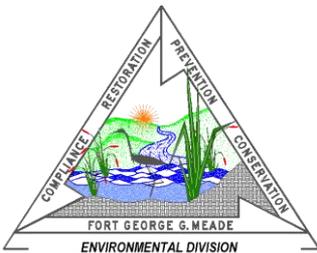




Fort George G. Meade

Manor View Dump Site Proposed Plan Update

Restoration Advisory Board Meeting
May 15, 2014



ARMY STRONG.



Presentation Agenda



- Status of the CERCLA Process
- Site Information
 - Location
- Proposed Plan Summary
- Schedule
- Methane Monitoring Update

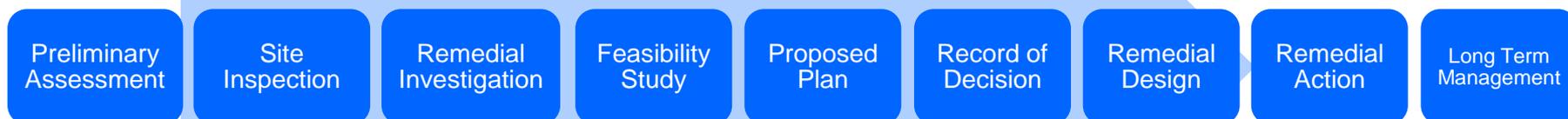


Status of CERCLA* Process



- ✓ Remedial Investigation (RI) - characterization of site *FINAL*
- ✓ Feasibility Study (FS) - assessment of possible remedies *FINAL*
- ✓ Proposed Plan (PP) - solicit public input on preferred remedy *D. FINAL*
- ❑ Record of Decision (ROD) – legal remedy selection *DRAFT*
- ❑ Remedial Design (RD) - remedy implementation plan *BEING PREPARED*
- ❑ Remedial Action (RA) - remedy implementation *2014*

*Comprehensive Environmental Response, Compensation, and Liability Act





NTCRA* Process and Integration into CERCLA Process



PA/SI

RI

FS



NTCRA

1. Determine Removal Action is appropriate
2. Approval Memorandum
3. Engineering Evaluation/Cost Analysis
4. 30 Days Public Notice Period (11/9/11)
5. Action Memorandum (ROD equivalent)
6. Remedial Design/Remedial Action
7. Interim Remedial Action Report

FS



PP



PP discusses the Final Remedy. PP also has public notice and meeting requirements.

ROD

RD/RA

RAR**

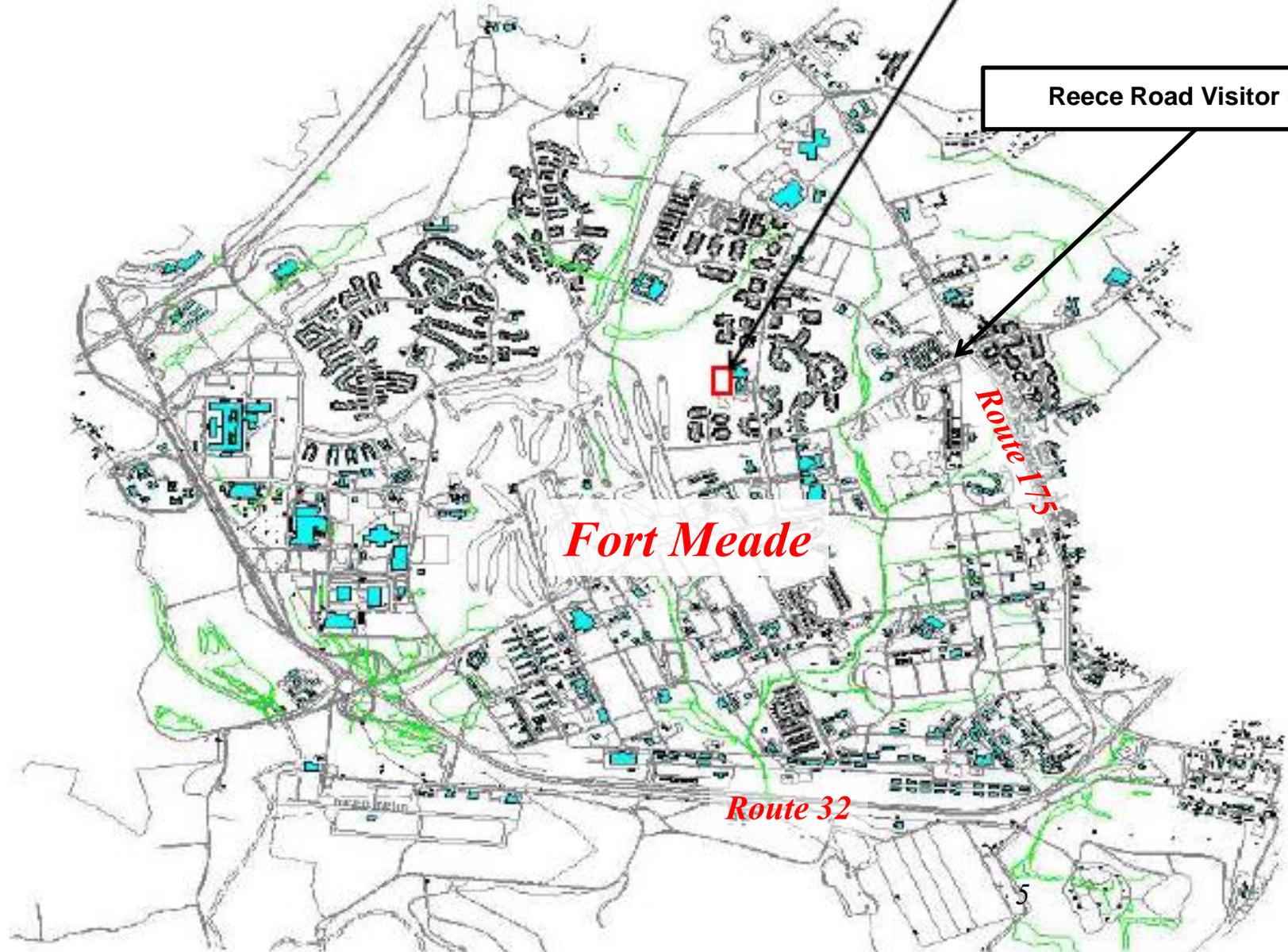
**NTCRA = non-time critical removal action*

***RAR=Remedial Action Report*



Manor View Dump Site

Reece Road Visitor Gate



Fort Meade

Route 32

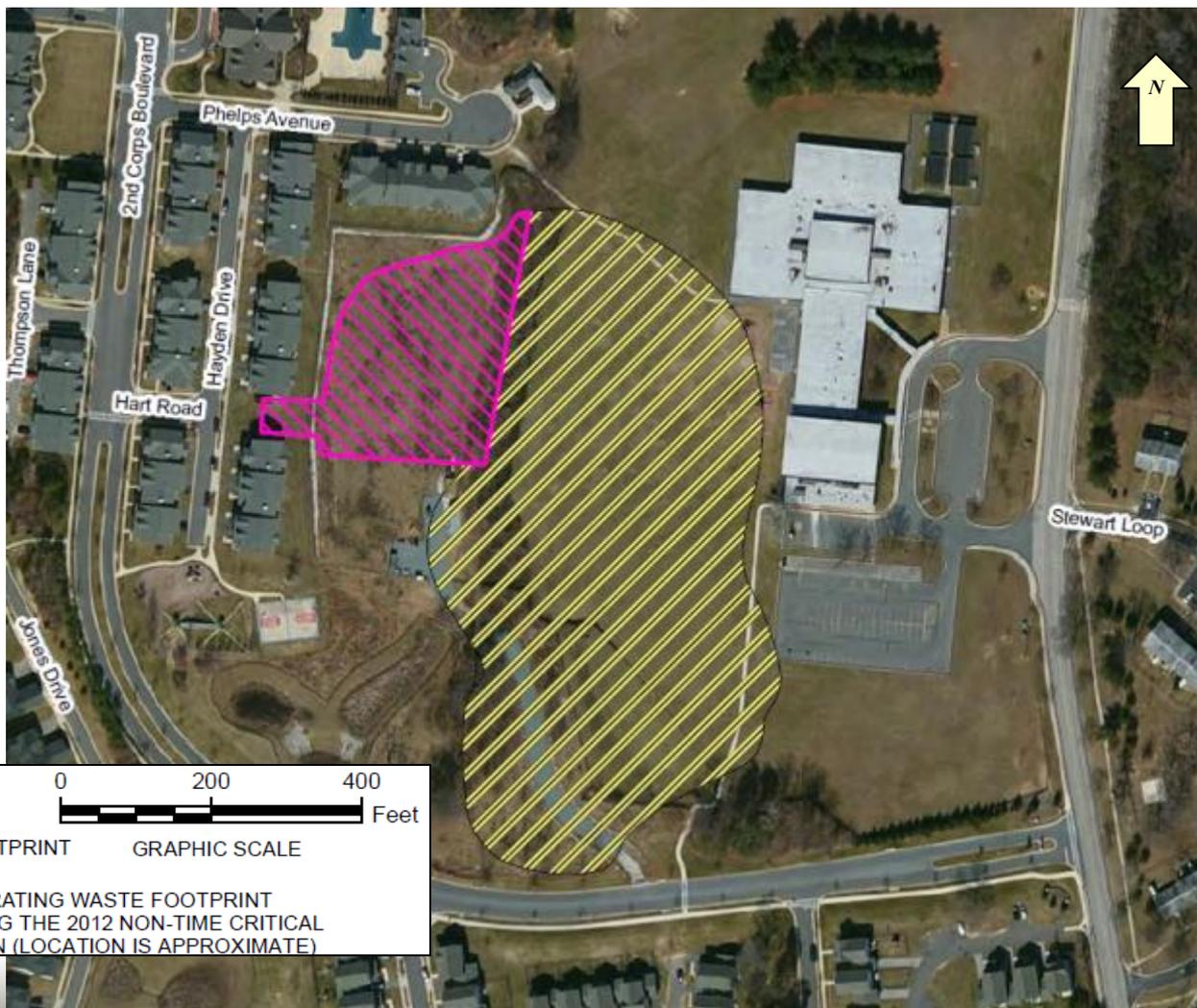
Route 175



Manor View Dump Site



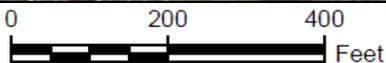
IMCOM
SOLDIERS • FAMILIES • CIVILIANS



LEGEND:



DEBRIS/FILL FOOTPRINT



GRAPHIC SCALE



METHANE GENERATING WASTE FOOTPRINT
REMOVED DURING THE 2012 NON-TIME CRITICAL
REMOVAL ACTION (LOCATION IS APPROXIMATE)





Proposed Plan Summary



- The following remedial alternatives were developed:
 - **Remedial Alternative 1** - No Action
 - **Remedial Alternative 2** – Maintenance of Existing Soil Cover, Land Use Controls (LUCs) and Long Term Monitoring (LTM)
 - **Remedial Alternative 3** – Installation of a Low Permeability Cap, LUCs, and LTM



Preferred Alternative



- **Alternative 2 – Maintenance of Existing Soil Cover, LUCs, LTM**

- The existing soil cover would be inspected and maintained to eliminate future exposure to subsurface soil contaminants and debris
 - » 2-8 feet thick. The Army, USEPA, and MDE agree that this cover satisfies the criteria to qualify for a variance from the MDE capping requirements as it will provide the same degree of protection
- Land Use Controls
 - » Signs to notify site users/visitors of environmental concerns at the site
 - » Maintain the fence between the eastern/western parcels
 - » Prohibit residential use of the site
 - » Prohibit groundwater use of the site
 - » Prohibit full time occupancy of the crawl space
 - » Maintain methane monitors in school and houses





Preferred Alternative



- **Alternative 2 – Maintenance of Existing Soil Cover, LUCs, LTM**

- Long Term Monitoring
 - » Soil gas monitoring for methane
 - » Groundwater sampling
 - » Indoor air sampling in the crawl space at Manor View Elementary
 - » Site Inspections
- CERCLA Five Year Reviews
 - » Assessment if the remedy continues to be protective of human health and the environmental or whether the implementation of additional remedial action is appropriate





Proposed Plan



- The PP was available for public review from March 20th to April 19th in the Administrative Record located:

Fort Meade Environmental Division
4215 Roberts Avenue, Room 320
Fort Meade, MD 20755
Monday – Friday: 8 am to 4 pm

Anne Arundel County Library(West County Area Branch)
1325 Annapolis Road
Odenton, MD 21113
Mon-Th: 9 am-9 pm; Fri & Sat: 9am-5 pm; Sun: 1pm-5 pm

<http://www.ftmeade.army.mil/environment/cleanup/programsites/manorview/index.html>

- Public meeting held March 27, 2014
- Public comments accepted until April 19, 2014
- No written or oral comments were received
- Community participation will be documented in ROD





Schedule



- The Final RI Addendum, Final FFS, Draft Final PP, and Draft ROD have been submitted to EPA/MDE and are currently under review
- The ROD for the final remedy is scheduled for June 2014
- The Remedial Design is being prepared
- Two semi-annual monitoring events are planned for 2014 (~June and September)





Presentation Agenda



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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
- Monitoring locations for which methane was not detected during the previous four sampling events
- Extent of soil/woody debris excavation
- Extent of methane generating waste excavation
- Perimeter Fence
- Methane Extraction Trench

NOTE:

- RESULTS ARE IN PARTS PER MILLION BY VOLUME (PPMV)

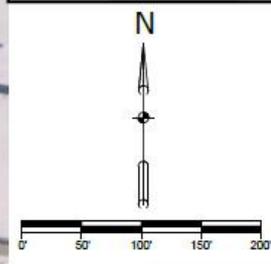


FIGURE 1
Site Layout & Last 4 Methane Readings
 Week Beginning 14 March 2014
 Manor View Dump Site
 Fort George G. Meade, MD



Questions/Comments?





Acronyms



CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
FS	Feasibility Study
LTM	Long Term Monitoring
LUC	Land Use Control
MDE	Maryland Department of the Environment
NTCRA	Non-Time Critical Removal Action
PP	Proposed Plan
RA	Remedial Action
RD	Remedial Design
RI	Remedial Investigation
ROD	Record of Decision
SI	Site Investigation
USEPA	United States Environmental Protection Agency





U.S. Army Garrison Fort George G. Meade
Directorate of Public Works-Environmental Division
4215 Roberts Ave, Room #320
Fort Meade, Maryland 20755-7068

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