



REPLY TO  
ATTENTION OF:

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

February 7, 2013

MEMORANDUM FOR Restoration Advisory Board Members

SUBJECT: Minutes for the January 17, 2013, Restoration Advisory Board Meeting

1. The Restoration Advisory Board (RAB) meeting was held on January 17, 2013, at 7:00 p.m. at the Captain John Smathers Army Reserve Center, Hwy 175, Fort Meade, Maryland. The next RAB meeting will be **Thursday, March 21, 7 p.m.**, at the Captain John Smathers Army Reserve Center.

2. The following RAB members were present:

Mr. John Burchette, U.S. Environmental Protection Agency  
Mr. Mick Butler, Fort Meade Co-Chair  
Mr. Wayne Dixon, Community Member  
Mr. Paul Fluck, Fort Meade Restoration Manager  
Mr. Martin Madera, Community Member  
Mr. Harry Neal, Community Member  
Mr. Kurt Riegel, Community Member  
Mr. David Tibbetts, Community Co-Chair  
Ms. Kerry Topovski, Anne Arundel County

3. Members not present:

Mr. Tim Berkoff, Community Member  
Mr. Rusty Bristow, Community Member  
Ms. Laurie Haines, Army Environmental Command  
Ms. Ivana Maksimovic, Community Member  
Mr. Howard Nicholson, Community Member  
Mr. Fred Tutman, Community Member

4. Others present were:

Mr. Steve Cardon	Fort Meade BRAC Office (Versar)
Mr. Walt Chanonovich	Fort Meade, Office of the Staff Judge Advocate
Mr. John Cherry	ARCADIS
Mr. Tom Crone	ARCADIS
Ms. Sarah Gettier	URS
Ms. Elisabeth Green	Maryland Department of the Environment

Ms. Katrina Harris  
Mr. George Knight  
Ms. Denise Tegtmeyer

Bridge Consulting Corp.  
Fort Meade Environmental Division  
Fort Meade Environmental Division (Versar)

5. Announcements and Minutes:

a. Mr. Paul Fluck welcomed everyone. Mr. David Tibbetts called the meeting to order. Mr. Fluck invited all present to introduce themselves.

b. Mr. Fluck reminded everyone of the importance of signing out and the location of restrooms and exit doors. Mr. Fluck thanked the Reserves for providing meeting room space. He solicited input on the meeting room, and all agreed it was a better location. Mr. Tibbetts commented that the availability of Internet access made it possible for the Board members to use their own tools and increase the level of involvement of the community members, and he appreciated the improvement in meeting room accommodations. Mr. Fluck stated it would be important to pay attention to the room number in future meeting announcements as the room may change.

c. Mr. Fluck made a motion to approve the November 15, 2012, meeting minutes. The motion was seconded and unanimously adopted to approve the November 15, 2012, minutes.

d. Mr. Fluck advised the Fort Meade Environmental Division had moved its offices to 4215 Roberts Avenue, Wing C, Room 320.

6. Outstanding Items:

a. Mr. Fluck stated an outstanding item is the desire of the Board to increase community membership, particularly from underrepresented areas near Fort Meade such as Laurel. He advised he is working with Fort Meade's Public Affairs Office on this item. He stated one action to be taken is to change the news release issued prior to each Board meeting to contain information about membership opportunities. He advised he is awaiting a full plan from the Public Affairs Office and anticipates being able to provide a more detailed report at the March meeting. Mr. Tibbetts concurred with Mr. Fluck's approach. Mr. Tibbetts added that he hoped new members from Laurel and Maryland City would increase the Board's diversity. Mr. Wayne Dixon suggested contacting the County Executive's office regarding potential Laurel residents who might be interested in membership by contacting civic associations and homeowner groups. Mr. Tibbetts stated he would contact the President of the Maryland City association.

b. Mr. Fluck stated a second outstanding item is the discussion Mr. Tim Berkoff initiated regarding enhancing the ability of community members to better visualize Fort Meade's environmental sites. Mr. Fluck said the Army has been working with Mr. Berkoff to find a way to get the information to him, and Mr. Berkoff has completed paperwork necessary for the Army to provide the information. Mr. Fluck said most of the information requested has been compiled as requested by Mr. Berkoff. He noted what has not yet been compiled are

monitoring well locations and jurisdictional wetlands. Mr. Fluck stated wetlands surveys are underway so this information will be delayed until the surveys are completed; existing wetlands information will be provided. Mr. Fluck emphasized the last two data elements are not restricted, and the information will be made available as soon as possible. Mr. Fluck said the last step in the process is for someone to sign a waiver with a hold harmless clause as to the use of the data, and Mr. Berkoff has asked for a volunteer from among the community Board members to complete the waiver on his behalf. Mr. Tibbetts said he would be willing to review the form and possibly sign the form, and Mr. Fluck said he would provide Mr. Tibbetts with the form.

c. Mr. Fluck discussed the need for a procedure to be in place in the event of inclement weather on the day of a Board meeting. Mr. Fluck proposed that the Garrison's policy be followed which can be viewed on the Fort Meade web site and through the Adverse Weather Condition phone line. He stated both these methods would provide information on the Garrison's operational status, and anything other than "normal" status would postpone the meeting. Mr. Fluck stated members could also call him or Mr. Butler. Mr. Fluck said if a meeting is cancelled, he would anticipate speaking the next day to the community co-chair to discuss re-scheduling the meeting in the immediate future or waiting until the next scheduled meeting date. Mr. Fluck asked if this approach sounded reasonable, and Board members agreed to this approach.

7. Operable Unit 4, Lower Patapsco Aquifer Investigation:

a. Mr. Fluck introduced Mr. John Cherry of ARCADIS.

b. Mr. Cherry said the project is now at the point where off-post drilling is ready to begin in the Odenton area. Mr. Cherry reminded the Board Operable Unit (OU) 4 is the southeast industrial corner of Fort Meade. He reviewed the three main topics of his presentation: the off-post drilling start-up, the drilling and sampling methodology, and the drilling locations and temporary road closures.

c. Mr. Cherry displayed a map showing the location of OU 4 and surrounding features and the Odenton area where the drilling will occur. He stated three locations have been approved, and two additional locations are contingent on findings from the first three locations.

d. Mr. Cherry reminded the Board that two off-site monitoring wells in the Lower Patapsco Aquifer (MW-125d and MW-126d) had shown contamination a number of years ago and resulted in the extensive off-site private well survey which had been discussed at numerous Board meetings. He stated numerous private wells were sampled, and no residential wells were found with concentrations above the drinking water standards (in the vicinity of MW-125d and MW-126d). Mr. Cherry said a number of borings and deep monitoring wells had been installed on Fort Meade to help define the lateral and vertical extent of the contamination and to determine where to drill off-post to delineate the full downgradient extent of the contaminant plume. Mr. Cherry emphasized the location of the additional wells are based on the current understanding of

where the contaminant plume might be heading and not due to any suspected residential well contamination.

e. Mr. Tibbetts asked how this work relates to the Engineering Evaluation/Cost Analysis document the Board recently received for review. Mr. Cherry responded the draft Engineering Evaluation/Cost Analysis evaluates remedial approaches that are being proposed for known source areas.

f. Mr. Cherry noted the work is scheduled to begin on February 11, 2013. He stated the rotonic drilling approach will be used as it allows for vertical profiling including collecting groundwater samples while drilling to allow assessment of groundwater concentrations at depth and to target monitoring wells in zones where there are higher concentrations. Mr. Cherry said regular communication will be maintained with EPA and Maryland Department of the Environment during the drilling, so they have input into field decisions and the location of permanent monitoring wells. He advised all the drilling locations are on Anne Arundel County property, and all agreements and permits are now in place with the County to allow the work to proceed. Mr. Cherry stated the drilling will take approximately 12 days in each location. He also stated fact sheets, maps, and a cover letter will be delivered by hand in the neighborhoods around each of the drilling sites.

g. Mr. Cherry next discussed the drilling process. He stated the drilling would proceed through the shallow aquifers and the Mid-Patapsco Clay which also outcrops on Fort Meade. He said the depth to the Lower Patapsco Aquifer could be 150 to 200 feet and drilling would proceed through the entire depth of the Lower Patapsco Aquifer to the Arundel Clay, so the contamination can be vertically assessed through the whole zone. Mr. Cherry showed pictures of the sections of soil that are obtained through the rotonic drilling process which enables the geologists to clearly log the site geology and to be able to easily distinguish between sands and clays. In response to a question, he stated the diameter of the core samples is approximately four inches. Mr. Cherry explained that groundwater samples will also be collected during the drilling and submitted to a laboratory for analysis on a very quick turnaround basis, so data will be received the next day. He stated the groundwater samples will be collected approximately every 20 feet. He advised while soil samples are not being collected, the soil will be scanned to determine if there are any with higher vapor concentrations or soil with contamination. Mr. Cherry said permanent flush-mount monitoring wells will be installed at the completion of the drilling and will target the areas with the highest concentrations.

h. Mr. Cherry discussed the first drilling location, Dopeco Court. He advised this location would only require a single-lane closure. He also advised the drill rig would be left in place for the duration of the drilling.

i. Mr. Cherry advised the second location is Division Road. He stated the road will need to be completely blocked off and traffic detoured.

j. Mr. Cherry discussed the third location, Bruce Avenue. He noted Bruce Avenue is the busiest road of the three locations, and the entire narrow road needs to be closed during the

drilling, so the drill rig can remain in place. In response to a question, Mr. Cherry stated one location at a time would be drilled, starting with Dopeco, then Division, and then Bruce Avenue. He stated no work would be done on County holidays or weekends.

k. Ms. Topovski stated this work will give the County a better understanding of the conditions in the Lower Patapsco Aquifer as more residential wells are starting to be drilled in this aquifer. She stated her office can also be a conduit for information about the work as residents may call with questions. She asked about additional fact sheets, and Mr. Fluck said all the fact sheets are on Fort Meade's environmental web site ([www.ftmeade.army.mil](http://www.ftmeade.army.mil); click on Environmental Programs). In response to a question from Mr. Fluck, Ms. Topovski noted it would be a good idea for Fort Meade to also contact the County Councilman for the area. Mr. Harry Neal noted the Odenton Patch is also a good vehicle for reaching the community. Mr. Fluck said a news release will be issued prior to the work beginning.

l. Mr. Butler asked about the possibility of visitors observing the drilling. Mr. Cherry said a visit for the Board's community members would gladly be arranged. He noted the Division Road location might be the best location for viewing the work and technology. Mr. Fluck said he would notify community members when the timing for the Division Road work is known and coordinate a visit. Mr. Cherry estimated the work will occur during the week of February 25, but he will notify Mr. Fluck of possible days for a visit as the work progresses. Mr. Kurt Riegel asked about the possibility of a few of his college students participating in such a visit; and Mr. Fluck said he had no objection to their participation, but he would need careful coordination with Mr. Riegel.

#### 8. Manor View Dump Site Update:

a. Mr. Fluck introduced Mr. Tom Crone of ARCADIS to provide an update on the removal action and recent monitoring.

b. Mr. Crone displayed an aerial photograph of the site showing recent monitoring results. He noted the figure had been changed to eliminate any locations which had no detections of methane for a number of monitoring events. He noted these monitoring points are highlighted in green on the figure. He stated methane was not detected at levels which exceeded the lower explosive limit at any of the monitoring points, and some of the detections are at 1,000 which is just within the range of the instrument and thus very low detections.

c. Mr. Crone zoomed in on VMP-30 and VMP-31. He stated VMP-30 has been measured at 10 to 15 percent of the lower explosive limit which is five percent. He noted investigations continue as to why methane is being detected at these two points. He said the most likely source, the landfill, has been eliminated. He said the next step was to do test pits and further excavation which occurred, and there still have been detections of methane. Mr. Crone discussed a meeting with BGE in early January and a previously unknown gas line in the area. He advised BGE collected a sample to analyze for ethane, an additive BGE places in its gas; however, the methane concentration was lower on the date of the sampling at 3.7%. Mr. Crone said BGE's ethane test was inconclusive and will be repeated when methane levels are higher.

Mr. Crone stated BGE plans to do some test pits in the area of the previously unknown gas line so they can gather more information about its depth and construction.

d. Mr. Riegel asked if BGE's analysis for ethane was more sensitive than analysis for mercaptan which is also added to gas. Mr. Fluck stated ethane is an exclusive additive to BGE's gas while other gas companies may use another compound(s) which is the reason it was chosen for analysis. Mr. Crone stated while a mercaptan odor was detected in the field, field instruments could not detect it.

e. Mr. John Burchette asked about the possibility of cutting the gas supply to the nearby homes since they are unoccupied. Mr. Crone responded there is no valve that allows that to happen. He also stated BGE is exploring the possibility of pinching off a line when the weather is warmer so pipes in the house do not freeze.

9. Update on the Nevada Avenue Project:

a. Mr. Fluck introduced Ms. Denise Tegtmeyer of Fort Meade.

b. Ms. Tegtmeyer displayed the most recent sampling data, noting the January sampling event will be conducted the following week. She stated there have been no significant changes. Ms. Tegtmeyer said the same three houses will be sampled for the next year. She advised an agreement to drill wells on Nevada Avenue and two other adjacent streets had just been submitted to the County, and those wells should be installed shortly. Ms. Tegtmeyer showed the location of the proposed new wells. Mr. Tibbetts asked if a graph of the data could be provided for the next meeting, and Ms. Tegtmeyer responded she would prepare such a graph.

10. Open Discussion/New Business:

a. Mr. Fluck invited Board members to contact him with potential topics for the next meeting.

b. Mr. Tibbetts stated he had emailed Mr. Fluck for distribution information from Lenny Siegel about the 2013 EPA Forum for Vapor Intrusion and the ability to participate by way of a webinar. Mr. Tibbetts encouraged Board members to join Mr. Siegel's lists and participate in the forum.

c. The meeting was adjourned at 9:18 p.m.



For

MICHAEL P. BUTLER  
Chief, Environmental Division

CF:  
RAB MEMBERS  
FGGM GARRISON COMMANDER  
PUBLIC AFFAIRS OFFICE