



Fort George G. Meade

Post Removal Methane Gas Monitoring, Update

Restoration Advisory Board Meeting
November 15, 2012



ARMY STRONG.

*Picture of Site Shown During Last RAB Meeting
(9/20/12)*



Central portion of site, looking north

*Recent Picture of Site
(11/12/12)*



Central portion of site, looking north



Legend

- Monitoring Point A - G
- Trench Well 1, 3, 7, and 11
- ▲ Deep Vapor Monitoring Points: 1 - 12
- ▲ Shallow Vapor Monitoring Points: 21-41
- Vapor Extraction Well
- NS Location Not Sampled
- ▲ monitoring location removed during excavation activities
- ▨ Extent of soil/woody debris excavation
- ▨ Extent of methane generating waste excavation
- Perimeter Fence
- Methane Extraction Trench

RESULTS ARE IN PARTS PER MILLION BY VOLUME (PPMV)

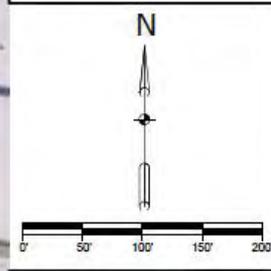


FIGURE 1

Site Layout & Last 4 Methane Readings

Week Beginning 29 October 2012

Manor View Dump Site

Fort George G. Meade, MD

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PROJECT NO. FILE NO.
FIGURE 1

- - - Buried Natural Gas Line
- . - Limits of Excavation
 Methane results are in parts per million by volume

VMP-31

11/5/12:	24,000
11/2/12:	38,000
10/22/12:	27,000
10/15/12:	31,000
10/10/12:	33,000

MP-E

11/5/12:	1,000
11/2/12:	0
10/22/12:	0
10/15/12:	0
10/10/12:	0

VMP-30

11/5/12:	113,000
11/2/12:	42,000
10/22/12:	155,000
10/15/12:	111,000
10/10/12:	158,000

VMP-43
0

VMP-32
0

VMP-42
0

VMP-24 & 25
0

RI Monitoring Point



Methane at VMP-30



- Mercaptan odor noted, but field tests for methyl mercaptan were negative
 - Mercaptan is added to natural gas to give it a detectable odor
- Working with BGE and Picerne to shut off gas to unoccupied units and will measure change (if any) at VMP-30



Questions?

Thank You

