

**WAIKANE TRAINING AREA
RESTORATION ADVISORY BOARD (RAB) MINUTES
WEDNESDAY, MAY 7, 2014
WAIAHOLE ELEMENTARY SCHOOL CAFETERIA
48-215 WAIAHOLE VALLEY ROAD
WAIAHOLE, ISLAND OF OAHU, HAWAII**

1. Kevin Pien called the meeting to order at 7:15 p.m. and welcomed everyone.
2. Those in attendance included Government Co-Chair Kevin Pien, Kevin Nishimura, Michael Mullen, and Kanalei Shun of U.S. Army Corps of Engineers (USACE); RAB Community Co-Chair David Henkin, RAB members John Adolpho, Byron Ho, Kyle Kajihiro, Steven Mow, and Paul Zweng.

Others in attendance included Robert H-H Harter from DEM, City & County of Honolulu.

Contractors present included David Wolf, Doug McCue and Eric Brundage of Zapata, Incorporated (ZAPATA), and Clayton Sugimoto of WCP Inc.

RAB members absent were Walea Constantinou, Todd Cullison, Robert Fernandez, Chris Lopes, Roger Morey, Bernie Panoncial, Eunice Lehua Pate and Poola Villarimo.

The agenda of the meeting was:

- I. Welcome/Introductions
- II. Review/Approval of June 2013 Meeting Minutes
- III. Update on Remedial Investigation: Follow-on Field MEC Investigation, David Wolf of ZAPATA.
- IV. Next Meeting

Name	Action Items from 7 May 2014	Suspense Date	Completed

- I. Welcome and Introductions
- II. Review/Approval of June Meeting Minutes
 - o Kevin Pien stated there were no public comments received during the comment period
 - o June Meeting Minutes approved as submitted unanimously by RAB members
- III. Update on Remedial Investigation: Follow-on Field MEC Investigation, David Wolf of ZAPATA.
 - A. FUDS Program

- Congress established the Formerly Used Defense Sites (FUDS) Program in 1986. US Army Corps of Engineers manages the FUDS Program for Department of Defense (DoD). The Corps of Engineers Honolulu District manages FUDS projects including the former Waikane Training Area.
- Formerly Used Defense Sites
 - i. *FUDS are properties that were formerly owned, leased, possessed by, or otherwise under the operational control of the DoD or military prior to October 17, 1986.*
- FUDS program follows the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) process

B. CERCLA Process

- Two MRS's that are currently in the decision document phase
- Another MRS that has fallen back into the RI/FS phase
- Emphasis on the public as a major component
 - K. Pien stated public involvement does not end at the decision document phase, it could extend into the remedial action and to the long-term management.

C. Goals of CERCLA

- Protect Human Health and Welfare
- Protect and Preserve the Environment
- Manage Risk

D. Remedial Action Objectives

- Manage MEC exposure risk through a combination of removal/remediation, administrative controls, and/or public education; thereby rendering the site as safe as reasonably possible to humans and the environment and conducive to the anticipated future land use

E. Former Waikane Training Area

- 3 MRS Sites
 - i. Western Mountainous Region MRS
 - ii. Southern Impact Region MRS
 - iii. Southeastern Region MRS

F. MEC Hazard Assessment (HA) Results

- MEC HA not necessary in Western/Mountainous Region MRS
 - i. No MEC has been found during previous investigations
 - ii. Very limited site accessibility and anticipated future land use activities

iii. A complete MEC exposure pathway (i.e., MEC source, receptor, and receptor acting upon MEC item) is unlikely

- Baseline condition is “post removal action” in the Southern Impact Region and Southeastern Region MRSs
- MEC HA hazard level “4” identifies low potential explosive hazard conditions in Southern Impact Region MRS and Southeastern Region MRS
- MEC may still pose a hazard

G. Human Health and Ecological Risk Assessment Results

- Elevated MC concentrations in soils were limited to the Southeastern Region MRS in a localized area within removal are AOC #2
- Confirmation subsurface soil samples were collected at location of highest lead concentration within AOC #2 (Southeastern Region MRS)
- Confirmation samples were below State of Hawaii, Department of Health (HDOH) Environmental Action Level (EAL) for lead
- Relatively low magnitude of exceedances
- Negligible risk potential to human health or ecological receptors from MC exposure in soil

H. Western/Mountainous Region MRS

I. Selected Alternative Western/Mountainous Regions MRS

- Alternative 2-Land Use Controls
 - i. No Further Action for MC
 - ii. Community Education and Awareness Program
 - iii. Five-year Reviews to confirm the LUCs remain effective in controlling potential explosive hazards
 - iv. Approximately \$747,170 to administer LUCs over 30 years

J. Southeastern Region MRS

K. Selected Alternative Southeastern Region MRS

- Alternative 4-Surface and Subsurface MEC Removal and Implementation of LUCs
 - i. No Further Action for MC
 - ii. Focused removal in expanded area around AOC #2; areas where anticipated future land use includes intrusive activities (agricultural); and relatively high density MD area southwest of AOC #2. Approximately 36 ac
 - iii. LUCs - Community Education and Awareness Program
 - iv. Five-year Reviews to confirm the response remains protective of human health

- v. Approximately \$3,844,760 for the remedial action and to administer LUCs over 30 years

L. Southeastern Region MRS Surface/Subsurface Removal Action Areas

M. Decision Documents

- Identifies selected alternative for each MRS
 - Received no public or Regulator comments on Proposed Plan
 - Documents reviewed by State of Hawaii Department of Health
 - Place final Decision Document in Information Repository and Administrative Record File
- David Henkin: The additional 36 acres of surface/subsurface removal in the Southeastern Region is that identified based on communication with the landowner?
 - David Wolf: Yes, there was communication with the landowner and also included a comment from one of the RAB members after the Feasibility Study.

N. Remedial Investigation (RI) Objective

- Define the **NATURE** and **EXTENT** of Munitions and Explosives of Concern (MEC) Contamination
 - i. Additional Field Work to Support RI
 - ii. Amend RI Report with New Results
 - iii. Based on Anticipated Future Land-use Activities

O. Southern Impact Region MRS

P. Field Investigation Sectors

- Additional field work
 - i. 1.46 acres-North Sectors
 - 1. Based on ground-truthing, suspect the area is not conducive to the anticipated land use. In communication with the landowner to reallocate the area more toward the stream.
 - ii. 0.52 acres-South Sectors

Q. Field Investigation Tasks

- Approximately 2.0 acres of Investigation – 100% Analog-and-Dig coverage
- Conducted in Accordance with Existing Work Plan
- Limited Brush Clearing to Facilitate MEC Investigation
- Surveying
 - i. Trimble GeoXH with External Antenna
- Intrusive Investigation for MEC
 - i. Minelab Hand Held Metal Detectors

- Archeological and Biological Monitoring
- Established QA/QC Procedures

R. Brush Clearing

- Sectors will be cleared of vegetation to facilitate intrusive operations
- Biological and Archeological escorts

S. Surveying

- Navigation and Intrusive Results for Sectors will be recorded with GPS survey instrumentation

T. Intrusive Investigation

- UXO Technician II (Detects metal using a Metal Detector)
 - Two onsite
- UXO Technician I (Excavates metal using a Shovel)
 - Two onsite
- UXO Technician III (Records Intrusive Results)
 - One onsite

U. Remedial Investigation Report Addendum

- Risk Assessment
 - i. MEC Hazard Assessment – Reviewed/Updated
 - 1. Qualitative measure of an explosive hazard to human receptors.
 - ii. Human Health Risk – Complete
 - 1. Evaluates potential risk to human health presented by munitions constituents.
 - iii. Ecological Risk – Complete
 - 1. Evaluates potential risk to the environment presented by munitions constituents.

V. What Happens Next?

- Field Work
 - i. 12 May - 05 June 2014
- RI Report Addendum
 - ii. Field results will be discussed at August RAB Meeting
 - iii. Final: September 2014
- Proposed Plan
 - iv. Present recommended Alternatives

v. Public Meeting

vi. 30 day Public Review

vii. August 2014

- Decision Document

viii. Final: October 2014

W. Safety

- RECOGNIZE-Military Items can be DANGEROUS
- RETREAT-DO NOT TOUCH IT! Move away from the area
- REPORT-CALL 911

X. Question and Answer Session

- David Henkin: What was the trigger to decide to go back in for a more intensive investigation in those particular areas?
- Kevin Pien response: Land use is driving us to go back to the RI/FS phase. We need to investigate further the land use and whether it is compatible with the remedy selected. The technical reviewers had some issues with us proceeding to go forward with the remedy proposed in the Southern Impact Area. They felt it was appropriate to go back to the RI/FS phase and look at it closer, now that we know what the land use is.
- David Henkin: Is it a logistical thing?
- Kevin Pien response: The reason why they had issues with the proposed remedy is that we had not found MEC found in the Southern Impact Area since the EE/CA phase. No MEC was found during the RI and removal action.
- David Henkin: Has the price changed in the Southern Region for Alternative 4?
- Kevin Pien response: It was reduced by the amount of the removal of the acreage work. Whereas, the long term monitoring cost in the decision document will still remain.

IV. Next Meeting

- Tentatively Scheduled for Wednesday August 20, 2014.

- Kevin Pien adjourned the meeting at 07:55 p.m.