



SPRING VALLEY FORMERLY USED DEFENSE SITE PROJECT
Joint RAB and Community Meeting

July 17, 2012
7:00 – 8:30 p.m.

GREAT HALL MEETING ROOM
METROPOLITAN MEMORIAL UNITED METHODIST CHURCH
3401 NEBRASKA AVENUE NW, WASHINGTON, DC

Agenda

- 7:00 p.m. I. Restoration Advisory Board Meeting**
Announcements, Introductions
USACE Program Updates
- Arsenic Soil Removal
 - Additional Soil Sampling
 - Groundwater Study
 - 4825 Glenbrook Road – Status Report
- Open Discussion & Future RAB Agenda Development
Public Comments
Adjourn
- 7:30 p.m. II. Open House**
(Staffed poster stations will provide upcoming and ongoing project efforts)
- 4825 Glenbrook Road**
- How the house at the property will be removed and the debris disposed
 - Overview of how the property will be cleaned up
- Site-Wide Spring Valley Project Efforts**
- Groundwater Study and Monitoring
 - Additional Soil Sampling
- 8:30 p.m. III. Adjourn**

** RAB meetings are usually held the second Tuesday of each month with the exception of August and December. Therefore there is NO meeting next month in August.*

Spring Valley

Formerly Used Defense Site

Restoration Advisory Board Meeting / Open House

July 17, 2012

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



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Agenda Review

- ❖ **Co-Chair Updates**
 - **Introductions, Announcements**

- ❖ **USACE Updates**
 - **Arsenic Soil Removal**
 - **Additional Soil Sampling**
 - **Groundwater Study**
 - **4825 Glenbrook Road NW**

- ❖ **Open Discussion & Agenda Development**

- ❖ **Public Comments**



Co-Chair Updates

Introductions



Co-Chair Updates

❖ Announcements

- **Open House following RAB meeting**
- **Website Updates:**
 - ✓ **June 2012 Monthly Project Summary**
 - ✓ **May 2012 RAB meeting materials (agenda, presentation, minutes)**
 - ✓ **Updated Area of Interest Maps (Basic AOI Location Map & AOI Investigation Status Map)**



Task Group Updates

❖ Membership Committee

- One RAB community member position still open



Arsenic Soil Removal



Soil removal pending at one property with soil boring location greater than 20 ppm arsenic

- **5100 block of Tilden Street, 22.8 ppm (5 ft. depth)**

Not previously addressed because surface soil sampling results were <12.6 ppm arsenic



Arsenic Soil Removal



Delineation sampling completed July 11th

Purpose: Determine how far field teams must dig around the boring to remove the arsenic contamination

- **4 co-located surface (0-6" below ground surface) & subsurface (5' 6" bgs) soil samples collected, spaced 2 feet radially around the boring location**
- **Results anticipated by August 2012**

Removal effort planned for late Summer/ early Fall 2012



Arsenic Soil Removal



**Boring (middle flag) and
Delineation Sampling
Locations**



**Using hand auger to
dig and collect soil at
the 5' 6" sample
depth**

Arsenic Soil Removal



**Emptying auger
with the
subsurface soil
to be sampled**



Collecting the sample



**Backfilling
the
location**

Additional Soil Sampling

Evaluation of Remaining Sampling Requirements document

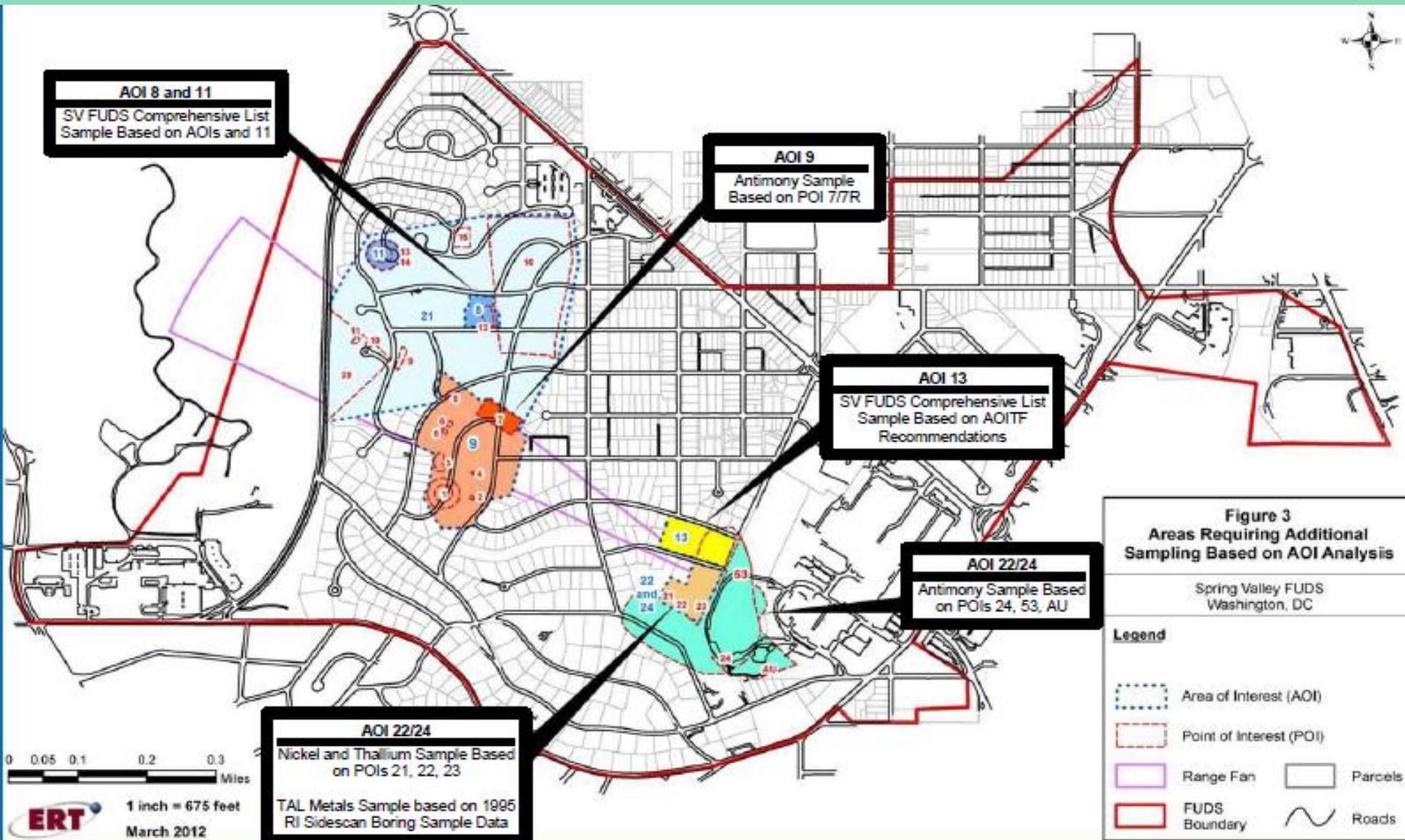
- Finalized July 2012
- Provides work plan details of the remaining areas requiring additional soil sampling

Currently working with the owners of properties selected for additional soil sampling to obtain rights-of-entry

- Involves 17 residential properties and portions of the AU campus
- Sampling effort planned for August 2012



Areas Requiring Additional Soil Sampling



Groundwater Study

***Purging and re-sampling MP-2
(deep well on the 4800 block of
Glenbrook Road)***

Upcoming Efforts



Groundwater Study

Purging and Re-Sampling MP-2

In July, field teams began purging the deep well on the 4800 block of Glenbrook Road (MP-2)

Purpose: Confirm arsenic and perchlorate detections at this location

- **Effort takes approximately 2 weeks to complete**
- **Requires pumping the standing well water from 8 individual sampling ports to allow fresh groundwater to enter the well and be sampled**



Groundwater Study

Purging MP-2



**Tank to
collect well
water**

Sampling ports



**Nitrogen to pump
water out of well**

Groundwater Study

Upcoming Efforts

Review results from isotopic analysis of perchlorate

- Determine if the perchlorate detected at Sibley is from the same source as the perchlorate detected on AU
- Results expected by *August 2012* (results will tentatively be presented at the Sept. 2012 RAB meeting)

Install deep well (to approximately 200 feet) near Kreeger Hall on the AU campus

- Characterize the extent of vertical contamination in the area
- Effort planned for *late Summer 2012*, before students return to campus for the fall semester



Groundwater Study

Upcoming Efforts

Additional Sampling

Future sampling locations (existing wells and surface water locations) and frequencies are being reviewed by the Partners

- **To be based on previous sampling results, including the quarterly sampling effort (May 2011 - February 2012)**



4825 Glenbrook Road

Decision Document

Next Steps...



4825 Glenbrook Road

Decision Document

The Decision Document was signed and authorized in July!

Now available on the Spring Valley Project website and at the Tenley-Friendship Branch Library...

- **Decision Document** – Selects the cleanup alternative for the property and Includes the Responsiveness Summary and the transcript from the Proposed Plan Public Meeting
- **Demolition and Disposal Plan** – Describes how the house at the property will be removed and the debris disposed of
- **Fact Sheet** – Summarizes the Decision Document and the next steps prior to cleaning up the property

4825 Glenbrook Road

Upcoming Efforts



Next Steps...

- **Finalize Remedial Design and Remedial Action Work Plan**
Includes the Public Protection Plan
- **Demolition***
- **Community Meeting**
Purpose: Present details of the Final Remedial Design and Remedial Action Work Plan prior to performing high probability excavations
- **Begin Site Cleanup***
**All dates are tentative pending coordination with the property owner*



Spring Valley FUDS Restoration Advisory Board

➤ Open Discussion

➤ Upcoming Agenda Items

- Review of the Arsenic Toxicity Level (EPA)
- Spring Valley JHU Follow-On Health Study Update
- 4825 Glenbrook Road ATSDR Health Consultation Update



Spring Valley FUDS Restoration Advisory Board

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

Enjoy the Open House!

Reminder: No meetings in August



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**U.S. Army Corps of Engineers
Spring Valley Joint Restoration Advisory Board and Community Meeting
Metropolitan Methodist Church
Minutes of the July 17, 2012 Joint RAB-Community Meeting**

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

Betsey Hutton	Spring Valley Community Outreach Program
Jessica Bruland	ERT
HANDOUTS FROM THE MEETING	
I. Final Agenda for the July 17, 2012 RAB Meeting	
II. Army Corps of Engineers Presentation	

AGENDA

Starting Time: The July 17, 2012 RAB meeting began at 7:04 PM.

I. Administrative Items

A. Co-Chair Updates

Greg Beumel, Community Co-Chair, opened the meeting.

Dan Noble, Spring Valley Project Manager and Military Co-Chair, welcomed the group and expressed his appreciation for the community's flexibility and willingness to adjust their schedules and attend tonight's meeting. The meeting combines a short formal RAB meeting with a public open house.

D. Noble reviewed the evening's agenda. He explained that formal RAB meeting procedures, including brief project updates and public comments, will adjourn at approximately 7:30 PM. The RAB meeting will be followed by a public open house focused on the upcoming remedial effort at the 4825 Glenbrook Road property. Additional posters associated with the Spring Valley project will also be available, and discussion of all project topics is welcome. USACE personnel will be available until approximately 8:30 PM to answer public questions about the Spring Valley project. A formal public comment period is not part of the public open house, and meeting minutes will not be recorded after the formal RAB meeting adjourns.

D. Noble reminded the group that sound recording is permitted at RAB meetings but visual recording is typically discouraged. Due to the combined RAB and public format of this meeting, this restriction does not apply, and visual and audio recording of tonight's meeting is permitted.

B. Introduce Guests

No guest introductions were made due to the combined RAB and Community meeting format.

C. General Announcements

D. Noble announced that recent website updates include the May 2012 RAB minutes and associated materials, along with the June 2012 monthly project summary. Updated AOI status maps (the Basic AOI Location Map and the AOI Investigation Status Map) are also available on the website. Preparation of these maps is in response to a community member request at the May 2012 RAB meeting.

D. Task Group Updates

One open RAB membership position is still available for interested members of the Spring Valley community. Membership applications are welcome.

II. USACE Updates

D. Noble, Spring Valley Project Manager and Military Co-Chair, provided an update on follow-on arsenic removal and additional proposed sampling efforts within AOIs.

T. Beckwith, Spring Valley Project Manager, provided an update on the groundwater investigation.

B. Barber, Spring Valley Project Manager, provided a brief status update on the Decision Document for 4825 Glenbrook Road and the associated Remedial Design and Remedial Action Work Plan.

A. Arsenic Removal

Arsenic Exceedances Associated with Soil Borings

Nearly all planned arsenic soil removal efforts for the Spring Valley FUDS have been completed to date.

All arsenic sampling results from the Spring Valley arsenic sampling and removal project were recently reviewed to assess whether any arsenic soil samples above 20 parts per million (ppm) at depth (associated with soil borings) were inadvertently not addressed. (Details were provided at the February 2012 RAB meeting.)

A total of two soil borings containing arsenic slightly above 20 ppm at depth were identified as not previously addressed. These arsenic results were shared with the property owners to determine the path forward.

AU Campus: One slightly elevated soil sample was located on AU's campus, and AU chose to leave this arsenic in place. (Details were provided at the June 2012 RAB meeting.)

Tilden Street: One property owner requested removal of the soil containing the slightly elevated arsenic. This elevated soil sample (22.8 ppm arsenic at a depth of 5 feet) was located at a residential property on the 5100 block of Tilden Street. This slight exceedance was not previously addressed because the associated surface soil sampling results were below the 12.6 ppm arsenic screening level.

Delineation soil sampling was completed in mid-July 2012. The purpose was to delineate the remaining arsenic contamination and determine how far the field team must excavate around the boring to remove all arsenic-contaminated soil. A total of 15 locations were marked with flags, dug via hand auger, and sampled with the goal of defining the soil removal area. These samples were spaced radially around the original soil boring, and each location was sampled at co-located surface (0 to 0.5 feet bgs) and subsurface (5.5 feet bgs, matching the depth of the original arsenic exceedance).

Analytical laboratory results are pending. The results are anticipated in August 2012 and will tentatively be presented at the September 2012 RAB meeting. Soil removal is tentatively planned for late Summer or early Fall 2012. The Spring Valley Community Outreach Team will coordinate with the property owner to schedule the soil removal effort.

Question from Mary Bresnahan, RAB Member – How were you able to identify an arsenic exceedance at depth, considering that the surface soil sampling results were less than the Spring Valley arsenic screening level of 20 ppm? Why would arsenic be present at that depth?

D. Noble explained that although most sampling locations consisted of surface soil samples, potential contamination at depth was measured via soil borings at approximately 100 residential properties. Soil elevations in the Spring Valley neighborhood have changed over the past several decades as soil was removed or added (referred to as cut and fill). At the residential property on the 5100 block of Tilden Street, the soil sample containing arsenic above 20 ppm was located at the 1918 soil horizon and subsequently covered with 5 feet of fill.

B. Supplemental Soil Sampling Within AOIs

Background: As described at the June 2012 RAB meeting, the site-wide remedial investigation (RI) report for the Spring Valley FUDS is currently in the early stages of preparation. Additional soil sampling is proposed at several Areas of Interest (AOIs) to provide additional data for analysis within the RI report. (Details were provided at the May and June 2012 RAB meetings.)

Evaluation Document: The site-wide evaluation document, called the *Evaluation of Remaining Sampling Requirements* document, was finalized in July 2012. This document provides work plan details of the remaining areas that require additional soil sampling. Work plan details include the locations of additional proposed sampling and the constituents of interest at each area.

The final document and a color-coded map of the areas proposed for additional sampling were displayed at the public open house following the formal RAB meeting.

Rights-of-Entry: Samples will be collected at a total of 17 residential properties and at portions of AU's campus. The Spring Valley Community Outreach Team is currently coordinating with the property owners to obtain rights-of-entry, and the team has received positive responses so far.

Tentative Schedule: The supplemental soil sampling effort is planned for August 2012. Sampling results will be shared with the RAB when they become available.

[No questions or comments were shared on this topic.]

C. Groundwater Investigation

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

Follow-on efforts are underway to provide additional groundwater investigation data.

MP-2: This deep well is located on the 4800 block of Glenbrook Road, across the street from the 4825 Glenbrook Road site. In Spring 2012, perchlorate and arsenic were both detected above the current drinking water standards in several specific well depth intervals. (Details of the sampling results were provided at the June 2012 RAB meeting.)

Purging and re-sampling of all MW-2 intervals is underway to confirm that recent arsenic and perchlorate detections are truly representative of groundwater chemistry in the aquifer, and to ensure that these detections were not influenced by well construction. This effort will take approximately two weeks to complete. Large volumes of standing water must be pumped from each FLUTE liner sampling port (a total of eight ports) to allow fresh groundwater to enter the well, followed by collecting a groundwater sample from each port. Receipt of analytical laboratory results is anticipated in August 2012. The results will tentatively be shared at the September 2012 RAB meeting.

The purging and sampling process uses a pressurized gas (inert nitrogen) as an energy source to pump standing water out of the well, and the pumped water is collected in a large tank. The pressurized gas is also used to pump fresh water out of each sampling port into the associated sampling tube and into the sample collection container.

Isotopic Perchlorate Analysis: Two perchlorate samples were collected at AU's campus and near Sibley Hospital, where some of the highest perchlorate concentrations in the Spring Valley project area have been detected to date. The purpose of this effort is to determine whether these two perchlorate plumes originated from the same source. Perchlorate is comprised of chlorine and oxygen, and specific isotope ratios of these elements can reveal information about the perchlorate source.

Analyses are being conducted by the University of Chicago. Receipt of analytical results is anticipated in a few weeks, and these results will tentatively be presented at the September 2012 RAB meeting.

Additional Deep Well: One additional deep monitoring well will be installed near Kreeger Hall on AU's campus, with a planned well depth of 200 feet. The purpose of this well is to delineate the vertical extent of elevated perchlorate at depth in this area. The drilling effort is planned for August 2012, prior to the return of students for AU's fall semester.

As described at the June 2012 RAB meeting, installation of the additional deep well was originally planned for March 2012 to match the existing deep well depths. Loose weathered bedrock was encountered during the drilling process and the borehole was at risk of collapsing inward onto the drill rods. The final well depth was 100 feet, and a traditional well screen was installed to allow sampling of groundwater between 80 and 85 feet deep. This screened well was renamed **MW-44**. The additional deep monitoring well will be installed in the immediate vicinity of MW-44 to further characterize deep groundwater aquifer chemistry in this area.

Additional Sampling: To date, more than 50 groundwater monitoring wells and surface water locations have been established and have been monitored since 2005. Future monitoring is planned at selected existing monitoring wells and surface water locations. The locations and frequency of future sampling will be based on previous sampling results, including the recently completed quarterly sampling effort (which spanned a time frame of May 2011 through February 2012).

The scope of this effort is under review by the Partners and will tentatively be finalized in late Summer 2012. The next sampling effort is tentatively planned for Fall 2012.

Question from Kathleen Connell, RAB Member – Why did you select the AU campus for installation of the new deep well, as opposed to another location within the Spring Valley FUDS?

T. Beckwith explained that the highest perchlorate detections to date in Spring Valley groundwater are associated with the area near Kreeger Hall. Elevated perchlorate was detected at approximate depths of 50 feet (at PZ-4S/4D) and 85 feet (at MW-44). The additional deep well is designed to provide further information on the depth of perchlorate contamination in this specific area.

Question from K. Connell, RAB Member – Do you expect that this perchlorate contamination information will be applicable to other areas of the project site, or is this information site-specific?

T. Beckwith replied that all available groundwater information from wells throughout the Spring Valley FUDS will be used to evaluate the nature and extent of perchlorate contamination.

Question from K. Connell, RAB Member – I am trying to understand how you will make use of the collected groundwater information. If you encounter perchlorate at greater depths, will you resample the other deep wells?

T. Beckwith explained that the goal is to use the deep well sampling results to bound the depth of the perchlorate contamination. Determining the nature and extent of perchlorate contamination essentially means that the deep well sampling results will be used to define the horizontal and vertical limits of elevated perchlorate in groundwater. All groundwater data will be evaluated by the Partners, incorporated into the remedial investigation (RI) report, and assessed in the feasibility study (FS) report to determine whether any additional actions are required to address the existing perchlorate contamination.

Question from K. Connell, RAB Member – To rephrase my earlier question, when you determine the extent of perchlorate contamination in deep groundwater, is this information transferrable and useful for other areas of the project site, or is it only applicable to the area around this specific well?

T. Beckwith clarified that the additional deep well perchlorate data will be specific to that location, near Kreeger Hall on AU's campus. However, elevated perchlorate detected at depths of 200 feet would likely represent a larger area of elevated perchlorate at that depth (instead of representing a very small area of perchlorate contamination).

Question from K. Connell, RAB Member – At a future RAB meeting, will you share the next groundwater investigation activities that are based on the deep well sampling results, or are you assuming that mitigation efforts will be required to address any perchlorate contamination at these depths?

T. Beckwith replied that during the site-wide RI/FS process, all groundwater data will be evaluated by the Partners to identify remaining issues and to make final decisions on what, if any, future groundwater actions are required.

Question from Kent Slowinski, Audience Member – If elevated perchlorate is detected at a depth of 200 feet in the new deep well, do you plan to drill another well to investigate the extent of perchlorate at depths beyond 200 feet?

T. Beckwith replied that this is a possibility. The need for additional groundwater data collection, such as a well that extends deeper than 200 feet, will be discussed with the Partners

Question from Kent Slowinski, Audience Member – Is it a concern that you have not encountered a clean groundwater aquifer?

T. Beckwith explained that these follow-on groundwater characterization efforts are part of the ongoing investigation of the nature and extent of perchlorate contamination in groundwater.

Question from M. Bresnahan, RAB Member – Is groundwater present underneath the Spring Valley neighborhood considered an aquifer? In my mind, the term ‘aquifer’ suggests a large underground source of water, so it makes me nervous when someone states that a clean aquifer has not been encountered.

T. Beckwith replied that using the technical definition, the general term ‘aquifer’ refers to any subsurface groundwater.

T. Beckwith clarified that there does not appear to be a large groundwater resource from which drinking water could be pumped and distributed to a large number of people.

Question from Nan Wells, ANC3D Commissioner – Could you please repeat the response you just shared with the RAB?

T. Beckwith explained that the project team has not detected a large aquifer that would support installation of production wells for the purpose of pumping large groundwater volumes and providing a drinking water source for a large residential population. Instead, groundwater underlying the Spring Valley FUDS flows on top of bedrock and through numerous bedrock fractures.

Question from Peter deFur, RAB TAPP Consultant – All of the follow-on groundwater efforts are part of the larger site-wide groundwater investigation work plan. This plan started in 2005 with a series of groundwater monitoring wells, and has evolved into the current sequence of groundwater characterization events. Is the groundwater investigation work plan available on the Spring Valley project website?

T. Beckwith replied that the work plan is not currently posted on the website.

Suggestion from P. deFur, RAB TAPP Consultant – It might be useful to ensure that the groundwater investigation work plan is available on the project website so that the RAB and the community can become more familiar with the work plan contents.

T. Beckwith acknowledged this request.

D. Military Munitions Response Program

4825 Glenbrook Road (Decision Document; Remedial Design and Remedial Action Work Plan)

Completed Documents

Final 4825 Glenbrook Road CERCLA-related documents are posted on the Spring Valley Project website and are also available at the Information Repository at the Tenley-Friendship Branch Library. (Details of previously finalized documents were provided at the October 2011 and previous RAB meetings).

Decision Document: The Decision Document (DD) was signed and authorized in July 2012. This final approval and signature was provided by the Deputy Assistant Secretary of the Army (DASA) for Environment, Safety, and Occupational Health. The details of the approval and concurrence process were provided at the April 2011 RAB meeting.

The DD formally selects Alternative 5 (removal of the house and cleanup to residential standards providing for unrestricted future use of the property) as the cleanup alternative for the 4825 Glenbrook Road site. This document includes the transcript of the November 2011 Proposed Plan public meeting and the Responsiveness Summary containing USACE's responses to all comments received during the public comment period. The DD is provided electronically on the Spring Valley Project website and is also available at the Information Repository at the Tenley-Friendship Branch Library.

Demolition and Disposal Plan: The Demolition and Disposal Plan describes the removal and disposal of the 4825 Glenbrook Road house and associated debris, and was finalized in February 2012. The details of this plan were presented at the March 2012 RAB meeting.

Fact Sheet: A fact sheet is also provided electronically on the Spring Valley website and at the local library, to explain the key elements (purpose, organization, and contents) of the DD as well as the next steps prior to cleaning up the property. Similar fact sheets were prepared previously for other finalized 4825 Glenbrook Road CERCLA-related documents. This fact sheet is designed for use as a reference during review of the final DD and the final Demolition and Disposal Plan.

Tentative Schedule (Next Steps)

Remedial Design and Remedial Action Work Plan: The 4825 Glenbrook Road remedial design and remedial action work plan (which includes the Public Protection Plan) describes the intrusive activities designed to achieve remedial objectives. Details of the work plan were presented at the May 2012 RAB meeting. Work plan finalization is pending.

Demolition Phase: House demolition is anticipated to begin in late Summer 2012. All demolition and remedial action dates from this point forward are tentative and will be determined pending ongoing coordination with the property owner (AU) to resolve remaining concerns.

Community Meeting: An informational community meeting is tentatively planned following the demolition phase and prior to beginning high-probability excavations at the site. The purpose of this meeting is to present the details of the remedial action and how these cleanup activities will be implemented at the site.

Site Cleanup: The tentative remedial action schedule was summarized at the June 2012 RAB meeting and is subject to change pending ongoing coordination with the property owner (AU).

Question from M. Bresnahan, RAB Member – What issues are causing a delay in the demolition and remedial action schedule? I thought the project team was well on their way to resolving issues.

B. Barber replied that the demolition and cleanup efforts are pending final details of the high-probability excavation engineering controls, the public protection plan, and ongoing communication with AU.

Question from Audience Member – According to the June 2012 monthly project update, house demolition was scheduled for August 2012. During your discussions with the property owner, were there any indications that August 2012 was a realistic deadline which would explain the planned demolition schedule?

B. Barber explained that USACE assumed they could resolve the final details with AU with sufficient time to complete the house demolition in August 2012. Based on further discussions with AU, final

details need to be worked out such as the need for additional engineering work to minimize impacts to the adjacent properties and property lines.

Question from M. Bresnahan, RAB Member – Who owns the adjacent residential properties?

B. Barber replied that the adjacent properties are owned by AU and the Republic of Korea, respectively.

Question from M. Bresnahan, RAB Member – Has the Ambassador for the Republic of Korea expressed any concerns?

B. Barber confirmed that the Ambassador for the Republic of Korea is concerned about impacts to their property line during excavation efforts.

Question from M. Bresnahan, RAB Member – What about concerns associated with impacts to the neighboring property beyond the property line?

B. Barber explained that the 8-foot buffer (yard/green space) between the 4825 and 4835 Glenbrook Road house footprints is much smaller than the buffer between the 4825 and 4801 Glenbrook Road house footprints. Due to the depth of planned excavation, additional engineering work is required to prevent structural impacts to the 4835 Glenbrook Road house during the remedial effort.

Comment from M. Bresnahan, RAB Member – My perception as a member of the Spring Valley community is that although you have described these issues very nicely, courteously, and graciously, I interpret these concerns as AU's issues that are slowing down the demolition and remedial action process.

Question from Audience Member – I live across the street from the 4825 Glenbrook Road property. My earlier question focuses more on the discrepancy between USACE's confidence that demolition would begin in August 2012, as described in the recent project newsletter, and the number of pending issues that require resolution.

B. Barber clarified that August 2012 is an overly optimistic time frame because the remaining unanticipated issues must be resolved with the property owner (AU) prior to beginning demolition. USACE is coordinating with AU daily to resolve issues as quickly as possible, but the revised anticipated demolition start date has not been determined at this time.

Question from Nan Wells, ANC3D Commissioner – In my recent formal comments provided to USACE, I suggested that the project team provide weekly progress updates on the 4825 Glenbrook Road effort. This would be particularly useful during the summer months when many Spring Valley residents are out of town. Have you considered an additional reporting mechanism beyond the monthly meetings and monthly project updates?

B. Barber confirmed that USACE prepared a response to this comment. Weekly updates will be posted to the project website when the demolition and cleanup efforts begin at the site. During the interim time frame, stakeholders will receive updates as progress is made, and the next large announcement to the community will consist of the finalized house demolition time frame.

Comment from M. Bresnahan, RAB Member – I am aware that USACE is trying to meet the mid-August 2012 deadline originally established by the property owner (AU). If the remaining issues cannot be resolved in time to meet the August 2012 deadline, will the house demolition be postponed until next summer when academic classes are not in session?

B. Barber clarified that AU is prepared to move forward with the house demolition process regardless of whether the proposed August 2012 time frame is met. Based on coordination with AU's President Kerwin, if remaining issues cannot be resolved by August 2012 then AU can accommodate house demolition during the Fall 2012 academic semester as long as proper communication channels and other safety considerations are established.

Comment from Alma Gates, At Large Representative for Horace Mann Elementary School – Horace Mann Elementary School also uses Glenbrook Road for the purpose of their walking school bus. I don't think that AU is currently taking Horace Mann students into consideration.

B. Barber acknowledged this concern.

Comment from Audience Member – I also live on the 4800 block of Glenbrook Road. I am surprised and very disappointed to hear that the Decision Document required such a long approval and finalization because it was a bureaucratic decision. I am surprised that negotiations with AU were not initiated concurrently with the DD approval process, prior to DD finalization.

B. Barber clarified that USACE has been pursuing these negotiations with AU for the past few months. However, the property owner (AU) and the property lease negotiations were impacted by multiple internal decisions and revised implications associated with the 4825 Glenbrook Road site.

Question from Audience Member – Are you saying that these negotiations could continue for several months before demolition can be conducted?

B. Barber clarified that there are a few remaining issues that require resolution, but a lengthy delay is not anticipated.

Question from Audience Member – Can you provide an estimated time frame during which these issues will be resolved?

B. Barber replied that she is not prepared to estimate the time frame for resolving these issues, but house demolition will hopefully be completed by late Fall 2012.

Question from Audience Member – How long will the demolition process take, and what do you mean by 'late Fall 2012'?

B. Barber explained that house demolition will require an estimated time frame of 2-3 weeks, and will hopefully be completed in September or October 2012.

B. Barber added that USACE does not anticipate a lengthy time frame for resolving the outstanding final issues. USACE and AU are communicating on a daily basis to discuss issues and final details. As a large university, AU is concerned about their students and the neighboring 4835 Glenbrook Road property that they own, not just the 4825 Glenbrook Road property itself.

Question from Audience Member – Are you communicating with the Embassy for the Republic of Korea to resolve their concerns? Do you anticipate any further problems associated with this issue?

B. Barber confirmed that the Spring Valley Community Outreach Team recently met with the Embassy staff for the Republic of Korea, who feels that the current work plan details are acceptable. The engineering contractor is completing work plan figures and writing the Statement of Work (SOW), and these details will be presented to the for their approval.

Question from Audience Member – Are there any other stakeholders who could further delay this process?

B. Barber replied that to the best of her knowledge, no other stakeholders are likely to impact resolution of the remaining issues.

Comment from M. Bresnahan, RAB Member – The RAB currently does not include a decision maker from AU who can speak on the university's behalf. The upcoming new decision maker for AU could potentially identify additional issues that may cause AU to hesitate, thus further delaying the process. [Penny Pagano resigned from the RAB, as described at the June 2012 RAB meeting, and interim replacements are planned until a permanent replacement is identified.]

[Interim AU representative] replied that she understands correctly, AU is currently responding to the details outlined in the final Decision Document, which was released to the public at the same time as it was made available to the university. It is not fair to state that AU is dragging their feet and delaying the decision to move forward in the demolition and remedial action process. AU is currently responding to particular issues associated with work plan details that could not be resolved until the DD received the final signatures and approval. All parties involved had agreed that DD finalization was required in order to resolve these remaining issues.

Comment from M. Bresnahan, RAB Member – As a layperson, I have a lot of trust and respect for the engineering professionals involved in cleanup projects across the United States. At this site, the engineers happen to be members of USACE and other organizations that are providing valuable input. The engineers are the experts who know how to design and execute the demolition and remedial action plans with community protection in mind. My intent was not to criticize AU. Instead, I wanted to express my thoughts about delays associated with legal discussions and similar issues.

Question from Audience Member – Have you finalized the property lease with AU?

B. Barber replied that the terms of the lease are still under negotiation with AU.

M. Bresnahan commented that it is ridiculous that the lease negotiations have taken so long to complete.

Comment from Audience Member – The terms of the lease may be associated with engineering details, in which case this delay is more understandable. If the business terms of the lease are the primary negotiation issue, then the delayed lease finalization is disappointing.

M. Bresnahan added that lease negotiations typically focus on money and bottom line funds.

Comment from D. Noble, Spring Valley Project Manager and Military Co-chair – Any further questions and comments can be discussed during the public open house immediately following the RAB meeting.

B. Barber and I will both be available to discuss the 4825 Glenbrook Road site.

IV. Open Discussion and Agenda Development

A. Next Meeting: Tuesday, September 11, 2012

Upcoming meetings will be held in September and October 2012. These meetings will be held at the usual location (St. David's Episcopal Church).

RAB meetings are not held in August or December.

B. Future agenda topics

- Spring Valley Follow-On Health Study Update (Johns Hopkins University)
- Update on the ATSDR Health Consultation for 4825 Glenbrook Road
- Upcoming Revisions to the Arsenic Cleanup Standard (USEPA Toxicologist)

C. Open Discussion

No additional topics were discussed.

D. Noble thanked everyone for attending. He invited the group to stay for the public open house following the meeting.

VI. Adjourn

The meeting was adjourned at 7:43 PM.

