



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

REPLY TO
ATTENTION OF:

IMND-MEA-PWE

July 10, 2012

MEMORANDUM FOR Restoration Advisory Board Members

SUBJECT: Minutes for the May 17, 2012 Restoration Advisory Board Meeting

1. The Restoration Advisory Board (RAB) meeting was held on May 17th, 2012, at 7 p.m. at the Captain John Smathers Army Reserve Center, Hwy 175, Fort Meade, Maryland. The next RAB meeting will be **Thursday, July 19th, 7:30 p.m.**, at the Captain John Smathers Army Reserve Center.

2. The following RAB members were present:

Mr. Tim Berkoff, Community Member
Mr. Rusty Bristow, Community Member
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. Fred Tutman, Community Member

3. Members not present:

Mr. John Burchette, U.S. Environmental Protection Agency
Ms. Laurie Haines, Army Environmental Command
Ms. Ivana Maksimovic, Community Member
Mr. Howard Nicholson, Community Member
Mr. Kurt Riegel, Community Member
Mr. David Tibbetts, Community Co-Chair
Ms. Kerry Topovski, Anne Arundel County

4. Others present were:

Mr. Walt Chahanovich	Fort Meade Office of the Staff Judge Advocate
Mr. Tom Crone	ARCADIS
Ms. Elisabeth Green	Maryland Department of the Environment
Ms. Katrina Harris	Bridge Consulting Corp.
Mr. Bill Hudson	U.S. Environmental Protection Agency
Ms. Lisa Nickerson	Bridge Consulting Corp.

Mr. Dan Sheehan
Ms. Denise Tegtmeier
Mr. Bob White

ARCADIS/Malcolm Pirnie
Fort Meade Environmental Division
ARCADIS

5. Announcements and Minutes:

a. Mr. Mick Butler called the meeting to order and welcomed everyone. He stated Mr. Dave Tibbetts and Ms. Kerry Topovski had advised they could not attend the meeting. Mr. Butler then turned the meeting over to Mr. Paul Fluck who invited all present to introduce themselves. Mr. Fluck reviewed the main topics and presentations on the agenda.

b. Mr. Fluck reminded everyone of the importance of signing out and the location of restrooms and exit doors.

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

6. Outstanding Items:

a. Mr. Fluck stated the environmental web site has been moved to www.ftmeade.army.mil; he gave instructions to click on “Environmental Programs” on the left and then “RAB.” He noted the same series of operations as previously provided are available. He encouraged everyone to use the web site as a venue for learning more about Fort Meade’s cleanup programs and Restoration Advisory Board.

b. Mr. Fluck advised Board meeting minutes, agendas, and presentations are in the process of being added to the web site. Mr. Fluck credited Mr. Butler for working with Fort Meade’s technology staff to transfer the information to the new site.

7. Fort Meade Historical Training Operations:

a. Mr. Fluck introduced two historic video clips of training conducted at Fort Meade during World War II. He stated the clips provided a look at why some of the environmental problems of today exist. Mr. Fluck said there were an enormous number of vehicles at Fort Meade during World War II, hence, the numerous motor pool shops in operation during that time period. He stated actions taken at the time were normal and appropriate for that time period, but the consequences of routine upkeep and repair of the equipment resulted in the environmental issues being dealt with today. Mr. Fluck then asked for the video clips to be shown.

b. Video clips entitled “Light Tanks Show Their Prowess in Battle Maneuvers” and “Light Tank Division Maneuvers” were shown.

c. Mr. Fluck commented that the video clips demonstrate why munitions sweeps have been conducted on the property transferred south of Route 32, and also why such a large number of motor pools existed as the equipment required a high level of ongoing maintenance.

8. Manor View Dump Site, Methane Generating Waste Removal Action:

a. Mr. Fluck noted Mr. Tom Crone of ARCADIS would be providing an update on the removal action. He stated the table to the side contained a display of some of the artifacts found during the removal action and invited everyone to look at the artifacts after the meeting.

b. Mr. Crone advised his presentation would look at the excavation conducted to date and would include pictures of the work performed.

c. Mr. Crone showed an aerial photograph of the site, noting of the 10-acre dump site approximately one-acre had been identified as containing waste which was generating methane. He explained the interim recovery system had been addressing the methane while plans were developed for excavating the waste.

d. Mr. Crone reminded the Board the removal action had three major phases. He said the first was site control which included setting up fencing and establishing various controls to ensure the site was prepared and safe. He said the site control phase began on February 13 and continued over five weeks. Mr. Crone advised the action was currently in the second phase of excavation, transportation, disposal, and backfill. He stated they had estimated this phase taking about nine weeks. He said they are now entering the ninth week and expect to be finished this phase the following week. Mr. Crone said the final phase, site restoration, would begin around May 28 and end in June. He said during the last phase the site would be graded and seeded. Mr. Crone added that continuous air monitoring was being conducted during the work, along with various traffic controls.

e. Mr. Crone reviewed the project status, noting 9,130 tons of waste had been removed which was approximately 418 trucks. Mr. Crone showed a photograph of the area where the waste had been removed until clean sands and soil were encountered. He advised the excavation had been extended slightly further north in order to remove all the waste. Mr. Crone also pointed out the remaining area to be excavated; he stated it is near a swale so they wanted to ensure the area would be stable in the event of overnight rain.

f. Mr. Crone next showed a series of photographs of work at the site. He showed the entrance on 2nd Corps Boulevard, noting the safety fencing around the outer perimeter and the chain link fencing around the inner perimeter. Mr. Crone also showed the access road that was widened during the site control phase to allow the trucks removing the waste to enter and exit the site. Mr. Crone showed photographs of the site during the initial site preparation phase and of the current conditions with a large portion of the site having been excavated to 15 feet below the original grade and then backfilled.

g. Mr. Crone displayed a series of photographs of the waste excavation and overburden management. He reminded the Board there is approximately eight feet of overburden soil on top of the waste which needs to be removed in order to excavate the waste underneath. He stated the

overburden soil is removed and stockpiled on site until the waste has been excavated down to a clean clay layer. He pointed out the visibly noticeable layers of sand above and below the waste.

h. Mr. Crone showed a short video of the excavation work. He explained that each area of the site was unique, and the placement and nature of the waste also varied.

i. Mr. Crone reminded the Board of the Cultural Resources Plan prepared in case anything found needed to be preserved. He showed a list of some of the items found, including three dog tags, miscellaneous bottles, hospital dishes, mess kits, and canteens. Mr. Crone advised a plan was also developed in the event unexploded ordnance was found, but no munitions debris or materials presenting any explosive hazard had been found to date. He stated trained personnel are on site to watch for these types of items. Mr. Crone noted contingency plans also addressed the potential for asbestos containing material or drums to be found, but none have been excavated to date.

j. Mr. Crone reviewed the air monitoring being conducted in real-time during the excavation to monitor for volatile organic compounds and dust particulates. He showed a picture of the monitoring equipment which is housed and connected to communication equipment. He explained sampling is conducted at the location of the work, as well as the perimeter. Mr. Crone stated monitoring is also done on a periodic basis (three times at four locations) throughout the day for odor, methane, and noise; and no action levels have been exceeded. He stated monitoring results are presented to the Army on a weekly basis. He reviewed a chart showing the daily results for odor, methane, and noise and explained the readings.

k. Mr. Crone stated community outreach continues to be an important part of the project as it has been since before the field work started. He reviewed some of the activities including presentations at previous Board meetings and meetings at the Manor View Elementary School. He noted there have also been newspaper articles, Facebook updates, and fact sheets.

l. Mr. Crone summarized by stating the project is close to being finished with the goal being to complete the work by mid-June. He stated a report will be prepared, and there will be post-removal monitoring to check site conditions.

m. Mr. Wayne Dixon asked if the equipment operators performing the excavation wear personal protective equipment. Mr. Crone responded there is a worker protection program in place which includes monitoring inside the equipment cab as well as air monitoring at the site. Mr. Crone advised there have been no exceedances of worker protection action levels. In response to a question from Mr. Fluck, Mr. Crone said there have been no incidents or injuries.

n. Mr. Tm Berkoff asked what would occur if the excavation reached what was anticipated to be the limits of disturbance but it appeared residual material remained. Mr. Crone said the Army would work with the regulators to look at site conditions and possibly look at another phase of work. Mr. Crone explained there are monitoring points within 20 feet of the limits of disturbance, and routinely these points are at zero for methane detection which makes them fairly comfortable with the limits of disturbance. Mr. Crone said nothing would be definite

until they reach the limits of disturbance. Mr. Fluck added that the groundwater monitoring wells around the site have shown decreasing levels of volatile organic compounds. Mr. Crone noted the excavation is about 15 feet below ground surface, and groundwater is at 40 to 50 feet below ground surface.

o. Mr. Berkoff asked if the interim report would be made available to the Board, and Ms. Denise Tegtmeyer stated a copy of all draft final reports are made available to the Board.

p. Ms. Greene asked if the depth of the waste is consistent with the assumptions during the planning phase, and Mr. Crone responded that it has been consistent. He added that what has not been consistent has been the thickness of the waste.

q. Mr. Dixon asked about the number of truckloads being transported per day and if the trucks needed to be decontaminated before they leave the site. Mr. Bob White stated the number of trucks per day has ranged from 30 to 50. He stated the trucks never leave the access road, so there is no need for decontamination. The trucks are lined with plastic before being loaded and also park on plastic sheeting while being loaded. Mr. Crone stated only a few trucks are staged on the access road at one time.

9. Update on the Manor View Site Recovery System:

a. Mr. Crone showed the most recent methane readings and noted they are all zero or not sampled with a couple exceptions. He stated the concentrations of 1,000 parts per million (ppm) to 2,000 ppm are within the detection limits of the instrument, and any detections of 3,000 ppm to 5,000 ppm could actually be zero or methane might be present at very low concentrations. He reminded the Board that 50,000 ppm is the lower explosive limit for methane.

b. Mr. Crone said some monitoring points have been removed because of the excavation, specifically the points where the highest concentrations were detected. Mr. Crone explained some monitoring points on the figure were not sampled because the figure shows five consecutive days of sampling instead of the four weeks typically shown. He continued explaining the Work Plan calls for daily monitoring at points with 5,000 ppm or greater, and this level was triggered early in the project. He said weekly monitoring that the Board has been briefed on for several years continues to find zero concentrations around the entire perimeter and decreasing concentrations now that the excavation is progressing.

10. Update on the Odenton Groundwater Contamination Interim Measures Project:

a. Mr. Fluck introduced Mr. Dan Sheehan of ARCADIS/Malcolm Pirnie.

b. Mr. Sheehan showed a map of the study area and noted the investigation is now focused on the Nevada Avenue area. He showed a summary of the monthly sampling conducted at residents' homes on Nevada Avenue over the past 12 months, noting the levels are staying about the same. He also showed a chart of the sampling results for tetrachloroethene (PCE). He

explained there had been one exceedance of PCE at the beginning of the project, but the levels have been decreasing.

c. Mr. Sheehan reviewed the next steps in the project and stated the Work Plan was approved in August 2011, and work continues on obtaining the needed legal right-of-way agreements to install the off-post wells.

d. Mr. Sheehan showed a map of the locations where the new wells will be installed. He pointed out the location of the Nevada Avenue homes being sampled.

e. Mr. Sheehan reminded the Board the original groundwater monitoring project was started based on contamination (carbon tetrachloride, PCE, and trichloroethene) detected in the Lower Patapsco Aquifer at deep monitoring wells 125 and 126. He stated these wells were southeast of the Nevada Avenue homes. He advised these deep wells had recently been re-assessed and sampled. Mr. Sheehan showed a map with the location of these wells. He said a draft report on the sampling had been submitted to the regulators the previous week. He said the results are lower than they have been in the past, but there is still an exceedance of the maximum contaminant levels in the lower aquifer but not in the upper aquifer.

f. Mr. Berkoff asked if a copy of the data report had been provided to the Board. Mr. Fluck said the draft final report should be available in a few weeks but basically contained the same data Mr. Sheehan had just displayed.

g. Mr. Dixon asked what would happen if a resident refused to have their well sampled or did not want bottled water and later claimed there was a problem. Mr. Fluck said extensive efforts were performed to reach homeowners including personal visits with Bill Hudson from the U.S. Environmental Protection Agency. Ms. Tegtmeier added that people who refused the sampling were sent letters by certified mail, and the Army has receipts showing the letters were received. Mr. Fluck said the Army would examine any new information received in the future.

h. Mr. Harry Neal asked whether the trailer park was within the study area and on well water. Mr. Sheehan said there were no individual or community wells in the trailer park and no one is on bottled water, but he would have to check the survey results to confirm the assumption they are on public water.

10. Open Discussion/New Business:

a. Mr. Fluck advised that his office had posters about the Manor View Dump Site project and a table displaying the artifacts at a Fort Meade Earth Day event. He said a groundskeeper approached him and mentioned seeing the artifacts on the ground in woods near 9th and Ernie Pyle Road. Mr. Fluck said he investigated the next day and found about 5,000 yards of debris deposited on the surface in a wooded area near that intersection. He advised the material was similar to that found at Manor View Dump Site and consisted of porcelain and flatware from the same organization (U.S. Army Medical Department) as items found at Manor View Dump Site. He noted there are some unique aspects to the waste stream which

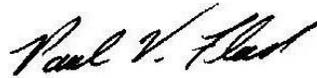
distinguishes it from Manor View Dump Site, such as asbestos-containing materials. Mr. Fluck said the finding was reported to the U.S. Environmental Protection Agency and the Maryland Department of the Environment, an internal investigation was begun, and the area was fenced. He advised a site complaint was received from the Maryland Department of the Environment.

b. Mr. Fluck said aerial photographs were reviewed, and no source was identifiable. He explained the refuse looks like it had been incinerated before being buried, then excavated, and re-deposited in the area by dump trucks as some patterns are visible. He said the vegetation grew and hid the material, and along with personnel changes, most likely caused the knowledge of the material being in that location to be lost. Mr. Fluck said it is estimated the material was placed there in the year 2000 or 2001, but where it came from has not been determined. He said more than two dozen individuals have been interviewed. Mr. Butler said the individuals interviewed remember seeing dump trucks, but no one knew where the material came from.

c. Mr. Fluck advised the Army is required by Maryland Department of the Environment to characterize the waste, and plans are underway to do the characterization. He said the Army will then provide the State with a plan for disposal of the material consistent with its chemical profile.

d. Mr. Butler said more information on the new dump site will be provided as it is received.

e. The meeting was adjourned at 8:34 p.m.



for

MICHAEL P. BUTLER
Chief, Environmental Division

CF:
RAB MEMBERS
FGGM GARRISON COMMANDER
PUBLIC AFFAIRS OFFICE