

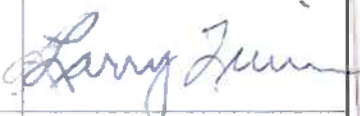
**U.S. Army Garrison Fort Monmouth
Restoration Advisory Board (RAB)
April 8, 2010 ~ 7:00 p.m.**

AGENDA

- 1. Call meeting to order - James Allen**
- 2. Comments old business – James Allen**
 - **Approval of the July 9, 2009 and January 14, 2010 Meeting Minutes.**
- 3. Discuss the status of:**
 - **Second round of In-Door Air Quality (Vapor Intrusion) – Wanda Green**
- 4. Discuss Unregulated Heating Oil Tank (UHOT) removals – Harold Hornung from Tecom-Vinnell Services**
- 5. Discuss status of Baseline Ecological Evaluation (BEE) Work Plan. – Shaw Environmental.**
- 6. Discuss Technical Assistance for Public Participation (TAPP) – Wanda Green**
- 7. Discuss National Environmental Policy Act (NEPA) Process – Wanda Green**
- 8. Round table discussion.**
- 9. Discuss 2010 meeting schedule.**
 - Thursday, July 8, 2010**
 - Thursday, October 7, 2010**
- 10. Public comments/questions.**
- 11. Meeting adjourned.**

2010 Fort Monmouth Restoration Advisory Board

Date: April 8, 2010

NAME	ORGANIZATION	ADDRESS	TELEPHONE	EMAIL	SIGNATURE
Col. Stephen Christian	U.S. Army Fort Monmouth	U.S. Army Fort Monmouth ATTN: IMNNE-MON-ZA Fort Monmouth, NJ 07703	W - 732-532-9504	stephen.christian@us.army.mil	
Wanda Green	U.S. Army Fort Monmouth	Directorate of Public Works 173 Riverside Drive Fort Monmouth, NJ 07703	W - 732-532-8341	wanda.green1@us.army.mil	
Joe Fallon	U.S. Army Fort Monmouth	Directorate of Public Works 173 Riverside Drive Fort Monmouth, NJ 07703	W - 732-532-8223	joseph.m.fallon@us.army.mil	
Larry Quinn	NJDEP Division of Publicly Funded Site Remediation	NJDEP Div. of Publicly Funded Site Remediation 401 E. State St., CN 413 Trenton, NJ 08625	W - 609-633-0766	larry.quinn@dep.state.nj.us	
William Simmons	Monmouth Co. Dept. of Health	Monmouth County DOH 3435 Hwy 9 Freehold, NJ 07728	732-431-7456	wsimmons@co.monmouth.nj.us	
Dan Levine	Little Silver Business - Little Silver Community Hardware	44 Church St. Little Silver, NJ 07739	H- Redacted - Privacy Act W-732-747-2133 F-732-747-5420	hardwaredan@verizon.net	
Brain Charnick	Resident - Eatontown	Redacted - Privacy Act	H- Redacted - Privacy Act W- Redacted - Privacy Information C- Redacted - Privacy Act H- Redacted - Privacy Act W- Redacted - Privacy Information	Redacted - Privacy Act	
Edward J. Dlugosz	Resident - Eatontown		H- Redacted - Privacy Act H- Redacted - Privacy Act W- Redacted - Privacy Information		
Frank Barricelli	Resident - Oceanport		H- Redacted - Privacy Act H- Redacted - Privacy Act W- Redacted - Privacy Information		
Jim Modlin	Resident - Oceanport		H- Redacted - Privacy Act H- Redacted - Privacy Act W- Redacted - Privacy Information		
James Allen	Resident - Tinton Falls		H- Redacted - Privacy Act		
Dianne M. Crilly	Resident - Shrewsbury		H- Redacted - Privacy Act H- Redacted - Privacy Act W- Redacted - Privacy Information C- Redacted - Privacy Act		
Rosemary Brewer	Resident - Little Silver		H- Redacted - Privacy Act H- Redacted - Privacy Act W- Redacted - Privacy Information C- Redacted - Privacy Act		
Tim Rider	U.S. Army Fort Monmouth	Media Relations, Bldg 1207 Fort Monmouth, NJ 07703	W - 732-532-1409	timothy.rider@us.army.mil	

FORT MONMOUTH RESTORATION ADVISORY BOARD (RAB) MEETING

April 8, 2010 ~ 7:00 PM

SIGN-IN SHEET

PRINT NAME	ORGANIZATION	ADDRESS	TELEPHONE	EMAIL
Sara Breslow		Redacted - Privacy Act		
Tom Menapace	Franklin, NJ	Redacted - Privacy Act		
Tom Menapace	SHREWSBURY BORO	Redacted - Privacy Act		
Diane Canterbury	Franklin, NJ	212 CORBETT WAY ELMER NJ 07821	732-935-5966	diane.canterbury@franklin.state.nj.us
DRUGOSZ	RAB			
Heather Saffert	Clean Ocean Action	Redacted - Privacy Act	Redacted - Privacy Information	science & clean ocean action.org
Teresa Forbes	Eaton town Councilwoman	Redacted - Privacy Act		Tforbes@eatontownnj.com
Mark Regan	EATONTOWN COUNCIL	Redacted - Privacy Act		mregan@eatontownnj.com

FORT MONMOUTH RESTORATION ADVISORY BOARD (RAB) MEETING

April 8, 2010 ~ 7:00 PM

REQUEST TO ASK QUESTIONS

PRINT NAME	ORGANIZATION	ADDRESS	TELEPHONE	EMAIL
Sara Breslow		Redacted - Privacy Act		
Tom Menapace		Redacted - Privacy Act		
Heather SAFFERT	Clean Ocean Action	Highlands	Redacted - Privacy Act	science & clean ocean action.org
TOM MAHEEDY	www.Fraser.org.uk	Redacted - Privacy Act		

Unregulated Heating Oil Tank (UHOT) removal update April 8, 2010



Parcel 79

- 4 UHOTS were suspected from the Shaw Geophysical Investigation
- All four were confirmed and removed



Parcel 79

An additional investigation stemmed from review of aerial photos, historical files, and real property records. The findings indicate:

10 additional suspect areas needed to be investigated

To date 2 of the ten have confirmed UHOTS

2 areas did not have UHOTS

6 areas still need to be investigated



Parcel 79-6
Lorco Petroleum pumped out 900 gallons of 80% oil and 20% water
from the UHOT



Parcel 79-6
1000-gallon UHOT
Excavated 40 cubic yards of petroleum contaminated soil



Parcel 76-6
Excavation prior to remediation



Parcel 79-6

After post excavation samples were collected, the excavation was back filled and top soil is staged .



Parcel 79 UHOT from Building 448

One of the ten additional areas that was investigated



Parcel 79 Building 448
1000-gallon UHOT was filled with oil.
Excavated 36 cubic yards of petroleum contaminated soil



Parcel Building 448
Excavation has been back filled and top soil is staged .



Parcel 76 Building 440
The second of the ten areas from the additional investigation



Parcel 79 Building 440
30 cubic yards of petroleum contaminated soil were excavated from the
UHOT site



Parcel 79 Building 440

After post excavation samples were collected, the excavation has been backfilled and topsoil and seed has been applied to the site.



Parcel 79-12

Removed 975 gallons of oil and water from the tank.



Parcel 79-12
During the tank inspection rusting and pitting was noted.



Parcel 79-12
30 cubic yards of petroleum contaminated soil were excavated from the site. Post excavation samples were collected and the excavation was backfilled.



Parcel 79-12
Site after it was back filled.



Parcel 79-18
40 cubic yards of petroleum contaminated soil were excavated from the site and transported to the soil pad adjacent to Building 490. Post excavation samples were collected and came back below regulatory levels.



Parcel 76-18

Site was backfilled with clean bank run sand
Once the area has dried topsoil and grass seed will be applied.



Parcel 79 Building 435

No UHOT was found during the investigation. Some abandoned phone lines were uncovered.



Parcel 79 Building 435
No UHOT found in a second excavation for this site.



Parcel 79 Building 430
No UHOT discovered during the
investigation.



Future work in Parcel 76

Four of the six UHOTs were removed
Three of the six sites require remediation



Parcel 76

Additional work included replacing two utility poles that were deteriorated and their location may have impeded completing the soil remediation.



Parcel 76
New utility pole



Parcel 76

Existing water line (blue flags) and sewer line (green flags) that are scheduled to be relocated in order to complete remediation of UHOTS 76-9, 13, & 20. The water line will be installed at the base of the hill and the sewer line will be replaced in the existing location.



Parcel 76
Staging area for new water line (12") and sewer line (18") and sand
back fill.



QUESTIONS ??



2005 BRAC

Fort Monmouth

Baseline Ecological Evaluations

Work Plan

April 8, 2010



Tracking Number



1



Shaw Environmental & Infrastructure, Inc.

Overview

- **Basic Elements of a BEE**
- **Work Plan**
- **Sampling and Analysis Plan**
- **Path Forward**

Tracking Number



2



Shaw Environmental & Infrastructure, Inc.

Basic Elements of the BEE

- **Examine the Site for Co-occurrence of**
 - Contaminants of Potential Ecological Concern (COPECs)
 - Environmentally Sensitive Areas
 - Chemical Migration Pathways

Tasking Number



3



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Sources Used in BEE

- Existing Site Documents
- Existing Analytical Data
- Qualitative Site Visit



Tasking Number



4



Shaw® Shaw Environmental & Infrastructure, Inc.

Steps Completed

- **Examined Existing Data for Identification of Data Gaps**
- **Qualitative Site Visit**
- **Assess potential migration pathways**

Tracking Number



5



Shaw® Shaw Environmental & Infrastructure, Inc.

Environmentally Sensitive Areas

- **Identified Through**
 - Site Visits
 - Reports
 - NJDEP Resources
- **Report includes map indicating environmentally sensitive areas**



Tracking Number



6



Shaw® Shaw Environmental & Infrastructure, Inc.

BEE Report

- **Brief Report to Document Conditions**
- **Stand-Alone or Part of SI Report – Stand-Alone will be developed for Ft Monmouth**
- **Presents Decision Regarding the Need for Further Studies**
 - Based on Technical Information and Best Professional Judgment

Tracking Number



7



Shaw Environmental & Infrastructure, Inc.

Elements of Work Plan

- **Identify Sites for BEEs**
- **Screening Criteria**
- **Sampling & Analysis Plan**

Tracking Number



8



Shaw Environmental & Infrastructure, Inc.

Identify Sites for BEEs

- 15 IRP Sites considered to require further evaluation through the BEE process
- Additionally, 8 sites identified through the Environmental Condition of Property (ECP) process considered to require further evaluation through the BEE

Listing Number



9



Shaw Environmental & Infrastructure, Inc.

IRP Sites - CWA



Listing Number



10



Shaw Environmental & Infrastructure, Inc.

IRP Sites - Main Post



ECP Sites - CWA



ECP Sites - Main Post



Screening Levels

- Analytical Results Compared to screening levels
 - Screening levels recommended by NJDEP
 - Compilation from many different sources
 - Screening levels are conservative
 - For screening purposes only, not considered regulatory values or cleanup numbers
 - Weight-of-evidence approach

Data Gaps

- **Existing Data**
 - Quite Extensive for some sites in some media
 - e.g., quarterly groundwater samples over several years
- **Missing Information may automatically trigger Tier II investigations**
 - Example: Site has subsurface contaminants; creek flows adjacent to site; potential migration pathway from sul surface water
 - Potential for Ecological Impact May Exist
- **Fill Obvious Data Gaps Prior to BEE**
 - Data is there to help screen out sites
 - Data is there to help focus additional investigations
 - Eliminate additional or unnecessary steps



15



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Sampling & Analysis Plan

- **Identify needs for additional data**
- **Identify sample locations**
- **Identify analytical parameters**

16



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Existing Data

- **IRP Sites**
 - Over 1300 Soil Samples
 - Approximately 100 Currently Monitored Groundwater Wells

Tracking Number



17



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Samples to be Collected

- **97 Sediment Samples**
- **50 Surface Water Samples**
- **4 Soil Samples**

Tracking Number



18



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Samples at Main Post

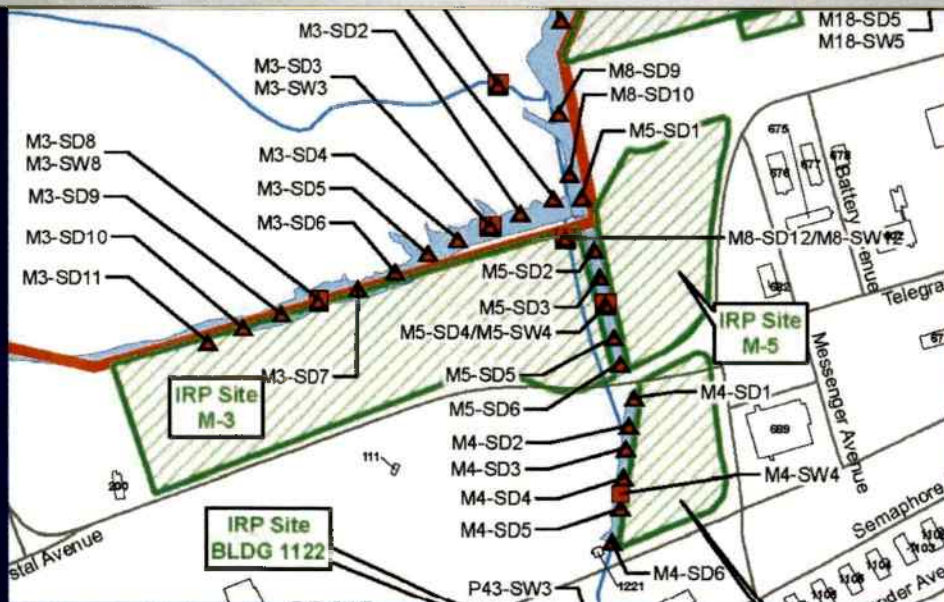


19



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Example: Sample at M-3, M-4, and M-5



20



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Analytical Parameters

- **Volatile Organic Compounds**
- **Semivolatile Organic Compounds**
- **Metals**
- **PCBs**
- **Pesticides**
- **Other characterization parameters (pH, grain size, etc.)**

Tracking Number



21



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Steps for BEE Completion

- **Sample to Fill Data Gaps**
- **Compile Tables of Analytical Data**
 - By Medium and Chemical Fraction
 - Compare to Screening Values
- **Prepare Appropriate Maps**
 - Major Ecological Habitats
 - Land Use
- **Prepare Report with Recommendations**

Tracking Number



22



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Report Results and Discussion

- **Summarize results**
- **Interpret findings of the evaluation**
- **Present recommendations**
 - No further ecological evaluations required
 - Further ecological evaluation required (filling of data gaps, Tier II, etc.)

Tracking Number



23



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Path Forward

- **Sampling**
- **Analysis**
- **Report**

Tracking Number



24



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