



DEPARTMENT OF THE ARMY
US ARMY INSTALLATION MANAGEMENT COMMAND
HEADQUARTERS, UNITED STATES ARMY GARRISON
4551 LLEWELLYN AVENUE, SUITE 5000
FORT GEORGE G. MEADE, MARYLAND 20755-5000

IMME-PWE

November 19, 2015

MEMORANDUM FOR Restoration Advisory Board Members

SUBJECT: Minutes for the November 19, 2015 Restoration Advisory Board Meeting

1. The Restoration Advisory Board (RAB) meeting was held on November 19th, 2015, at 7:00 p.m. at the Marriott Courtyard located at 2700 Hercules Road, Annapolis Junction, Maryland, 20701. The next RAB meeting will be **Thursday, January 21st, 2016, 7 p.m.**, at the Marriott Courtyard, 2700 Hercules Road, Annapolis Junction, Maryland, 20701.

2. The following RAB members were present:

Mr. Mick Butler, Fort Meade Co-Chair
Mr. David Tibbetts, Community Co-Chair
Mr. Bill Dehn, Anne Arundel County Health Dept.
Mr. Wayne Dixon, Community Member
Mr. Martin Madera, Alternate Community Co-Chair
Mr. Bob Stroud, U.S. Environmental Protection Agency
Mr. Fred Tutman, Community Member

3. Members not present:

Mr. Rusty Bristow, Community Member
Ms. Kellyann Few, Community Member
Ms. Elisabeth Green, Maryland Department of the Environment
Mr. George Knight, Fort Meade Restoration Manager
Mr. Harry Neal, Community Member

4. Others present were:

Mr. Steve Cardon	Fort Meade-BRAC
Mr. Walt Chahanovich	Fort Meade-SJA
Ms. Sarah Gettier	AECOM
Ms. Katrina Harris	Bridge Consulting Corp.
Mr. Michael Hertz	EA Engineering
Mr. Jerry Kashatus	AECOM
Mr. Mark Magness	CB&I
Ms. Erin McKinley	Fort Meade Environmental Division (contractor)

Mr. Scott McClelland	AECOM
Ms. Denise Tegtmeyer	Fort Meade Environmental Division (contractor)
Mr. Harry Wolf	Mosaic

5. Announcements and Minutes:

a. Mr. Mick Butler welcomed everyone and invited all present to introduce themselves and sign in. Mr. Butler advised Mr. George Knight and Ms. Elisabeth Green could not be present. Mr. Butler stated Ms. Green could not be present as the process used by the Department of Defense to provide funding to the States for oversight of military environmental cleanup programs has not been completed.

b. Mr. Tibbetts made a motion to approve the September 17th, 2015, meeting minutes. The motion was seconded and unanimously adopted to approve the September 17th, 2015, minutes.

6. Old Business:

Mr. Butler stated there were no outstanding items and the Board concurred.

7. Multiple Award Environmental Service (MAES) Contract:

a. Mr. Butler introduced Mr. Jerry Kashatus of AECOM, an Army contractor, to discuss the sites included under a recently awarded contract through the U.S. Army Corps of Engineers, Baltimore District, to AECOM.

b. Mr. Kashatus stated the contract is for multiple sites in various phases of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) process. He said other team members are PIKA and ARCADIS, as well as various subcontractors such as drillers, laboratories, and surveyors.

c. Mr. Kashatus discussed the tasks under the contract which include achieving Remedy in Place/Response Complete and conducting semi-annual groundwater monitoring at Closed Sanitary Landfill (CSL); covering Cell 3 of the CSL; achieving Remedy in Place/Response Complete for a small soil site at Architect of the Capitol; achieving Final Supplemental Site Investigations at 23 sites; and achieving Final Remedial Investigation/Feasibility Studies (RI/FS) at 20 sites. Mr. Kashatus displayed a map showing the location of the sites.

d. Mr. Kashatus next discussed the CSL noting it is composed of Cells 1, 2 and 3. He reviewed the history of the CSL noting the trench fill method was used from the late 1950s to mid-1970s, with the landfill being officially closed in the 1990s. He advised Cells 1 and 2 were capped and a landfill-gas collection system installed. Mr. Kashatus stated Cell 3 is relatively flat, lacking topographic expression, so it does not have the same contour as Cells 1 and 2. He advised as part of the post-closure process, groundwater monitoring has been conducted for

many years. Mr. Kashatus noted the RI/FS for the site is final, and a draft Proposed Plan (PP) has been prepared.

e. Mr. Kashatus discussed the planned work for the CSL and noted ARCADIS will be conducting most of the work. He advised the work includes the semi-annual groundwater monitoring, developing an ecological risk assessment, finalizing the PP, preparing the Record of Decision (ROD), conducting a pilot test for an air sparge system, installing the remedy and preparing a remedial action completion report. Mr. Kashatus explained air sparging was the technology recommended in the Feasibility Study and the draft PP; however, public comment needs to be obtained before a final remedy is selected. Mr. Kashatus displayed an aerial photograph of Cell 1 and pointed out the planned location of the air sparge wells at the southeastern edge of Cell 1. He stated the system would be designed to address the elevated detections of benzene and arsenic in the groundwater in that section of the CSL.

f. Mr. Kashatus next discussed Cell 3, which was thought to not have been used. He advised in the last six to eight years it has been determined Cell 3 was historically used as a waste disposal site. Mr. Kashatus stated some environmental investigation have been conducted at Cell 3, and as part of the RI for the CSL, six trenches were excavated to look for waste disposal and collect soil samples; waste was uncovered in five of the six trenches. He advised a 2008 methane study was performed at the CSL that included Cell 3. He explained there is some stockpiled soil at four locations on Cell 3 from construction activity on Fort Meade. He continued explaining that when one of the piles was being re-graded, some waste was uncovered that was similar to what was found in the trenches; based on newspapers found in the waste, it appeared to be waste from the 1960s. He stated the waste was found outside what was believed to be the boundary of Cell 3.

g. Mr. Kashatus displayed an aerial photograph showing the different boundaries of Cell 3 based on various reports over the years. He stated the red line shows the boundary recently drawn based on aerial photographs and will be used as a starting point in confirming the boundary. Mr. Kashatus said there is a groundwater injection well on Cell 3 for Operable Unit 4 which will need to be taken into account when the two-foot soil cover is placed on Cell 3, as well as the piping that comes from the treatment plant to the injection well. He pointed out a roadway that will be built up so the slope of the cover appropriately minimizes the accumulation of rainfall. Mr. Kashatus displayed some of the results, the lowest and highest detections, from the methane study which indicate the outline of Cell 3 may not exceed the red line boundary he displayed on a previous slide. He stated the estimated boundary may also be supported by the lack of waste found in the sixth trench. He noted a geophysical study and shallow test pits will be done to confirm the boundary, followed by designing the cover and applying for permits. He said the stockpiled soil present at Cell 3 will be utilized to the extent possible, and the roadway will be maintained through the center of Cell 3. Mr. Kashatus said there will be a separate RI/FS Study on Cell 3 which will include additional deeper test pits for sampling, soil borings, new groundwater wells, and groundwater sampling.

h. Mr. Kashatus next discussed the planned work at the Architect of the Capitol site. He reminded the Board all CERCLA steps through a signed ROD had been completed. He stated

the ROD calls for a small area, 60 feet by 68 feet, where elevated concentrations of lead were detected, to be excavated. He noted the elevated lead concentrations are at approximately 14 feet deep, so there is no surface exposure to the contamination. Mr. Kashatus displayed aerial photographs showing the location of the area to be excavated.

i. Mr. Kashatus reviewed the sites which require a Supplemental Site Investigation (SSI) or a RI/FS. He reminded the Board he had been discussing these sites at previous meetings where Preliminary Assessments were performed, and SSIs were recommended for sites that require minimal information to determine if no further action is needed or if they should advance to the RI/FS stage. Mr. Kashatus displayed a list of the sites requiring an SSI and a map showing their location. He also displayed a list of the sites requiring an RI/FS and a map showing their location. He noted the planned activities include collecting additional soil, groundwater, surface water, and/or sediment samples; installing and sampling additional monitoring wells; preparing human health and ecological risk assessments, as appropriate for RI sites; and, preparing reports.

j. Mr. Kashatus reviewed the near-term schedule of activities noting the current quarter work would primarily involve the preparation of plans and the CSL Proposed Plan. He stated field work would begin in the second quarter and continue in the third quarter.

9. Update on the Base Realignment and Closure Act Program:

a. Mr. Butler introduced Mr. Michael Hertz of EA Engineering to give an update on their Base Realignment and Closure Act (BRAC) Program contract.

b. Mr. Hertz reviewed the scope of EA Engineering's contract through the Baltimore District of the Army Corps of Engineers and noted EA would be providing five years of long-term monitoring from 2014 through 2019 on the Patuxent Research Refuge. He advised this included annual sweeps of about a mile-long section of the Little Patuxent River, starting south of Route 198 down to the Old Forge Bridge; annual sampling at the Tipton Airfield Parcel, the Ordnance Disposal Area, and the Clean Fill Dump; and, annual remedy maintenance inspections at Inactive Landfills 1 and 3.

c. Mr. Hertz next discussed the 2015 River sweep and noted it was the 15th annual river sweep event. He advised the most recent river sweep was completed from August 26 to 28, 2015. He advised 69 practice 2.36-inch rockets were recovered; no live munitions were found. Mr. Hertz displayed an aerial photograph of the sweep location. He displayed a chart showing the items recovered since 2001. He noted items are typically found at the point where the river bends. He explained strong rain events can impact erosion and the number of items found.

d. Mr. Hertz discussed the 2015 groundwater sampling event and noted the three sites have been monitored for some time—Tipton since 2001, the Clean Fill Dump since 1991, and the Ordnance Demolition Area since 2002. He stated the sampling events had been increased from every two years to every year in 2012 to ensure a comprehensive picture was developed of the groundwater. He advised the 2015 event collected samples from 41 groundwater monitoring wells across the three sites, along with five surface water samples at the Clean Fill Dump due to

its proximity to the Little Patuxent River, and the data is being compiled. He advised decreases are being seen in the levels of volatile organic compounds. Mr. Hertz displayed a map showing the three sites.

e. Mr. Hertz advised the maintenance inspections at Landfills 1 and 3 are scheduled for November 24, 2015. He noted no significant issues were found during the 2014 inspections, and the remedies were still effective. He displayed an aerial photograph of the two landfills.

f. Mr. Hertz reviewed the status of 2015 documents and the 2016 schedule. He advised the draft Little Patuxent River sweep report is being reviewed by the regulators and the Fish & Wildlife Service, and the internal draft groundwater long-term monitoring report is being reviewed by the Army. He estimated the report from the landfill inspections will be submitted to the Army in December. He noted the 2016 inspection of the landfills will include the ordnance sweep which is required every five years. Mr. Hertz added that the Baltimore District of the Army Corps of Engineers is conducting a five-year review for the Combined Groundwater Operable Unit for the three groundwater sites which should be finalized in September 2016.

10. Update on the Nevada Avenue Investigation:

a. Mr. Butler introduced Ms. Denise Tegtmeyer of Sundance Consulting to give an update on the Nevada Avenue investigation.

b. Ms. Tegtmeyer displayed a chart showing the sampling results over the last 12 months. She also displayed a graph and explained it had been updated to show the results from sampling since 2009. She stated the sampling results show fairly steady detections of tetrachloroethene (PCE) at 1.1 to 1.2 parts per billion for some time.

c. Ms. Tegtmeyer advised sampling had been conducted in September, October and November. She stated the Army had requested the sampling be reduced to quarterly, and EPA and Maryland Department of the Environment had agreed with reducing the sampling frequency. She said the next sampling event will be in February.

d. Ms. Tegtmeyer advised sampling at one property has not been done in the last few months as the homeowner needs to repair the outdoor spigot.

e. Ms. Tegtmeyer noted bottled water continues to be provided to homes on Nevada Avenue and throughout the study area as requested. She referenced the investigations discussed by Mr. Kashatus and noted they would be helping to confirm whether the source of the detections at Nevada Avenue are coming from Fort Meade.

11. Open Discussion/New Business:

IMME-PWE

SUBJECT: Minutes for the November 19th, 2015 RAB Meeting

a. Mr. Butler discussed the five-year review underway at Fort Meade in coordination with the Army Corps of Engineers, Buffalo District. He stated the review would be looking at the Former Pesticide Shop and the Former Mortar Range sites. Ms. Tegtmeyer added the community co-chair of the RAB, Mr. Tibbetts, and Mr. Bob Stroud of EPA would be interviewed; anyone else interested in being part of the interview process can contact her or Mr. Butler.

b. Mr. Fred Tutman asked if there was a map with overlays that showed all the sites. Mr. Butler suggested looking at the Installation Action Plan or Site Management Plan for this type of information. Mr. Tibbetts said it would be helpful if the sites were a GIS layer that others could access; Mr. Butler said he would take this as an action item to explore further.

c. The meeting was adjourned at 8:16 p.m.

MICHAEL P. BUTLER
Chief, Environmental Division

CF:
RAB MEMBERS