



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

IMND-MEA-PWE

March 20, 2015

MEMORANDUM FOR Restoration Advisory Board Members

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

1. The Restoration Advisory Board (RAB) meeting was held on March 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, May 21st, 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
Ms. Kellyann Few, Community Member
Mr. George Knight, Fort Meade Restoration Manager
Mr. Martin Madera, Alternate Community Co-Chair
Mr. Bob Stroud for Mr. John Burchette, U.S. Environmental Protection Agency
Mr. David Tibbetts, Community Co-Chair
Mr. Brian Chew for Ms. Kerry Topovski, Anne Arundel County Health Dept.

3. Members not present:

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

4. Others present were:

Mr. Ola Awosika	Parsons
Mr. Steve Cardon	Fort Meade BRAC (contractor)
Mr. John Cherry	ARCADIS
Mr. Bob Culbertson	CBI
Mr. Paul Giller	Plexus Scientific
Ms. Elisabeth Green	Maryland Department of the Environment
Ms. Katrina Harris	Bridge Consulting Corp.
Mr. Jerry Kashatus	URS/AECOM
Mr. Mark Magness	CBI

Ms. Erin McKinley	Fort Meade Environmental Office (contractor)
Mr. Ayo Omololu	CECOM
Ms. Dijon Rolle	Fort Meade Public Affairs Office
Mr. Keith Shepherd	ARCADIS
Ms. Denise Tegtmeyer	Fort Meade Environmental Office (contractor)
Mr. John Vail	CBI

5. Announcements and Minutes:

a. Mr. Mick Butler welcomed everyone, and Mr. Tibbetts called the meeting to order. Mr. Butler invited all present to introduce themselves and sign in.

b. Mr. Tibbetts made a motion to approve the January 15th, 2015, meeting minutes. The motion was seconded and unanimously adopted to approve the January 15th, 2015, minutes.

6. Old Business:

Mr. Butler stated there was no old business or outstanding items, and the Board concurred.

7. Overview of Site-Wide Operation & Maintenance and Long-Term Monitoring Contract:

a. Mr. Butler introduced Mr. John Cherry of ARCADIS, an Army contractor.

b. Mr. Cherry reviewed the key topics in his presentation including a list of the sites included in the contract which are in the long-term monitoring or remedial action phase and activities and progress that have occurred in the last quarter.

c. Mr. Cherry explained ARCADIS had teamed with PIKA on this contract, which is a short-term (six month) contract put in place while the Army solicits bids for longer-term contracts. He stated the contract began January 1, 2015, and will run through June with reporting continuing until September. Mr. Cherry noted the sites included in the contract are the three areas at Operable Unit 4, the Former Pesticide Shop, the Closed Sanitary Landfill, and the Manor View Dump Site.

d. Mr. Cherry displayed a map showing the location of the three active remedy areas at Operable Unit 4. He first discussed Area of Concern 1 where source treatment using in-situ chemical oxidation is underway. He reminded the Board the remedial investigation had identified some areas of groundwater with elevated levels of solvents which led to a non-time critical removal action and the interim remedy. Mr. Cherry advised the first injection had occurred in 2014, followed by groundwater monitoring, and a second injection is currently being implemented. He stated the initial results have been very good, with over 90% reduction. He advised there had been a small amount of rebound which was expected. Mr. Cherry displayed several graphs showing the results from different wells where contaminant levels have declined

substantially. He noted the second injection will not be done at wells where the levels are now very low.

e. Mr. Cherry discussed the Area of Concern 2 air sparge/soil vapor extraction system which has been installed behind the former Post Laundry Facility. He explained this type of treatment blows air into the groundwater through a series of wells and strips out the volatile organic compounds; soil vapor is pulled from beneath the building slab, as well as from an area where there has been historically very high concentrations of tetrachloroethylene (PCE) in the groundwater. He advised the system began operating in 2014 and initially some higher levels of PCE were detected. He displayed several charts showing the monitoring results and noted there continues to be some spikes in the concentrations, but reductions are anticipated with continued operation. He explained the treatment is most likely mobilizing the contamination mass which has been bound up in the sub-surface. Mr. Butler asked if the spike is a result of the breakdown of TCE. Mr. Cherry responded almost all the contamination is PCE and not a result of breakdown.

f. Mr. Cherry reviewed activities at Area of Concern 3 where a hydraulic containment system has been installed to treat groundwater in the Lower Patapsco Aquifer. He pointed out the line of six extraction wells just south of Route 32 which are being pumped at the rate of 30 gallons per minute. He showed the location of the building where the water is treated, and then the clean water is re-injected through four wells. He advised the system has been operating for about a year, and about 80 million gallons of water have been treated and re-injected. He noted another round of sampling will be conducted soon, so there is no new data at this time. He reminded the Board this is a long-term system designed to capture the groundwater that is moving from the known upgradient source areas as well as the residual contamination in the groundwater plume. He noted modeling predicts a clean water front will reach the Fort Meade boundary within 10 years. Mr. Butler asked for further clarification of the predicted 10-year timeframe. Mr. Cherry responded by stating the levels of PCE are in the tens of parts per billion to the hundreds parts per billion which are fairly low. He explained modeling shows it will take about 10 years for the re-injected clean water front to start to move through the area and reach the property boundary. Mr. Cherry said it does not mean the system will need to operate for 10 years, but it is an estimate of when the clean water front will reach the property boundary. He reminded the Board that the source areas are also being cleaned up.

8. 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 an aerial photograph showing the study area. She discussed a table and chart showing monitoring results from the last 12 months through February 2015. She stated the results for the last two months are around 1.3 to 1.4 parts per billion. She noted the sampling and provision of bottled water will continue for these houses, as well as the houses in the Odenton area.

c. Ms. Tegtmeier said the project report is now final, and the conclusion of the report is the source of the PCE is undetermined; more investigation is needed to definitively determine if the Army is the source. She noted there are some potential Fort Meade sources upgradient as well as some potential commercial properties which could be sources. Mr. Butler asked if the report referenced the State Highway Administration future work, and Ms. Tegtmeier responded the report did not contain this information. She advised the State will be widening Route 175 and will be drilling some borings. She noted there are some wells that supply those commercial properties where there have been some detections, along with detections at the wells on the County right-of-ways. She noted the Army will be working with the State as the State collects new data.

9. Community Involvement Plan and Web Site Updates:

a. Mr. Butler introduced Ms. Erin McKinley of Sundance Consulting.

b. Ms. McKinley advised Fort Meade will be updating the Community Involvement Plan. She noted a draft will be issued in the next few weeks, and comments are encouraged as the audience is the community.

c. Ms. McKinley reviewed the purposes of the Community Involvement Plan noting it helps the community to understand the Superfund cleanup process; how, when and where site-related information will be provided; how the public can participate; and, ways in which public input is taken into consideration during decisions. She noted a Plan has been in existence for some time and has been periodically updated. She noted the current revision will streamline the plan, so it is easier for the community to read.

d. Ms. McKinley discussed the contents of the Plan which includes a description of the installation, site history, community profile/demographics/local government structure, community concerns, communication methods (which newspapers are used and where meetings are held), and contact lists.

e. Ms. McKinley reviewed some of the ongoing community involvement activities such as points of contact and lists of stakeholders, meetings, advertisements of meetings, and occasional news stories in the installation newspaper, The Soundoff. Ms. McKinley displayed a map showing the areas covered by the newspapers used for advertising public meetings and placing public notices.

f. Ms. McKinley advised the Board will be emailed the document when it is revised, and comments are encouraged. She particularly invited comments or updates on the list of community groups contained in the Plan.

g. Ms. McKinley advised the Public Affairs Office operates a web site, Twitter account, and Facebook page which is monitored for public comments on environmental issues; environmental announcements are also made through these mechanisms. She stated the web site is updated continuously. Ms. McKinley gave a demonstration of how to access the web site and

the environmental pages. She reviewed the Restoration Advisory Board page which contains minutes, agendas, and presentations. She also reviewed the information which is being updated for the different cleanup sites. Ms. McKinley advised for some documents the appendices have been deleted to minimize the file size, but the full document is available at the library or Fort Meade's Environmental Division Office. Mr. Tibbetts asked for Fort Meade's Twitter account; it is #ftmeademd.

10. Open Discussion/New Business:

a. Mr. Butler asked the Board if they would like to try and move the May meeting in light of it being just before the Memorial Day weekend. The Board agreed to keep the original meeting date of May 21.

b. Mr. Butler introduced Mr. Ayo Omololu from US Army CECOM. Mr. Omololu stated he is a doctoral candidate at the University of Baltimore and his dissertation is on how public participation is utilized in government decision making. He advised he is looking at two Army bases and their public participation programs, Aberdeen Proving Ground and Fort Meade. He asked Board members for their help by participating in a short interview process. He stated he would send an email with his contact information and could meet in person or by phone. Mr. Omololu thanked the Board for allowing him to attend and speak at the meeting.

d. The meeting was adjourned at 8:02 p.m.

MICHAEL P. BUTLER
Chief, Environmental Division

CF:
RAB MEMBERS
FGGM GARRISON COMMANDER
PUBLIC AFFAIRS OFFICE