





Kirtland Air Force Base Citizen's Advisory Board (CAB)

Cesar Chavez Community Center 7505 Kathryn Avenue SE Albuquerque, New Mexico 87108

> August 21, 2012 6:00 – 8:00 p.m.



Agenda



- Introduction
- Department of Defense Presentation Bulk Fuels Facility Update (Site SS-111)
 - Colonel Jeff Lanning, Commander, 377th Mission Support Group
 - Tom Cooper, Shaw Environmental & Infrastructure Inc.
- Summary
- Discussion
- CAB Process and Agenda for next CAB



Acronyms



- ATSDR Agency for Toxic Substances and Disease Registry
- BTEX Benzene, toluene, ethylbenzene, xylene
- CAB Citizen's Advisory Board
- EDB Ethylene dibromide
- FFOR Former Fuel Offloading Rack
- ICE Internal combustion engine
- DPT Direct Push Technology
- IM Interim Measure
- LNAPL Light Non-Aqueous Phase Liquid
- PBC Performance Based Contract
- ROI Radius of influence
- SMWU Solid Waste Management Unit
- SVE Soil vapor extraction



Bulk Fuels Facility Overview



EDB Characterization Update

Drilling Update

SVE Treatment System – current and new

Path Forward



Milestone Overview



CHARACTERIZATION

EVALUATION

RCRA Facility Investigation

- ✓ Installation of 78 Groundwater Wells
- **✓** Installation of 35 Soil Vapor Wells
- DPT Soil Samples at FFOR
- ✓ Installation of 9 Pneulog Wells
- Installation of 9 Groundwater Wells

Corrective Measures Evaluations

- ✓ Baildown Testing
- O ROI Testing
- O Quarterly Monitoring
- **✓** Pneulog Well Testing
- O Slug Testing
- O Use Phase II IM to Conduct Extended ROI Testing
- O Continue to Evaluate Early Treatment



Interim Measures

- O ICE Unit Operation Pre-Remedy O&M
- · Soil Removal at FFOR Phase I Interim Measures
- O SVE Treatment System Phase II Interim Measures
- ✓ Move ICE Units to New SVE Wells
- O Design and Build of Centralized SVE Treatment System

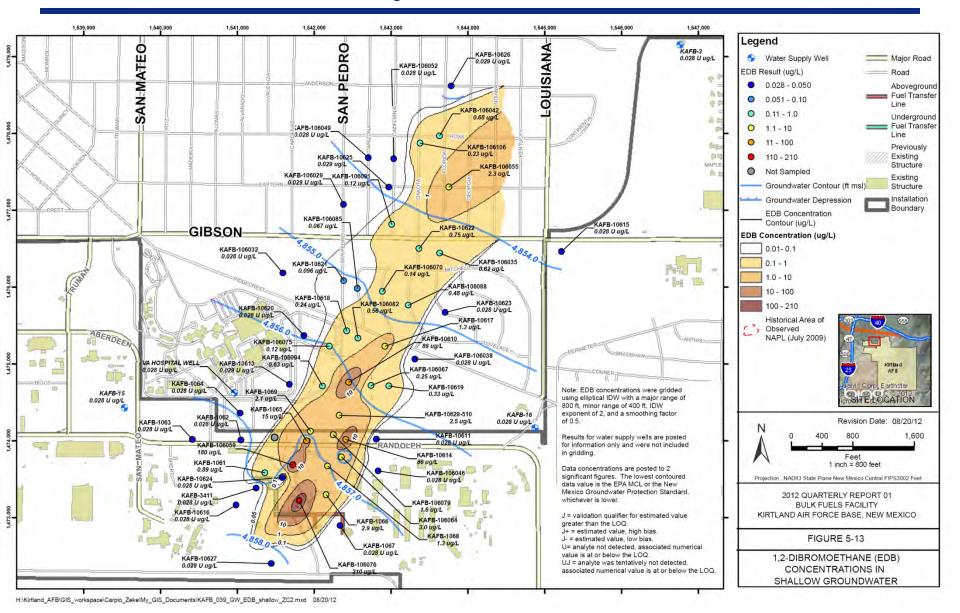
EARLY/INITIAL TREATMENT

FINAL REMEDY REMEDY IN PLACE



EDB Plume: Shallow January – March 2012

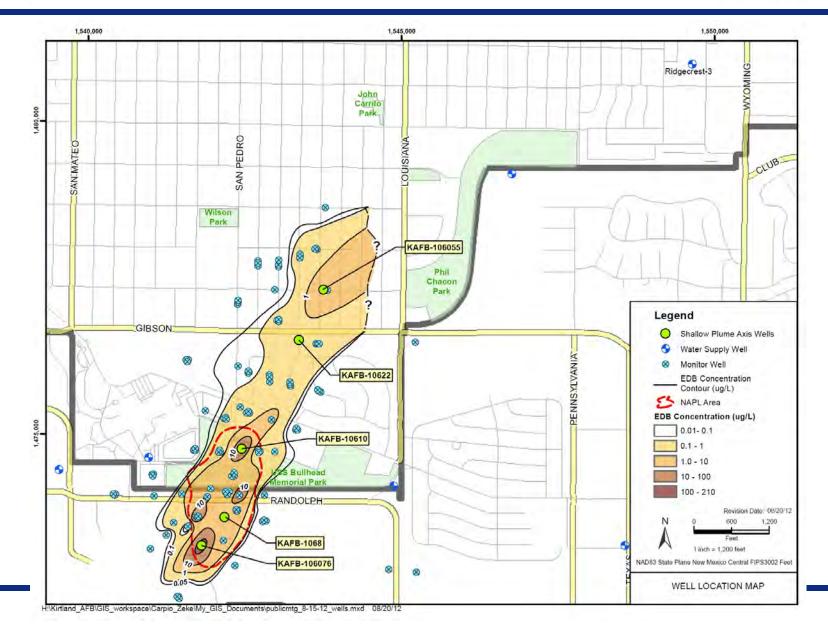






Hydrographs and EDB in Groundwater

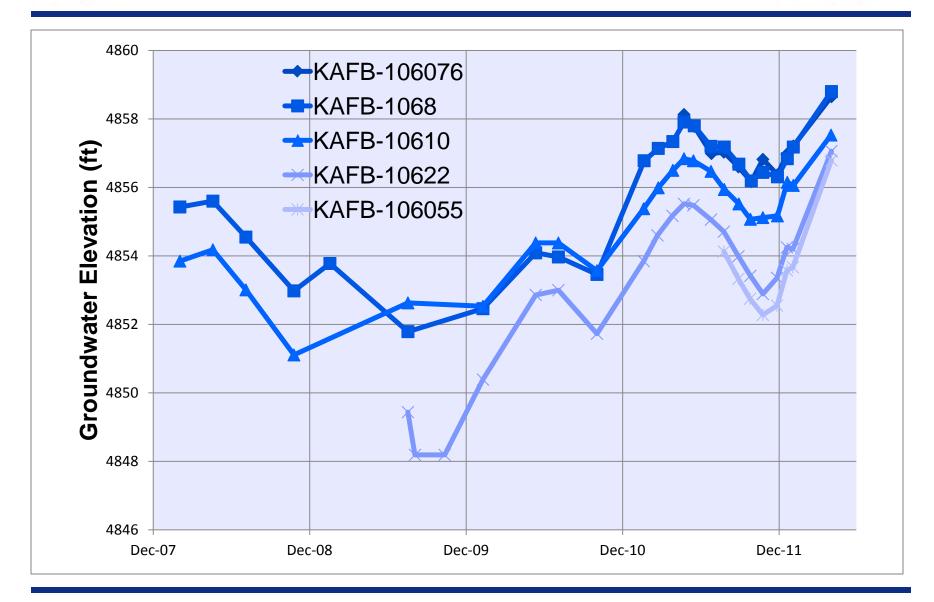






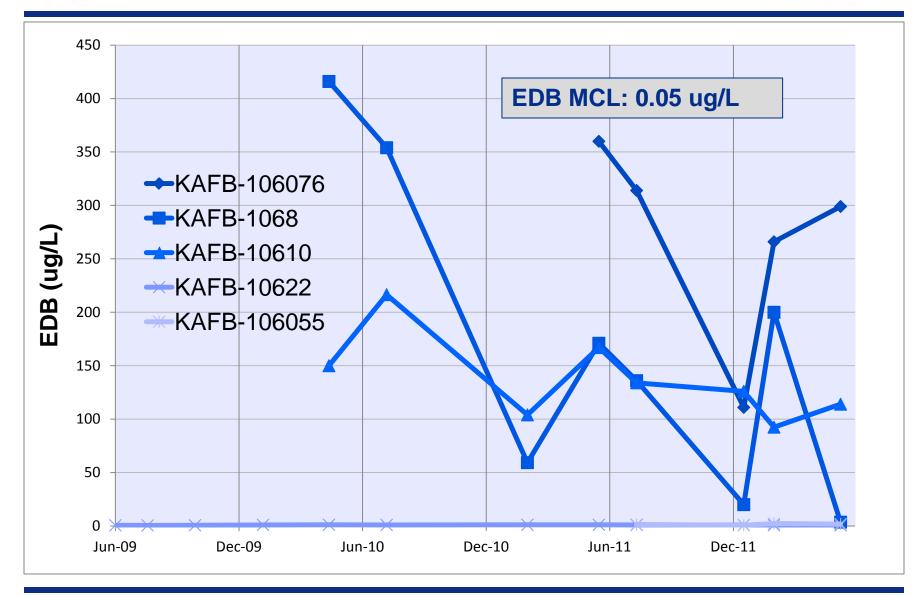
Hydrograph





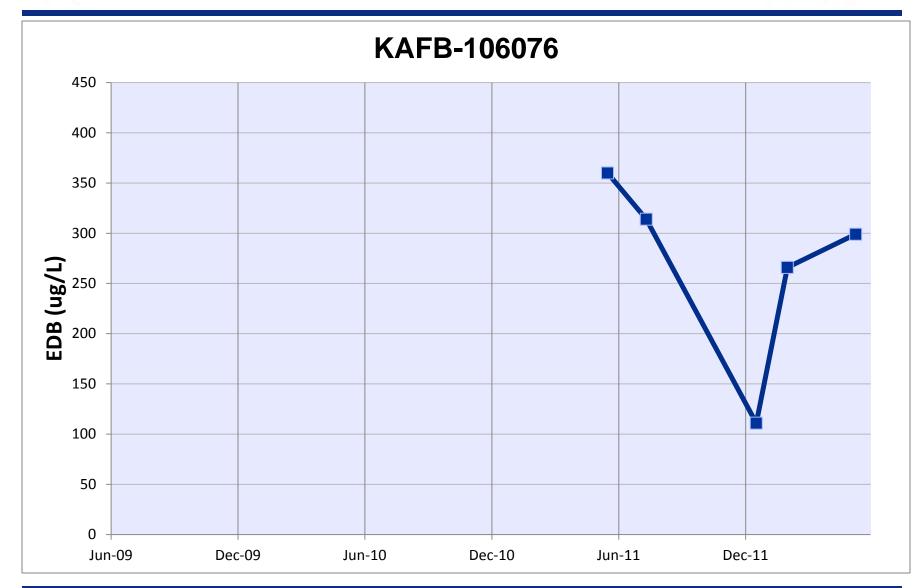






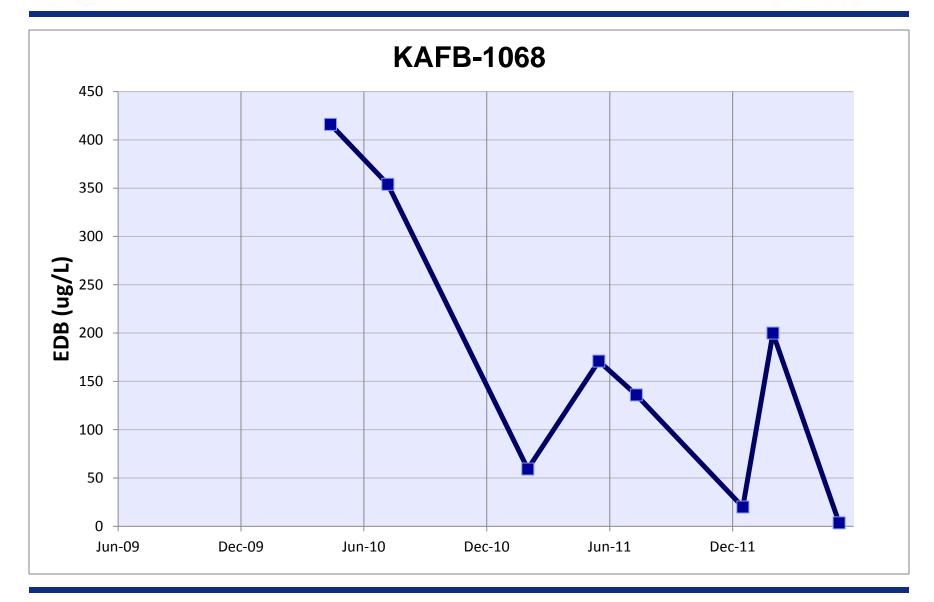






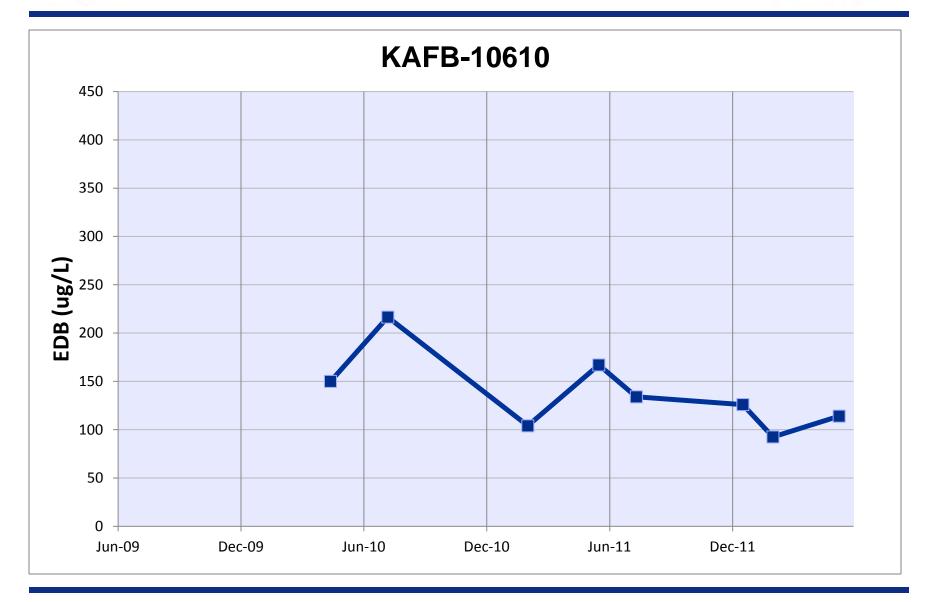






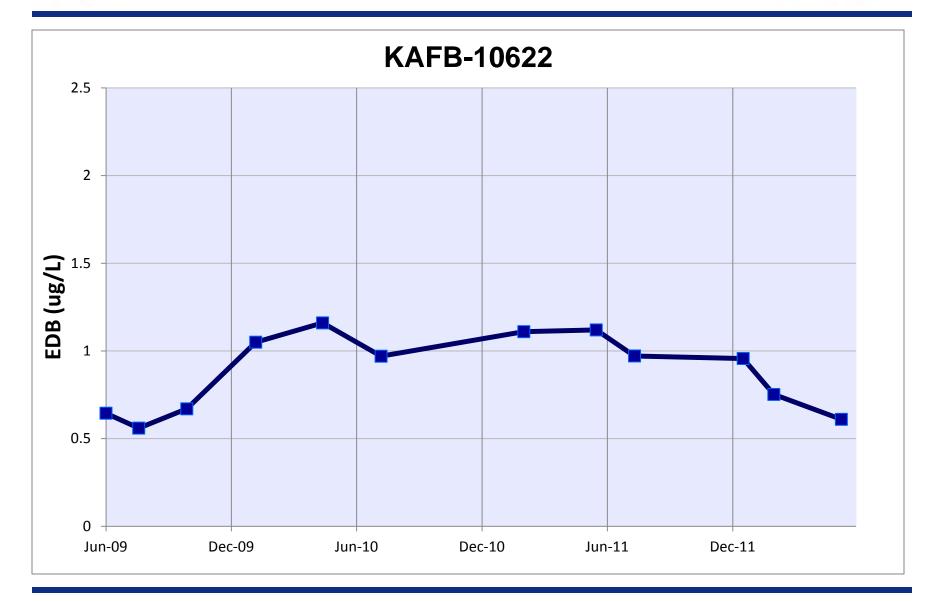






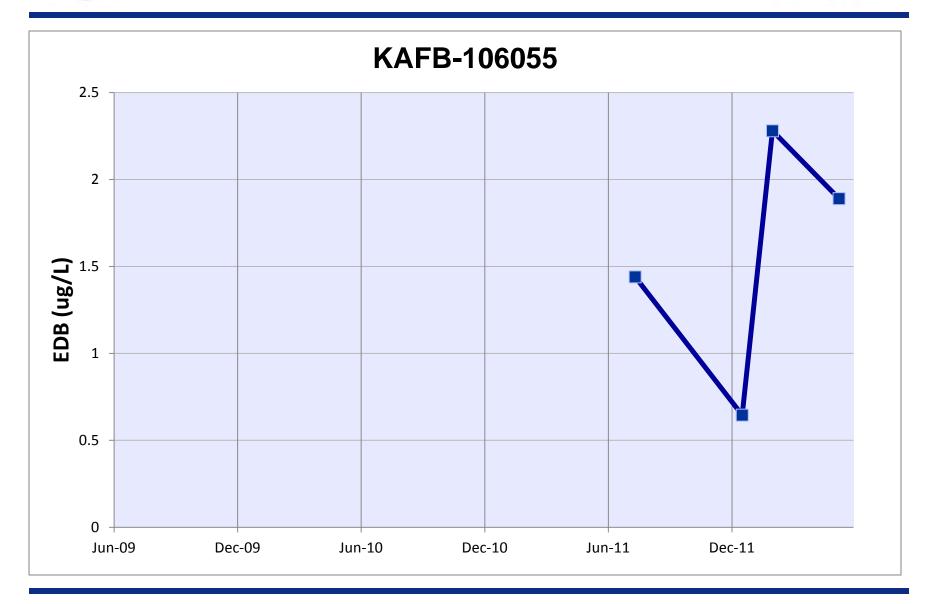






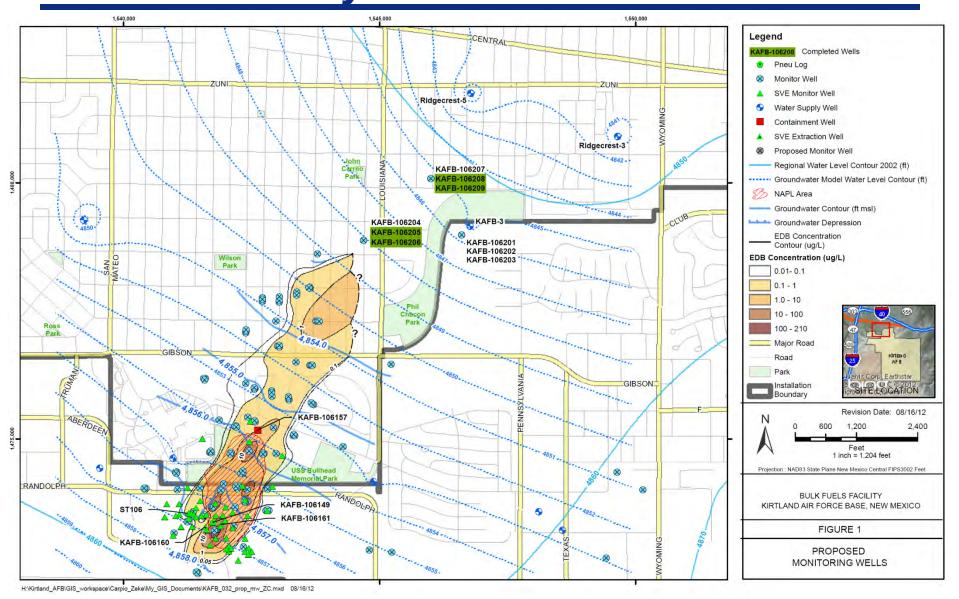








Groundwater Monitoring Wells July – October 2012





Drilling Update



- Letter Addendum Work Plan detailing the three additional cluster locations – Approved by NMED
 - Three wells per location: shallow, intermediate, and deep
- Door-to-door neighborhood visits conducted
- Drilling began July 2012 at two locations (residential)
- Two drilling rigs working concurrently
- Estimated completion of all three cluster locations in October 2012

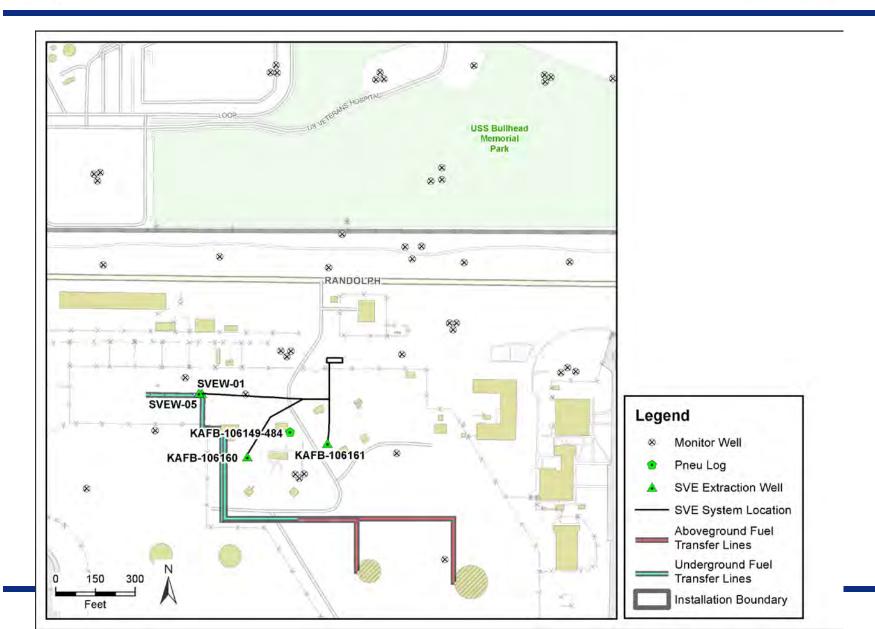


Phase II Interim Measure



- SVE ICE units resumed operation on 23 April 2012
 - Moved to new locations to optimize efficiency of treatment
- Letter addendum for main SVE treatment system components Approved by NMED
- Long lead-time components ordered
- New treatment system estimated completion date of December 2012
- Process air flow for the new treatment system will be approximately 10 times more volume compared to current system
- Air emissions will be in compliance with AEHD approved permit
- Data from new system will be incorporated into evaluation of final remedy

SVE Treatment System System





Path Forward



Task/Milestone	Schedule
NMED Approval of Groundwater RFI	Summer 2013
Finalize SVE treatment system design (submit to NMED)	Fall 2012
SVE treatment system begins operation	Winter 2012
Complete soil removal at FFOR	Spring 2013
ATSDR Draft Report	December 2012
ABCWUA Contingency Plan	In process – Air Force and WUA



Summary



- Drilling of 9 additional monitoring wells to be completed October 2012
- New treatment system estimated completion date of December 2012
- ATSDR study is on going; public comment period to be scheduled by end of year
- Air Force continues to work with the ABCWUA on development of contingency plan



POINTS OF CONTACT



Col. Jeff Lanning 377 ABW.pa@kirtland.af.mil (505) 846-5991

Citizens may review Air Force Environmental Restoration Program (ERP) documents at the Kirtland AFB Information Repository (IR) located at the Central New Mexico (CNM) Community College-Montoya Campus Library, 4700 Morris NE, (505) 224-5721

or

by visiting the Kirtland AFB website at http://www.kirtland.af.mil in the Environmental Issues section for Public Records.





Discussion





Request for Agenda

Next CAB (4th Quarter 2012)