impacting the resident at 4835 Glenbrook Road. The sewer line trench, that was dug to explore the utility, was temporarily backfilled until USACE engineers develop a solution to reroute the utility.

1. Tentative Schedule

- *September 2016 through spring 2017* - Low probability expected to be completed in the spring of 2017.
- *Holiday Schedule/no field work* - Thanksgiving: November 21 - November 25, returning to work on November 28. Christmas/New Year: December 19 - January 3, returning to work on January 4. Security will be provided around the clock during that time.
- *Spring 2017 through summer 2017* - Site restoration.

Comment from Paul Dueffert, Community Member - I want to pass along a compliment. I was walking by about a week ago on my way to work, and I talked to one of the neighbors directly across the street, I am not sure which one. She said she had been incredibly impressed with the esthetic maintenance of the site over the last couple years. She expressed a lot of happiness about how things have gone.

2. Update on Question Concerning Site Workers

There was a question from the previous RAB meeting with respect to follow up with the site workers who helped construct both 4825 Glenbrook Road and 4835 Glenbrook Road. Letters with a request to contact USACE were sent to all workers that could be identified. USACE has also issued an invitation for the workers to visit the both properties. USACE was able to speak verbally with one site worker to extend that same offer. USACE is in conversation with the site worker and continues to gather information.

Question from George Vassiliou, Community Member - The site restoration occurring from spring 2017 to summer 2017, what does that entail?

B. Barber explained that USACE will re-contour the site and will work closely with American University (AU) on the transition back to AU ownership. USACE has established a grading plan for the site and at this time plans to seed the property. When the seeding is complete the property will be returned to AU.

Question from A. Hengst, Audience Member - Just to review, for the purpose of the possible site worker visit, that would be for 4835 Glenbrook Road, correct?

B. Barber explained that site visit would be for both properties, 4825 Glenbrook Road and 4835 Glenbrook Road. USACE will coordinate with AU to visit 4835 Glenbrook Road. The goal is to address any health issues the site workers may have, ensure the site workers received the Agency for Toxic Substance and Disease Registry (ATSDR) Health Consultation Report, and facilitate a collaborative discussion with the site workers about their recollection of how both properties were developed.

E. Pilot Project

The Pilot Project was designed to test two new geophysical scanning instruments for locating buried Munitions and Explosives of Concern (MEC) items. USACE conducted surveys on three selected properties using the two instruments, the Time-domain Electromagnetic Multi-sensor Towed Array Detection System (TEMTADS) and Man Portable Vector (MPV). USACE elected to bring in the EM-61 instrument, which was used in previous investigations. The EM-61 was used to double check some of the readings from the TEMTADS and MPV, as well as finish scanning some areas on the properties that were not surveyed in the previous investigation.

The geophysical surveys have been completed and field work has commenced.

1. Field Work

USACE completed the intrusive anomaly removal at two out of the three participating properties. All anomalies detected by the instruments were excavated to verify the item's correct classification during the survey phase. In order to accommodate scheduling requests from the third property owner, USACE began anomaly removal and restoration at the third property this week. USACE performed about 250 spot removals of items at each of the 3 properties. The majority of the items were innocuous non-MEC items, such as nails, wire, bottle caps, wire baskets, and other non-MEC related items. One 3-inch Stokes mortar was removed from the site.

Most of the restoration at the first two properties has been completed, including transplanting plants, sod replacement and spot patching. The excavations under the sidewalks will be completed this week, and most restoration activities are planned to be completed by the end of November. Meanwhile, the team of geophysicists will compare all of the data from the three instruments.

2. Tentative Schedule

- *November 2016* - Complete anomaly excavation; landscape restoration. The sidewalks will be completed this week, and most restoration activities are planned to be completed by the end of November.
- *Late Fall 2016* - Data evaluation. The team of geophysicists will compare all of the data from the 3 instruments.
- *December 2016* - The Pilot Project Report will be available near the end of December.

Question from A. Hengst, Audience Member - Where did you find the mortar, can you provide more detail?

A. Zahl explained that the mortar was found in a front yard.

Comment from A. Hengst, Audience Member - So it was shallow; just a few inches under the ground.

A. Zahl confirmed that the mortar was a fairly shallow find. He did not know the exact depth, but estimated the depth was less than 6 inches.

Question from Greg Beumel, Community Co-Chair - And your instrumentation decided it was of interest or it was a rock?

A. Zahl explained that the instrumentation decided it was a Stokes mortar.

Comment from G. Beumel, Community Co-Chair - Very good. That is what people wanted to hear; that it worked as opposed to the instrument identifying the item as a rock and excavating the item anyway.

A. Zahl explained that both instruments had a 96% assurance that the item was a 3-inch Stokes mortar.

Question from Mary Bresnahan, Community Member - So is everyone happy with the new equipment?

A. Zahl explained that this find is just one example. While USACE is very pleased with this instance, more data will need to be analyzed before a conclusion may be made.

Question from Ernest Barrett, Audience Member - If you do not find any more mortars, how will you be convinced that the instruments are truly working properly?

A. Zahl explained that the instruments use an extensive classification library to compare the electromagnetic signature of each of the munition items of the U.S. Army, specifically those used by AUES. The Advance Classification system can identify munitions buried at different angles. For the Pilot Project, several blind seeds made up of known intact munition items were buried at each of the test properties. The instruments uncovered all the innocuous items, the blind seeds and found the one munition item that was previously undetected.

Question from Lawrence Miller, Community Member - If these three tools work well, will that cut down on the 3 year schedule?

D. Noble explained that much of the three year schedule was based on administrative challenges with remediation of private properties. The AC will certainly help with reducing damage and therefore repair to each of the properties. The less that USACE has to repair will mean the quicker USACE can move on to the next property.

Question from A. Carabetta, Audience Member - When the Pilot Project report is published in January; will the report show the properties and potential schedule for the next 3 years?

D. Noble explained that no, the Pilot Project is meant to inform USACE for planning the larger effort; identifying which tools can be expected to work for the project. Since the instruments are very new, the Pilot Project is proof which instruments will be best to use to plan the larger action.

Question from E. Barrett, Audience Member - Will you be able to tell us either now or in a future meeting what the reaction of the three Pilot Project property owners were concerning the

remediation effort? Whether or not they were satisfied with the contractor dealing with the transplanting of plants?

D. Noble confirmed this and went on to say that there was a lot of consternation about the amount of landscaping rearrangement that was required. Part of the owner participation in the Pilot Project included an understanding that the excavation would be more extensive because every anomaly had to be excavated. The 100% excavation was meant to prove that the instruments were working properly. For the larger project, USACE will not have to excavate if the AC instruments indicate that it is not necessary. USACE worked closely with the homeowners and for the first time implemented transplanting and storing plants at a nursery during the excavation and bringing the plants back after the excavation was complete. A period of time will need to pass in order to ascertain if the plants survived this process. Some plants were too large for transplanting, and in those cases the homeowners will be offered cash reimbursement.

The landscape excavation for the Pilot Project has not been as extensive as the previous arsenic remediation.

Question from E. Barrett, Audience Member - Suppose a particular plant perishes, the transplant does not work out; what would be the remedy?

D. Noble explained that USACE would offer professional replacement of a like specimen or cash value if the homeowner would prefer.

Question from Rob Liberatore, Audience Member - Will you update us on the system of setting of priorities for the sequencing of the properties to be remediated?

D. Noble confirmed this.

Question from M. Bresnahan, Community Member - Will you continue to use the new equipment for the Pilot Project up until the next meeting?

D. Noble explained that all of the survey work is complete, so the use of the new equipment is done. What remains now is the remaining excavations and restoration of the properties.

III. Community Items

No community items were presented.

IV. Future RAB Agenda Development

A. Upcoming Meeting Topics

- Site-Wide PP Prioritization Scheme

B. Next RAB Meeting:

Tuesday, January 10, 2017

V. Public Comments

No public comments were presented.

VI. Adjourn

The meeting was adjourned at 7:47 PM.