



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

January 21, 2016

MEMORANDUM FOR Restoration Advisory Board Members

SUBJECT: Minutes for the January 21, 2016 Restoration Advisory Board Meeting

1. The Restoration Advisory Board (RAB) meeting was held on January 21st, 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, March 17th, 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.
Ms. Kellyann Few, Community Member
Ms. Elisabeth Green, Maryland Department of the Environment
Mr. George Knight, Fort Meade Restoration Manager
Mr. Martin Madera, Alternate Community Co-Chair
Mr. Bob Stroud, U.S. Environmental Protection Agency

3. Members not present:

Mr. Rusty Bristow, Community Member
Mr. Wayne Dixon, Community Member
Mr. Harry Neal, Community Member
Mr. Fred Tutman, Community Member

4. Others present were:

Mr. Steve Cardon	Fort Meade-BRAC
Mr. Walt Chahanovich	Fort Meade-SJA
Mr. John Cherry	Arcadis
Ms. Katrina Harris	Bridge Consulting Corp.
Mr. Michael Hertz	EA Engineering
Ms. Christina Jedra	Capital Newspapers
Ms. Emily Justice	CB&I
Mr. Jerry Kashatus	AECOM

Ms. Erin McKinley	Fort Meade Environmental Office (contractor)
Mr. Tim Peck	U.S. Army Corps of Engineers
Mr. Keith Shepherd	Arcadis
Ms. Denise Tegtmeier	Fort Meade Environmental Office (contractor)

5. Announcements and Minutes:

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

b. Mr. Martin Madera made a motion to approve the November 19th, 2015 meeting minutes. The motion was seconded and unanimously adopted to approve the November 19th, 2015 minutes.

6. Old Business:

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

7. Environmental Remediation Multiple Award (ERMA) II Contract:

a. Mr. Butler introduced Mr. John Cherry of Arcadis, an Army contractor, to discuss the work included under a recently awarded contract through the U.S. Army Corps of Engineers to Arcadis.

b. Mr. Cherry stated the contract was awarded to Arcadis and PIKA who have formed a joint venture. He explained the contract is for remedial action operations and long-term management of sites Arcadis has been working on for some time. Mr. Cherry displayed a list of the sites: Operable Unit 04, Former Pesticide Shop, Former Manor View Dump, Former Mortar Range, and Inactive Landfill #2. He noted the contract also includes the Phoenix Military Reservation in Baltimore County. Mr. Cherry displayed a map showing the location of the sites. He advised the period of performance is from December 2015 to December 2020.

c. Mr. Cherry displayed a chart showing the activities to be conducted for each of the sites.

d. Mr. Cherry first discussed Inactive Landfill #2 which is located south of the Tipton Airfield. He stated a removal action was performed in the late 1990s, following by a Decision Document being signed in 1998. He said the Decision Document established land use controls the Army is required to maintain, such as maintaining the fence, posting warning signs, and conducting annual inspections.

e. Mr. Cherry next discussed the Former Pesticide Shop where a Record of Decision was signed in 2012. He said the remedial action was the excavation of soil which was completed and the site was restored for future use. Mr. Cherry said the site is now in the long-term

monitoring phase which includes groundwater sampling, annual land use control inspections, and reporting.

f. Mr. Cherry reviewed the activities at the Former Mortar Range, noting this site is in the long-term monitoring phase. He stated the Record of Decision was signed in 2012 where the Army agreed to excavate some anomalies, maintain institutional controls, install signs, develop an education program to be sure workers are aware of restrictions, conduct annual inspections, perform surface sweeps for unexploded ordnance, and report to the regulatory agencies.

g. Mr. Cherry next discussed the Manor View Former Dump, a site adjacent to Manor View Elementary School and military housing. He reminded the Board the site has been discussed at many meetings over the years. He noted methane had been detected, the site was investigated, a non-time critical removal action implemented to excavate more than 27,000 tons of waste materials, and the site restored. He explained current activities are long-term monitoring which includes maintenance and inspection of the soil cover, semi-annual groundwater monitoring, semi-annual soil gas and testing at the school, and reporting. Ms. Green asked if the military housing had been re-occupied, and Mr. Butler said the housing had been re-occupied about six months ago.

h. Mr. Cherry next discussed OU-4 and noted the Army is working to complete a remedial investigation and move forward to a decision document under a separate contract. He stated there are several source areas where volatile organic compounds have migrated into the groundwater. He reminded the Board a non-time critical removal action had been completed to install three groundwater remedies. He stated in-situ injections had been completed in the source area, an air sparge system installed in Building 2250, and a hydraulic containment system installed near the Closed Sanitary Landfill which has treated 139,000,000 gallons of water and re-injected the treated water back into the ground. Mr. Cherry said Arcadis will be continuing operations and maintenance of the treatment systems, groundwater monitoring activities and reporting. Mr. Butler asked Mr. Cherry to discuss Arcadis' response time to any actions that need to be taken with respect to the groundwater treatment systems. Mr. Cherry stated the treatment system is connected to an alarm system and if there are any issues, such as changes in pressure or leaks, Arcadis can troubleshoot remotely or make a quick visit to the site. Mr. Cherry said the system has been up and running 94% of the time over the last year. Mr. Butler asked how long the system will need to run, and Mr. Cherry said the Record of Decision calls for the system to run for decades.

9. Update on Manor View:

a. Mr. Cherry summarized the site history by noting there had been waste generating methane which had been excavated. He stated a methane monitoring program has been in place for many years at the Manor View Site. He noted there has been some fluctuations and exceedances of the lower explosive limit. He said since the excavation, semi-annual sampling has continued, and in 2015, there were no exceedances of the lower explosive limit. He displayed a map and pointed out the location where the waste was excavated and nearby military homes and the elementary school. He stated most of the samples were zero or non-detect, and

none were over five percent, which is a very positive trend. Mr. Cherry said the Army will continue to monitor.

b. Mr. Cherry reviewed the recent results from the indoor air sampling conducted at three locations (crawl space, inside a utility closet and outside a utility closet) in the elementary school. He advised in the crawl space the solvent, trichloroethene or TCE, was detected at 2.4 ug/mg³; the remedial goal is 1 ug/mg³; other detections of TCE were below the remedial goal. He noted the detections were lower than results from the 2014 sampling. Mr. Cherry said the Army will continue to monitor the air quality.

c. Mr. Cherry discussed the 2015 groundwater sampling. He advised there continues to be some fluctuations but overall the concentrations are declining. He noted there is one location near the treatment shed, in the middle of the landfill, where there continues to be a detection of vinyl chloride which exceeds the remedial goal; all other locations are below the remedial goal. He stated groundwater monitoring will continue, and a report will be prepared for stakeholder review.

10. Uniform Federal Policy for Quality Assurance Project Plans:

a. Mr. Butler introduced Mr. Jerry Kashatus of AECOM, a contractor to Fort Meade.

b. Mr. Kashatus stated he would be discussing the Uniform Federal Policy for Quality Assurance Project Plans (UFP-QAPP), a document that presents the approach for environmental remediation of a site; presents the locations, chemical analysis, and rationale for sample collection; presents the objectives for the investigation; and presents quality assurance/quality control procedures to follow in the field and in the laboratory to assure the highest quality data. He said the purpose of the QAPP is to follow standards written by the American National Standards Institute and the American Society for Quality. He advised to fulfill that purpose, a task force was created, the Intergovernmental Data Quality Task Force, made up of representatives from EPA, the Department of Defense, and the Department of Energy.

c. Mr. Kashatus displayed a QAPP AECOM had prepared under their most recent contract. He stated such a plan is required by the Department of Defense guidance, and EPA's intent is that the QAPP be the premier planning document for an entire project.

d. Mr. Kashatus displayed a list of traditional planning documents which includes work plans, field sampling plans, QAPPs, and health and safety plans. He summarized the components of the traditional work plan, QAPP and field sampling plan and explained the UFP-QAPP incorporates all these components into one document. He stated the UFP-QAPP provides more consistency, as worksheets included in the document are the same for all projects.

e. Mr. Kashatus displayed a list of the worksheets as grouped into four categories: general site information, field work quality control, chemistry QA/QC, and field work.

f. Mr. Kashatus stated an internal draft of a UFP-QAPP has been prepared for the Supplemental Site Investigation and Remedial Investigation/Feasibility Study Sites, and the draft will be distributed for review in late winter. He displayed a list of QAPP Addendum that will be prepared for Cell 3, Architect of the Capitol, and the Closed Sanitary Landfill.

g. Mr. George Knight added that since Board members are going to begin seeing UFP-QAPPs, he wanted everyone to have an overview of the document.

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 said the next sampling event will be in February so there will be an update at the next meeting.

11. Open Discussion/New Business:

a. Ms. Tegtmeyer discussed the status of Fort Meade's GIS which had been of interest to a previous Board member. She said some of the GIS layers can be shared with the public, and those had been provided to the previous Board member. She said the information can be shared with anyone else who is interested; however, the Army does not have the resources to manipulate the data beyond the documents that are provided. Ms. Erin McKinley added that the Site Management Plan and a groundwater plume map had been moved on the Fort Meade web site to be more visible.

b. Mr. Knight discussed a section of the Board's charter which states if a community member does not attend 50 percent of meetings, their membership can be terminated. Mr. Knight said there are several community members who have not been attending meetings, but are still being sent documents. Mr. Tibbetts and Mr. Madera agreed to contact community members who have not been attending meetings and determine if they are still interested in remaining as members.

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

d. The meeting was adjourned at 8:01 p.m.

MICHAEL P. BUTLER
Chief, Environmental Division

CF:
RAB MEMBERS