

**US Army Corps
of Engineers
Baltimore District**

Fort Detrick Installation Restoration Program

**Restoration Advisory Board Meeting
11 June 2003 7:30 PM
Fort Detrick, Frederick, Maryland**



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Baltimore District

Fort Detrick

Area B-11 Pit 1 Removal Project Status

- Pit 1 Complete (ended 21 March 2003)
- No lost time accidents (835 days)
- Removed 2005 tons (1518 CY) of waste and contaminated soil from the pit (112 rollofs). 175 tons non-hazardous overburden to Fort Detrick's landfill.
- 52 Cylinders, 113 vials, 20 containers (>1 gal) with contents, and 40+ 55-gallon drums were removed.
- Equipment and structure was decontaminated and moved.
- Confirmatory biological wipe samples were collected and indicated no pathogenic bacteria remained.
- Backfill was completed. Hydroseeding to occur after Pits #2, 3, and 4 excavation complete.
- Pits #2, 3, 4 mobilization began 21 March 2003

View of Completed Backfill



Backfill of Pit #1



Cleaning/Disinfecting
Equipment



Fort Detrick

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Area B-11 Pits 2, 3, 4 Removal Project Status

- Pits 2, 3, and 4 Mobilization Began 21 March 2003
- Containment Structure Moved Over Pits #2, 3, and 4



* Structure Moved 23-24 March 2003





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Area B-11 Pits 2, 3, 4 Removal Project Status (Continued)

Overburden removed from Pits 2, 3, and 4 from 8 May through 30 May 2003

Excavation of waste materials from Pit 2 commenced 2 June 2003

Wastes recovered to Monday 9 June include:

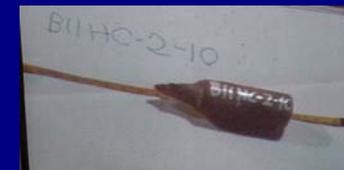
- Small glass containers
- Plastic
- Glass
- Medical waste
- Metal fragments
- One small amber colored bottle
- Eight intact cylinders ranging in size from 2-8" diameter by 7-23.5" long. Some intact or partial valve assembly. All have been cataloged and secured.
- One vial bleached and destroyed



Field instrumentation shows elevated VOC readings, primarily from Pit 4

Approximately 272 tons of soil (8 non-hazardous roll-offs for Detrick landfill and 8 roll-offs for off-site disposal) have been loaded into roll-off boxes as of 9 June 2003

⇒ 1,485 Tons Total Expected from Pit 2, 3, 4 Excavation





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Area B-11 Pits 2, 3, 4 Removal Project Status (Continued)

- Pits 2, 3, and 4 Schedule
 - Startup activities: 21 March 2003 – 02 May 2003
 - Excavation: 08 May 2003 – 28 Nov 2003
 - Demob/Decon: 01 Dec 2003 – 23 Jan 2004
 - Site Restoration: 26 Jan 2004 – 05 Feb 2004
- Funding
 - Project has been fully funded in FY03.

*******Pit 2 Excavation – Potentially completed at 9 ft deep as of 11 June 2003, Removed mostly cylinders and metal debris.*******



Pit 3 Excavation – 3 ft deep as of
10 June 2003



Pit 4 Excavation – 3 ft deep as of
10 June 2003





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Fort Detrick Area A Long- Term Monitoring Update

Pending Schedule:

LTM (Five Year Review)
Semi-Annual Sampling Report (June 03 Sampling)

Estimated Completion Date

July 06
November 03

Items Completed:

Area A Long-Term Monitoring (LTM) Plan
Area A LTM Sampling (1st round)
Area A LTM Sampling (2nd round)
Semi-Annual Sampling Report (May 02 Sampling)

Completed Date

April 02
May 02
June 03
November 02



Fort Detrick RI/FS

Area B Update

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COMPLETED (none new)

Engineering Evaluation/Cost Analysis (EECA) Area B-11 Chemical Waste Disposal Pits	(Feb 00)
EECA (Proposed Plan)	(May 00)
EECA (Decision Document)	(July 00)
Public Involvement and Response Plan	(July 00)
Chemical Oxidation Bench-Scale Test Work Plan	(Oct 00)
Photographic Analysis (USEPA EPIC Study)	(Mar 01)
Chemical Oxidation Bench-Scale Test Report (Final)	(July 01)
Area B Background and B-20 North Follow-On Work Plan	(Nov 02)

PENDING

Area B Background Study
Groundwater Pilot Test Field Technology Assessment Work Plan
Area B Additional Investigation Work Plan
Dye Trace Study Work Plan (Final)

RI
FS
PP
DD
RD
RA

Area B-1 Site Close-Out Document
Area B-18 Site Close-Out Document

Explanation of Significant Differences – B-11 Pit 1 Removal Action
Explanation of Significant Differences – B-11 Pits 2,3,4 Removal Action

* Additional sites are being evaluated for Close-Out Documents.

Completion Date

August 03

Pending Funding
Pending completion of Background Study
Pending Funding
Schedule being developed
Pending Completion of Background Study
Pending Completion of Background Study

Awaiting Army Signature

Awaiting Army Signature



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Area B Update

Completed and Planned Field Activities

COMPLETED TASKS SINCE LAST MEETING

- Semi-annual monitoring completed 2 June 2003.

PLANNED

- Additional periodic residential and on-post well and surface water sampling - **Every 6 months.**
- Dye Trace Study - Schedule being developed (funding dependent).
- Water Treatment System (Krantz) - On-hold pending funding.
- Additional Residential well research downgradient of Area B to aid in monitoring groundwater contamination.



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Area C Update

- Internal Draft is being reviewed.
- Final Report has been funded.
- Scheduled to be completed **Summer/Fall 03.**

