

Joint Base McGuire-Dix-Lakehurst
Restoration Advisory Board (RAB) Draft Meeting Minutes
Meeting No. 32 – 10 November 2010

SUBJECT: Restoration Advisory Board (RAB) Meeting No. 32 – Meeting Minutes

- 1) Place: Edward Holloway Senior Citizen Community Center, Cookstown, New Jersey
- 2) Date/Time: Wednesday, November 10, 2010; 6:30 PM
- 3) Co-Chairs: Captain Andrew Butterfield *for* Col Joseph Poth, Deputy Joint Base Commander, Joint Base McGuire-Dix-Lakehurst
Mr. Michael Tamn, Resident, Pemberton Township, New Jersey

4) Attendees:

Mr. Frank Storm	Resident, Burlington County, RAB Member
Ms. Theresa Lettman	Pinelands Preservation Alliance, RAB Member
Mr. Chris Archer	JB MDL 87 CES, Deputy Civil Engineer
Mr. Ken Smith	JB MDL, 87 CES/CEAN, Chief, Environmental Division
Mr. Curt Frye	JB MDL, 87 CES/CEAN, Environmental Restoration Program Chief
Mr. King Mak	JB MDL, 87 CES/CEAN, Environmental Restoration Program
Ms. Nicole York	JB MDL, 87 CES/CEAN, Environmental Restoration Program
Mr. William Lewendoski	JB MDL, 87 CES/CEAN, Environmental Restoration Program
Mr. John King	JB MDL, 87 CES/CEAN, Environmental Restoration Program
Mr. Mike Figura	JB MDL, 87 CES/CEAN, Environmental Restoration Program
Mr. John Malleck	US Environmental Protection Agency, Region II
Ms. Jennifer Azzarano	Burlington County College
Ms. Pidge Carroll	Representative for Congressman Christopher Smith
Frederick Poli	Shaw Environmental & Infrastructure, Inc.
George Leahy	URS, Corporation

5) Call to Order:

The meeting was called to order at 1830 by Mr. Michael Tamn.

6) Minutes of Previous Meeting and Review of Agenda Items:

Mr. Tamn called for approval of the minutes from the 25 August 2010 RAB meeting. A motion was made by Frank Storm, seconded by Theresa Lettman and the minutes were approved.

7) Lakehurst Five Year Review:

Mr. Mike Figura, Restoration Project Manager, 87th CES/CEAN

- Mr. Figura gave a presentation regarding the upcoming Lakehurst Installation Five Year review as required by Section 121 of CERCLA. He explained the reasons for the Five Year review that include the following:

- A regular checkup on a Superfund site with ongoing treatment that takes more than five years to complete or a site that has been cleaned up – with waste left behind.
 - A way to make sure the cleanup continues to protect people and the environment.
 - A chance for anyone to comment about site conditions and any concerns he may have.
 - If contaminants remaining at any site are above levels that allow for unlimited use and unrestricted exposure a review is required every 5 years to ensure protection of human health and the environment. Even though Lakehurst is considered “construction complete” which indicates that all remedial work at the facility has been completed or constructed and no further response is necessary except for operation, maintenance and monitoring, some treatment is still ongoing and other sites were remediated to industrial standards.
- The Five Year Review report will include introduction, site chronology, background, remedial actions, progress since last review, Five Year Review process, technical assessment, issues, recommendations and follow-up actions, protectiveness statement, and next review.
 - The previous reviews were dated June 28, 2001 and Aug 1, 2006. The next review is due in September 2011.
 - The following action items were identified from the previous Five Year Review:
 - Sample Area Groundwater for 1,4-dioxane
 - Install additional sparge and vapor extract points at site 13
 - Install additional recovery well in Area B
 - Install additional sparge points at site 17
 - Investigate potential for vapor intrusion in Areas A, B, H and K

Mr. Figura said the above action items were completed in 2007. He explained 1,4 dioxane is a common stabilizer used with chlorinated solvents, most notably 1,1,1-trichloroethane (1,1,1-TCA). Due to the historic nature of most spills at the Lakehurst facility and the infrequent occurrence of 1,1,1-TCA, it was not expected that significant amounts of 1,4 dioxane would be present. In April 2007, four wells with the highest levels of 1,1,1-TCA were sampled, 1,4-dioxane was not detected in any of the wells. Sub-slab vapor intrusion sampling was conducted in September 2007 with follow-up work scheduled for November 2010.

- Sites and areas at Lakehurst that still require a five year review:
 - Contaminated soil remains at sites 13, 16, and 17.
 - There are active sparge/soil vapor extraction systems operating at these sites.
 - Site 31 is a landfill which was closed and capped in 1980.
 - We are currently performing long-term monitoring of groundwater in this area. A deed restriction would be needed for this property if land ever transferred.
 - Site 32 was cleaned to industrial standards.

- Additional investigation and possibly remediation would be required at this site if land use changes.
 - Groundwater at Areas A/B, C, and H:
 - Currently being treated by pump and treat systems and monitored as levels are reduced through natural attenuation.
 - Groundwater at Areas D, I/J, and K:
 - Currently being monitored as levels are reduced through natural attenuation.
- Current Five Year Review Scope to include:
 - Update conceptual cite models (CSMs) and exit strategies for all sites.
 - Perform a base-wide Mann-Kendall statistical analysis for all wells.
 - Develop optimized long-term monitoring plan for groundwater.
 - Prepare plan for optimizing treatment systems at the facility.
 - Outline process for Monitored Natural Attenuation/Enhanced Natural Attenuation.(MNA/ENA) analysis of groundwater in Areas C and H.
- Five Year Review Schedule:
 - Kickoff Meeting – November 2010.
 - Draft Five Year Review Report – April 2011.
 - Regulatory Review – summer 2011.
 - Address Regulatory Comments – August 2011.
 - Final Report Submitted – September 2011.
 - Present Findings to the RAB – winter 2011.
- Based on recommendations of the Air Force Environmental Restoration Optimization Team additional work is being performed as part of our five-year review.
 - The CSM is a summary of the site contaminants, features and what is being done to treat the contamination.
 - Mann-Kendall will help define how often wells should be sampled, wells that are statistically insignificant (no longer need to be sampled) and data gaps.
 - Optimized LTM Plan combines both statistical analysis and exit strategies.
 - Will perform a plume stability/MNA/ENA study for Areas C and H to determine best process forward.
- Next Five-Year Review will be in 2015:
 - Mike Figura passed out a RAB Questionnaire as part of the Five Year Review and requested input from RAB members.
- Theresa Lettman questioned whether the MNA/ENA study was done previously at these sites.
 - Mike Figura explained that this process was used at areas I and J, not sites C and A.
- Captain Butterfield asked Mr. Figura about the contract used for the Five Year Review.

- Mike Figura explained that it is a Time and Material (T&M) contract allowing the contractor enough resources to do a thorough job.
- Frank Storm inquired as to whether the Joint Base was involved with other environmental cleanup sites off base, such as the GM site in Ewing, NJ.
 - Ken Smith stated that the Joint Base has no involvement with this site, but he believes there are no on-going activities at that site.

8) Dix Five Year Review Finalization:

Mr. Bill Lewendoski, Restoration Project Manager, 87th CES/CEAN

- The third Five Year Review for the Dix NPL site is complete – Final report was dated September 2010.
- EPA concurs with the Air Force that the remedy continues to be protective of human health and the environment and is functioning as originally intended in the Record of Decision.
- Next Steps:
 - Continue with monitoring and institutional controls to ensure long term protectiveness of the remedy.
 - Begin NPL delisting activities.
- Theresa Lettman questioned if the Ecological Risk Assessment Addendum was in the Administrative Record repository at the Burlington County Library.
 - Bill Lewendoski answered that there was no addendum to the 2005 report. It was included in the 2010 report because it could not be completed until the Sentinel wells were evaluated.
- Theresa Lettman questioned if the Final Five Year Review Report was in the Administrative Record repository at the Burlington County Library.
 - Nicole York stated that the document was available at the Burlington County Library.

9) Dix New Egypt Armory Site Overview:

Mr. Bill Lewendoski, Project Manager, 87th CES/CEAN

- New Egypt Armory:
 - Originally used as Radar site.
 - Currently used by National Guard for vehicle storage/maintenance.
- Identified in 1993 Remedial Investigation Report.
 - Two waste oil USTs showed staining around fill port.
- Waste Oil USTs removed June 1997 – Contaminated soil around fill ports and down slope.

- 2005 – Soil Removal Action completed for TPH and PCBs in soil and sediment.
- 2009 – Additional soil confirmation samples showed PCB contamination remains above cleanup standards.
- 2010 – Awarded contract to delineate remaining PCB contamination.
- Path Forward:
 - Complete delineation of the two areas with PCBs above cleanup standards:
 - Complete wetlands delineation and stream sampling
 - Complete Remedial Investigation Report, including above results
 - Complete Feasibility Study, Proposed Plan and Record of Decision
 - Complete remedial actions as specified in the above documents

10) Restoration Advisory Board Site Tour (to be scheduled):

Mr. King Mak, Project Manager, 87th CES/CEAN

- JB MDL is planning a RAB tour of environmental sites on McGuire and Dix.
- Proposed during the week of November 15th, 2010:
 - Which day are RAB members available? Following discussion it was proposed to have the Tour on Thursday, November 18 and the decision would be finalized on Friday, November 12 after coordinating with Nicole York.
- Meeting location is on McGuire at the Falcon Creek Golf Club (Building 2007)
- Proposed Agenda:
 - 9:30 AM – Meet at the club and begin the site tour
 - 11:30 AM – Have lunch with COL Poth at the club
 - 1:00 PM – Continue the site tour (if necessary)
- As proposed by Mr. Tamm, the planned sites to visit:
 - McGuire storage site/boiler room/power plant
 - McGuire Landfill LF-02
 - McGuire Landfill LF-19
 - McGuire Landfill LF-20
 - McGuire Landfill LF-03
 - McGuire Landfill LF-04
 - Dix Mag-1
 - Dix Mag-2
 - Dix EPIC-8 Landfill
 - Dix NPL Sanitary Landfill
 - Dix Property Disposal Office Landfill

11) Discussion Items:

- Mr. Tamn asked if the general water levels at public water supply wells on base were lowering due to use in the area.
 - Ken Smith said that they are monitored on at least a quarterly basis by NJDEP and USGS who could make that information available...
- Mr. Storm made the suggestion that an announcement be made at the RAB meetings encouraging meeting attendees to ask questions/comment and be more active participants at the meetings.
 - JB MDL concurred with that statement.
- Mr. Tamn asked for an update on the status of the Times Square Dump (Range Landfill) RI.
 - Curtis Frye stated that a Background Study to include inorganics in groundwater was being updated and would be ready by Spring 2011. Mr. Frye explained that this will be instrumental in completing the RIs at the Range and ANC-2 Landfills.
- Mr. Tamn inquired about the status of the Taylor Mountain Landfill.
 - ⊖ Curtis Frye informed him that all wastes had been removed at the Pathological Landfill located at Taylor's Mountain. A request for NFA has been submitted the NJ DEP and JB MDL is awaiting a response.‡


12) The Joint Base McGuire-Dix-Lakehurst Environmental Policy was provided as a handout for members of the RAB.

13) Meeting Adjourned:


Mr. Michael Tamn, RAB Co-Chair

- The meeting was adjourned at 1923.


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Mr. Michael Figura
 Restoration Project Manager
 87 CES/CEAN
 Lakehurst Five-Year Review Overview




**Lakehurst Installation
Five-Year Review**




- Section 121 of CERCLA requires that remedial actions which result in any hazardous substances, pollutants, or contaminants remaining at the site be subject to a five-year review.
- The Five-Year Review is:
 - a regular checkup on a Superfund site with ongoing treatment that takes more than 5 years to complete or a site that has been cleaned up – with waste left behind;
 - A way to make sure the cleanup continues to protect people and the environment; and
 - A chance for you to comment about site conditions and any concerns you have.

"WIN AS ONE"




**Lakehurst Installation
Five-Year Review Format**




- Five Year Review Includes:
 - Introduction
 - Site Chronology
 - Background
 - Remedial Actions
 - Progress Since Last Review
 - Five-Year Review Process
 - Technical Assessment
 - Issues
 - Recommendations and Follow-up Actions
 - Protectiveness Statement
 - Next Review

"WIN AS ONE"




**Lakehurst Installation
Historical Reviews**




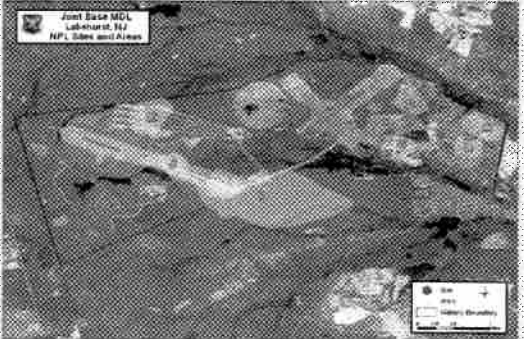
- Previous Reviews Dated:
 - June 28, 2001
 - August 1, 2006
- Action Items from Last Review:
 - Sample Area Groundwater for 1,4-dioxane
 - Install additional sparge and vapor extract points at site 13
 - Install additional recovery well in Area B
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**Lakehurst
Remaining Sites / Areas**









**Lakehurst Installation
Current Review Scope**



- Current Five-Year Review Scope to Include:
 - Update Conceptual Site Models and Exit Strategies for All Sites
 - Perform Basewide Mann-Kendall Statistical Analysis for All wells
 - Develop Optimized Long-term Monitoring Plan for Groundwater
 - Prepare Plan for Optimizing Treatment Systems at the Facility
 - Outline Process for Monitored Natural Attenuation/Enhanced Natural Attenuation (MNA/ENA) Analysis of Groundwater in Areas C and H



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 **Lakehurst Installation
Five-Year Review Schedule** 

- Kickoff Meeting – November 2010
- Draft Five-Year Review Report – April 2011
- Regulatory Review – Summer 2011
- Address Regulatory Comments – August 2011
- Final Report Submitted – September 2011
- Present Findings to the RAB – Winter 2011

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 **Lakehurst Restoration Program** 

Questions?



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Mr. William Lewendoski
Restoration Project Manager
87 CES/CEAN
Dix Sanitary Landfill Five-Year Review Summary



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 **Dix Sanitary Landfill
Five-Year Review** 

- Five Year Review is complete – Final Report dated September 2010
- This was the 3rd Five Year Review
- Conclusion: Remedy continues to be protective of human health and the environment and is functioning as originally intended in the Record of Decision
- EPA concurred with the protectiveness determinations
 - May have editorial comments to submit in the future

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 **Dix Installation
Five-Year Review Format** 

- Next Steps:
 - Continue with monitoring and institutional controls to ensure long term protectiveness of the remedy
 - NPL delisting activities
- Next 5 Year Review in 2015

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 **Dix Restoration Program** 


Questions?

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Mr. William Lewendoski
 Restoration Project Manager
 87 CES/CEAN
 New Egypt Armory Overview




**Dix Installation
New Egypt Armory**




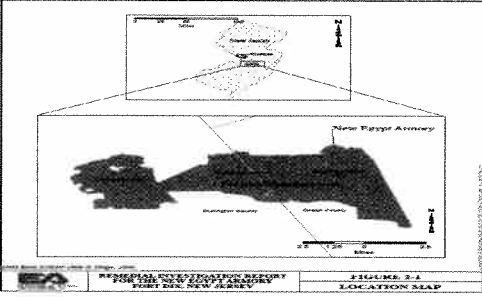


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**Dix Installation
New Egypt Armory**






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**Dix New Egypt
Armory Site**




- **New Egypt Armory**
 - Originally used as Radar site
 - Currently used by National Guard for vehicle storage/maintenance
 - One of highest locations on JB MDL
- **Identified in 1993 Remedial Investigation Report**
 - Two waste oil USTs showed staining around fill ports
- **Waste Oil USTs removed June 1997 – contaminated soil around fill ports and down slope**

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**Dix New Egypt
Armory Site**




- **2005 – Soil Removal Action completed for TPH and PCBs in soil and sediment**
- **2009 – Additional soil confirmation samples showed PCB contamination remains above clean up standards**
- **2010 - Awarded contract to delineate remaining PCB contamination**

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**Dix New Egypt
Armory Site**





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Dix New Egypt Armory Site

"WIN AS ONE"

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Dix New Egypt Armory Site

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Dix Installation New Egypt Armory

■ Path Forward:

- Complete delineation of the two areas with PCBs above clean up standards
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Dix Installation New Egypt Armory

Questions?

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Mr. King Mak
Restoration Project Manager
87 CES/CEAN
RAB Site Tour Overview


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RAB Site Tour


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RAB Site Tour

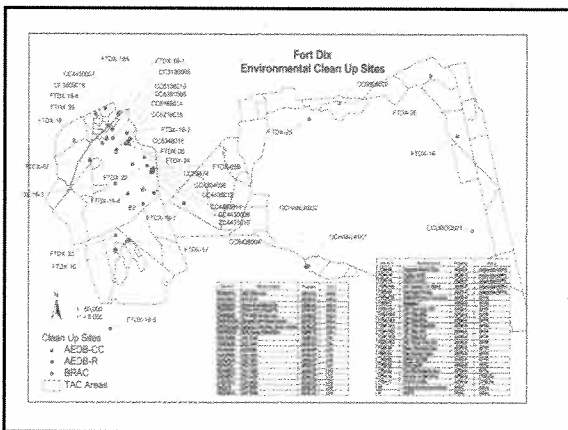
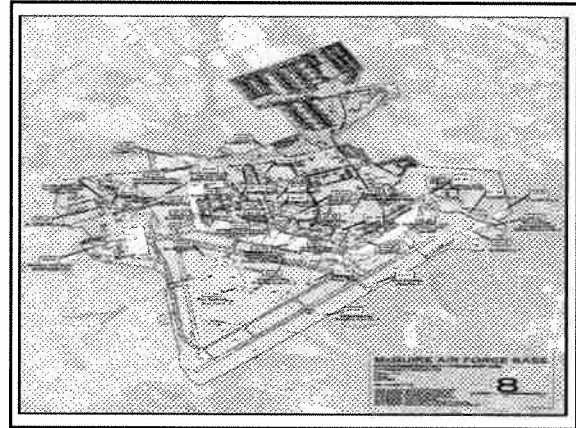



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- Dix Property Disposal Office Landfill


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RAB Site Tour



Questions?

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