



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

May 19, 2016

MEMORANDUM FOR Restoration Advisory Board Members

SUBJECT: Minutes for the May 19, 2016 Restoration Advisory Board Meeting

1. The Restoration Advisory Board (RAB) meeting was held on May 19<sup>th</sup>, 2016, 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, July 21<sup>st</sup>, 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. Bill Dehn, Anne Arundel County Health Dept.  
Mr. Curtis DeTore, Maryland Department of the Environment  
Ms. Kellyann Few, Community Member  
Mr. George Knight, Fort Meade Restoration Manager  
Mr. Bob Stroud, U.S. Environmental Protection Agency (EPA)  
Mr. David Tibbetts, Community Co-Chair

3. Members not present:

Mr. Rusty Bristow, Community Member  
Mr. Wayne Dixon, Community Member  
Mr. Martin Madera, Alternate Community Co-Chair  
Mr. Harry Neal, Community Member  
Mr. Fred Tutman, Community Member

4. Others present were:

Mr. Steve Cardon	Calibre (Fort Meade-BRAC)
Mr. Walt Chahanovich	Fort Meade-SJA
Ms. Amanda Duggins	Arcadis
Ms. Katrina Harris	Bridge Consulting Corp.
Ms. Emily Justice	CB&I
Mr. Mark Magness	CB&I
Mr. Craig Mah	Fort Meade-SJA

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Ms. Erin McKinley  
Ms. Krista O'Hara

Sundance Consulting, Inc.  
Aerostar

5. Announcements and Minutes:

a. Mr. Mick Butler welcomed everyone and invited all present to introduce themselves and sign in.

b. Mr. David Tibbetts made a motion to approve the March 17<sup>th</sup>, 2016 meeting minutes. The motion was seconded and unanimously adopted to approve the March 17<sup>th</sup>, 2016 minutes.

6. Old Business:

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

7. BRAC Five-Year Reviews:

a. Mr. Butler introduced Mr. Steve Cardon, Calibre, Legacy Base Realignment and Closure Act (BRAC) Environmental Coordinator. Mr. Cardon said his presentation is on the 2016 Five-Year Reviews for the Fort Meade 1988 BRAC sites.

b. Mr. Cardon displayed a list of agencies who are part of the project team or stakeholders. He stated the US Army Corps of Engineers, Baltimore District, is writing the five-year review.

c. Mr. Cardon discussed the purpose of five-year reviews, noting the Comprehensive Environmental Restoration, Compensation and Liability Act (CERCLA) requires remedial actions resulting in hazardous substances, pollutants or contaminants remaining at a site to undergo five-year reviews. He continued explaining the purpose is to evaluate the implementation and performance of the remedy to determine whether the remedy remains protective of human health and the environment. Mr. Cardon said for federal facility sites, the lead agency (the Army at Fort Meade) conducts the review, prepares the reports, and submits the report to stakeholders for review and comment. He noted the lead agency is responsible for ensuring that the recommendations and follow-up actions in the report are completed.

d. Mr. Cardon showed a video produced by the US Environmental Protection Agency on five-year reviews at federal facilities.

e. Mr. Cardon displayed a chart depicting the CERCLA process and noted the five-year review process can be helpful even when a site is in the long-term monitoring phase in optimizing the process and more quickly remediating the site.

f. Mr. Cardon reminded the Board the property transfers had occurred through several different methods between 1988 and 2001. Mr. Cardon stated about 8,100 acres of the original 13,500 acres had been transferred to the Department of the Interior by legislative

mandate, about 100 acres were transferred to the Architect of the Capitol, and then about 350 acres were transferred to Anne Arundel County for the Tipton Airport Authority. Mr. Cardon displayed a map showing current property boundaries. He displayed a second map showing the sites with environmental issues that the Army is responsible for even though the property has been transferred. He noted some of the sites have been closed, some are active, and some have long-term monitoring being performed.

g. Mr. Cardon said five-year reviews are underway for the Tipton Airfield Parcel and the DOI parcel. He advised long-term monitoring of groundwater, as well as munitions and explosives of concern (MEC), are ongoing at the former Tipton Landfills 1, 2 and 3, along with a MEC sweep of the Little Patuxent River. Mr. Cardon stated Inactive Landfill 2 has not been transferred and has been retained by Fort Meade. He noted the five-year review at the DOI property includes the Ordnance Demolition Area and the Clean Fill Dump/Uncontrolled Waste Site. Mr. Cardon showed a map with the locations of the areas included in the five-year reviews.

h. Mr. Cardon reviewed the background of the Tipton site, noting the chemicals of concern are volatile organic compounds and metals. He said the decision on the soils at the site was that no further action was needed, however, long-term monitoring of the groundwater was needed. Mr. Cardon said the trends indicate that by 2018 the groundwater concentrations will be under the Maximum Contaminant Levels (MCLs), and the site will be able to be closed out after performing some well closures. Mr. Cardon said the second five-year review at the Tipton site was completed in 2011.

i. Mr. Cardon displayed a map showing a close-up view of the Tipton parcel and a map showing the location of groundwater monitoring wells.

j. Mr. Cardon summarized the various MEC surveys and removals that have been conducted. He stated all accessible areas at TAP were surveyed down to four feet below ground surface, except for the landfills, paved surfaces, or wetlands areas. He advised more than 1,900 ordnance items were removed, along with 33 tons of rubble debris. He noted annual visual inspections are conducted at each of the landfills to ensure the cover has not been compromised by animals or settling; an instrument-assisted MEC sweep is done every five years at Inactive Landfill 3.

k. Mr. Cardon discussed the annual MEC sweeps done at a portion of the Little Patuxent River. He showed a map of the area included in the MEC sweep and a photograph of the type of munition debris items typically found. He advised more items are typically found during years where there have been large storm events due to erosion.

l. Mr. Cardon next discussed the background of the Ordnance Demolition Area. He stated the site was operated from the 1960s to the 1980s. He said the chemicals of concern are low levels of volatile organic compounds, metals and explosives. Mr. Cardon advised the Record of Decision selected monitored natural attenuation for the groundwater, in addition to groundwater use restrictions and land use controls. He explained annual groundwater monitoring trends indicate concentrations should be below MCLs by 2020. Mr. Cardon showed

maps of the area which highlighted where the volatile organic compounds and explosives compounds are located.

m. Mr. Cardon next discussed the Clean Fill Dump site where there is also a five-year review underway. He advised this site received construction and residential debris from 1972 to 1985. He stated the remedy selected for this site was long-term monitoring of the groundwater and groundwater use controls. He noted the site is about 16 acres and includes an area called the Uncontrolled Waste Site where some historic, unauthorized dumping had occurred; most of the waste has been removed. Mr. Cardon said the chemicals of concerns at this site are chlorinated volatile organic compounds and metals. He explained that sampling is conducted annually, and concentration trends show levels should be below MCLs by 2028. He noted the second five-year review for this site was completed in 2011. Mr. Cardon displayed a map of the site and the location of groundwater monitoring wells.

n. Mr. Cardon advised the internal drafts of the five-year reviews are undergoing Army review; following resolution of Army comments, the drafts will be submitted to regulatory agencies and Anne Arundel County. He noted the Army also will be publishing a legal notice of a 30-day public comment period on the draft final documents so community members will also have the opportunity to comment. Mr. Cardon said any public comments will be incorporated into a final version which will be added to the Administrative Record. Mr. Cardon said he will keep the Board informed of the dates of the public comment period.

#### 8. Report Status Summary:

a. Mr. Butler introduced Ms. Erin McKinley of Sundance Consulting to give an update on the status of a number of reports.

b. Ms. McKinley stated there are limited new results to present, but many work plans and other documents are under development.

c. Ms. McKinley advised the monthly sampling at Nevada Avenue had changed to quarterly sampling with the most recent event having occurred earlier in the week. She stated the results would be reported at the July meeting.

d. Ms. McKinley noted the Site Management Plan is being updated and will be distributed to the Board when the revision is completed. Ms. McKinley displayed a map from the Site Management Plan showing the status of all the sites.

e. Ms. McKinley stated the Community Involvement Plan is being updated, and a presentation on the update will follow her presentation.

f. Ms. McKinley said five-year reviews similar to those discussed by Mr. Cardon are underway at the Former Pesticide Shop and the Former Mortar Range.

g. Ms. McKinley next discussed the ERMA 1 Contract which was awarded to CB&I. She displayed a list of documents being developed including workplans, a Quality Assurance Project Plan (QAPP), and a Feasibility Study. Ms. McKinley displayed an aerial photograph showing the location of the three sites—Former NIKE Site, Former Skeet Range, and the Defense Reutilization and Marketing Office.

h. Ms. McKinley reviewed work underway through the ERMA 2 contract which was awarded to PIKA/Arcadis. She noted the work includes 2015 Annual Reports for OU-4, Manor View, and the Pesticide Shop; a change in the groundwater sampling method from low flow to no purge subject to regulatory approval; a QAPP Addendum; and monthly operations and maintenance at the OU-4 treatment systems. Ms. McKinley displayed a map showing these sites.

i. Ms. McKinley summarized work being done by AECOM through the MAES contract. She stated the Proposed Plan for the Closed Sanitary Landfill is under legal review. Ms. McKinley advised no further action consensus letters for 21 Preliminary Assessment/Site Inspections sites are awaiting EPA approval. She stated AECOM submitted a QAPP on May 11. Ms. McKinley displayed maps showing the location of the sites under this contract. Ms. McKinley displayed a list of QAPP Addendums that have been distributed for review or will be distributed soon for work at Cell 3, the Architect of the Capitol, and the Closed Sanitary Landfill. Ms. McKinley displayed a map showing the location of the lead hot spot at the Architect of the Capitol that will be excavated in the early fall. She also showed aerial photographs of Cell 3.

#### 9. Update on Community Involvement Plan:

a. Mr. Butler introduced Ms. Krista O'Hara of Aerostar who is updating Fort Meade's Installation Restoration Program Community Involvement Plan.

b. Ms. O'Hara explained the purpose of a Community Involvement Plan is to facilitate communication between the Army and the community. She advised the last update of the plan was in 2013 and used information from interviews that were conducted a few years prior to that update. She stated new interviews were being conducted as communication methods have changed; for example, newspaper readership has declined so it is important to know how the community obtains information.

c. Ms. O'Hara stated the communities that are the focus of the interviews are within Anne Arundel County, primarily the town of Odenton, but community members from surrounding towns are also encouraged to provide input.

d. Ms. O'Hara displayed a list of sample questions being asked during the interviews which will help determine the knowledge and interest level of the community and their preferred communication methods. She stated the interviews will also collect information on community concerns.

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e. Ms. O'Hara stated she would be available after the meeting and invited community members to meet with her for a quick interview.

f. Mr. Butler asked if representatives from regulatory agencies will be interviewed, and Ms. O'Hara responded only community members are interviewed. Ms. Kellyann Few asked how many interviews are being conducted, and Ms. O'Hara responded a minimum of 25 interviews would be conducted.

10. Old Business:

Mr. George Knight showed a photograph from the previous meeting where Board members were recognized for their service. He also showed several photographs from Fort Meade's Earth Day celebration. He explained the Environmental Division had an interactive display at Earth Day which explained how rainwater becomes groundwater and how groundwater is extracted from a well. Mr. Knight advised the BRAC program also provided some recovered munitions debris for an interactive display. He stated both displays were well received by those who attended from the community.

11. Status of Community Membership:

Mr. Knight asked Mr. Tibbetts if there were any updates, and Mr. Tibbetts said he still needed to discuss with Mr. Madera. Mr. Knight said he would keep the topic on the agenda for the next meeting.

12. Open Discussion/New Business:

a. Mr. Butler invited Board members to let him or Mr. Knight know of any suggested topics for the next meeting.

b. The meeting was adjourned at 7:46 p.m.

MICHAEL P. BUTLER  
Chief, Environmental Division

CF:  
RAB MEMBERS