

**Spring Valley Partnering Meeting  
December 18, 2018  
Spring Valley Project Federal Property Conference Room**

Name	Organization/Address	
Brenda Barber	USACE – Baltimore	<b>X</b>
Brian Barone	DOEE	<b>X</b>
Todd Beckwith	USACE – Baltimore	
Bethany Bridgham	American University	<b>X</b>
Sean Buckley	Parsons	<b>X</b>
Paul Chrostowski	CPF Associates, American University Consultant	
Chris Gardner	USACE – Corporate Communications Office	<b>X</b>
Alma Gates	RAB Member – Horace Mann Representative	
John Gerhard	Weston Solutions	<b>X</b>
Whitney Gross	ERT – Community Outreach Team	<b>X</b>
Steven Hirsh	EPA –Region III	<b>X</b>
Bryan Hnetinka	Weston Solutions Project Manager	<b>X</b>
Holly Hostetler	ERT	<b>X</b>
Carrie Johnston	ERT – Community Outreach Team	
Carlos Lazo	USACE, Government Affairs Liaison	
Chris Moran	Weston Solutions	<b>X</b>
Dan Noble	USACE – Baltimore	<b>X</b>
Steven Norman	ECBC	
Randall Patrick	Parsons	<b>X</b>
Tom Rosso	ECBC	
Dave Tomlinson	DOEE	
Bruce Whisenant	USACE – Huntsville	<b>X</b>
Rebecca Yahiel	ERT – Community Outreach Team	<b>X</b>
Alex Zahl	USACE – Baltimore	<b>X</b>

## Summary of 18 December 2018 Spring Valley Partnering Meeting

### Consensus Decisions

- None

### 18 December 2018 Action Items

- Parsons confirmed that the Partners will be notified the same day if a MEC item or item that appears to be a MEC item is found on a residential property.
- Weston Solutions confirmed that one of the 3-inch railroad spikes found in Dalecarlia Woods will be added to the Federal Property display table.
- USACE Baltimore agreed to provide a written brief on the status of 4835 Glenbrook Road for a member of the EPA Homeland Security group that EPA Region III asked to consult on the matter.
- USACE Baltimore agreed to set up a call for the regulators to include EPA Region III, DOEE, Cliff Opdyke, USACE Risk Assessor; Dawn Iovan, Toxicologist; EPA Region III, P. Chrostowski; CPF Associates; and U.S. Army Public Health Command (USAPHC) to discuss options and the path forward for 4835 Glenbrook Road.

### Tuesday 18 December 2018

#### A. Site-Wide Remedial Action (RA)

The goal of this segment of the meeting was to review the status of the Site-Wide Remedial Action.

Weston Solutions provided a brief update on the Site-Wide Remedial Action (RA).

#### 1. Planning Documents

- The Final Land Use Control Implementation Plan (LUCIP) was completed and sent to the Partners.
- Draft Community Outreach Package - U.S. Army Corps of Engineers (USACE) Baltimore distributed the Draft Notices to Institutions and Residents to the Partners for review and comment on November 30. Weston Solutions requested an update on the status of the Partners' review.

USACE Baltimore noted that the first mailing is expected to be sent out in March, in time for spring landscaping projects. The Restoration Advisory Board (RAB) requested the opportunity to review the mailing documents. USACE Baltimore expects to distribute the Draft Notice to Residents to the RAB at the next RAB meeting on January 8 and invited the Partners to provide comments before the RAB meeting. The Draft Notice to Residents contains very detailed information including the history of the area, current activities, and the work schedule for the future. The 3Rs (Recognize, Retreat, and Report) Safety Brochure, concerning appropriate safety responses to the discovery of any items is also included to be shared with potential contractors that might work on a neighborhood property. Since none of the institutions other than American University (AU) are likely to be impacted by the current efforts, the Draft Notice to Institutions does not include as much detail, focusing more on the history of the area and the safety brochure to share with employees. Additionally, a narrated PowerPoint presentation will be provided that can be shown as training material for contractors that may work at the institutions. The PowerPoint presentation will also be available on the website.

In response to a request from USACE Baltimore, the Partners had no objection to the submission of the Draft Notice to Residents to the RAB at the January meeting for review.

Environmental Protection Agency (EPA) Region III noted that he would review the mailing documents on December 21.

- Uniform Federal Policy for Quality Assurance Project Plans (UFP-QAPP) for soil remediation at the Public Safety Building (PSB) - Responses to AU comments on the Draft Final UFP-QAPP are under review by AU.

AU noted that she would consult Paul Chrostowski, CPF Associates, American University Consultant for his comments.

## **2. Residential Properties**

### **a. Recent Activities**

- The unexploded ordnance (UXO) excavation team mobilized the week of December 10. The crews performed site-specific orientation and training on December 10.
- Intrusive operations began in 4 grids in the Dalecarlia Woods on December 11.
- Thirty-three properties have undergone survey inventory processes, including HD video, landscape inventory survey, and planimetric survey by a professional land surveyor.
- About fourteen properties have approved landscape plans from USACE that has been reviewed by homeowners. Weston Solutions is working with several other property owners for acceptance on the landscape plans.
- Several properties have begun the Advanced Geophysical Classification (AGC) physical survey process.

### **b. Preliminary Excavation Results**

There are remaining areas in the Dalecarlia Woods to undergo magnetometer scanning and excavation. No munitions and explosives of concern (MEC), munitions debris (MD), or munitions-related items have been found in the grids at Dalecarlia Woods. All items found so far have been non-munitions-related debris, such as rebar, cans, etc. Grid H7 will be completed today, December 18, with ~22 targets to investigate. The excavation team will demobilize tomorrow, December 19, and return to work in January to begin operations on the residential properties. At that time, the plan will be to perform the magnetometer scanning and excavation in the polygons in the four grids at Dalecarlia Woods.

### **c. Next Steps**

- Weston Solutions is preparing a G858 White Paper to present the selected G858 targets/excavation results from Grids H4-H6 West and provide a recommended path forward. Targeting submission in late December/early January for Partner review.
- Upon approval of the G858 White Paper, four Property Summary Reports (with excavation lists) to be submitted in early January for Partner review. Property Summary Reports will incorporate the results/recommendations of the G858 White Paper.
- The first four residential properties tentatively scheduled for intrusive investigations in mid-January.

USACE Baltimore explained that the results of the G858 White Paper are expected to limit the G858 magnetometer scanning and excavation to areas with suspected burial pits, such as the Sedgwick Trench Area and Area of Interest 13. The target is to avoid extraneous excavation by achieving agreement that the G858 data can be used to determine the property summaries and excavation lists.

EPA Region III pointed out that he cannot make a decision on the G858 White Paper until January.

In response to a question from EPA Region III, USACE Baltimore explained that if a MEC item or item that appears to be a MEC item is found on a residential property, the Partners would normally be notified once the item is removed from the site.

In response to a request from EPA Region III, Weston Solutions confirmed that the Partners will be notified the same day if a MEC item or item that appears to be a MEC item is found on a residential property.

In response to a question from EPA Region III, Weston Solutions explained that although there are areas yet to undergo G858 magnetometer scanning and excavation, Weston Solutions has been informed that no blind seeds have been missed in the areas that have been excavated. There are likely blind seeds in the areas left to excavate.

In response to a question from USACE Baltimore, Weston Solutions explained that many 3-inch metal railroad spikes were found in a single grid, H5.

USACE Huntsville pointed out that part of the narrow-gauge railroad track from that area is on the display table at the Federal Property Trailer.

In response to a request from USACE Baltimore, Weston Solutions confirmed that one of the 3-inch railroad spikes will be added to the Federal Property display table.

In response to questions from EPA Region III and USACE Baltimore, Weston Solutions explained that the railroad spikes would not have been selected for excavation if only one or two were detected, but because several spikes were found together, the decision was made to excavate the group. He did not believe that non-munition items could be added to the AGC library but would follow up on the question with the geophysicists.

In response to a question from DOEE, USACE Baltimore and Weston Solutions explained that the team was confident that the railroad spikes were not munitions but excavated the spikes because there were 15 or 16 of the same anomalies and may have been American University Experiment Station (AUES)-related small arms that had been thrown in the area.

In response to a question from USACE Baltimore, Weston Solutions explained that he did not have the data on the depths that the railroad spikes were found but would follow up on the question.

### **3. Public Safety Building (PSB)**

- Completed installation of two new heat pump systems in the attic and basement of Jack Child Hall at AU on October 11 to allow for the gas line abandonment.
- Working to complete gas line shut off, purge, and capping with Washington Gas. The request for shut-off of the gas line was submitted at the end of August/September 2018. There has been no response from the Washington Gas contracting supervisor.
- Once the gas line is abandoned, three large trees around the PSB excavation area will be removed and one tree will undergo root pruning. According to the contractor and AU arborists, the planned excavation work could damage the tree's root systems.
- Mobilization for the PSB work site started on December 12. Currently installing the temporary construction road and entrance at AU's Fletcher Gate.
- Current estimate to begin PSB demolition work is the week of January 7. Edgewood Chemical Biological Center (ECBC) plans to mobilize for the PSB effort on January 6.
- Work at PSB expected take 12 weeks to complete.

USACE Baltimore pointed out that if the gas line has not been shut off by January 3, the mobilization for the PSB will be put on hold. No funds will be available for ECBC to be onsite while the project is on hold.

AU offered to look into adding pressure from AU to encourage Washington Gas to address the gas line.

Weston Solutions set a cutoff date of December 21 with ECBC if the gas line is not abandoned by that date. All notifications concerning the mobilization of the work at the PSB will be made by noon on December 21.

At a suggestion from USACE Baltimore, AU confirmed that she would notify the AU campus scheduling calendar to reflect that the picnic areas surrounding the PSB will not be available for use until the work is complete.

#### **4. Spaulding-Rankin Property/4710 Woodway Lane**

- Mobilized for soil excavations on October 17. Installed plywood roadway to protect driveway and yard. Installed blankets and wood barriers around trees and plants.
- Worked closely with resident and arborist to minimize impact of the excavation operations on the property.
- Due to heavy rain and saturated soil, work was cancelled for multiple days to ensure that plants were not damaged and the yard was not torn up by the equipment.
- Used soil vacuum extraction at three of the six excavation locations to protect tree roots.
- The final excavation was completed and backfilled on November 20.
- Evaluated the soil contamination, removed and the replacement backfill concentrations at the six identified locations. The revised Hazard Index (HI) was 1.9 for the entire property, 0-10-foot interval.
- Conducted a post-excavation site walk with resident and arborist to discuss landscape restoration on November 27.

In response to a question from EPA Region III, Weston Solutions confirmed that the teams have completed all excavation and backfill work at the property and removed the heavy equipment. Erosion controls have been placed at the property. The team will return in the spring to perform a restoration evaluation with the arborist and complete the restoration efforts.

Weston Solutions noted that Whitney Gross, ERT – Community Outreach Team did a great job coordinating with the homeowner and addressing any issues that the homeowner had during the project operations.

#### **B. 4825 Glenbrook Road**

**The goal of this segment of the meeting was to review the status of 4825 Glenbrook Road.**

Parsons provided a brief update on 4825 Glenbrook Road.

##### **1. Recent Activities**

- The majority of October was used for training.
- Parsons began intrusive work in Level B personal protective equipment (PPE) on October 29.
- Operations began with the stockpiled soil left from the exposure incident in August 2017.
- Completed excavation of the stockpile on November 15.

In response to a question from EPA Region III, Parsons and USACE Baltimore explained that no odors were detected at the site. No detections were registered on the MINICAMS or other air monitoring systems.

- After completion of the removal of all clean backfill material on November 27, Parsons began work on the retaining wall running parallel to the 4825/4835 Glenbrook Road property line.
- Continued working on the parallel retaining wall through December 7.
- On December 10, work began on the retaining wall that runs perpendicular to the 4825/4835 property line.

##### **2. Livens Item (Grid 50,-70)**

- On December 11, Team 2 was working to clear the soil in Area B behind the retaining wall that runs perpendicular to the 4825/4835 Glenbrook Road Property boundary.
- At about 10:50 a.m. the team encountered what appeared to be a Livens-like item.
- Team Leader notified the UXO Safety Officer (UXOSO) and USACE Huntsville Center Ordnance and Explosive Safety Specialist (CEHNC OESS) of possible item found.

- Team Leader exposed item to ensure the item was not fused. The item was determined not fused.
- Nothing was detected on any air monitoring instruments.
- Used the two miniature chemical agent monitoring system (MINICAMS) stations (drum filling and excavation area stations) to ensure constant MINICAMS coverage (one is always running while the other is challenged).
- Industrial Monitors run constantly as well.
- The Livens-like item was determined by the U.S. Army Explosive Ordnance Disposal (EOD) response to be a U.S. Chemical 8in MKS I and II Livens Projector, Munitions Debris Item. The item was x-rayed and found to contain no filler. There was a hole in the item, so the item was open to the atmosphere. No energetics were reported in the burster well. The item was transported to Federal Property and headspaced. The headspace analysis on the item tested negative for chemical agent.

In response to a question from EPA Region III, Parsons explained that the item is now at the Federal Property in munitions debris scrap.

Parsons commended the excavation team and excavation operator for excellent work, diligently removing the soil in 6" lifts, scanning the soil for possible items, and removing the found item without damage, leaving no excavator gouge marks.

In response to a question from EPA Region III, Parsons and USACE Baltimore explained that the item was not found in an area identified in the past as a possible location for munitions debris. The find is consistent with other items found in scattered locations. Items that have been found were likely part of backfill moved around on the properties during construction of the homes.

In response to a question from EPA Region III, Parsons and USACE Baltimore explained that a soil sample was not collected from the area where the item was found because all the surrounding soil will be removed down to saprolite. No discolored soil was found surrounding the item. After the soil is removed, disposal characterization samples will be collected. All removed soils will be drummed for incineration.

### **3. Recent Activities Continued**

- December 14: completed removal of the retaining wall that runs perpendicular to the property line.
- To date, no chemical agent or agent breakdown products (ABPs) have been detected in disposal characterization samples.

The remaining portion of the retaining wall to be removed consists of concrete block, not poured concrete. The footer yet to be removed is poured concrete.

USACE Baltimore pointed out to AU that the remaining section of retaining wall to be removed is the section that is shared by the patio on 4835 Glenbrook Road. The removal of that section of retaining wall was included in the restoration costs for both current leases. The properties are amply covered for any damage that may occur to the retaining wall. The team plans to cut the section away to minimize potential damage.

In response to questions from USACE Baltimore and USACE Huntsville, Parsons explained that ~15 to 20 linear feet of retaining wall is left to remove. As the excavation moves up the hill there are fewer hard utility lines to be managed.

### **4. Near Term Schedule**

- Site intrusive work to end for holiday break on December 20. The work may end earlier depending on sample collection and analysis, water drainage management, and concrete removal.
- Secure the site for the holiday break on December 21.
- Open the site up on January 3.
- Resume intrusive work on January 7.

In response to a question from AU, USACE Baltimore confirmed that the site will have 24-hour security during the holiday break.

## **5. Tentative Schedule**

- Winter - Continue the soil removal operation along the 4825/4835 Glenbrook Road property line.
- Spring/Summer - Potential completion of remedial activities at 4825 Glenbrook Road. Start of site restoration for Glenbrook Road sites 4801, 4825, and 4835.

In response to questions from DOEE, Parsons confirmed that the excavation method using the excavator to directly drum the soil through a funnel is working effectively. The soil is screened with a magnetometer before the excavator lifts the soil. The item was found exposed in the face of the soil and work was stopped before the item was removed.

## **C. 4835 Glenbrook Road**

**The goal of this segment of the meeting was to review the status of 4835 Glenbrook Road.**

USACE Baltimore provided a brief update on 4835 Glenbrook Road.

The sample volume and health standard discussions for the two mustard (HD) breakdown products, 1,4-Dithiane and 1,4-Thioxane, are ongoing after the last Partners meeting. ECBC and Beacon Environmental provided USACE Baltimore with theoretical uptake rates for some of the soil gas samples but stated that the Spring Valley team must use the uptake rates and duration of the sampling in the ground to convert the data into an estimated volume. However, there is no existing health standard for the two breakdown products to compare with the estimated volume.

The current approach is to wait until the soil excavation at 4825 Glenbrook Road is complete and then conduct at least one more round of soil gas sampling at 4835 Glenbrook Road. Once the suspected source is removed, the soil gas samples may test clear. USACE Baltimore needs clarification on the plan forward to inform lease negotiations for the Glenbrook Road projects.

In response to a request from EPA Region III, USACE Baltimore agreed to provide a written brief on the status of 4835 Glenbrook Road for a member of the EPA Homeland Security group that EPA Region III asked to consult on the matter.

In response to a question from EPA Region III, USACE Baltimore explained that there was a glued-on black Tyvek barrier with small indentations between the soil and house at 4835 Glenbrook Road. The barrier was removed during the arsenic removal at 4825 Glenbrook Road. There is no barrier, radon system, or other system to move air underneath the house.

USACE Baltimore agreed to set up a call for the regulators to include EPA Region III; DOEE; Cliff Opdyke, USACE Risk Assessor; Dawn Iovan, Toxicologist; EPA Region III, P. Chrostowski; CPF Associates, and U.S. Army Public Health Command (USAPHC) to discuss options and the path forward for 4835 Glenbrook Road.

## **D. Groundwater Feasibility Study (FS)**

**The goal of this segment of the meeting was to review the status of the Groundwater Feasibility Study.**

DOEE provided a brief update on the status of the Groundwater Feasibility Study (FS).

DOEE met with USACE Baltimore District Commander Colonel John T. Litz concerning the dispute resolution process. DOEE and USACE agreed to review the data gap analysis. The hope is that DOEE may be able to provide guidance on what DOEE believes is necessary moving forward, to include re-sampling of some of the wells to provide current data from wells that were problematic in the past. DOEE needs to internally discuss appropriate recommendations to USACE.

The dispute resolution process is on hold until a plan can be formulated between DOEE, USACE, and EPA. If the planning comes to an impasse, DOEE and USACE can re-enter the dispute resolution process again.

## **E. Open Issues and New Data**

### **a. Private Homeowner Property Sampling**

To follow up on the issue of the homeowner that conducted their own arsenic sampling on their property, C. Opdyke, USACE Risk Assessor talked to the homeowner about risk assessment and instructed the homeowner to contact USACE Baltimore if there was anything further the homeowner wanted to do with his sampling data. USACE Baltimore stands by the USACE sampling protocols and data gathered in 2001-2002.

The homeowner reached out to Tom Smith, RAB Community Member. T. Smith suggested contacting EPA or DOEE. USACE Baltimore, EPA Region III, and DOEE have not received contact from the homeowner.

In response to a question from EPA Region III, USACE Baltimore explained that the homeowner has a single arsenic sample from one grid on his property at 39 parts per million (PPM). All the other grids on the property are very low. The homeowner's neighbor on one side had grids that failed screening sampling in the front and back yard. Much of the soil on that property was removed. The neighbor's property on the other side of the homeowner was clear.

### **b. New Horace Mann Representative to the RAB**

A new Horace Mann Representative has been appointed to replace Alma Gates on the RAB. An orientation briefing will be scheduled Feb/March for the new member, who will begin attending the RAB at the March meeting.

### **c. USACE Huntsville Staffing Change**

Allyn Allison, USACE Huntsville will be the Project Manager for Spring Valley and Bruce Whisenant, USACE Huntsville will return to the Task Manager role. A. Allison and B. Whisenant will alternate attending the Partner meetings.

## **F. Future Agenda Items**

1. Groundwater FS
2. 4825 Glenbrook Road/4835 Glenbrook Road
3. Toxicity determination for 4835 Glenbrook Road
4. Site-Wide PP
5. Site-Wide RA

## **G. Agenda Building**

The next meeting was scheduled for Thursday, February 21, 2018.

## **H. Adjourn**

The meeting was adjourned at 11:28.