



# WILLIAMS AFB ARIZONA

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## ADMINISTRATIVE RECORD COVER SHEET

AR File Number 301215



**DEPARTMENT OF THE AIR FORCE**  
**AIR FORCE CIVIL ENGINEER CENTER**

AFCEC/CIBW  
706 Brooks Road  
Rome, NY 13441

29 April 2014

Ms. Carolyn d'Almeida  
U.S. EPA Region IX  
75 Hawthorne Street  
San Francisco, CA 94105

and

Mr. Wayne Miller, P.E., R.G.  
Arizona Department of Environmental Quality  
1110 West Washington Street, 4415B-1  
Phoenix, Arizona 85007

Subject: Submission of "Meeting Minutes: Restoration Advisory Board Meeting, 14 May 2013, Former Williams Air Force Base, Mesa, Arizona"

The Air Force is pleased to submit the attached record of the Restoration Advisory Board (RAB) Meeting held on 14 May 2013, at the Arizona State University Polytechnic Campus (Peralta Hall #132) in Mesa, Arizona. These minutes were approved by the RAB by email correspondence November 5-12, 2013. Included with the minutes are the attendee list and presentation slides.

Please contact me at (315) 356-0810 or [catherine.jerrard@us.af.mil](mailto:catherine.jerrard@us.af.mil) if you have any questions regarding this submittal.

Sincerely,

A handwritten signature in black ink, which appears to read "Catherine Jerrard", is positioned above the printed name.

CATHERINE JERRARD, PE  
BRAC Environmental Coordinator

Attachments:

1. Meeting Minutes: Restoration Advisory Board Meeting, 14 May 2013, Former Williams Air Force Base, Mesa, Arizona
  2. 14 May 2013 RAB meeting attendee list
  3. 14 May 2013 RAB presentation slides
  4. 14 May 2013 RAB Distribution List
- c:
- ADEQ - Wayne Miller (2 and 1 CD)
  - Administrative Record – Terie Glaspey (1 and 1 CD)
  - AFCEC –Catherine Jerrard (1 and 1 CD)
  - ASU Libraries – Dan Stanton (1 and 1CD)
  - CNTS – Geoff Watkin (1 and 1 CD)
  - TechLaw – Bill Mabey (1 and 1 CD)
  - USEPA – Carolyn d’Almeida (1 and 1 CD)
  - USEPA – Eva Davis (1 and 1 CD)
  - UXOPro – Steve Willis (1 CD)
  - RAB Distribution List (via email transmittal)
  - File

**Former Williams Air Force Base (AFB)  
Restoration Advisory Board (RAB)  
Meeting Minutes**

**May 14, 2013, 6:30 p.m.  
Arizona State University Polytechnic Campus  
Peralta Hall #132  
7171 E. Sonoran Arroyo Mall  
Mesa, AZ**

**Attendees:**

<b><i>Name</i></b>	<b><i>Organization</i></b>
Ms. Cathy Jerrard	Air Force Civil Engineer Center (AFCEC) /Base Realignment and Closure (BRAC) Environmental Coordinator (BEC)/Air Force Co-chair
Mr. Len Fuchs	RAB Community Co-chair/Gilbert resident
Mr. Scott Johnston	Napkin Communications, Public Affairs support contractor
Ms. Linda Geissinger	AFCEC, Public Affairs
Mr. Geoff Watkin	Cherokee Nation Government Solutions, AFCEC technical support contractor
Mr. Everett Wessner	AMEC, AFCEC remediation contractor
Mr. Don Smallbeck	AMEC, AFCEC remediation contractor
Mr. Steve Willis	UXO Pro, ADEQ technical support contractor
Carolyn d' Almeida	U.S. Environmental Protection Agency (USEPA), Region 9, Project Manager
Bill Mabey	TechLaw, USEPA technical support contractor
Eva Davis	U.S. Environmental Protection Agency
Stuart Pearson	AMEC
Gorm Haron	Tech Law
Ellen Carroll	AMEC
Emily Corkery	AMEC
Ben Shunk	Gilbert resident

Mr. Len Fuchs called the meeting to order at 6:30 p.m. and asked the attendees to introduce themselves and reminded everyone to please provide their information on the sign in sheet (Attachment 1). The RAB approved the February 19, 2013 meeting minutes without changes. Ms. Cathy Jerrard provided a brief introduction and turned the presentation over to Mr. Everett Wessner.

***Status Updates for ST035, ST012, FT002, SS017, and LF004***

Mr. Wessner presented updates for each site, see attached slides (Attachment 2) for more information. RAB and community discussions for each site are presented below.

***ST035, Former Base Gasoline Station Building 760***

Mr. Wessner summarized the slides presenting the site background, contaminants, and cleanup methods in place. Soil vapor extraction (SVE) continues to remove fuel contaminants from the soil and groundwater monitoring is ongoing. The goal is to achieve site closure under the State Leaking

Underground Storage Tank (LUST) regulations. Since the last briefing, two wells have been installed near the former source area.

Groundwater flow continues on a west to east trajectory. Benzene in groundwater near the source area has degraded significantly and there are no wells that exceed cleanup standards. 1, 2 Dichloroethane (1, 2 DCA) was detected in 11 wells and five wells are above the standard. All the wells that had detection above the standard were the same wells as 2012, so there is a consistent picture of remaining contaminants in the wells. Methyl tertiary butyl ether (MTBE) was detected in nine wells. Only one well was above the cleanup standard.

The next quarterly groundwater sampling event took place in May.

Mr. Wessner commented that the progress being made at ST035 is a good news story and natural degradation processes are taking place to reduce the residual contamination. However, the downgradient extent has not been fully characterized and additional well installations may be necessary.

The SVE system has removed 596 gallons of Total Petroleum Hydrocarbons (TPH) from January through March compared to 524 from October through December. The increase is due to SVE system modifications that allow for more focused extraction at the hot wells where the residual contaminant mass exists. The SVE system will continue to be evaluated to determine if shutting the system down and performing rebound testing is warranted.

**Questions asked during ST035 presentation:**

There were none.

***ST012, Former Liquid Fuels Storage Operation***

Mr. Wessner summarized the slides presenting the site background, contaminants, cleanup methods in place, and the path forward. The primary soil contaminants for the site are petroleum hydrocarbons which includes benzene.

The water table is approximately 143 to 155 feet bgs, up 67 feet from 1989. After the petroleum hydrocarbons were released, groundwater levels have risen, resulting in a portion of the material being submerged beneath the groundwater and trapped within the soil pore spaces.

The 1992 OU-2 Record of Decision (ROD) pump-and-treat remedy was ineffective in cleaning the groundwater. A pilot test for steam enhanced extraction technology was conducted and led to a Focused Feasibility Study (final FSS November 2012).

The FSS has been finalized and a Proposed Plan (PP) has been prepared and submitted for public comment. The public comment period for the Amended Proposed Plan ended May 9 and no comments were received. The next step is to prepare a Record of Decision Amendment (RODA) for the ST012 site.

The deep vadose zone, which is defined as greater than 25 feet below ground surface (bgs), is currently being treated with an SVE system. The SVE system was at 92.2 percent operational from January through March 2013 and removed 4,150 gallons of TPH from the subsurface. The removal rate has remained stable with 267,000 gallons of TPH having been removed from the vadose zone to date. As previously mentioned, the initial remedy for groundwater was pump and treat. It was ineffective. However, in the interim time period while the FFS, PP, and ROD Amendment are being prepared and finalized, the system is being used as a containment system. The containment system's objective is to contain the water on the site and remove some of the dissolved-phase contamination while working toward getting the design in place for the ultimate remedy, which is thermal treatment.

Containment is achieved by extracting and treating groundwater using some of the existing wells. The containment system is focused on the lower, saturated zone, where there is groundwater associated with trapped product.

**Questions asked during ST012 presentation:**

There were none.

***FT002 Former Fire Training Area No. 2***

Mr. Wessner stated soil contamination is the issue at this site and the COCs are benzene, chloroform, and 1,4-dichlorobenzene (1,4 DCB). There is no evidence that the site soil contamination has impacted groundwater. The 1996 ROD included a bioventing remedy for the soil; however, the soil cleanup goals were not achieved based on confirmation sampling. There is currently a Declaration of Environmental Use Restriction (DEUR) to prohibit residential use on the site because the soil cleanup goals were not met. The DEUR also requires applicable soil management procedures for excavations below five feet.

On November 28, 2012, AMEC completed a Soil and Soil Vapor Sampling Work Plan with regulatory concurrence for sampling to determine if contaminant levels had decreased to the ROD cleanup goals over the past 15 years.

A soil gas survey was performed December 4, 2012 and 10 soil gas samples were collected at the former Eastern Burn Pit. A soil investigation was performed January 7-18, 2013. During the investigation, 11 soil borings were drilled and sampled to 100 feet bgs at the former burn pits. ADEQ also collected samples to verify results and to evaluate the site for additional contaminants. Data will be evaluated and if ROD cleanup goals are achieved, a closure report for unrestricted closure of the site will be prepared for regulatory review. The goal is to achieve regulatory approval for unrestricted site closure by August 2013.

**Questions asked during FT002 presentation:**

There were none.

***SS017, Former Pesticide/Paint Shop***

Mr. Wessner provided background and a status update for SS017. SS017 is the old pesticide/paint shop and the chemical of concern is dieldrin in both the soil and groundwater. There was a removal action in 2000 in which soil contaminated with dieldrin was excavated and removed from the site. AMEC continues to monitor the groundwater to evaluate the presence of dieldrin. There are levels of dieldrin in some wells that intermittently exceed screening levels but there is no groundwater MCL for dieldrin. The annual sampling will be performed in August 2013. The Air Force is preparing an updated risk evaluation for regulatory review in May. The outcome of the evaluation will set the path forward for this site.

**Questions asked during SS017 presentation:**

There were none.

***LF004, Former Solid Waste Landfill***

Mr. Wessner provided background and a status update for LF004. The OU-1 ROD dealt with soil contaminants at LF004, including dieldrin and beryllium in surface soil, and the remedy, a permeable cap, was successfully implemented. The groundwater has risen and as a result, groundwater impacts have been identified by ongoing groundwater sampling events. The COCs for groundwater are perchloroethylene (PCE) and trichloroethylene (TCE). The impacts to groundwater are bounded by the groundwater monitoring network and a remedial solution is being evaluated in the LF004 Focused Feasibility Study.

Additional information on the site and the Amended Proposed Plan public meeting will be provided at the public meeting immediately following this meeting.

**Questions asked during LF004 presentation:**

Ms. Davis asked what landfill maintenance has to be done.

Mr. Everett responded that there are several types of cap and access maintenance performed. Cap maintenance is due to burrowing animals that dig holes into the cap and access maintenance is related to individuals cutting holes in the fence and knocking down signs.

Mr. Smallbeck added that there is a fair amount of erosion that takes place because of monsoons in the summer time. The landfill cap is oriented so there are interceptor trenches collect and drain run off from the site. The trenches must be cleared of vegetation and monitoring of the site is conducted on a regular basis to assess significant erosion. Any cracks greater than one foot in diameter will be filled with cap material to return the cap to its original elevation.

***Contracting Update***

Ms. Jerrard provided an update on contracting issues. The Army Corps of Engineers in Huntsville, Alabama will oversee the contract for the Munitions Response Site XU403 (located in Parcel N Debris Area) in February 2013. The contract was awarded to HydroGeoLogic, Inc. (HGL). Currently work plans will be submitted in May 2013.

There will be several different work plans submitted. One will be for the munitions removal, another one will be for some chemical sampling. There will also be an archeological work plan to handle the archeological areas of the site and there will be a special chemicals safety submission that has to go through several organizations for approval.

HGL recommended some additional investigation before starting the work. They reviewed historical aerial photos and found disturbances that may have not been included in the previous field scanning to identify any underground metallic objects. The additional investigation has not been awarded yet by the Army Corps of Engineers.

The Army Corps of Engineers will provide an update at the September 17 RAB meeting.

Field work is anticipated to start in September 2013 and take two months to complete. It will include munitions removal, environmental sampling and debris removal. Following the completion of the field work there will be several different completion reports: one is pertaining to environmental results and the one pertaining to munitions results. The chemical safety submission also has to be closed out. In addition, 34 acres of the site were previously cleared for munitions. A No Further Action document for those 34 acres will be prepared as well.

**Questions asked during Contracting update:**

There were none.

***Meeting Wrap-up***

That concluded the information portion of the evening. There were no action items identified as a result of the meeting.

Agenda items for the September 2013 RAB included:

- The Army Corps of Engineers will provide a presentation on the Munitions Response Site.
- An update will be provided on the Remedial Design and the Records of Decision for Landfill 4 and ST012, the former Liquid Fuels Storage Operation.
- Updated monitoring data will provided for ST012 and ST035.

Mr. Fuchs adjourned the meeting at 7:20 p.m.

The next Williams RAB meeting is scheduled for Tuesday, September 17, 2013 at 7 p.m. at the Arizona State University Polytechnic Campus.

***Attachments:***

Sign in sheet

May 14, 2013 RAB meeting slide presentation

Date: 14 May, 2013

Please sign in. If your information has changed since you last attended, please place an asterisk (\*) next to your name.

	<u>NAME/ORGANIZATION</u>	<u>ADDRESS</u>	<u>PHONE</u>	<u>E-MAIL</u>
1.	Ben Shuck	Personal Information Redacted		
2.	Stuart Pearson			
3.	Charles d'Almeida			
4.	BILL MABEY			
5.	Don Smallbeck			
6.	GORM HERON			
7.	Ellen Carrou			
8.	EMILY CORKERY			
9.	GEOFF WATKIN			
10.	CATHY JERRARD			
11.	Steve Willis			
12.				
13.				
14.				
15.				



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

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



May 14, 2013

Arizona State Polytechnic Campus  
Peralta Hall Room 132  
7171 E. Sonoran Arroyo Mall Rd.  
Mesa, AZ

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## **Welcome & Introductions**



Presented by:  
Mr. Len Fuchs / Ms. Catherine Jerrard,  
RAB Community Co-Chairs  
and Scott Johnston



# ***Welcome & Introductions***

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- Mr. Len Fuchs, RAB Community Co-Chair
  
- Ms. Catherine Jerrard, Air Force Civil Engineer Center (AFCEC), PM/BEC and RAB Co-Chair
  
- Ms. Carolyn d'Almeida, Project Manager, U.S. Environmental Protection Agency (EPA), Region 9
  
- Mr. Wayne Miller, Project Manager, Arizona Department of Environmental Quality (ADEQ)



# Agenda

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<u>Time</u>	<u>Topic</u>	<u>Presenter</u>
6:30 PM	<b><u>RAB Meeting Convenes</u></b> <ul style="list-style-type: none"><li>• Welcome and introductions</li><li>• Community co-chair remarks</li><li>• Review Feb 2012 meeting minutes and action items</li></ul>	<b>Mr. Len Fuchs</b> <b>Ms. Catherine Jerrard</b> <b>Mr. Scott Johnston</b>
6:45-7:15 PM	<b><u>Program Updates</u></b>  <b>ST035 Status Update</b> <ul style="list-style-type: none"><li>• Feb 2013 Groundwater (GW) results</li><li>• Jan-Mar 2013 Soil Vapor Extraction (SVE) Performance Results</li><li>• Path Forward</li></ul> <b>ST012 Status Update</b> <ul style="list-style-type: none"><li>• Jan-Mar 2013 SVE Performance Results</li><li>• GW Containment Study Results</li><li>• Path Forward</li></ul>	<b>Ms. Catherine Jerrard</b> <b>Mr. Everett Wessner</b>



# Agenda Continued

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<u>Time</u>	<u>Topic</u>	<u>Presenter</u>
6:45-7:15 PM	<b><u>Program Updates <i>continued</i></u></b> <b>FT002 Status Update</b> <ul style="list-style-type: none"><li>• Path Forward</li></ul> <b>SS017 Status Update</b> <ul style="list-style-type: none"><li>• Path Forward</li></ul> <b>LF004 Status Update</b> <ul style="list-style-type: none"><li>• Proposed Plan and Public Meeting</li><li>• Path Forward</li></ul>	<b>Mr. Everett Wessner</b>
7:15-730 PM	<b><u>Meeting wrap-up</u></b> <ul style="list-style-type: none"><li>• Other Active Projects</li><li>• Review action items for next meeting</li><li>• Call for agenda items for next meeting</li><li>• Propose next RAB meeting – September 17, 2013</li></ul>	<b>Ms. Catherine Jerrard</b>
7:30 PM	<b>Adjourn</b>	<b>Mr. Len Fuchs</b>

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## **Program Updates**

**Sites ST035, ST012, FT002,  
SS017, and LF004**



Presented by:

Ms. Catherine Jerrard, AFCEC

Mr. Everett Wessner, AMEC

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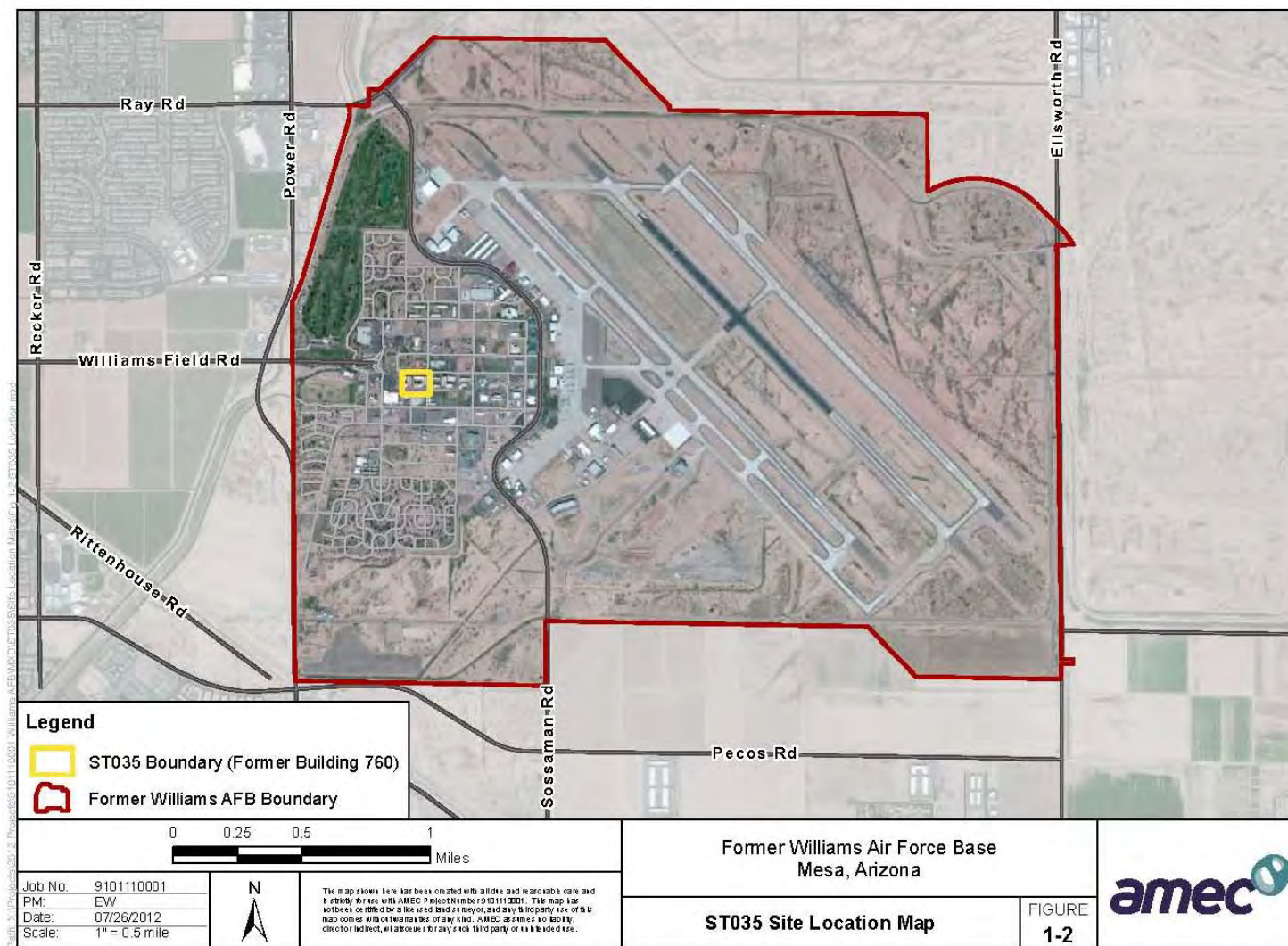


**Site ST035, Former  
Building 760  
Underground  
Storage Tanks  
(USTs)**





# Site ST035 Location Map







# Site ST035 Site Background

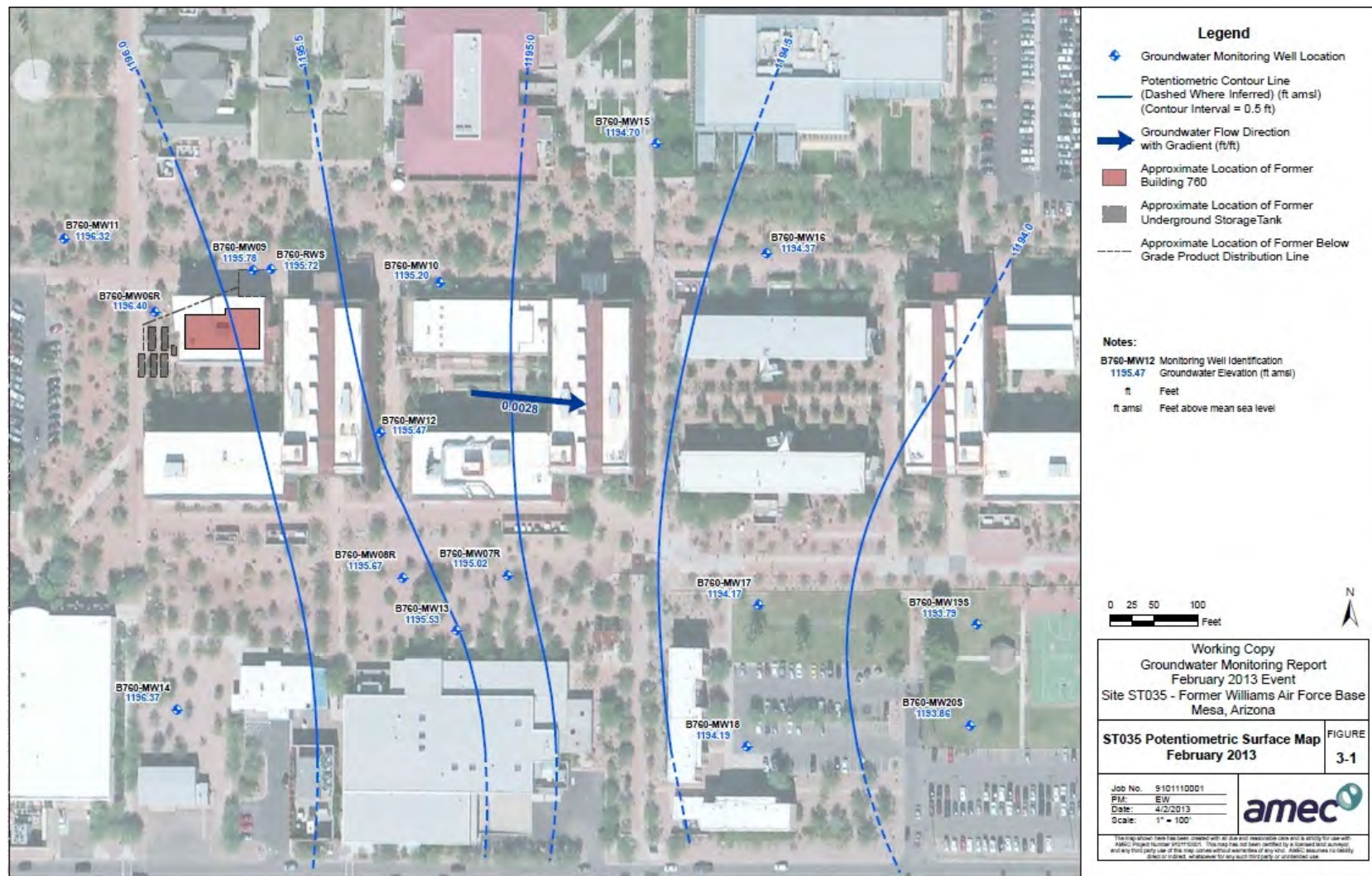
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- **Building 760 gas station and oil/water separator**
  - Gas dispensing until 1986
  - Tank and dispensing equipment removed in 1993-1994
  - Oil/water separator removed in 1996
- **Vadose zone soil chemicals of concern (COCs)**
  - Benzene
- **Groundwater COCs**
  - Benzene, toluene, ethylbenzene, xylenes (BTEX)
  - 1,2-Dibromoethane (EDB)
  - Methyl tertiary butyl ether (MTBE)
  - 1,2-Dichloroethane (DCA)
- **Soil Vapor Extraction (SVE) system to treat COCs in vadose zone soil in operation**
- **Site cleanup regulated by ADEQ under Leaking Underground Storage Tank (LUST) regulation (R18-12-263)**
- **Ongoing quarterly groundwater monitoring**



# Site ST035 Groundwater Monitoring Update

## Feb 2013 Flow Direction





# **Site ST035 Groundwater Monitoring Update**

## **Feb 2013 Sampling Event**

- **19 wells sampled (17 wells sampled in Nov 2012)**
  - Includes 2 new remediation wells
  
- **Groundwater flowing west to east**
  
- **Benzene detected in 11 wells (7 wells in Nov 2012):**
  - Tier 1 Standard = 5 micrograms per liter ( $\mu\text{g/L}$ );
  - 11 wells < 5  $\mu\text{g/L}$  (7 wells in Nov 2012)
  - 0 wells > 5  $\mu\text{g/L}$  (0 wells in Nov 2012)
  
- **1,2-DCA detected in 11 wells (7 wells in Nov 2012)**
  - Tier 1 Standard = 5  $\mu\text{g/L}$ ; RL = 1.0  $\mu\text{g/L}$
  - 6 wells < 5  $\mu\text{g/L}$  – (2 wells in Nov 2012);
    - (includes 2 new remediation wells)
  - 5 wells > 5  $\mu\text{g/L}$  – (5 wells in Nov 2012)



# **Site ST035 Groundwater Monitoring Update** **Feb 2013 Sampling Event**

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Williams AR# 10111111

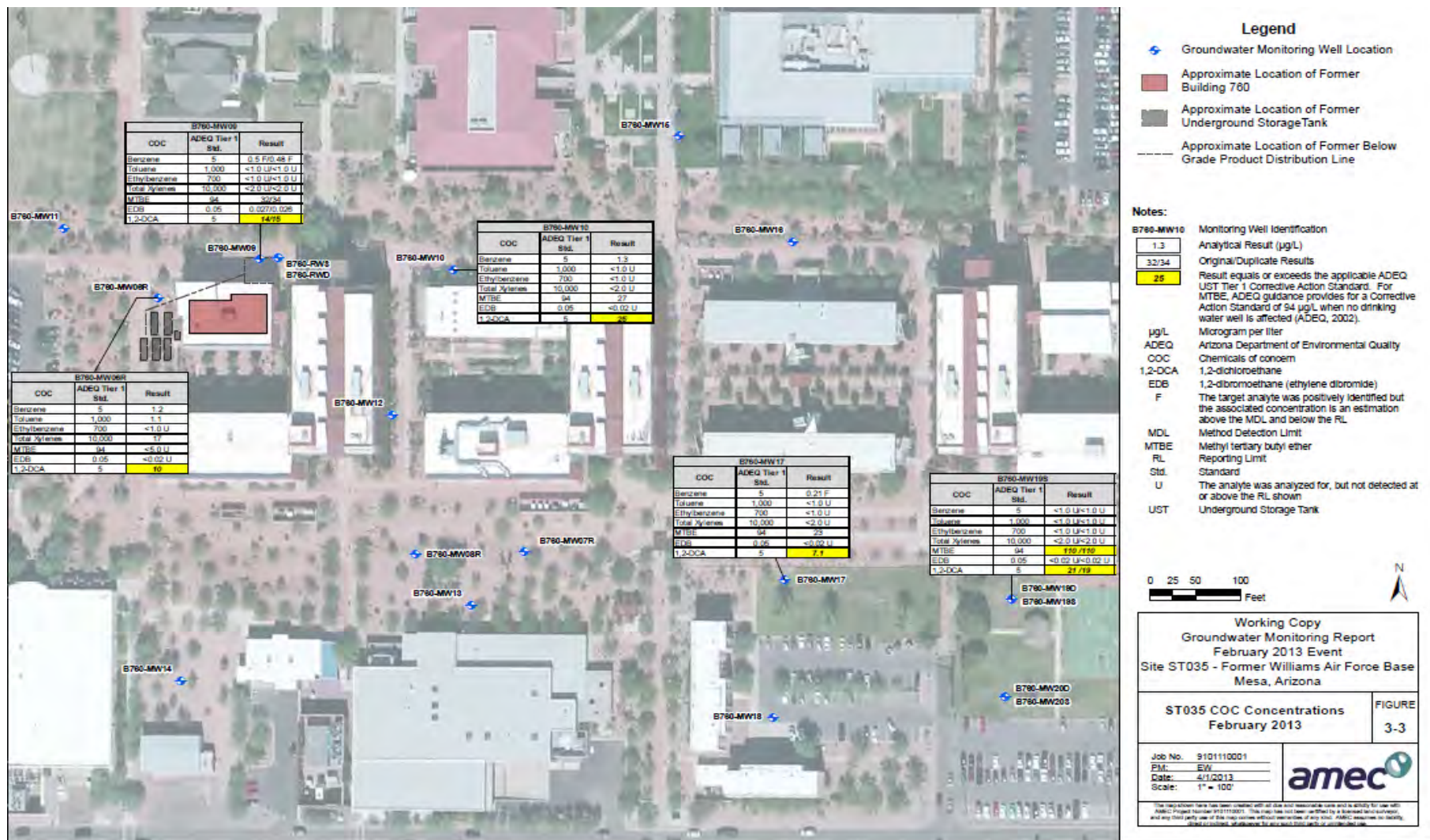
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- **MTBE detected in 9 wells (7 wells in Nov 2012)**
  - **Tier 1 Standard = 94 µg/L**
  - **8 wells < 94 µg/L – (4 wells in Nov 2012)**
    - **Includes 2 new remediation wells**
  - **1 well > 94 µg/L – (3 wells in Nov 2012)**
    - **MW19S (downgradient well)**





# Site ST035 Groundwater Monitoring Update Feb 2013 Results > Tier 1 Standards

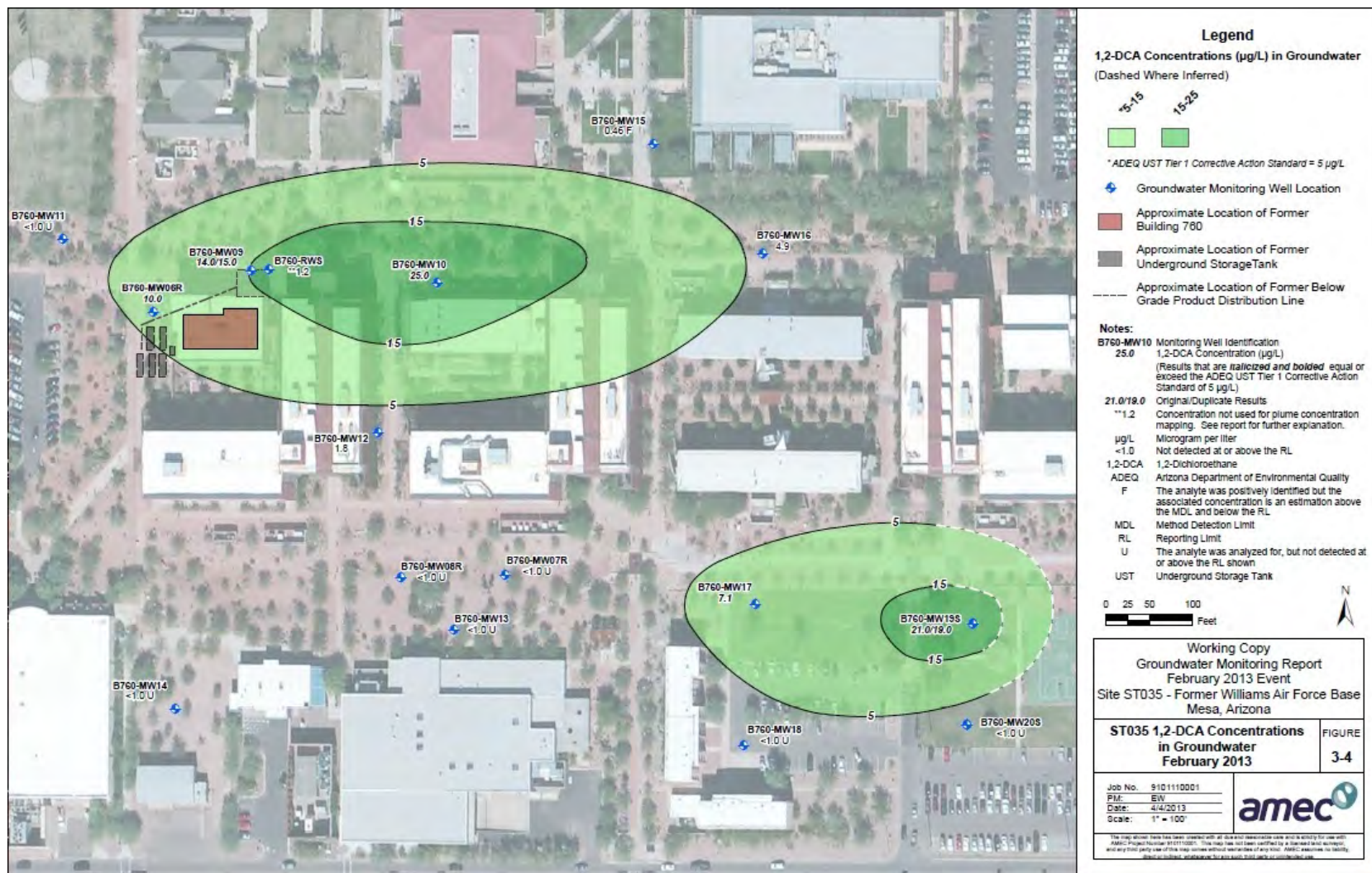






# Site ST035 Groundwater Monitoring Update

## Feb 2013 1,2-DCA Isoconcentration Map





## ***Feb 2013 Groundwater Summary***

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- Benzene was below the Tier 1 Standard in all wells during Feb 2013 and concentrations in the source area have significantly decreased since SVE startup in 2010
- Toluene, Xylenes, MTBE, and EDB were below the Tier 1 Standards in Feb 2013, except for the MTBE results at MW19S (downgradient well)
- 1,2-DCA was detected above the Tier 1 Standard at 5 wells in Feb 2013 (including downgradient well MW19S)
- Concentrations of MTBE and 1,2-DCA have decreased at the former source area and immediately downgradient
- Ongoing quarterly groundwater sampling – Next event May 2013



# Site ST035 Soil Vapor Extraction System Update

Willis AR#

Page 24 of 50

## Jan – Mar 2013

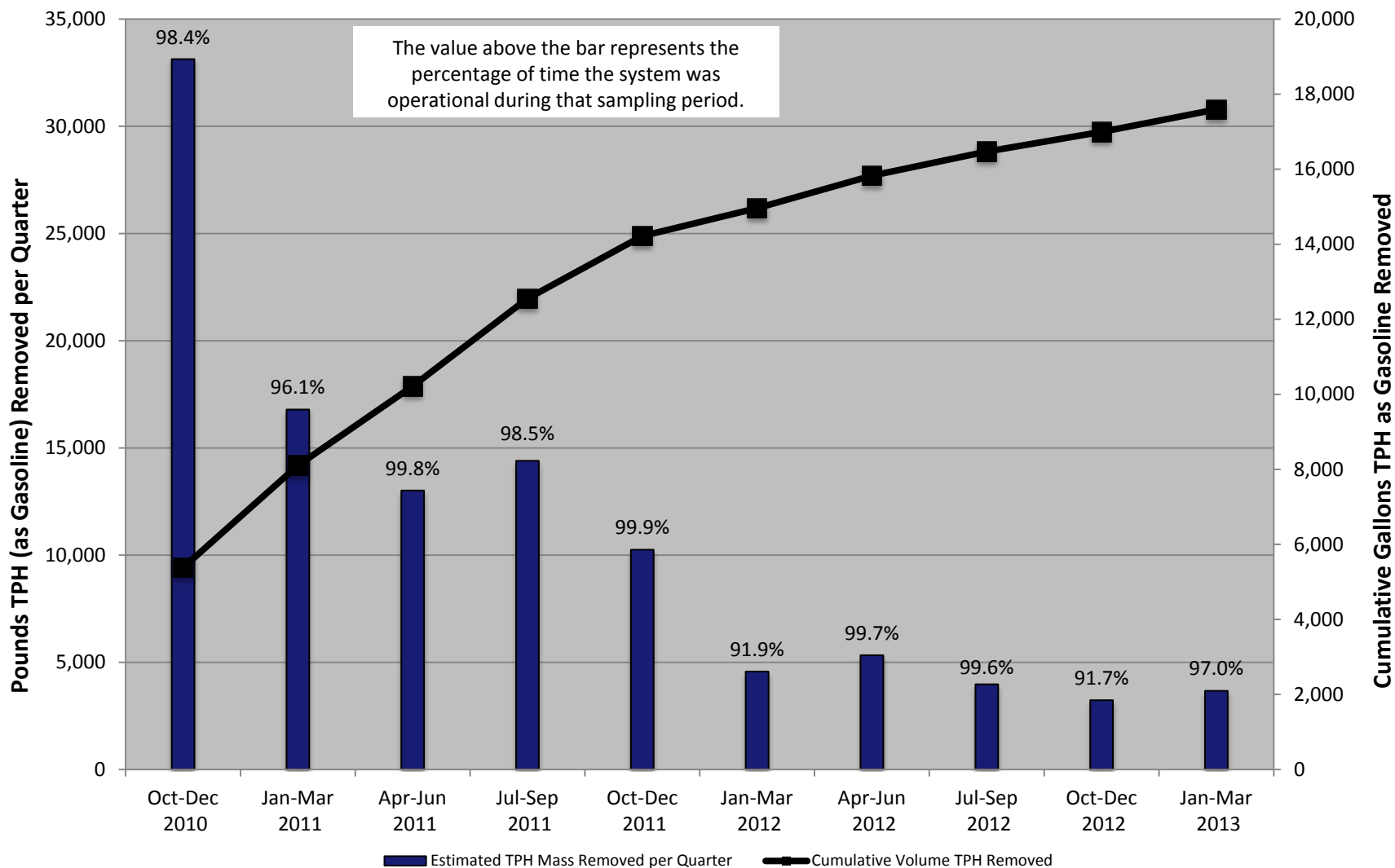
- 97% operational uptime
- Total Petroleum Hydrocarbons (TPH) removed – 3,670 pounds or 596 gallons (524 gallons removed from Oct – Dec 2012)
- 6 of 15 SVE wells operating (5 additional wells closed to extraction on 07 Feb 2013)
- Recirculation loop installed around SVE blower on 06 Feb 2013







# Site ST035 SVE System Performance





# ***Site ST035 SVE System Summary***

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- Average mass removal of TPH increased slightly as expected after extraction was focused on higher concentration wells
- 17,600 gallons of TPH removed to date
- SVE system continues operation within permit emission requirements
- Next performance sampling May 2013



# ***Site ST035 Path Forward***

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- **Updated site strategy to be developed after evaluating data collected from Feb 2013 groundwater sampling event and coordinating with ADEQ – May-July 2013**
- **Continue SVE operation and assess whether to perform rebound testing in coming months**
- **Ongoing quarterly groundwater sampling – Next event May 2013**
- **Achieve site closure under LUST regulation (R18-12-263.04)**

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

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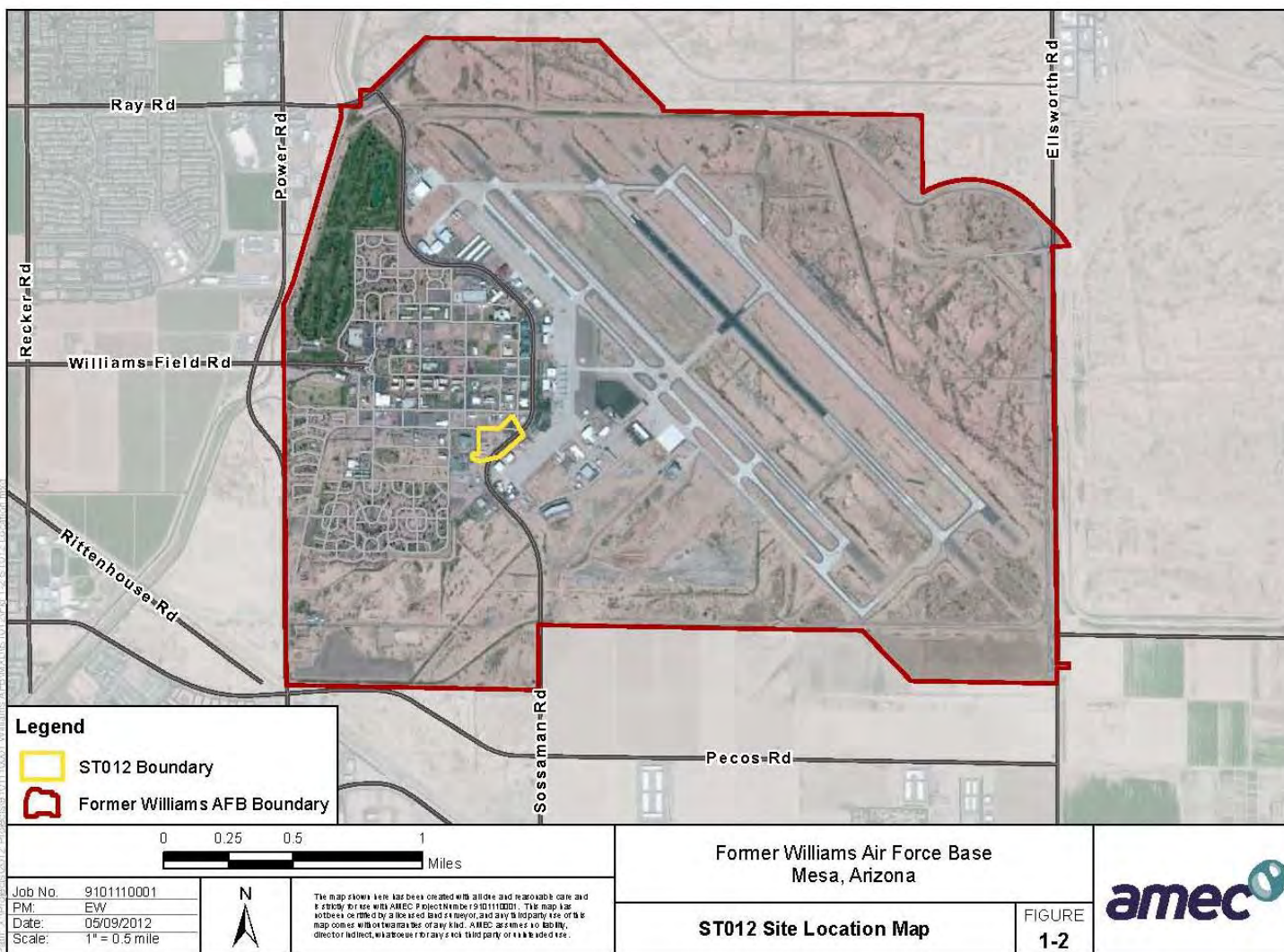
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**Site ST012, Former  
Liquid Fuels Storage  
Area**



# Site ST012 Location Map





# ***Site ST012 Site Background***

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- **Former liquid fuels storage operation**
- **19 underground storage tanks (USTs) and piping removed in 1990**
- **COCs in soil and groundwater are TPH and benzene**
- **Shallow soil (< 25 feet deep) cleanup achieved (1996): OU-2 ROD 1992**
- **Deep vadose zone soil (> 25 feet deep) currently treated by SVE: OU-2 ROD Amendment 1996**
- **Water table (~143 to 155 feet below ground surface [bgs]) has risen ~67 feet since 1989**



# ***Site ST012 Site Background cont***

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- **OU-2 ROD groundwater pump and treat remedy ineffective-**
  - **Alternative remedies evaluated in a Focused Feasibility Study (FFS), Nov 2012**
  
- **Amended Proposed Plan public meeting – April 18, 2013**
  
- **Public Comment period – Ended May 9, 2013**
  
- **Ongoing SVE, containment system operation, and annual groundwater monitoring (Nov)**
  
- **Currently no human health exposure pathways to contaminants at ST012 exist.**





# Site ST012 SVE System Update

## Jan – Mar 2013

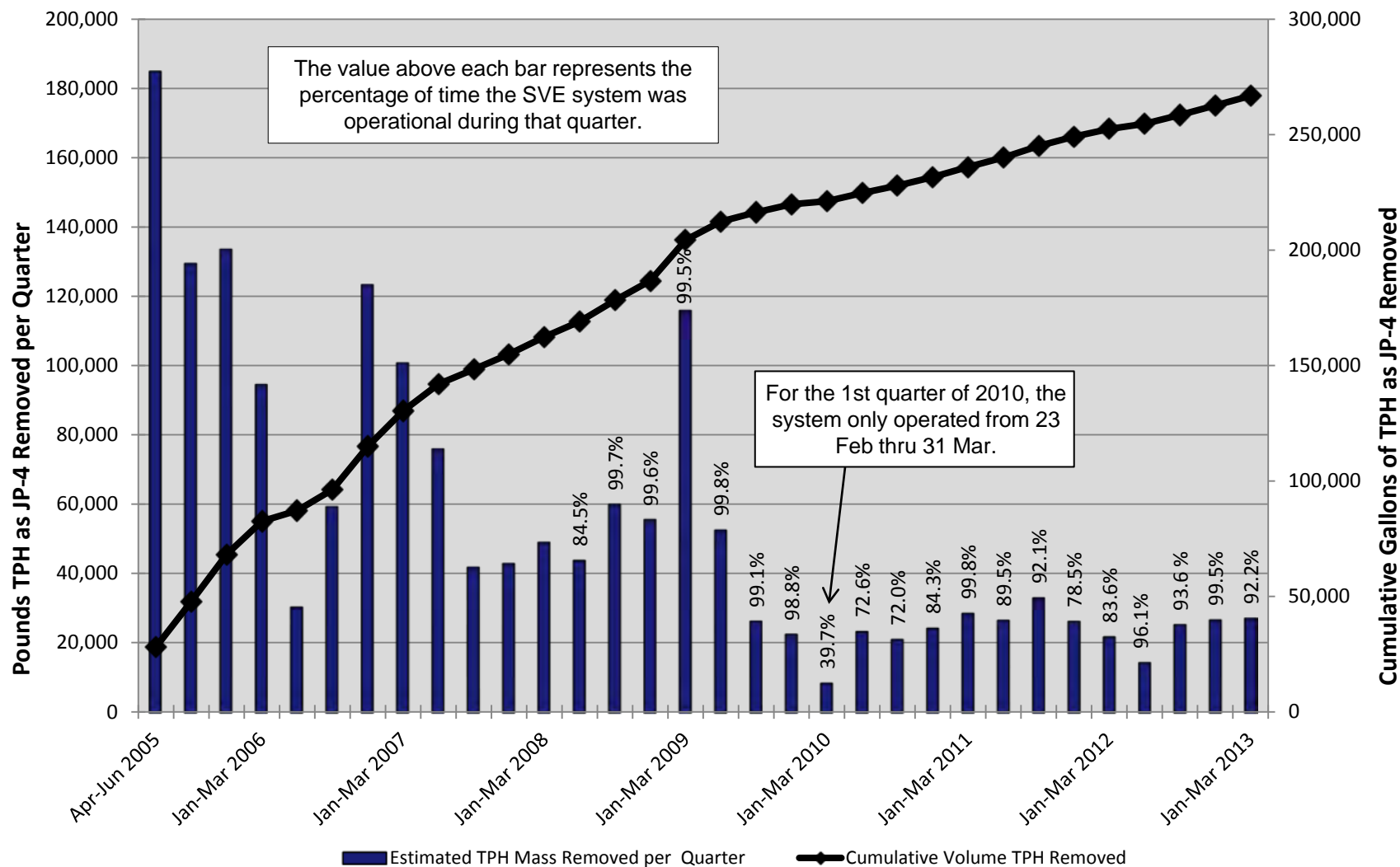
- 92.2% operational uptime
- TPH removed – 27,300 pounds or 4,150 gallons (4,080 gallons in Oct-Dec 2012)
- 9 of 27 SVE wells operating (same as Oct-Dec 2012)







# Site ST012 SVE System Performance





# ***Site ST012 SVE System Summary***

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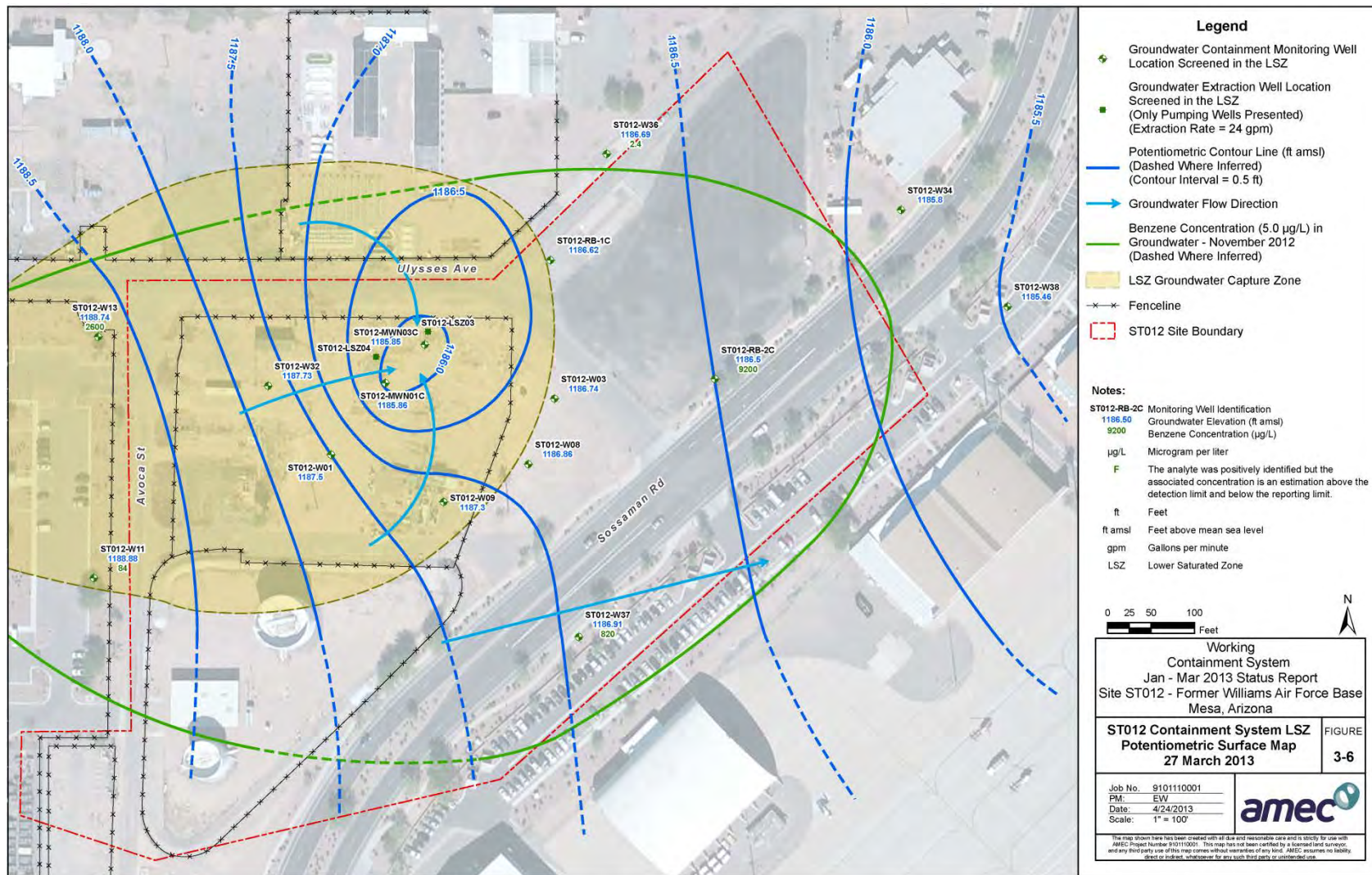
- **Average TPH mass removal rate remained stable in Jan thru Mar 2013**
- **TPH removed to date – 267,000 gallons**
- **Next SVE performance monitoring – May 2013**



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# Site ST012 Groundwater Containment System LSZ Potentiometric Surface Map Mar 2013 – 24 gpm Extraction





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# ***Site ST012 Path Forward***

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- **Groundwater Record of Decision Amendment – Summer 2013**
- **Remedial Design/Remedial Action Work Plan – Fall 2013**
- **Ongoing annual groundwater sampling – Next event Nov 2013**
- **Ongoing SVE performance monitoring and operation of containment system**
- **Remedial system construction and startup – Jan-Aug 2014**



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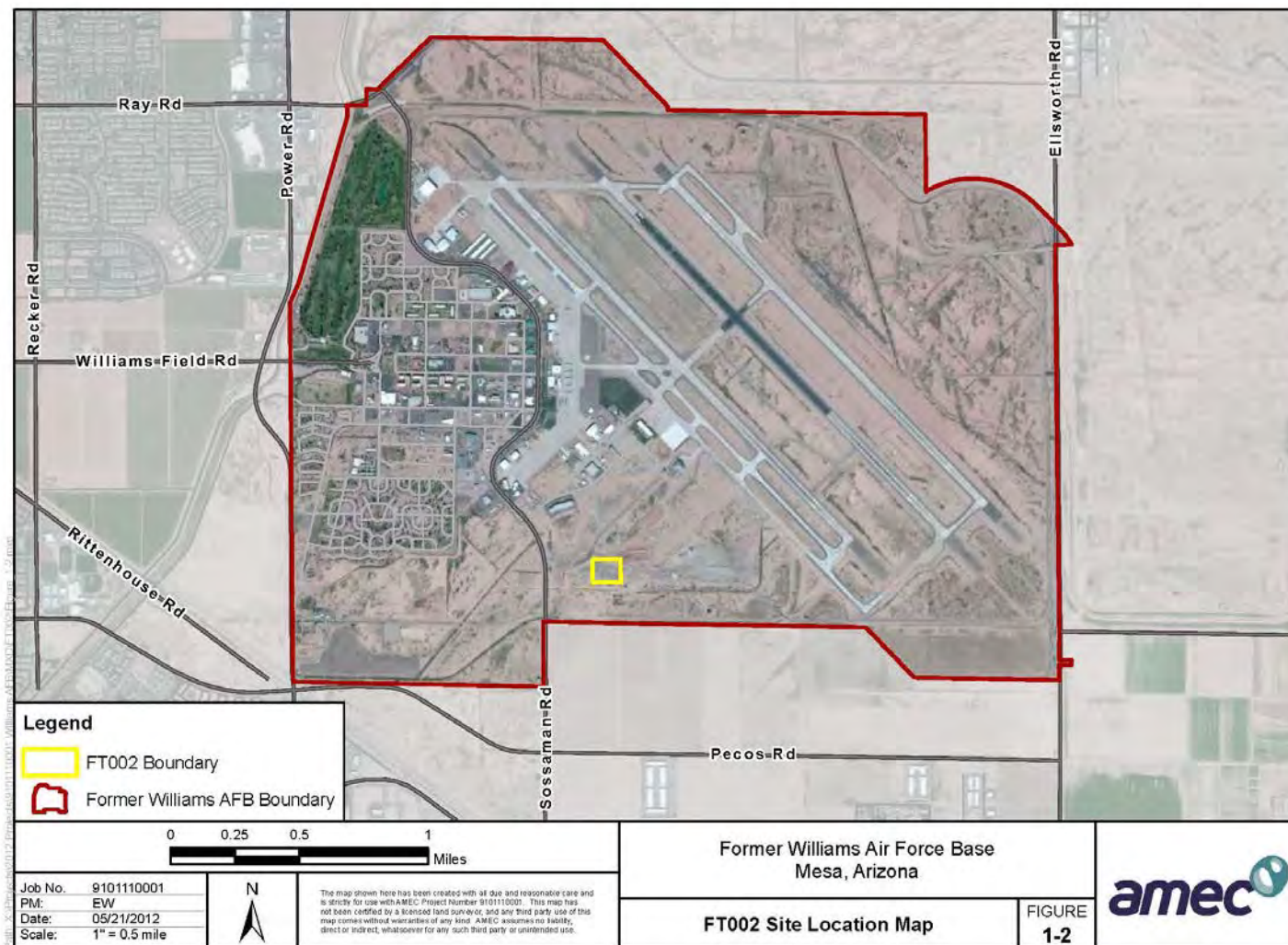
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**Site FT002, Fire  
Training Area  
Number 2**



# Site FT002 Location Map







# ***Site FT002 Site Background***

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- **Fire protection training activities (1958-1991)**
- **Soil COC: benzene, chloroform, 1,4-dichlorobenzene**
- **No evidence of groundwater impact**
- **OU- 3 ROD 1996; Soil Remedy (bioventing) implemented in 1996-1997**
- **Declaration of Environmental Use Restriction (DEUR) to prohibit residential use and require soil management below 5 feet**



## ***Site FT002 Path Forward***

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- **Soil and Soil gas sampling completed to determine whether cleanup levels are achieved – January 2013**
- **Submit site closure documentation for regulatory review – May 2013**
- **The goal is achieving regulatory approval for unrestricted site closure – August 2013 target**

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

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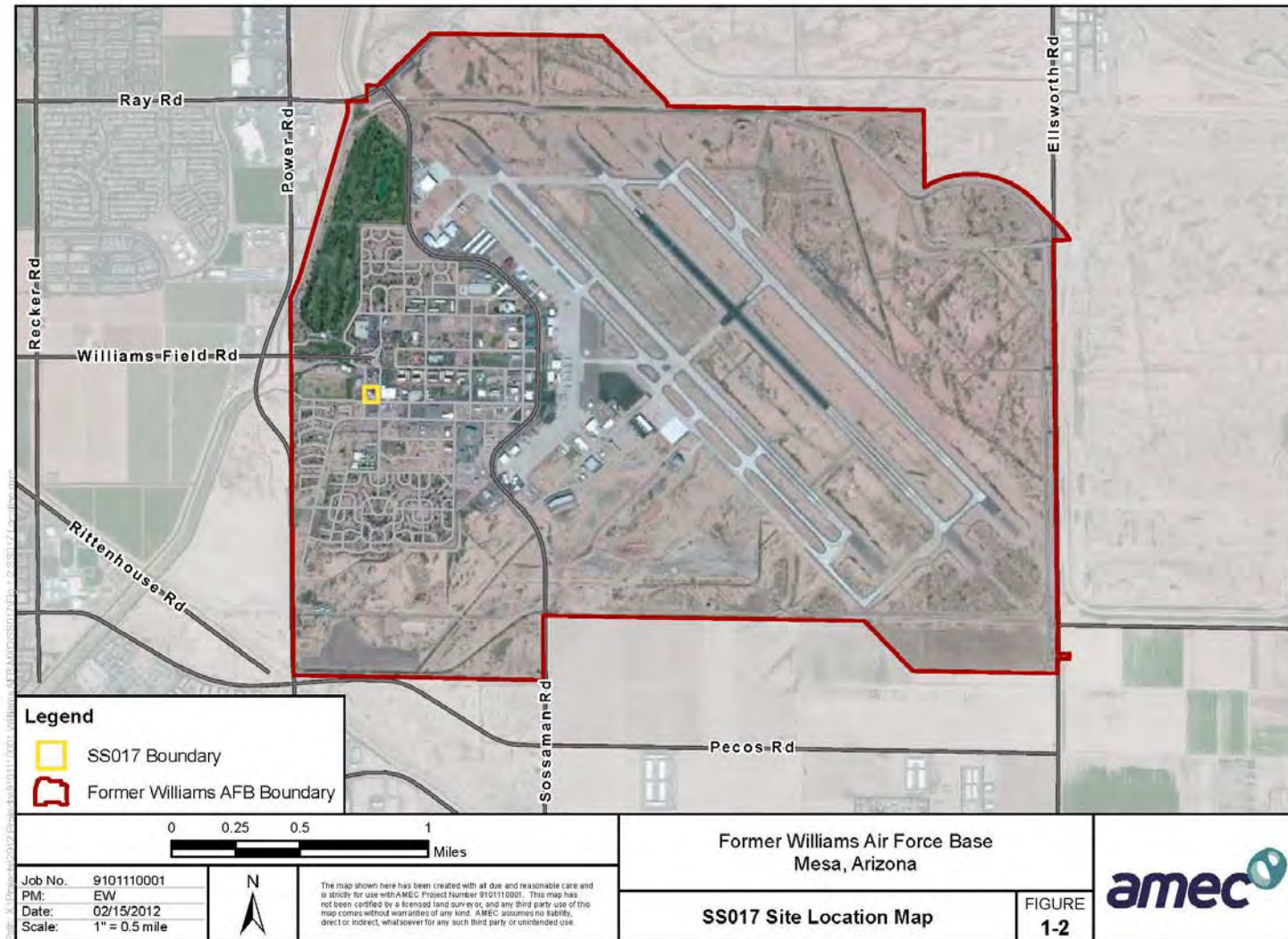
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**Site SS017, Old  
Pesticide/Paint  
Shop**



# Site SS017 Site Location Map





# ***Site SS017 Background***

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- **Old pesticide / paint shop**
- **Soil and groundwater COC: Dieldrin**
- **Removal action for soil completed in 2000**
- **Ongoing annual groundwater monitoring (Aug)**
- **Draft OU-6 ROD Mar 2012**



## ***Site SS017 Path Forward***

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- **Air Force to submit updated soil and groundwater risk evaluation for regulatory review – May 2013**
- **Next steps will be based on outcome of soil and groundwater risk evaluation**
- **Ongoing annual groundwater monitoring event – Next event Aug 2013**

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

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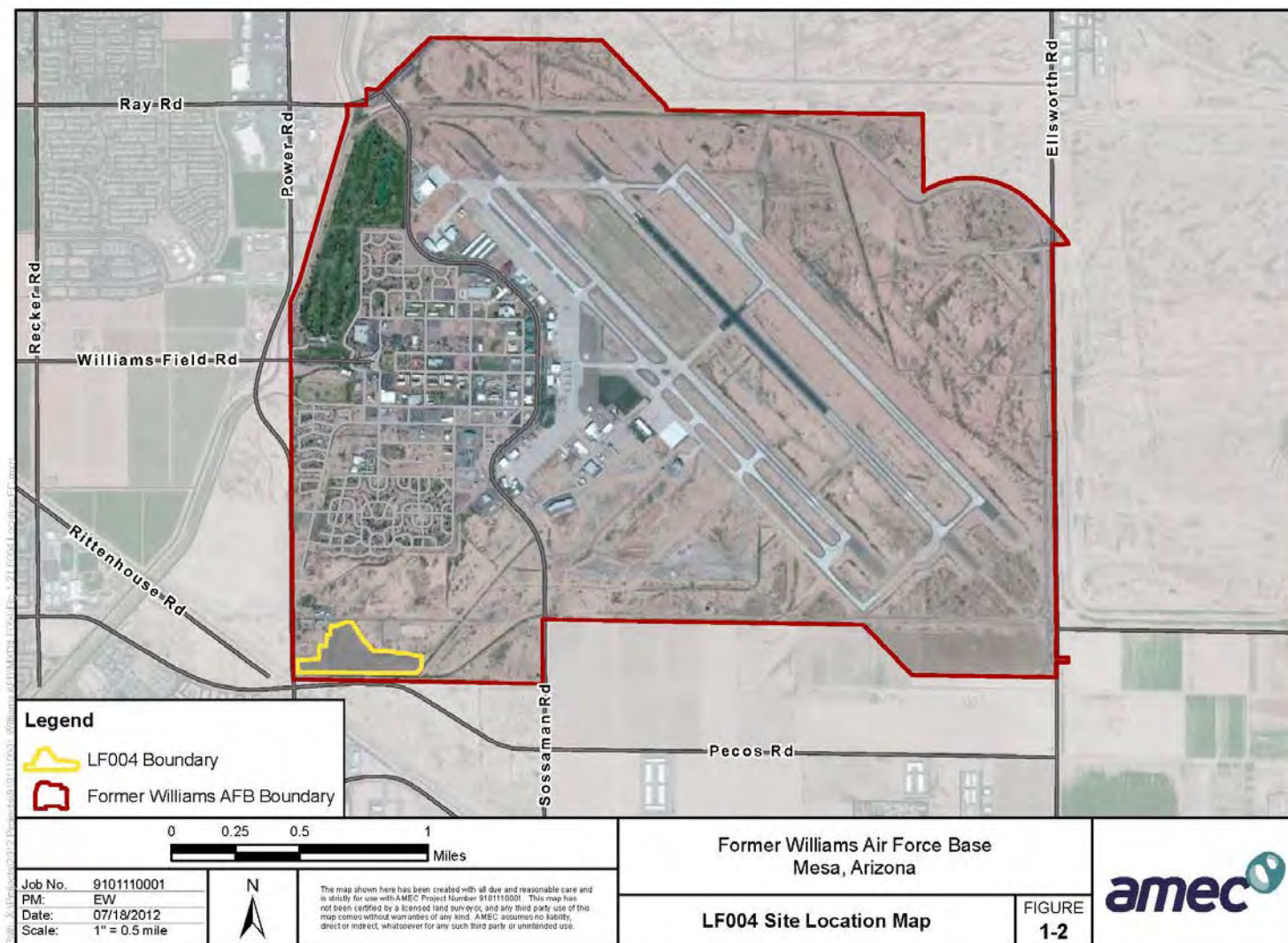


## **Site LF004, Landfill**





# Site LF004 Site Location Map





# ***Site LF004 Site Background***

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## **■ Landfill**

- **Former solid waste landfill**
- **Operated from 1941 to 1976**
- **Closed in 1995 with a permeable soil cap (OU-1 ROD 1994)**
- **Rising groundwater table**
- **Ongoing semiannual groundwater monitoring**

## **■ COCs**

- **Dieldrin and beryllium in surface soil**
- **Tetrachloroethene (PCE) and Trichloroethylene (TCE) in groundwater and soil gas**



## ***Site LF004 Path Forward***

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- **Amended Proposed Plan public comment period – May 1-30, 2013**
  - **Amended Proposed Plan public meeting – May 14, 2013**
  - **Record of Decision Amendment – Summer 2013**
  - **Remedial Design / Remedial Action Work Plan – Fall 2013**
  - **Ongoing semi-annual groundwater monitoring – Next event May 2013**
  - **Annual cap inspection – Fall 2013**
  - **Continue landfill maintenance**
  - **Remedial system construction and startup – Apr-Jul 2014**
-

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## **Other Active Projects**

Presented by:  
Ms. Catherine Jerrard  
AFCEC



# ***Munitions Response Site XU403 Area 1***

## ***Final Munitions Response Action***

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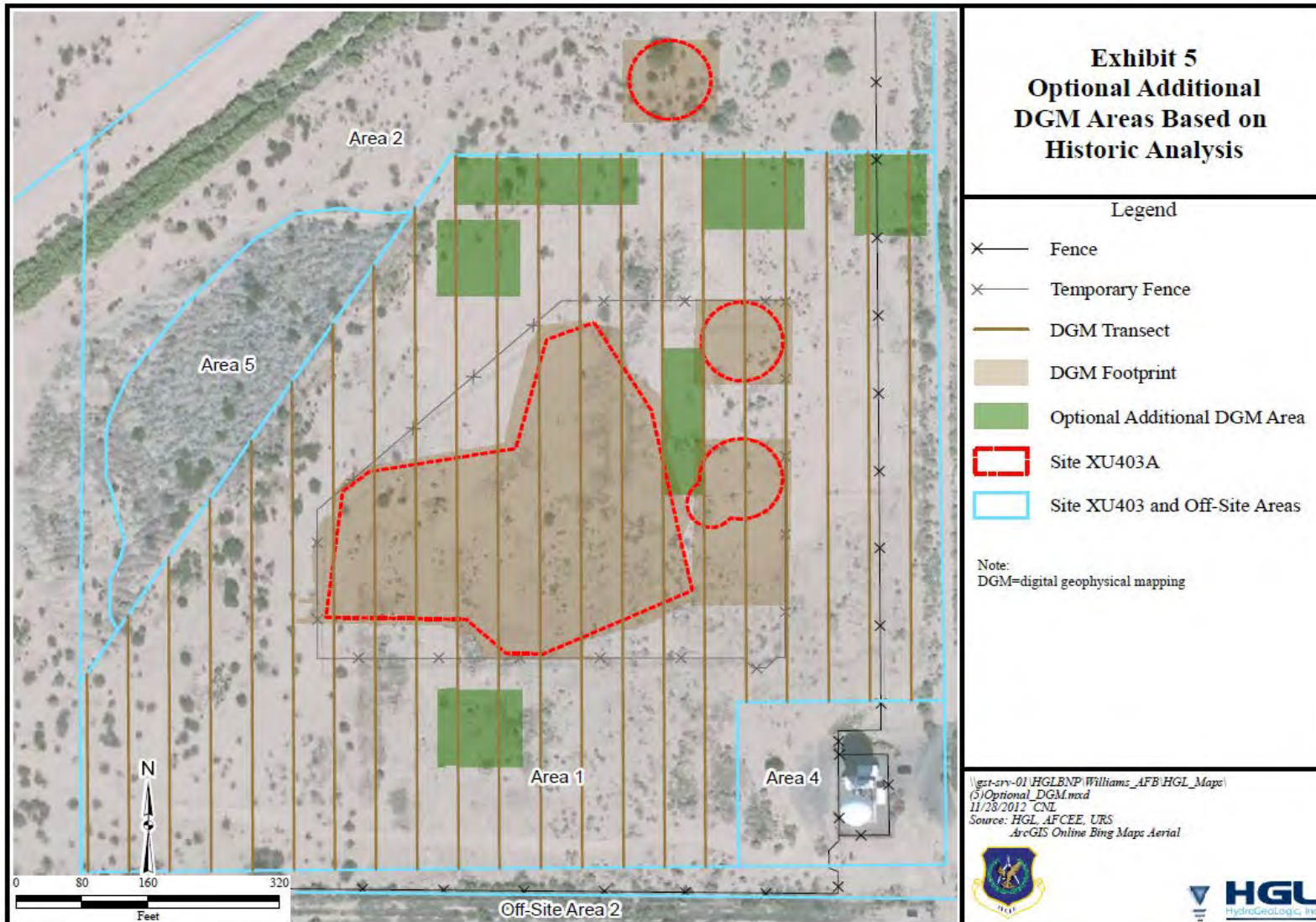
- **Contract Awarded February 28, 2013 to HydroGeoLogic, Inc. (HGL)**
- **Work Plan Submittals May 2013**
- **Potential for additional digital geophysical mapping (DGM) identified**
  - **Historical aerial photograph analysis performed**
  - **Potential pits identified**
  - **Additional investigation indicated**





# Munitions Response Site XU403 Area 1

## Final Munitions Response Action





# ***Munitions Response Site XU403 Area 1***

## ***Final Munitions Response Action***

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- **Field Work Begins September 2013**
  - **Munitions Removal Action**
  - **Environmental Sampling**
  - **Debris Disposal**
  
- **Completion Reports 2013-2014**

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## **Meeting Wrap-Up**

Presented by:  
Mr. Len Fuchs/ Ms. Catherine Jerrard  
RAB Community Co-Chairs  
and Scott Johnston



# ***Meeting Wrap-Up***

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- **Review action items**
- **Call for agenda items for next RAB meeting**
- **LF004 Proposed Plan public meeting – May 14, 2013**
- **Meeting adjourned**

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## **Meeting Adjourned**



## DISTRIBUTION LIST

## Final 14 May 2013 Williams RAB Meeting Minutes

**Electronic Copy**

Col. Len Fuchs, RAB Community Co-Chair  
 Dale Anderson, RAB, Gila River Indian  
 Community  
 Matt Fesko, RAB, ASU graduate student  
 Lisa Marie Gerdel, RAB, Gilbert resident  
 James Holt, RAB, Queen Creek resident  
 Tom Zuppan, RAB, Gilbert resident  
 Alan Ruffalo, RAB, Power Ranch resident  
 Teresa Harris, RAB, Gilbert resident  
 Lonnie Frost, RAB, Gilbert Public Works  
 Scott Bouchie, RAB, City of Mesa

Phillip Mook, AFCEC/CIBW  
 Catherine Jerrard, RAB Co-Chair, AFCEC  
 Linda Geissinger, AFCEC/CIBW  
 Colleen Gilbert, Congressional Military Affairs  
 Dianna Saenz, AFCEC

Thomas Butler, USEPA  
 Eva Davis, USEPA  
 Carolyn d'Almeida, RAB, USEPA  
 Wayne Miller, RAB, ADEQ  
 Don Atkinson, ADEQ  
 Delfina Olivarez, ADEQ  
 Steve Willis, UXO Pro, ADEQ contractor  
 Bill Mabey, Tech Law, USEPA contractor

Brian Sytsma, Sytsma Group  
 Scott Johnston, Sytsma Group  
 Mary Hall, Sytsma Group  
 Geoff Watkin, Cherokee Nation Tech. Services  
 Calvin Cox, Cherokee Nation Tech. Services

Don Smallbeck, AMEC  
 Everett Wessner, AMEC  
 Julie Hamilton, AMEC  
 Emily Corkery, AMEC  
 Chris Courtney, AMEC

Karen Honeycutt, RAB, ASU  
 Sharalyn Barnby, ASU  
 Angela Creedon, ASU  
 Latonja West, ASU  
 Steve Nielson, ASU  
 Joshua Hoyt, ASU  
 Steve Hunter, ASU  
 Richard Malloy, ASU  
 Lawrence Dough, Able Engineering  
 Victor Gamez-Grijalva, CH2MHILL  
 Phil Whitmore, CH2MHILL  
 Jim Husbands, Booz Allen Hamilton  
 Angie Kannada, Tierra Dynamics  
 Dan Kelley, Tierra Dynamics  
 Laura McNamara, HGL  
 Kimberly Vaughn, HGL  
 Neil Feist, HGL  
 Roger A. Fitzpatrick, USACE  
 John Pekala, Environmental Corporation  
 Martin Sepulveda, Sepulveda Group  
 Brian Sexton, Gateway Airport  
 Dennis Orr, RAB, Gateway Airport  
 Carmen Williams, Gateway Airport  
 Janet Workman, URS  
 Jay Harbin, URS  
 Elspeth Sharp, URS  
 Devan Phelan, Terra Therm  
 Patrick Banger, Town of Gilbert - City Manager  
 Kathy Rall, Town of Gilbert  
 Collin DeWitt, Gilbert Fire Dept.  
 Mark Holmes, City of Mesa  
 John Meter, City of Mesa  
  
 Glen Stephens, Ch. 11 Mesa public access  
 Art Thomason, Arizona Republic  
 Ben Shunk, Community, Gilbert  
 Leo Pessin, Community, Gilbert  
 Beverly Selvage, Community, Mesa  
 Thom Schuett, Community, Queen Creek  
 Glenn Stark, Community, Gila River Indian  
 Community

**FINAL PAGE**

**ADMINISTRATIVE RECORD**

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