

# ***Headquarters U.S. Air Force***

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## **Former Williams AFB Restoration Advisory Board (RAB)**



**November 16, 2010**

**Highland High School  
4301 E. Guadalupe Rd.  
Gilbert, AZ**

# ***Headquarters U.S. Air Force***

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## **Welcome & Introductions**



Presented by: Ms. Michelle Lewis  
& Mr. Len Fuchs,  
RAB Community Co-Chairs



## ***Welcome & Introductions***

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- Mr. Len Fuchs, RAB Community Co-Chair
- Ms. Michelle Lewis, Air Force Center for Engineering & the Environment, PM/BEC and RAB Co-Chair
- Ms. Linda Geissinger, Air Force Real Property Agency, Public Affairs Officer
- Ms. Carolyn d'Almeida, Project Manager, U.S. Environmental Protection Agency, Region IX
- Mr. Andre Chiaradia, Federal Projects Unit Project Manager, ADEQ
- Mr. Adam Mohamed, Underground Storage Tank Program Project Manager, ADEQ
- Ms. Felicia Calderon, Community Involvement Coordinator Waste Programs Outreach Unit, ADEQ



# Agenda

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<u>Time</u>	<u>Topic</u>	<u>Presenter</u>
7:00 p.m.	<b>RAB meeting convenes review agenda</b> <ul style="list-style-type: none"><li>• Welcome and introductions</li><li>• Community Co-chair remarks</li><li>• Special recognition and introductions</li><li>• Review August 2010 meeting minutes</li></ul>	<b>Ms. Michelle Lewis Mr. Len Fuchs Ms. Linda Geissinger Ms. Amber Cargile</b>
7:15 p.m.	<b>Program Updates</b> <ul style="list-style-type: none"><li>• Environmental/Munitions Response Updates</li><li>• 5-Year Review</li><li>• Contracting Updates</li><li>• Property Transfer Update</li></ul>	<b>Ms. Michelle Lewis Mr. Jay Harbin Ms. Amber Cargile</b>
8:30 p.m.	<b>Meeting wrap-up</b> <ul style="list-style-type: none"><li>• Review Action Items</li><li>• Review action items for next meeting</li><li>• Call for agenda items for next meeting</li><li>• Propose next RAB meeting date: Mar. 1, 2011</li></ul>	<b>Ms. Michelle Lewis Mr. Len Fuchs Ms. Amber Cargile</b>
9:00 p.m.	<b>Adjourn</b>	<b>Ms. Michelle Lewis Mr. Len Fuchs</b>

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## ***Minutes and Action Items***

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- Review August 2010 RAB meeting minutes
- Action Items from August 2010 RAB Meeting

Presented by:  
Ms. Michelle Lewis  
AFCEE

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## **Program Updates:**

**Parcel N Debris Area  
(PNDA)**

**Sites ST035, LF004, ST012**



Presented by:  
Ms. Michelle Lewis, AFCEE  
Mr. Jay B. Harbin, URS Corp

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## **Parcel N Debris Area Site Inspection and Munitions and Explosives of Concern (MEC) Investigation**



## ***PNDA – MEC Investigation Site Map***



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## ***PNDA –MEC Investigation***

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- Munitions and Explosives of Concern (MEC) Investigation Timeline
  - Phase I: In January 2010, the AF contracted URS to perform a Preliminary Site Assessment. Confirmed the presence of inert munitions debris and recommended follow-on investigation with an expanded investigation site boundary.
  - Security Fence: In February 2010, the AF installed a fence around PNDA.
  - Phase II: In July/August 2010, URS performed the second phase of MEC investigations. During this investigation, URS discovered energized MEC (two blasting caps and approximately 20 small pieces of bulk explosives (similar to TNT) and glass from chemical agent identification sets (CAIS). The affected area was reduced to approximately 3 acres and a second interior fence was erected.



## ***PNDA –MEC Investigation***

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- Phase II (continued): URS excavated two test trenches and collected shallow soil samples in areas outside of the interior fence.
  - The test trenches were excavated in an area that was suspected to be a possible trash pit. The area was depressed and had wooden pallets that appeared to be partially buried.
  - The trenches showed no trash or buried objects below the pallets. Several soil samples were collected and no chemicals of concern (COCs) were identified.
  - Other soil samples were collected near debris discovered during the MEC investigation (i.e., empty 55-gal drums, trash pile, lead-acid battery, and other misc. steel cans.
  - Only one set of samples reported COCs that exceeded soil remediation levels (SRLs). This area was under the lead-acid battery and had lead and antimony concentrations above SRLs at a depth of 1 ft.



# ***PNDA – MEC Investigation Test Trenches***



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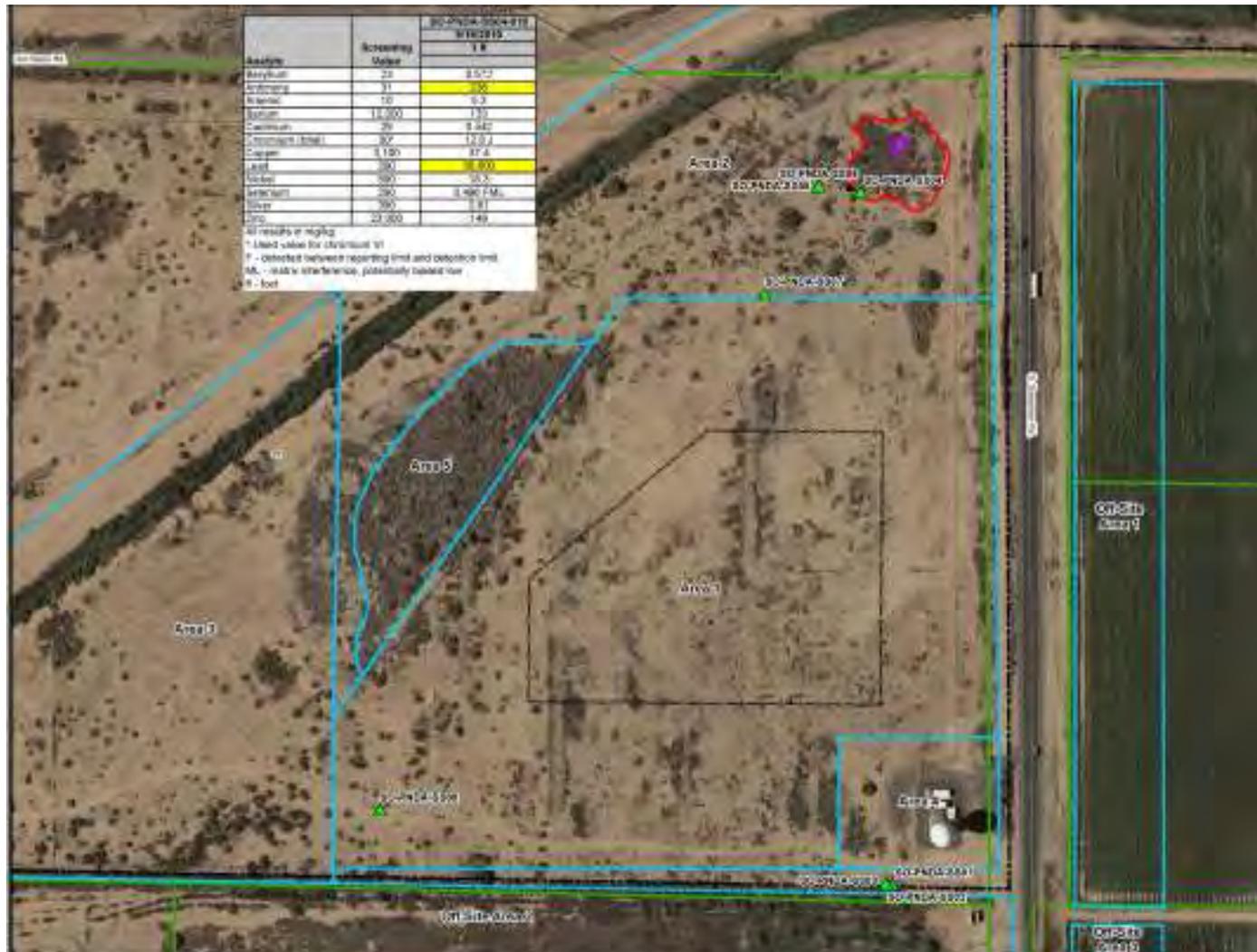
# ***PNDA – MEC Investigation CERCLA Soil Sampling Locations***



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# PNDA – MEC Investigation CERCLA Soil Sampling Results





## ***PNDA –MEC Investigation***

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- In October 2010, the AF funded URS to conduct Phase III in the affected 3 acres.
- In November 2010, the AF will submit the Draft PNDA MEC/SI Report (Phase II).
- In December 2010, AF will submit an Explosive Safety Submission (ESS) to the Air Force Safety Center and the Department of Defense Explosive Safety Board (DDESB) for Phase III.
- In December 2010, URS will submit a PNDA Phase III MEC Clearance Work Plan to the AF.
- In March 2010, URS expects to conduct the Phase III MEC Clearance.



## ***PNDA – MEC Investigation Next Steps***



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## ***New Signage at Parcel N***

**US AIR FORCE  
PROPERTY**

**NO TRESPASSING  
OR HUNTING  
ALLOWED**

**PROPIEDAD DE LA  
FUERZA AÉREA  
ESTADOUNIDENSE**

**PROHIBIDO CAZAR  
O TRASPASAR**

**On exterior fence around all of  
Parcel N**

**DANGER**

**DO NOT ENTER**

THIS AREA IS BEING INVESTIGATED  
FOR ORDNANCE AND EXPLOSIVES

**STOP** FOR FURTHER INFORMATION **STOP**  
CALL (916) 643-6420

**PELIGRO**

AREA DE EXPLOSIVOS  
MANTENGASE AFUERA

**ALTO** PARA INFORMACIÓN ADICIONAL **ALTO**  
LLAME (916) 643-6420

**On interior fence around PNDA  
MMRP Site**

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**ST035, Former  
Building 760  
Underground  
Storage Tank Site**



## ***ST035 – Building 760 UST***

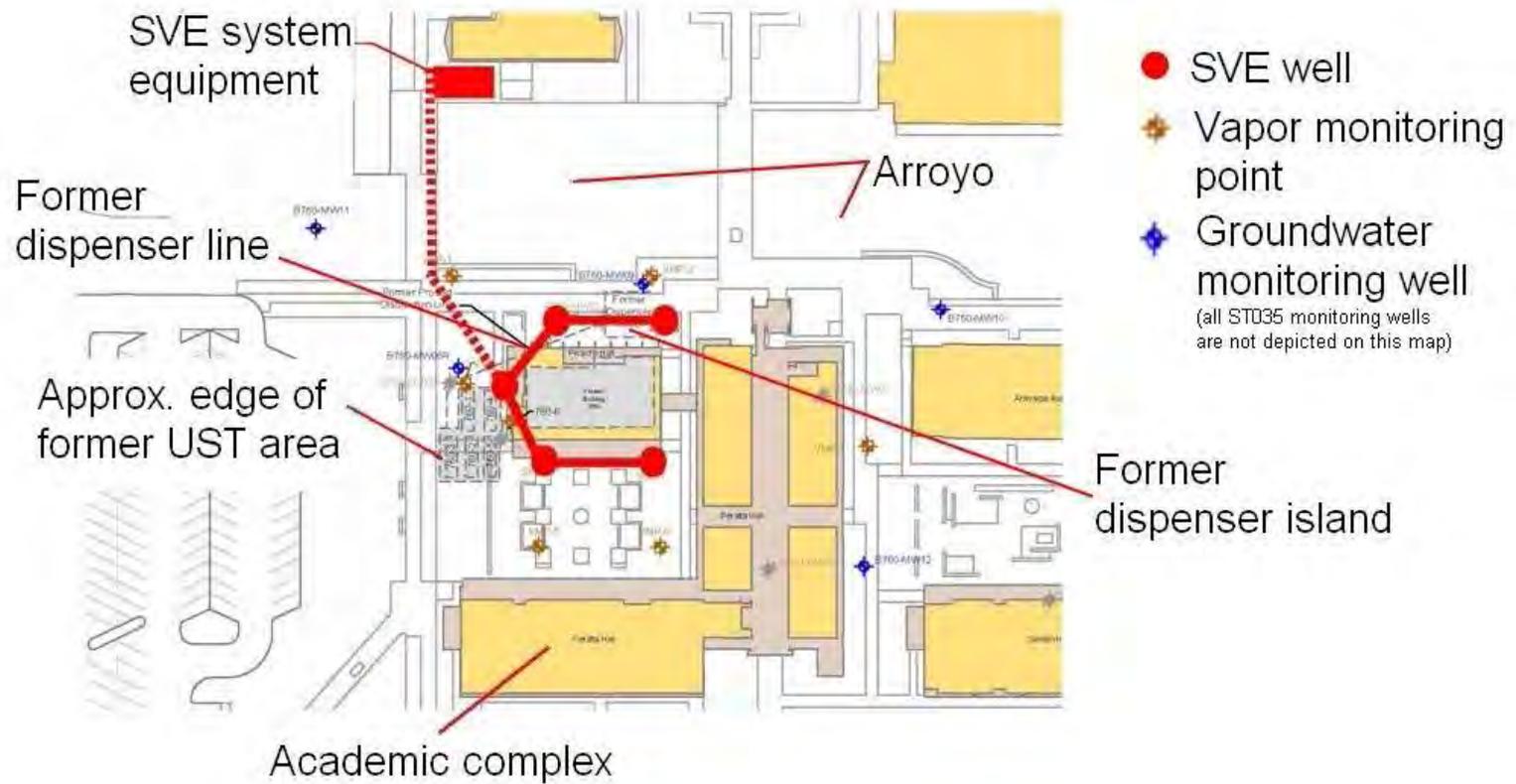
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- In October 2010, the AF began operating the SVE system at ST035 (ASU Polytechnic Campus).
- Hydrocarbons in vapor form are pulled by vacuum from five extraction wells (see diagram next slide).
- Hydrocarbons are burned in a thermal oxidizer before being released into the atmosphere.
- The thermal oxidizer is achieving near 99.9% destruction efficiency.
- The AF hosted a public site walk this past Saturday.



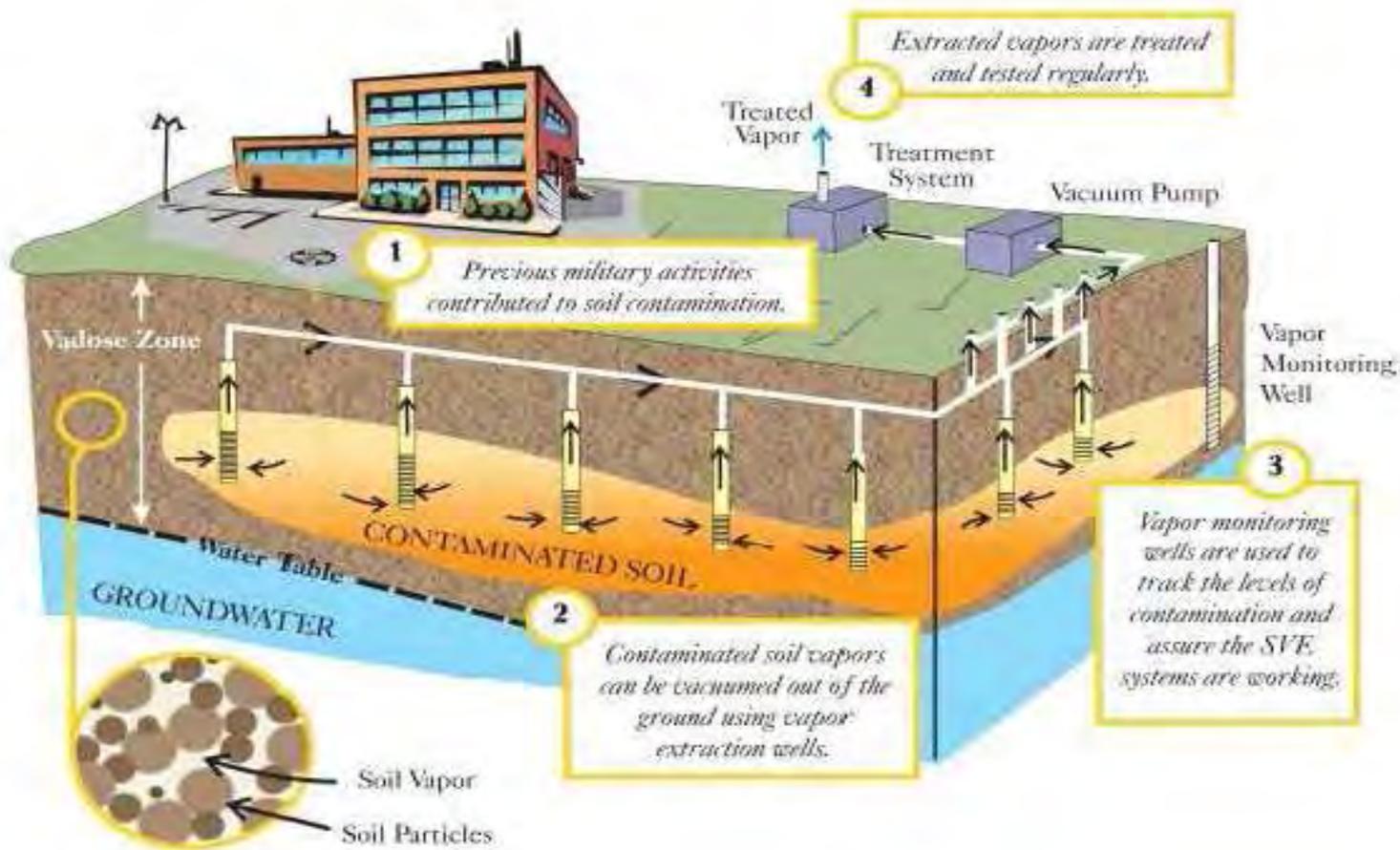
# Site ST035 – Building 760 UST

## Site ST035 Soil Vapor Extraction System





# Site ST035 – Building 760 UST





## ***Sites ST035, ST012 and LF004 Long-Term Monitoring Activities***

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- The AF is currently conducting its last Long-Term Monitoring (LTM) events for 2010 at ST035, ST012, and LF004 this month.
- Groundwater monitoring reports will be submitted in January 2011, and the AF will brief the RAB in its February 2011 meeting.
- LTM activities (groundwater sampling and operation and maintenance of the SVE systems at ST035 and ST012) will continue in 2011 under a “Bridge Contract.”

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## **5-Year Review**



Presented by:  
Ms. Michelle Lewis, AFCEE  
Ms. Amber Cargile, Cargile Communications



## ***5-Year Review***

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- The AF and URS will be preparing the 2011 5-Year Review.
- The 2006 5-Year Review was prepared but never finalized, so the 2011 5-Year Review will span 2001-2011.
- Site visits and interviews will be conducted next month (13 - 15 December 2010).
- Anyone interested in participating this the 5-Year Review process is encouraged to contact Amber after this meeting.
- The “Pre” and “Post” Review notices will be posted in the East Valley Tribune.
- The draft report will be available by 2<sup>nd</sup> Quarter 2011.

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## **Contracting Update**

Presented by:  
Ms. Michelle Lewis,  
AFCEE



## ***Contracting Update***

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- Recently Awarded Contracts:

- 5-year Review – URS Corp
- Phase III Parcel N Debris Area Munitions Response – URS Corp
- Storage and Maintenance for ST012 TEE Equipment – Terra Dynamic Engineering

- Upcoming Contracts:

- Bridge Contract

- Duration: 1 JAN 2011 – 31 AUG 2011

- Scope:

- Quarterly groundwater sampling/reporting at ST035 (2)
- Quarterly groundwater sampling/reporting at ST012 (2)
- Semi-Annual groundwater sampling/reporting at LF004 (1)
- SVE Operation and Maintenance/reporting at ST035
- SVE Operation and Maintenance/reporting at ST012



## ***Contracting Update***

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- Upcoming Contracts (Continued):
  - ST012 Interim Hydraulic Containment
    - Expected award: 2<sup>nd</sup> Quarter 2011
    - Duration 18 months (through SEPT 2012)
    - Scope:
      - Use existing wells and equipment to construct a pump and treat system to operate in the interim of the final remedy at ST012.
  - Performance Based Remediation Contract
    - Expected award: 2<sup>nd</sup> Quarter 2011
    - Duration 9 ½ years
    - Scope:
      - Everything but the kitchen sink! (see next slide)



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

- **13 Sites fall under the PBR (8 active and 5 that require 5-Year Review only)**

<b>Active Sites</b>	<b>5-Year Review Only</b>
LF004	SS016
DP028	SS019
ST012	SS020
SS017	SS021
FT002	SS024
<b>PNDA (CERCLA determination)</b>	
<b>ST035 (UST)</b>	
<b>Building 114 (UST)</b>	



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

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- National Priority List (NPL) partial delisting
- Implementation of 2011 5-Year Review and preparation of 2016 5-Year Review
- BRAC and RAB meeting support
- Based on performance milestones

**“The Air Force is still in charge!”**

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## **Property Transfer Update**



Presented by:  
Ms. Michelle Lewis  
AFCEE



# Property Transfer Update





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# Action Items

Presented by:  
Ms. Amber Cargile  
Cargile Communications



# Meeting Wrap-Up

Presented by:  
Ms. Michelle Lewis and Mr. Len Fuchs,  
RAB Community Co-Chairmen



## ***Meeting Wrap-Up***

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- Propose agenda items for next RAB meeting
- Schedule next RAB meeting (1 MAR 2011)
- Meeting adjourned