

**Spring Valley Partnering Meeting
December 20, 2013
Conference Call**

Name	Organization/Address	X
Sherri Anderson-Hudgins	CEHNC	X
Thomas Bachovchin	ERT	X
Brenda Barber	CENAB	X
Todd Beckwith	CENAB	X
Bethany Bridgham	American University	X
Janelle Boncal	Parsons	
Jessica Bruland	ERT	X
Sean Buckley	Parsons	X
Paul Chrostowski	CPF Associates, AU Consultant	
Tom Colozza	CENAB	
Jennifer Conklin	DDOE	
Kathy Davies	US EPA Region 3	
Dr. Peter deFur	Environmental Stewardship Concepts/RAB TAPP Consultant	
Diane Douglas	DDOE	
Bill Eaton	URS	
Brandon Fleming	USGS	
Clem Gaines	CENAB, Public Affairs	X
Alma Gates	RAB Member - Horace Mann Rep.	
Steve Hirsh	US EPA Region 3	X
Leigh Isaac	Environmental Stewardship Concepts	
David King	CENAB	
Carrie Johnston	RCAI - Community Outreach Team	
Dan Noble	CENAB	X

John Owens	CENAB	
Randall Patrick	Parsons	
Lan Reeser	CENAB	X
Amy Rosenstein	Risk Assessor (Independent Consultant)	
Allen Shapiro	USGS	
Don Silkkenbaken	Parsons	
Kent Slowinski	ANC3D Commissioner	X
Jim Sweeney	DDOE	X
Andrea Takash	CENAB, Public Affairs	
Tenkasi Viswanathan	CENAB-WA	
Cheryl Webster	CENAB	
Ethan Weikel	CENAB	
Nan Wells	ANC3D Commissioner	X
Maya Werner	ERT	X
Kelly Williams	CEHNC	
Laura Williams	Environmental Stewardship Concepts	X
Bruce Whisenant	CEHNC	
Rebecca Yahiel	ERT - Community Outreach Team	X
Doug Yeskis	USGS	

Summary of December 20 Spring Valley Partnering Meeting (Conference Call)

Consensus Decisions

- No consensus decisions were made.

December 20, 2013 Action Items

- USACE will finalize the work plan addendum for additional deep well installations.
- USACE will continue coordination with homeowners to minimize damage to landscaping in the public space “island” where MP-5 will be installed.
- Parsons will follow up on the tentative schedule for completing the second tent move (including the limited low-probability excavation required to complete this tent move) and provide the best possible estimate to AU, so that the university’s athletic director can be notified and can identify any necessary changes to the athletic practice schedule for spring 2014.

Friday, December 20, 2013**Check-in**

The Partners conducted an abbreviated check-in procedure due to the conference call meeting format and associated time constraints.

Laura Williams of Environmental Stewardship Concepts represented Dr. Peter deFur, RAB TAPP Consultant, at the meeting.

USACE noted that today's call marks the final meeting of calendar year 2013. The December 2013 Partnering meeting (originally scheduled for Tuesday, December 10 at the Spring Valley Trailer Conference Room) was rescheduled as a conference call due to winter weather conditions and Partner availability.

A. Groundwater Study Efforts

The goal of this segment of the meeting was to provide an update on ongoing and upcoming groundwater study efforts.

USACE provided a brief update on the status of upcoming groundwater study efforts.

Semi-Annual Sampling: Selected existing groundwater monitoring wells and surface water monitoring locations will be sampled twice annually for the next few years, as part of the extended 2013 groundwater monitoring program. These locations include a total of 20 shallow and deep wells and 10 surface water locations.

The first semi-annual sampling event began in late April 2013, and all sampling was completed by mid-May 2013. [Details of the sampling effort were provided at the May 2013 Partnering meeting. Hard copies of the updated groundwater sampling map and the validated analytical data table were provided at the August 2013 Partnering meeting. Sampling results were generally consistent with previous sampling rounds, and these validated analytical results were shared with the RAB at the November 2013 RAB meeting.]

The second semi-annual sampling event began in early December 2013 and was completed by mid-December 2013 (Monday, December 16). This effort was originally scheduled for October/November 2013 but was significantly delayed due to the recent federal government shutdown. Sampling results will be shared with the Partners and with the RAB in early 2014.

The third semi-annual sampling event is tentatively scheduled for June 2014.

Quarterly Sampling: Two existing groundwater monitoring wells and surface water monitoring locations were selected for more frequent quarterly sampling in addition to the semi-annual sampling events, based on historically high perchlorate detections.

PZ-4S/D and the Sibley Sump were both sampled in July 2013. [Details of the sampling effort were provided at the October 2013 Partnering meeting. The updated groundwater sampling map and the validated analytical data table were provided electronically to the Partners. Sampling results were generally consistent with previous sampling rounds, and these validated analytical results were shared with the RAB at the November 2013 RAB meeting.]

Additional Deep Wells: Two additional wells are planned to provide additional vertical delineation of groundwater. MP-5 will be installed between MP-3 and MP-4 (on DC property, in the public space "island" at the intersection of Indian Lane and Rockwood Parkway). MW-46 will be installed close to Sibley Hospital. [Preliminary details of the funding and planning process were provided at the August and October 2013 Partnering meetings. Work plan addendum contents closely resemble those completed for previous deep well installations.]

Preparations for these new well installations are underway. The work plan addendum was recently submitted for Partner review, with comments received from EPA and Dr. Peter deFur. Comment responses will be submitted today (December 20), followed by work plan addendum revisions, concurrence, and finalization. Well installations will tentatively be conducted as early as late January 2014, pending receipt of the public space permit and pending Partner concurrence on the comment responses.

Discussion – Draft Final Work Plan Addendum for Additional Deep Wells

USACE asked whether DDOE's hydrogeologist plans to submit comments on the draft final work plan addendum. DDOE replied that he personally received no response from their hydrogeologist when he inquired about comments.

DDOE noted that, typically, the associated dig permit will not be approved until their hydrogeologist receives the finalized work plan addendum. The additional deep wells do not require a permit, however, based on a policy for CERCLA sites that was recently issued by the department's director. DDOE's hydrogeologist does not agree with this policy, but her lack of comments on the draft final work plan addendum might not impact the path forward, and she will be informed of USACE's permission to proceed. DDOE emphasized that from his viewpoint, the addendum can be finalized and both deep well installations can proceed as planned.

USACE clarified that the permit application for the additional deep wells is a public space permit, not a dig permit. DDOE responded that their hydrogeologist currently has a dig permit application on her desk, which he assumed was associated with the additional deep wells, but she is not responsible for approving the public space permit.

Discussion – Planned Installation Location for MP-5

USACE briefly described a recent homeowner concern regarding the planned installation location for MP-5 (on DC property, in the public space "island" at the intersection of Indian Lane and Rockwood Parkway). In summary, several neighboring residents have personally maintained the landscaping on the public space "island" using their own money, time, and efforts. The homeowners expressed concern about potential disturbance to the landscaping during the well drilling and installation process. USACE has communicated back and forth with these residents and continue to work with them on this topic, with the goal of minimizing damage to the landscaping, and still intends to install MP-5 in the public space "island" as planned.

Nan Wells, ANC3D Commissioner, noted that these homeowner concerns are within either her Advisory Neighborhood Commission (ANC) district or possibly the district assigned to Tom Smith, ANC Commissioner. She requested more information, as she had not heard anything about this issue until now, and requested to speak with USACE separately on this matter.

USACE explained that the homeowners' entire concern focused on the potential for damaging vegetation that they have worked to establish and maintain. In response, USACE shared with the residents that they are prepared and willing to cooperate with them. USACE can select a well drilling location that will minimize disturbance to the grass and other vegetation, and restoration efforts can be completed if any unanticipated damage occurs.

In response to N. Wells' inquiry, USACE clarified that they have not described potential restoration efforts in writing. N. Wells replied that she needs to know who these homeowners are, and that these homeowners are satisfied with promises made by USACE regarding minimizing damage and restoration if needed. USACE elaborated that it sounds as though the homeowners understand the planned well installation effort and they wanted to collaborate with USACE to ensure their landscaping will not be irreparably damaged.

Community Outreach further clarified that the homeowners were happy that USACE contacted them and were willing to communicate with them regarding their concerns. N. Wells acknowledged this and asked

that USACE keep the ANC Commissioners (specifically Tom Smith and herself) informed and “in the loop” on this issue.

Kent Slowinski, ANC3D Commissioner, asked if it is possible to install the deep well in the roadway, just above or just below the landscaped island, to address the homeowners’ concerns. USACE replied that potential options must be considered. Utility clearance will be conducted via air knife, and based on past experience, USACE typically must adjust the planned well location several times before a suitable drilling spot is identified. The island location was specifically chosen for drill rig activities and deep well installation because USACE prefers not to impact local traffic patterns by closing one of two lanes.

In response to K. Slowinski’s inquiry, USACE confirmed that monitoring wells have been installed in the street during previous efforts.

K. Slowinski asked if it would be feasible to park the drill rig on the uphill portion of the island and install the deep well in the adjacent roadway without impacting traffic. USACE responded that one traffic lane would still need to be shut down, and preparation and approval of a formal traffic control plan would be required.

N. Wells asked whether the formal traffic control plan approval could be expedited. She added that it seems as though the project team could make such a request. USACE explained that this question cannot be answered satisfactorily, as USACE already pursues approvals as quickly as possible when submitting plans and coordinating with DC.

N. Wells mentioned that the ANC Commissioners could perhaps provide assistance with expediting the approval process. USACE acknowledged this offer and emphasized that although this alternate drilling location (in the street) and associated traffic control logistics have been suggested, USACE still feels that MP-5 can be installed in the public space “island” while still minimizing impacts to vegetation.

N. Wells inquired about the planned well location and installation time frame. USACE confirmed that they currently plan to install the MP-5 on the landscaped “island” instead of pursuing an alternative location in the island’s vicinity. USACE explained that the deep well installations are tentatively scheduled to begin as early as the end of January 2014. A formal start date has not been selected.

In response to N. Wells’ inquiries, DDOE clarified that no one opposes the current work plan addendum. At this time, the Partners and groundwater experts are simply reviewing the draft final document and waiting for the finalized version. DDOE’s hydrogeologist currently has access to all of the pertinent details but prefers to read the finalized document, which she will receive as early as next week. DDOE requested that the finalized document be mailed out prior to the winter holidays, even though he (and perhaps his agency’s hydrogeologist) will not be in the office at that time, and USACE agreed.

USACE reiterated that they will finalize the work plan addendum and they will continue to coordinate with homeowners to ensure all concerns have been addressed.

Next Steps

USACE will finalize the work plan addendum for additional deep well installations.

USACE will continue coordination with homeowners to minimize damage to landscaping in the public space “island” where MP-5 will be installed.

B. Site-Wide RI/FS Update (Addendum to the Final Pre-2005 HHRA Review Document; HHRA Work Plan)

USACE-Baltimore and ERT provided a brief update on the current status of the Addendum to the Final Pre-2005 HHRA Review Document and the subsequent Draft Final HHRA Work Plan.

Previous Documents: [This information was not presented during the follow-on meeting, and is summarized for reference purposes.]

- **Review of pre-2005 human health risk assessments (HHRAs)** is one of the key issues identified in the site-wide evaluation document, *Evaluation of Remaining Sampling Requirements*, which was finalized in July 2012. Details of the finalized site-wide evaluation document were described at previous Partnering meetings.
- The **Pre-2005 HHRA Review Document** was finalized in August 2013 and addresses the key issue mentioned above. Details of the document structure, contents, and associated maps were described at the August 2013 Partnering meeting, the July 2013 On Board Document Review meeting, and previous Partnering meetings. Using an elaborate step-by-step screening assessment process, the purpose of this document was to re-evaluate sampling results (from a total of 5 previously-completed HHRAs and subsequent AUES parameter sampling, more recent miscellaneous grab samples associated with anomaly investigations, and recent supplemental soil sampling) to determine whether the associated conclusions remain protective of human health, based on updated screening criteria. The report also identifies areas new Exposure Units (EUs) that may require additional risk screening (e.g., actions such as supplemental soil sampling) and possible risk assessment. Depending on the results of follow-on risk screening and evaluation, one or more EUs may require full separate HHRAs, which will be included in the site-wide Remedial Investigation (RI) report.
- **Final Addendum to the Pre-2005 HHRA Review Document:** This addendum was recently finalized and hard copies were mailed yesterday to the Partners, with receipt anticipated today (December 20). Details of the document structure, contents, and associated maps were described at the October 2013 and previous Partnering meetings. The purpose of this addendum is to ensure compatibility between EU size and the exposure scenario being evaluated. In summary, a follow-on screen process was conducted to address outlier locations (in order to ensure that the identified EUs do not dilute higher concentrations over a larger area) and to determine which EUs truly require further evaluation and formal risk assessment. Follow-on screening was conducted for a total of 13 EUs. Most EUs were not recommended for further action because the follow-on screen demonstrated that these areas will not pose future human health risks. A total of three formal HHRAs are recommended for the following EUs: AOI 9, Spaulding-Rankin, and Southern AU.

Draft Final HHRA Work Plan: Preparation of the HHRA Work Plan is underway. The Draft Final was submitted electronically to the Partners yesterday (December 19), to be followed by hard copies next week (just prior to the winter holidays). Partner comments are requested by January 13, 2014 and EPA recently noted that they may require an additional week to complete their review. This document describes in detail the process for completing formal HHRAs for each EU (AOI 9, Spaulding-Rankin, and Southern AU).

The work plan primarily contains standard USEPA risk assessment activities and procedures, similar to those described in various work plans for previously-completed efforts. These procedures include the “nuts and bolts” of performing a quantitative HHRA for each of the identified EUs.

The work plan also elaborates on the connection and context in which various risk elements (including the formal HHRAs for each EU) will be discussed within the overall Site-Wide RI report. Each risk element will be incorporated into the risk assessment portion (Section 7) of the Site-Wide RI report; depending on the type of risk information, this may take the form of discussion, summarization, excerpts, and/or appendices. These risk elements are listed briefly in the work plan (along with the formal HHRAs for each EU), and include:

- **Ecological RA** – This previously completed document contains the ecological risk characterization for the Spring Valley Formerly Used Defense Site (FUDS).

- **Munitions and Explosives of Concern Hazard Assessment (MEC HA)** – This recently document contains the completed MEC characterization and scoring, which will be summarized and discussed within the RI. The full MEC HA will also be presented as an appendix to the Site-Wide RI report.
- **Groundwater RA** – This document will evaluate site-wide groundwater risks, which are a subset of the ongoing Site-Wide Groundwater RI report that USACE is overseeing, and will be summarized and excerpted within the RI.
- **External Health-related Reports** – These reports have been completed or are in preparation by other agencies (for example, Johns Hopkins University and ATSDR). The contents will be discussed within the RI, as appropriate, to paint a complete picture of risk within the Sprung Valley FUDS.
- **Arsenic-contaminated soil that potentially remains underneath DC streets** in the Spring Valley FUDS will be discussed as appropriate.
- **The historical derivation and protectiveness of the 20 ppm arsenic cleanup level** established for the Spring Valley FUDS will be discussed.

Pending receipt of Partner concurrence on the work plan, the formal HHRAs will be prepared in early 2014. Each HHRA will be incorporated into the risk assessment section of the Site-Wide RI report, along with the remaining risk elements listed above.

Path Forward: Preparation of the formal HHRAs for each EU (AOI 9, Spaulding-Rankin, and Southern AU) will be followed by finalization and incorporation into the Site-Wide RI report (Section 7: Risk Assessment).

Site-Wide RI Report: The detailed table of contents (TOC) for the Site-Wide RI report is currently being developed and will be shared with the Partners as early as January 2014.

Discussion – Path Forward

USACE mentioned that the purpose of this update was to share with the Partners what they should expect to see with respect to the Site-Wide HHRA within the Site-Wide RI report. The risk assessment section of the Site-Wide RI report will include the three formal HHRAs (completed for site-specific EUs, as mentioned above) along with the remaining risk elements (Eco RA and MEC HA).

EPA mentioned that they will need the extra week (as mentioned above) for reviewing the Draft Final HHRA Work Plan, extending through January 21, 2014 (because January 20 is a federal holiday).

No additional questions or comments were voiced.

C. 4825 Glenbrook Road Remedial Action Update

The goal of this segment of the meeting was to discuss the decision-making process and the ongoing remedial action for the 4825 Glenbrook Road site.

USACE-Baltimore and Parsons provided an update on the high-probability remedial activities in progress at the 4825 Glenbrook Road site. Site progress photographs and maps were briefly reviewed.

Overview of Completed Efforts to Date:

- Details of previously-completed efforts, including house demolition and low-probability site preparations, were presented at the December 2012 and January 2013 Partnering meetings.
- Details of initial low-probability efforts, during which no AUES-related items were found, were provided at the March/April 2013 Partnering meetings.

- Details of high-probability site preparations were provided at the March/April/May/June/August 2013 Partnering meetings. Details of recent AUES-related debris findings during these site preparations were presented at the May 2013 Partnering meeting.
- Details of final high-probability site preparations (personnel training, tabletop activities, and pre-operational surveys) were provided at the October 2013 Partnering meeting.
- High-probability excavation began in Area F once all of these preparations were completed, and is currently underway.
- Yesterday (December 19) marked the last day of intrusive work during calendar year 2013. All site personnel have temporarily demobilized from the site for the winter holidays, and will resume high-probability excavation in early January 2014.

High-Probability Excavation (Area F): [Detailed soil volumes and percentages reflect updated information shared during the meeting, rather than the slightly outdated numbers in the PowerPoint presentation.]

Removal of high-probability soil continued in Area F, in the front yard of the site, and is currently progressing southward toward the neighboring 4801 Glenbrook Road property. Completed excavation depths to date range from 2 to 6 feet below ground surface (bgs). Upcoming excavation will continue to reflect a depth of 6 feet to prevent unintentional creation of sloping or benching hazards within the ECS footprint. Remaining hardscape such as the front foundation wall will also be removed as excavation progresses.

To date, a total of 240 cubic yards of soil were removed. This volume represents compressed soil below the ground surface, but upon accounting for the above ground air fluff, the total volume placed in the roll-offs was greater than 240 cubic yards of soil. Composite soil samples are collected as the roll-offs are filled.

This volume of removed soil comprises approximately 56.4 percent of the total soil volume projected for Area F. When placed in the overall context, however, this percentage does not reflect the actual completion rate for the entire Area F. Slower progress is anticipated once the excavation extent reaches the former chimney area and the adjacent debris field (where AUES-related glassware and lewisite-contaminated soil were encountered during the previous high-probability site investigation) and during installation of lagging near the property boundary with 4801 Glenbrook Road.

Hardscape removal completed to date includes the corner of the former basement foundation and the front yard retaining walls (one along the driveway and another leading to the front porch steps).

Findings to Date (Area F): AUES-related debris findings in Area F to date were mostly limited to glassware fragments. Almost 100 pounds of glassware have been recovered, and about 44 pounds of this glassware have been cleared for headspace.

Additionally, about 3.25 pounds of metallic debris have been cleared for headspace.

A total of two (2) 75 mm projectiles with hex-plugs were found in the soil excavated from underneath the former front porch steps (within Grid -10, -30). These items, along with the single empty 75 mm projectile previously found during high-probability site preparations, were classified (and will be disposed of) as scrap.

- The first item was recovered at a depth of 4 feet below ground surface (bgs), in the vicinity of numerous glassware fragments. This item was assessed inside the ECS by CARA Explosive Ordnance Disposal (EOD) via X-ray and found to be empty, with no liquid or energetic fill.
- The second item was recovered at a depth of 6 feet bgs and closely resembles other 75 mm scrap items previously found at the site. This item was packaged and assessed at the Federal Property by CARA EOD via X-ray, and found to contain less than 1 percent of unknown liquid fill. A

higher-definition X-ray and Portable Isotopic Neutron Spectroscopy (PINS) were used to determine the liquid's characteristics and to confirm the absence of chemical warfare materiel (CWM) residue. The Materiel Assessment Review Board (MARB) provided verbal confirmation that this item does not contain energetics or CWM. When site activities resume after the winter holidays, this item will be unpackaged, headspaced, and prepared for disposal as scrap.

- [CARA refers to the chemical, biological, radiological, nuclear and high-yield explosives (CBRNE) Analytical and Remediation Activity, which is a subordinate unit of the U.S. Army's 20th Support Command.]

Greenish and whitish discolored soil was encountered in the same area (Grid -10, -30) as the two 75 mm projectile scrap items described above. A grab sample was collected and cleared for headspace and low-level agent. The sample was sent to Analytical Laboratory Services, Inc. (ALS) for full AUES parameter list analysis.

In summary, there are a total of three (3) 75 mm scrap items planned for future disposal. No agent or ABP was detected in soil, pending receipt of analytical results for the greenish discolored soil. No air monitoring detections for chemicals of concern (e.g., chemical agents or industrial compounds) were observed. A total of 30 roll-offs of soil and 7 roll-offs of rubble have been removed, of which about 25 have been cleared, and all disposal characterization results from the roll-offs have been deemed non-hazardous.

Tentative Remedial Action Schedule: [This information was not presented at this meeting, and is included here for reference purposes.] Three phases of remedial action are planned: demolition (completed), initial low-probability efforts including the remaining low-probability test pits in the back yard including the utility trench (completed), and all planned high-probability and low-probability soil removal areas. Site preparations for high-probability efforts were completed in September 2013. High-probability soil removal began in early fall (September 23) 2013, with completion anticipated approximately one year later in early fall (September) 2014. The remaining low-probability soil removal actions (the remainder of excavation area A, along with excavation area B) will be conducted as early as fall/winter 2014, followed by site restoration. The remediated property will be returned to AU, the property owner, as early as December 2014.

Holiday Schedule (Non-Working Days): The planned schedule for upcoming non-work days at the site include the following federal holidays and associated holiday breaks: December 20 through January 6 (Winter Holidays) and January 20 (Martin Luther King, Jr. Day). High-probability soil removal during calendar year 2013 concluded and personnel demobilized from the site yesterday (December 19), and intrusive activities will likely resume on January 7, 2014.

Weekly Schedule (Working Days): When high-probability excavation resumes in early January 2014, site personnel will resume working five ten-hour days each week because this is helpful for the site teams. [Recent efforts shifted from the original five ten-hour days schedule to a modified four ten-hour day schedule.]

Upcoming Tent Locations: Based on high-probability excavation progress to date, completion of the first (current) tent location is anticipated in mid to late February 2014. This may change depending on potential delays and slower soil removal rates associated with the debris field in Area F. The first (current) tent location will be demobilized, followed by moving and mobilizing the tent in the second location, concurrently with completion of a small area of low-probability soil removal in the backyard.

Discussion – High-Probability Excavation Progress Photographs and Maps

USACE clarified that, to date, almost 100 pounds of glassware have been recovered, but only about 44 pounds of this glassware have been cleared for headspace. [This information was incorporated into the presentation summary above for clarification purposes.]

Parsons mentioned that EOD maintains an X-ray machine at the site for performing *in situ* scans of AUES-related findings, as appropriate. Using this technology, the empty burster well is clearly visible in the center of the empty 75 mm projectile scrap item.

Parsons explained that the glassware fragments recovered to date were mostly broken shards, along with an occasional larger glass fragment. The discolored soil had clearly been disturbed in the past and showed both greenish and whitish coloration.

Parsons elaborated on the importance of constantly leveling the excavation surface to create a stable working area and to maintain slope stability. Site personnel recently encountered the known debris field and will concentrate on fully clearing this area, to be followed by removal of the remaining front yard portion of the former basement foundation wall (where the front porch and steps were situated).

Parsons described a box-like structure found underneath the front steps, consisting of masonry blocks with soil on top and beneath the box. Site personnel broke open this box and found it was empty. The structural purpose is unknown but may have served as support for the overlying front porch steps.

Parsons mentioned that significant volumes of hardscape debris and rubble are created during removal of retaining walls and footers. This process is very involved and requires site personnel to break up the hardscape into manageable pieces, cut through rebar, and transfer the resulting debris into roll-offs.

Discussion – Remaining Portion of Test Pit 120 (Within Area F in Front Yard)

AU inquired about the anticipated timing and duration of low-probability soil removal which is tentatively scheduled to be completed between the first and second tent locations. The timing of tent moves and a gap in the high-probability excavation schedule is important for planning the university's athletics spring practice schedules. USACE and Parsons responded that they are currently planning these schedule details and reviewing the logistical details to ensure that everything is in place. A specific week-by-week plan can be shared with AU after the winter holidays.

AU emphasized that the sooner USACE can provide this information, the better. The university will benefit from this schedule if the spring sports teams do not need to adjust their practice schedules to accommodate Shelter-in-Place (SIP) restrictions during intrusive excavation. In contrast, if USACE feels the excavation schedule will be lengthier than originally anticipated, then this may require significant shifts in the spring sports teams' practice schedules.

USACE clarified that the low-probability excavation planned during this time frame consists of a small area of soil behind the backyard retaining wall, where AUES-related debris was encountered during site preparations. This area will be addressed so that the second tent location can be established, and this effort may require only one or two weeks of low-probability soil removal.

AU asked how long the second tent move will take to complete. USACE replied that the anticipated completion time frame for the second tent move is approximately two weeks, or potentially slightly longer. AU responded that their athletics teams would be thrilled if this effort took as long as one month.

In response to Parsons' inquiry, AU clarified that they are not asking USACE to modify the high-probability excavation schedule. Instead, high-probability excavation should proceed as planned. AU hopes that there will be a window of time focused on low-probability and/or non-intrusive site activities, during which AU's athletic teams will have the flexibility to practice at their convenience.

USACE responded that Parsons will review the anticipated schedule during the winter holidays, and will provide an answer to AU in early January so that the AU athletics director can be notified. USACE added that they hope AU understands the first tent location may not be completed as quickly as planned, depending on findings in the remainder of Area F. USACE will provide the most accurate estimate possible to AU. AU replied that this sounds great.

Discussion – High-Probability Excavation Progress

[The following question was asked during the agenda building section of the meeting, and was moved here for clarification purposes.]

AU asked whether USACE feels that the remedial effort is progressing as scheduled, with respect to the proportion of remediation they expected to achieve by this date (late December 2013). USACE confirmed that the high-probability excavation progress is generally on schedule. They originally assumed the first (current) tent location would require four months to complete, extending through late January 2014 and accounting for holiday breaks. At this time, remediation progress is on target, and soil removal production rates were higher than anticipated until the site personnel reached the debris field. Continued progress at this rate depends on findings in the remaining portion of Area F.

USACE explained that currently the most pressing concern is the existing debris field, which does not appear to be diminishing based on the current excavation extent. Depending on the horizontal extent and vertical depth, this debris field may require a longer than anticipated excavation time frame, which would delay completion of Area F under the first (current) tent location and significantly impact the overall schedule.

AU thanked USACE for the information.

Next Steps

Parsons will follow up on the tentative schedule for completing the second tent move (including the limited low-probability excavation required to complete this tent move) and provide the best possible estimate to AU, so that the university's athletic director can be notified and can identify any necessary changes to the athletic practice schedule for spring 2014.

D. Open Issues and New Data

The goal of this segment of the meeting was to share issues not on the agenda for possible placement on a future agenda and to share new data that became available since the last Partnering meeting.

Two open issues were brought forward as brief status updates.

Comfort Letters for Completed Arsenic Removal Actions

USACE briefly described the status of comfort letters associated with completed arsenic removal actions at residential properties. With assistance from EPA and DDOE, USACE completed an inventory of all comfort letters prepared and mailed to date. A total of five outstanding comfort letters were newly prepared for residential properties where USACE believes the homeowner likely did not receive one. All five letters have been signed by EPA and DDOE will be mailed soon.

In response to USACE's inquiry, Community Outreach responded that additional comfort letters may be outstanding. USACE will check with Rebecca and Frank to identify any additional outstanding comfort letters for completed arsenic removal actions, and USACE will relay this information to EPA and DDOE.

EPA responded that they will provide PDF versions of the signed dated comfort letters to USACE for their records, followed by mailing the prepared comfort letters on Monday (December 23, 2013). USACE replied this is great and thanked EPA.

Status Update – Planned Efforts at the 3700 block of Fordham Road Property

[Details of the tentative schedule for soil sampling, soil removal, and anomaly removals at the 3700 block of Fordham Road property were provided at the January 2013 Partnering meeting, followed by brief discussion of property issues at the March/April/May/August 2013 Partnering meetings. Recent incremental progress was made toward obtaining right-of-entry for completing arsenic delineation and subsequent arsenic soil removal. Details of the signed Anomaly Review Board (ARB) memo for this property were provided at the December 2012 Partnering meeting.]

[As described at the August 2013 Partnering meeting, USACE hopes to resolve current property issues in a timely fashion. The property owner revised and signed the right-of-entry for delineation sampling, but USACE's legal counsel was unable to sign the revised version because they are uncomfortable with some of the revised language. Efforts are underway to encourage the property owner to sign more standardized right-of-entry language that is acceptable to USACE legal counsel. A signed right-of-entry is needed in order to collect delineation soil samples and determine the extent of soil removal to be completed.]

USACE briefly mentioned that they continue to pursue incremental progress toward obtaining right-of-entry for arsenic soil removal at the 3700 block of Fordham Road property.

Regarding the revised right-of-entry language provided by the property owner, USACE emphasized that they are not permitted to approve revisions to these particular sections due to engineering regulations, unless approval can be obtained from USACE Headquarters (HQ). In collaboration with their real estate division, USACE requested that the revised right-of-entry language be reviewed by USACE HQ, with the recommendation that these changes be approved. USACE's rationale is that completion of the planned work is important, and the revised language is not considered significant or problematic from a project perspective (HQ may disagree from a program perspective).

To date, the project team believes that the revised language has been approved by the USACE North Atlantic Division office in New York, and has been forwarded to USACE HQ for final review. A response is not anticipated until January 2014 due to the upcoming winter holidays. No further status details were available at this time. USACE hopes that the changes will be approved but they do not have an indication as to whether HQ will view these changes favorably or unfavorably.

USACE mentioned that it is encouraging to have received preliminary approval from real estate and legal personnel at the division level. If the signed right-of-entry containing revised language is approved, then it could potentially serve as a model for the two remaining rights-of-entry at this property (which are necessary to complete the anomaly investigation and the arsenic soil removal action).

In response to N. Wells' inquiry, USACE replied that they have not made further progress toward obtaining right-of-entry, but they are certainly trying to do so.

E. Document Tracking Matrix for Hazardous Toxic Waste (HTW) and Military Munitions Response Program (MMRP)

The goal of this segment of the meeting was to review the comment due dates on HTW and MMRP draft reports and the status of the documents.

There were no documents that required a status review.

Discussion – Document Status Updates From the Rescheduled December 10 Partnering Meeting

USACE noted that three documents would have required a status review during the December 10, 2013 Partnering meeting, which was rescheduled due to winter weather conditions, resulting in today's conference call. Further progress has been made on all three documents, with updates provided during associated agenda topics earlier during today's call.

In summary, the Addendum to the Pre-2005 HHRA Review document has been finalized and submitted to the Partners. The Draft Final Site-Wide HHRA Work Plan was submitted to the Partners for review and concurrence. The Groundwater Investigation Work Plan Addendum for installing additional deep wells will be finalized and sent to the Partners next week (late December 2013).

F. Partner's Parking Lot

The goal of this segment of the meeting was to review and update the Parking Lot list.

The "Partners Parking Lot" is an informal list designed to assist the Partners in tracking ideas, collaborations, research and tasks. The list is not a formal document specifying actions that must be taken.

The Parking Lot list will be reviewed at an upcoming Partnering meeting. Due to the conference call format of today's meeting, it is preferable to review this list when all participants can view their Parking Lot Items on the presentation screen. No changes (or possibly minimal changes) to the status of Parking Lot Items occurred after thorough review of the list at the August 2013 meeting.

G. Agenda Building

The next meeting is tentatively scheduled for Tuesday, February 25, 2014.

Discussion – Upcoming Meetings

The Partners briefly discussed the upcoming meeting schedule with respect to anticipated progress on project efforts and the associated amount of discussion. The Partners will have an opportunity to hear an update on 4825 Glenbrook Road progress during the January 2014 RAB meeting, as high-probability excavation will have resumed shortly after the winter holidays. Of the possible meeting dates, USACE suggested that February 25 most closely coincides with completion of the first (current) tent location, at which time the site may be shut down to prepare the second tent location, and the Partners may be able to visit the site if desired.

USACE expressed appreciation for everyone's patience in rescheduling and attending the December 2013 Partnering meeting via conference call. USACE wished everyone happy holidays and added that they will be in touch with the Partners in early January 2014.

H. Adjourn

The conference call was adjourned at approximately 11:00 AM.