

#### DEPARTMENT OF THE AIR FORCE

#### AIR FORCE CIVIL ENGINEER CENTER INSTALLATION RESTORATION PROGRAM JOINT BASE MCGUIRE-DIX-LAKEHURST, NJ 08641

4 February 2014

Mr. Curtis A. Frye Chief, Environmental Restoration Program AFCEC/CZO East Region, NE IST 2403 Vandenberg Avenue JB MDL, NJ 08641-5104

Re: 8 August 2013 JB MDL RAB Meeting Joint Base McGuire-Dix-Lakehurst (JB MDL) Restoration Advisory Board (RAB) Meeting and Draft Minutes, 14 November 2013 JB MDL RAB Meeting

Dear Community Member,

Please reference the enclosed Final minutes from the 8 August 2013 Restoration Advisory Board (RAB) meeting. In addition, we have attached the draft minutes from the 14 November 2013 RAB meeting and a copy of the handouts that were distributed at the meeting. The next RAB meeting is scheduled for Thursday, 20 March 2014 at 6:30 PM, at the Edward Holloway Senior Citizen and Community Center on Main Street in Cookstown, New Jersey.

If you have any questions concerning this matter, please call Ms. Nicole Brestle at (609) 754-0068 or Mr. King Mak at (609) 754-3323.

Sincerely,

CURTIS A. FRAE, P.E., DAFC

Chief, Environmental Restoration Program

#### Attachments:

- 1. Final Meeting Minutes, 8 August 2013
- 2. Draft Meeting Minutes, 14 November 2013
- 3. Presentation Materials, 14 November 2013

# Joint Base McGuire-Dix-Lakehurst (JB MDL) Restoration Advisory Board (RAB) Final Meeting Minutes Meeting No. 43 – 8 August 2013

SUBJECT:

Restoration Advisory Board (RAB) Meeting No. 43 - Meeting Minutes

1) <u>Place</u>: Edward Holloway Senior Citizen Community Center, 5 Cookstown Browns Mills Road, Cookstown, New Jersey

2) Date/Time: Thursday, 8 August 2013; 6:30 PM

3) <u>Co-Chairs</u>: COL Charles E. Coursey, Deputy Joint Base Commander, JB MDL Mr. Michael Tamn, Resident, Pemberton Township, New Jersey

#### 4) Attendees:

Pemberton Township, RAB Member
US Environmental Protection Agency, Region II
New Jersey Department of Environmental Protection
New Jersey Department of Environmental Protection
Ocean County Health Department
JB MDL, 87 CES, Deputy Civil Engineer
JB MDL, 87 CES/CEAN, Chief, Environmental Division
JB MDL, 87 CES/CEAN, Chief, Environmental Restoration Program
JB MDL, 87 CES/CEAN, Environmental Restoration Program
JB MDL, 87 CES/CEAN, Environmental Restoration Program
JB MDL, 87 CES/CEAN, Environmental Restoration Program (CN)
JB MDL, 87 CES/CEAN, Environmental Restoration Program (CN)
JB MDL, 87 ABW/PA, Public Affairs
Councilman, Manchester Township
Resident, Manchester Township
Tetra Tech
Tetra Tech
PARS
ECC
ECC
SAIC
Arcadis

Mr. Ali Sadrieh Plexus Scientific

Mr. Ola Awosika

Ms. Christina Vail

Mr. Gerry Maresca CB&I (formerly Shaw Environmental & Infrastructure)
Mr. Mark Tucker CB&I (formerly Shaw Environmental & Infrastructure)

**Parsons** 

Parsons

Mr. Mark Moese AECOM
Ms. Judy Hackett Weston
Mr. Mark Jaworski Weston
Mr. Richard Jasaitis Kleinfelder

Mr. George Leahy
Mr. Peter Naumoff
URS
Mr. Paul Ferroni
CAPE
Ms. Amy Sponaugle
EA
Mr. Kevin Phillips
FPM
Ms. Stephanie Davis
FPM

Ms. Susan Ryan Burlington County College

#### 5) Handouts

- JB MDL Restoration Advisory Board, Meeting No. 42, 9 May 2013, Draft Meeting Minutes
- JB MDL Restoration Advisory Board, Meeting No. 43, 8 August 2013, Agenda
- JB MDL Restoration Advisory Board, Meeting No. 43, 8 August 2013, Presentation Slides
- JB MDL Restoration Advisory Board, Document Availability List, August 2013

#### 6) Call to Order:

The meeting was then called to order by Mr. Curtis Frye.

#### 7) Minutes of Previous Meeting and Review of Agenda Items:

Mr. Tamn asked for a motion to approve the minutes from the 9 May 2013 RAB meeting. Mr. Phil Cole made the motion which was seconded by Mr. Curtis Frye; the minutes were approved.

#### 8) Review of Action Items from the May 2013 RAB:

Mr. Curtis Frye, Chief, JB MDL Environmental Restoration Program, issued a draft version of the Restoration Advisory Board Charter for review. He advised RAB members to contact Ms. Brestle with any comments or questions prior to the November RAB.

Joint Base McGuire-Dix-Lakehurst plans to issue a RAB Handbook at the November RAB. The RAB Handbook will include the RAB Charter, points of contact, the Community Involvement Plan (CIP), and JB MDL Site Fact Sheets.

#### 9) McGuire Operable Units (OUs) 6, 7 and 8:

Mr. Michael Bolen, SAIC Project Manager, provided a comprehensive update on the environmental work that has been completed to date and projected path forward for sites located within OU's 6, 7 and 8. Key points included:

- Remedial Investigations completed in June 2013 at each OU.
  - o Currently evaluating RI data sets and preparing draft RI reports.
  - o Draft RI reports to be submitted for regulatory review in fall 2013.

#### 10) McGuire Operable Unit 5, Site SS-26, Golf Course Pesticide Removal Action:

Mr. Gerard Maresca, Project Manager, Shaw Environmental & Infrastructure, provided an overview presentation of the Non-time Critical Removal Action (NTCRA) recently conducted at the McGuire Golf Course area to dispose of pesticide contaminated soil. Unexpected findings included:

• May 14, 2013: Near the southern corner of excavation a-crushed/rusted steel drum (approximately 10 gallons in size) was discovered and removed.

- May 22, 2013: Uncovered potential WWII munitions (M69 incendiary bombs).
  - UXO specialist later determined these to be spent M69s and M50s that still contained thermite/thermate.
  - Munitions are believed to be munitions debris isolated to this area. Further investigation and discussions with regulators is necessary to close out site.
- Pesticides were not detected in the post excavation sample.

#### 11) BOMARC OT-16 TCE PLUME Pilot Study Status Update:

Mr. Gerard Maresca, Project Manager, Shaw Environmental & Infrastructure, provided an overview presentation of Site OT-16's Pilot Study that is being conducted on TCE contaminated groundwater at the BOMARC facility. To date, the following has been completed:

- Pre-injection phase;
- Phase I Permeable Reactive Barrier (PRB) injections; and
  - o 30 PRB injection points completed (22 shallow, 8 deep).

#### 12) Public Comments:

o No public comments.

#### 13) Meeting Adjourned:

- Mr. Michael Tamn, RAB Co-Chair, made a motion to adjourn the meeting which was approved by Mr. Doug Pocze, United States Environmental Protection Agency, and seconded by Mr. Phil Cole, New Jersey Department of Environmental Protection. The meeting was adjourned at 8:28 PM.
- The next RAB is scheduled for November 14, 2013.

# Joint Base McGuire-Dix-Lakehurst (JB MDL) Restoration Advisory Board (RAB) Draft Meeting Minutes Meeting No. 44 – 14 November 2013

SUBJECT:

Restoration Advisory Board (RAB) Meeting No. 44 – Meeting Minutes

1) <u>Place</u>: Edward Holloway Senior Citizen Community Center, 5 Cookstown Browns Mills Road, Cookstown, New Jersey

2) Date/Time: Thursday, 14 November 2013; 6:30 PM

3) <u>Co-Chairs</u>: COL Ivory Carter, Deputy MSG Joint Base Commander, JB MDL Mr. Michael Tamn, Resident, Pemberton Township, New Jersey

#### 4) Attendees:

Mr. Thomas Besselman Pemberton Township, RAB Member Mr. Haiyesh Shah New Jersey Department of Environmental Protection Mr. Phil Cole New Jersey Department of Environmental Protection Mr. Joseph Marchesani New Jersey Department of Environmental Protection Mr. Chris Archer JB MDL, 87 CES, Deputy Civil Engineer Mr. Joe Rhyner JB MDL, 87 CES/CEAN, Chief, Environmental Division Mr. Curtis Frye JB MDL, AFCEC/CZO, Chief, Environmental Restoration Program Mr. Michael Figura JB MDL, AFCEC/CZO, Environmental Restoration Program Mr. King Mak JB MDL, AFCEC/CZO, Environmental Restoration Program Mr. Michael Wierman JB MDL, AFCEC/CZO, Environmental Restoration Program (CN) Ms. Nicole Brestle JB MDL, AFCEC/CZO, Environmental Restoration Program (CN) Mr. Michael Brown JB MDL, AFCEC/CZO, Environmental Restoration Program (BAH) Mr. Mark Moese AECOM

Mr. Michael Bolen Leidos Mr. Greg Kendall ECC<sup>®</sup> Mr. Doug McClure **ECC** Mr Allen Fillip **AMEC** Mr. Everett Wessner AMEC Mr. Eric Stahl Weston Mr. Jim Richman CB&I Mr. Mark Jaworski Weston Ms. Kathy McGuire Tetra Tech Mr. Vlad Odarchenko Tetra Tech Mr. Jeff Parks **AMEC** Mr. Mark Tucker CB&I Mr. Mike Brewin Plexus **URS** Mr. George Leahy Mr. Constantine Tsentas **PARS** Mr. Van Ekambrem URS Ms. Chun-T Huang **BEM** Mr. John King **BEM** 

Ms. Charlotte Comisky

JB MDL

Ms. Susan Ryan

Burlington County College

#### 5) Handouts

- JB MDL Restoration Advisory Board, Meeting No. 43, 8 August 2013, Draft Meeting Minutes
- JB MDL Restoration Advisory Board, Meeting No. 44, 9 November 2013, Agenda
- JB MDL Restoration Advisory Board, Meeting No. 44, 9 November 2013, Presentation Slides
- JB MDL Restoration Advisory Board, Document Availability List, November 2013

#### 6) Call to Order:

The meeting was called to order by Mr. Curtis Frye who briefly introduced COL Ivory Carter as the RAB Co-Chair for this evening.

#### 7) Minutes of Previous Meeting and Review of Agenda Items:

Mr. Tamn asked for a motion to approve the minutes from the 8 August 2013 RAB meeting. Mr. Phil Cole made the motion which was seconded by Mr. Haiyesh Shah; the minutes were approved.

#### 8) Review of Action Items from the August 2013 RAB:

Mr. Curtis Frye, Chief, JB MDL Environmental Restoration Program, issued a second call for comments on the updated Restoration Advisory Board Charter. Comments on the Draft RAB charter are due no later than 1 December 2013. Members can contact Ms. Brestle with comments.

Joint Base McGuire-Dix-Lakehurst plans to issue a RAB Handbook is planned for issue at the February RAB. The RAB Handbook will include the RAB Charter, points of contact, the Community Involvement Plan (CIP), and JB MDL Site Fact Sheets.

Joint Base Information Repository/Administrative Record Update: Many hard copy documents at the Westampton Branch of the Burlington County Library are missing. An electronic copy of the IR/AR has been placed at the circulation desk. The Air Force is still in the process of getting a web based AR up and running.

The Fence the Fence Performance Based Contract is still scheduled for an FY14 award, please contact Susan Trussell (918) 669-7046 for updates.

#### 9) Remedial Investigations/Interim Remedial Actions at 16 McGuire Petroleum Compliance Sites:

Ms. Kathy McGuire, Project Manager, Tetra Tech, provided a comprehensive overview on the environmental work that has been completed to date and projected path forward for compliance sites located on McGuire. Key points included:

- Remedial Investigations completed at 16 sites:
  - Soil borings, temporary and permanent groundwater monitoring wells to evaluate sources of contamination;
  - Vapor intrusion studies, risk assessments, and baseline ecological evaluations where necessary based on exceedences of specified standards; and
  - o Interim removal actions by excavation of contaminated soils at six sites.

#### 10) Dix Magazine-1 Area, Site SS007 Bioaugmentation System Update:

Mr. Mark Tucker, Project Manager, CB&I, provided an update on the progress of the Bioaugmentation recirculation system at the Magazine-1 site. The update included brief hydrogeology summary including a plume conceptual site model which provided a detailed explanation of site soil permeability and the relation to the Magazine-1 Area soil injection points. Key points included.

- Overview of treatment system and bioaugmentation process.
- System operation timeline.
- Overview of pre and post treatment results.
- Contract status and current scope of work. Current scope of work includes:
  - Addition of amendments every two weeks;
  - o Conduct quarterly performance monitoring;
  - o Evaluation of effectiveness;
  - o Downgradient monitoring;
  - o Long term monitoring; and
  - Quarterly reporting.

#### 11) BOMARC OT-16 TCE PLUME Pilot Study Status Update:

Mr. James Richman, Project Manager, CB&I, provided an overview presentation of Site OT-16's Pilot Study that is being conducted on TCE contaminated groundwater at the BOMARC facility. To date, the following has been completed:

- Final Pilot Test Work Plan April 2013
  - o Initiated pre-injection activities on 11 April 2013
    - Mobilized on 13 May 2013
    - Initiated injections on 16 May 2013
    - Completed injections on 11 October 2013
- Final RI Report Group 4 Sites: WP-05, ST15, OT16, Hydraulic Oil (BOMARC Missile Sites) on 2 October 2013
  - o NJDEP approved the RI report, concurred with the recommendation that the "groundwater contamination for WP-05 and OT-16 can be managed as one plume".

#### 12) Public Comments:

No public comments.

#### 13) Meeting Adjourned:

- Mr. Michael Tamn, RAB Co-Chair, made a motion to adjourn the meeting which was approved by Mr. Phil Cole, New Jersey Department of Environmental Protection, and seconded by Mr. Haiyesh Shah, New Jersey Department of Environmental Protection. The meeting was adjourned at 8:08 PM.
- The next RAB is scheduled for March 20, 2014.

#### 87th Air Base Wing



Joint Base McGuire-Dix-Lakehurst **Restoration Advisory Board** 14 November 2013



#### JB MDL Information Repository/Administrative Record (AR/IR) Update



- Many documents at the Burlington County Library are
- Short term plan: JB MDL will be placing an electronic copy (DVD's) of the AR/IR for McGuire, Dix, and Lakehurst at the library main desk. The DVD's will need to be signed out, used at a set aside work station, and returned to the circulation desk
- Long term plan: Use Air Force-wide Administrative Record web site. Awaiting notice of web-site launch date
  - Contact Nicole Brestle for updates: (609) 754-0068 or nicole.brestle.ctr@us.af.mil

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**Outstanding Action Items** from Previous RAB Meeting

Mr. Curtis Frye Chief, Environmental Restoration Program 87 CES/CEAN



#### Performance-Based **Remediation Contract**



- JB MDL planning a 10 year, fixed-price performancebased remediation contract (PBR) for approximately 100 sites
- Includes CERCLA and petroleum UST sites. No MMRP
- RFP will detail the Minimum Performance Objective (MPO) required for each site
  - Remedy in Place (RIP)
  - Response Complete (RC)
  - Site Closure (SC)
  - Optimized Exit Strategy (OES)

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#### **Outstanding Action Items**



- Update RAB Charter
  - Copies of McGuire RAB Charter distributed at May RAB. solicited input from RAB members
  - Handed out new draft JB MDL RAB Charter at August RAB, requested comments by 01 October - no comments received
  - Second call request comments by 01 Dec on draft JB MDL **RAB Charter**
- RAB Handbook
  - Plan to Issue at February RAB includes:
    - · RAB Charter (sign at February RAB if final)
    - · Community Involvement Plan (CIP) (awaiting final signature)
    - · Site Fact Sheets
    - RAB member contact list

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#### Performance-Based **Remediation Contract**



#### JB MDL PBR Schedule

Pre-Solicitation	Solicitation	Post Award Implementation
PBF Reference Profession Canadate Document Planning Evaluation Preparation	Angeletion Proposal Passage Constator Preparation for Development Site Visit Evaluation	Proposal Contract Contract Proposal Contract Contract Evaluation Award Implementation
Spring/Summer 2013	Summer/Fall 2013	4th Qtr FY 2014

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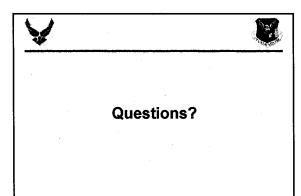


#### Performance-Based **Remediation Contract**



- Contract will be awarded through Army Corps of Engineers, Tulsa District
- Stand alone contract planned
- Award planned for summer 2014 (4th Qtr FY14)
- ACOE Tuisa POC: Susan Trussell, 918-669-7046

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#### Performance-Based **Remediation Contract**



- Award Schedule: (tentative)
- Synopsis (Advanced Notice) February 2014
  - Posted to FedBizOps
  - Draft list of Sites/MPO's
  - . Link to Government furnished information (GFI) Air Force Admin Record Web Site, supplemented by Google Docs site
  - Request for Proposal March 2014
    - Pre-Proposal Conference / Site Visit
    - · Proposal Period Approximately 2 Months
  - Award 4th Qtr FY 14

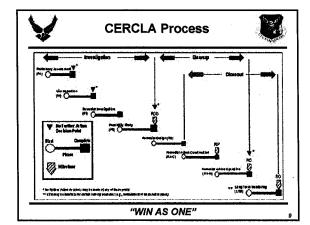
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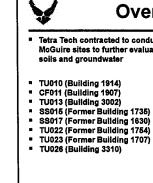
#### 87th Air Base Wing



Remedial Investigations/Interim Remedial Actions at 16 McGuire Petroleum Compliance Sites

> Mr. Michael Figura - Project Manager, JB MDL Ms. Kathy McGuire - Project Manager, Tetra Tech





## Overview

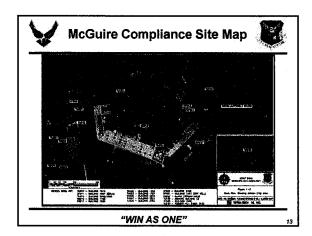


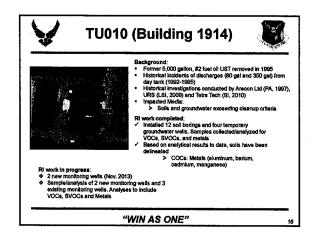
- Tetra Tech contracted to conduct remedial investigations (RI) at 16 McGuire sites to further evaluate the extent of contamination in soils and groundwater

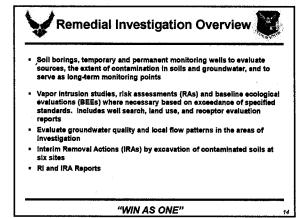
- TU027 (Building 3323)

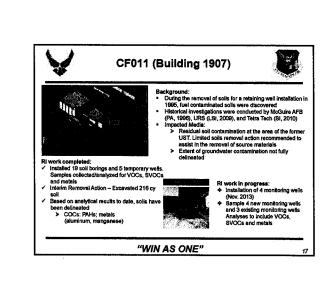
- TU027 (Building 3323)
  TU028 (Building 3456)
  TU029 (Building 3446)
  AT030 (BOMARC AST)
  TU033 (Former Fill-Stand 3432)
  LF500 (Building 3408)
  DP501 (Building 1907)
- SS502 (NJANG Fuel Oil Spill Site)

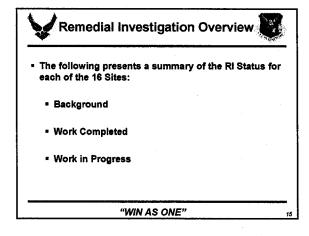
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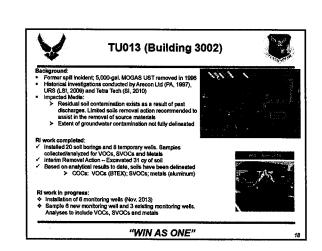


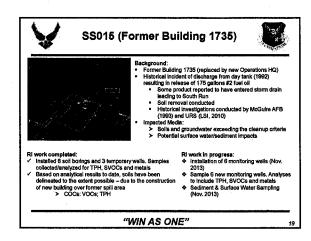


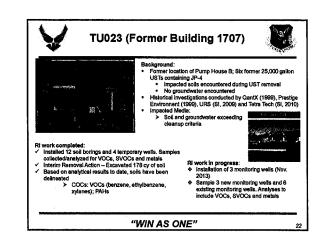


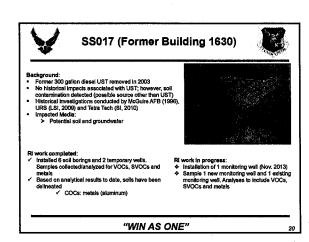


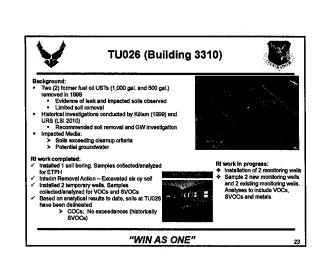


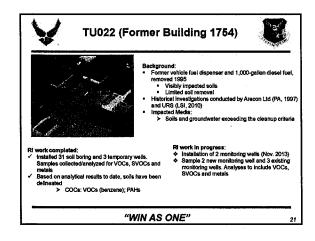


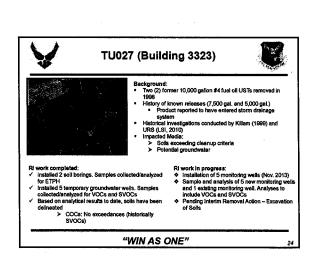


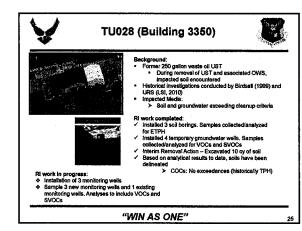


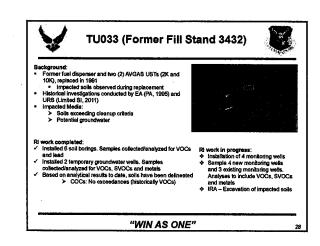


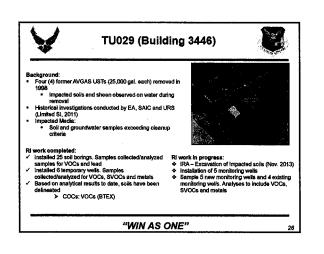


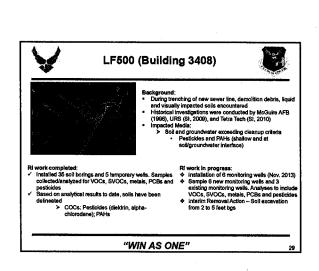


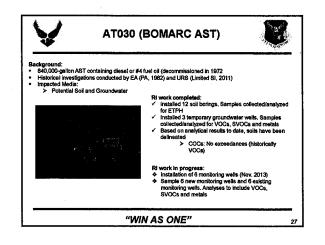


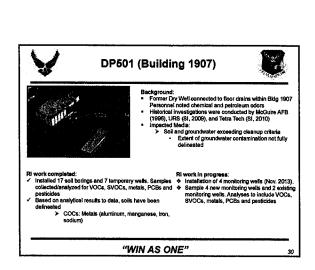


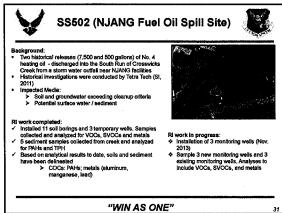












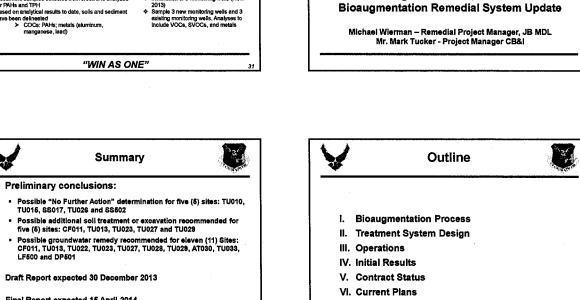
Summary

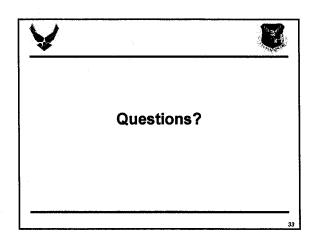
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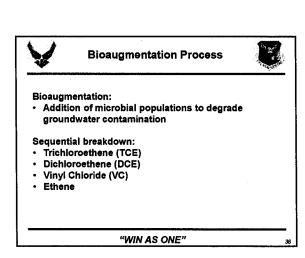
· Preliminary conclusions:

TU015, SS017, TU026 and SS502

Final Report expected 15 April 2014



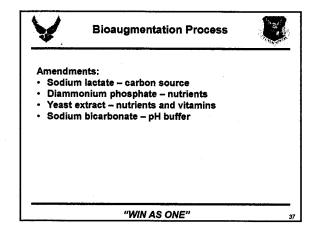


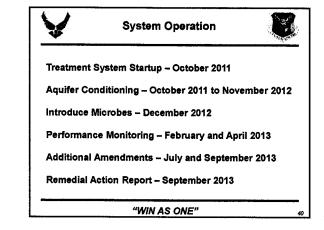


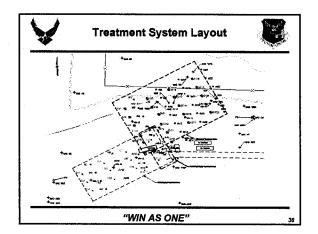
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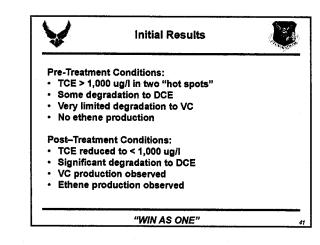
87th Air Base Wing

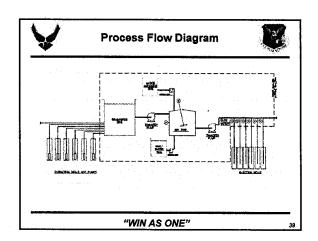
Dix Magazine-1 Area, Site SS007

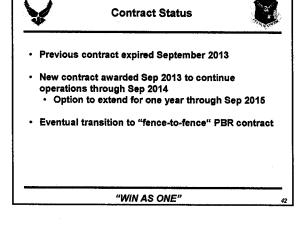














#### **Current Scope of Work**



- · Add amendments for two weeks every two months
- · Conduct quarterly performance monitoring
- Evaluate effectiveness and adjust operating conditions
- · Prepare Quarterly Reports
- · Establish downgradient monitoring program
- · Initiate long term monitoring

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## BOMARC OT-16 TCE Groundwater Plume



#### **Current Status/Milestones:**

- Final Pilot Test work plan 24 April 2013
- NJDEP approved 11 April 2013
- Initiated pre-injections activities 11 April 2013
- Mobilized 13 May 2013
- Initiated injections 16 May 2013
- Completed 100% injections 11 Oct 2013
- Final RI Report Group 4 Sites: WP-05, ST-15, OT-16 Hydraulic Oil (BOMARC Missile Sites) – 2 Oct 2013
  - NJDEP approved the RI Report, concurred with recommendation that "groundwater contamination for WP-05 and OT-16 be managed as one plume"

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#### Questions?

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# BOMARC OT-16 TCE Groundwater Plume

#### 87th Air Base Wing



BOMARC OT-16 TCE Plume Pilot Study Status Update

King Mak – Project Manager, JB MDL James Richman- Project Manager, CB&I



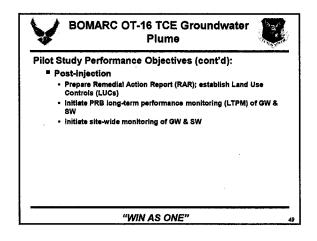
## BOMARC OT-16 TCE Groundwater Plume

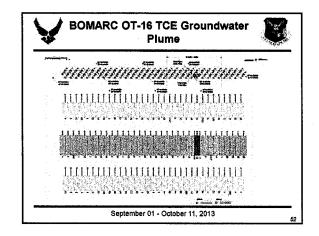


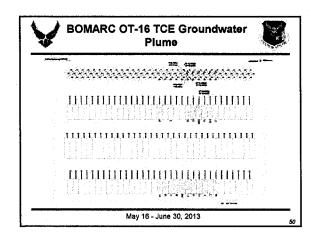
#### Pilot Study Performance Objectives:

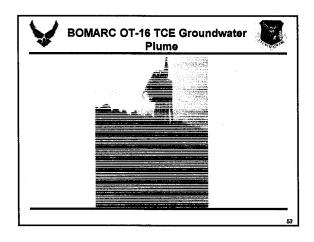
- ✓ Pre-injection
  - ✓ Clear vegetation, install gravel road (as necessary)
  - ✓ Install 4 monitoring wells (MW) (2 shallow/2 deep) at permeable reactive barrier (PRB) edges
  - ✓ Complete baseline groundwater and surface water sampling
  - ✓ Complete baseline hydraulic conductivity testing
- Phase I & II Injections
- Complete Phase I PRB injections (to determine final specs)
   Perform geochemical monitoring of GW to confirm target radius of influence (ROI)
  - Complete Phase II PRB injections (based on Phase I)
  - Complete GW monitoring to evaluate effectiveness and hydraulic monitoring, conductivity testing, and dye test to evaluate permeability

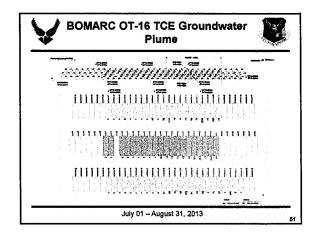
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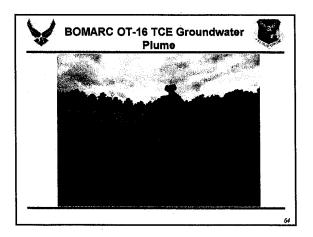


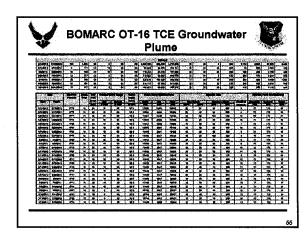


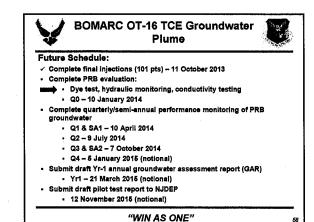


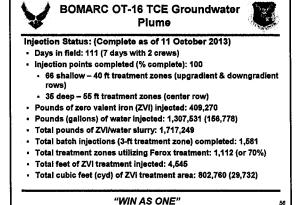




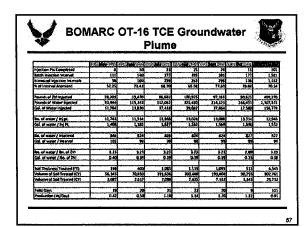


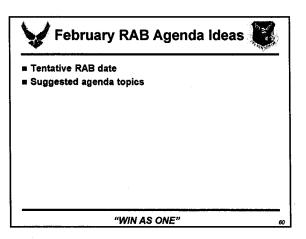


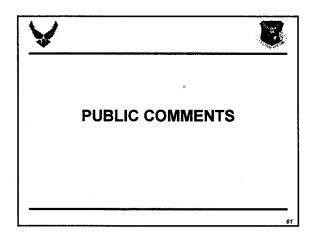












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