

Air Force Real Property Agency

I n t e g r i t y - S e r v i c e - E x c e l l e n c e

Kelly Restoration Advisory Board

14 July 2009



Port San Antonio
907 Billy Mitchell Blvd.
San Antonio, TX 78226
6:30 - 8:20 p.m.

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Welcome and Overview

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- **6:30 – 6:37** **Welcome and Overview**
- **6:37 – 6:40** **RAB Administrative Items**
- **6:40 – 7:00** **AFRPA Cleanup and Property Transfer**
- **7:00 – 7:10** **TCEQ Permit/Compliance Plan Renewal**
- **7:10 – 7:30** **Updates: Building 360 and Former Building 301**
- **7:30 – 8:00** **Site MP Update: Former Metal Plating Shop,
Building 171 Parking Lot**
- **8:00 – 8:15** **Public Comment Period**
- **8:15 – 8:20** **Suggested Agenda Items for next RAB**
- **8:20** **Meeting Adjournment**



RAB Administrative Items

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6:37 – 6:40 p.m.

- **Newspaper Announcements**
 - **San Antonio Express-News: July 8 & 13, 2009**
 - **La Prensa: July 8 & 12, 2009**
 - **Kelly Observer: July 9, 2009, RAB Recruitment Efforts (article)**
- **Recruitment Calendar Flyers and Posters**
- **RAB Member Outreach**
- **Membership drive will remain open and on-going**
- **Current Intake: Provided RAB applications to two (2) interested community members in the month of July**

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AFRPA / Kelly Cleanup and Property Transfer Highlights



Paul Carroll
BRAC Environmental Coordinator

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Kelly Environmental Cleanup/ Property Transfer Highlights

- The Air Force Successfully transferred 1,017 acres in FY08 to Port San Antonio for beneficial reuse.
- The Air Force has spent more than \$280 million on the clean up. To date, 82% of the environmental sites have been closed in accordance with federal and state regulatory standards.
- There were originally 52 IRP sites identified at former Kelly AFB (17 were realigned to LAFB during closure in 2001). Of the remaining 35 IRP sites at Kelly, 24 have been closed and 11 are still open.



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Kelly Environmental Cleanup/ Property Transfer Highlights

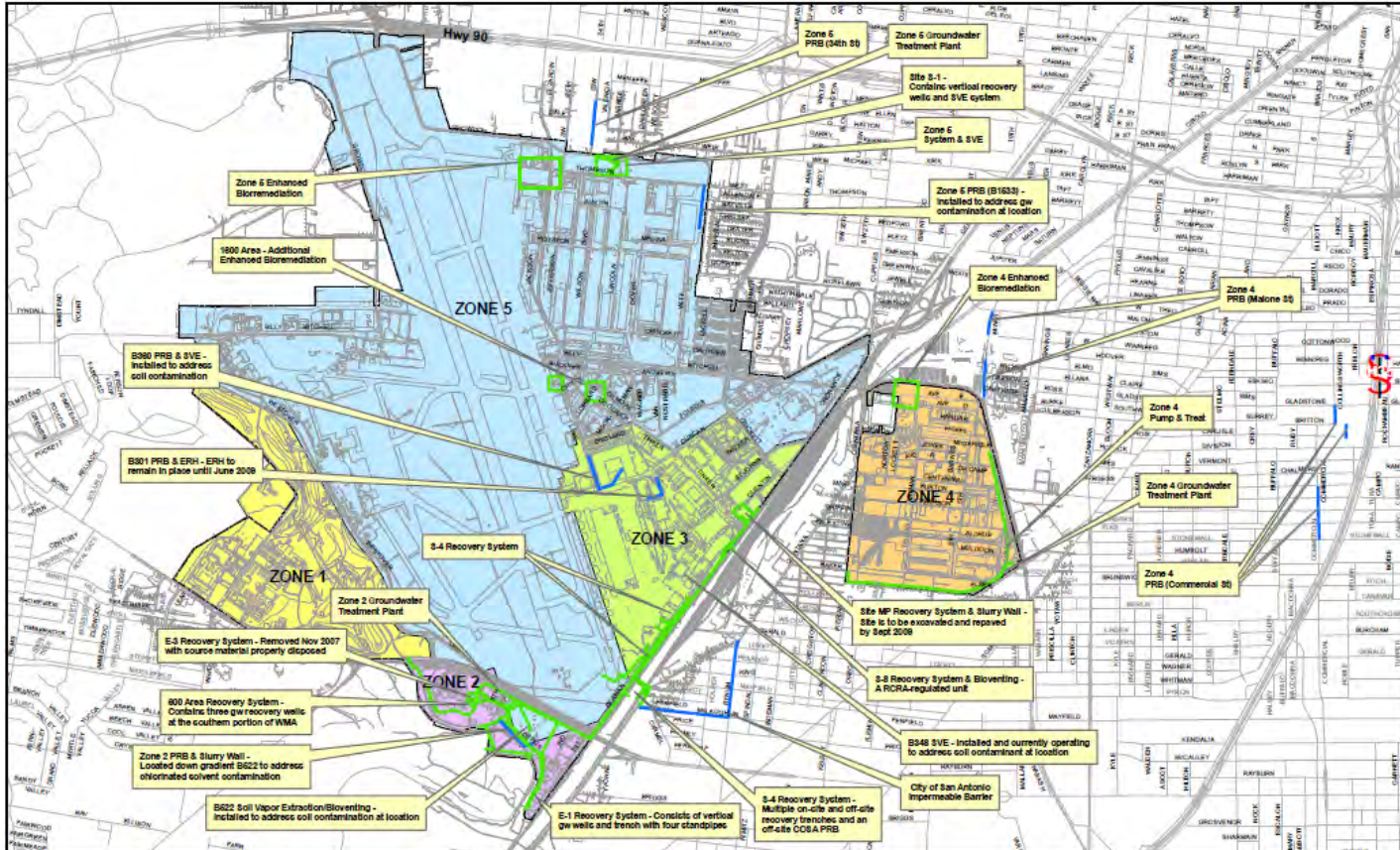
- The Air Force is currently working with EPA and TCEQ to ensure remedies are in place and to demonstrate Operating Properly and Successfully (OPS) to transfer the remaining 440 acres of property in FY09 and FY10.
 - Zone 2 (approximately 77 acres) is scheduled to transfer August 2009
 - Zone 3 (approximately 363 acres and includes most of the industrial area) is scheduled to transfer in August 2010.



Kelly Remediation Systems


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Remediation Systems/Processes March 2009



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Date: 15 March 2009

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AFRPA / Kelly RCRA Permit and Compliance Plan



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RCRA Permit and Compliance Plan Renewal

- **The Draft Semiannual Compliance Plan Report was submitted to TCEQ in January 2009. This report documents the results of the semi-annual sampling of Leon Creek and base wide groundwater sampling. This report was approved on April 21, 2009.**
- **The Final Draft RCRA Permit and Compliance Plan renewal for former Kelly AFB completed the public comment period in March 2009. TCEQ issued the new permit and compliance plan on April 13, 2009.**

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AFRPA / Kelly Building 360 Update



**Paul Carroll
BRAC Environmental Coordinator**

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SVE Operations

- Building 360 SVE system is continuing to operate properly and remove contaminants as intended.
- Will continue to operate SVE system and make adjustments to meet technical and regulatory goals.
- Noise Reduction Actions have been completed. The final acoustic enclosure for the blower motor has been installed since the last RAB meeting.





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SVI Investigation Summary

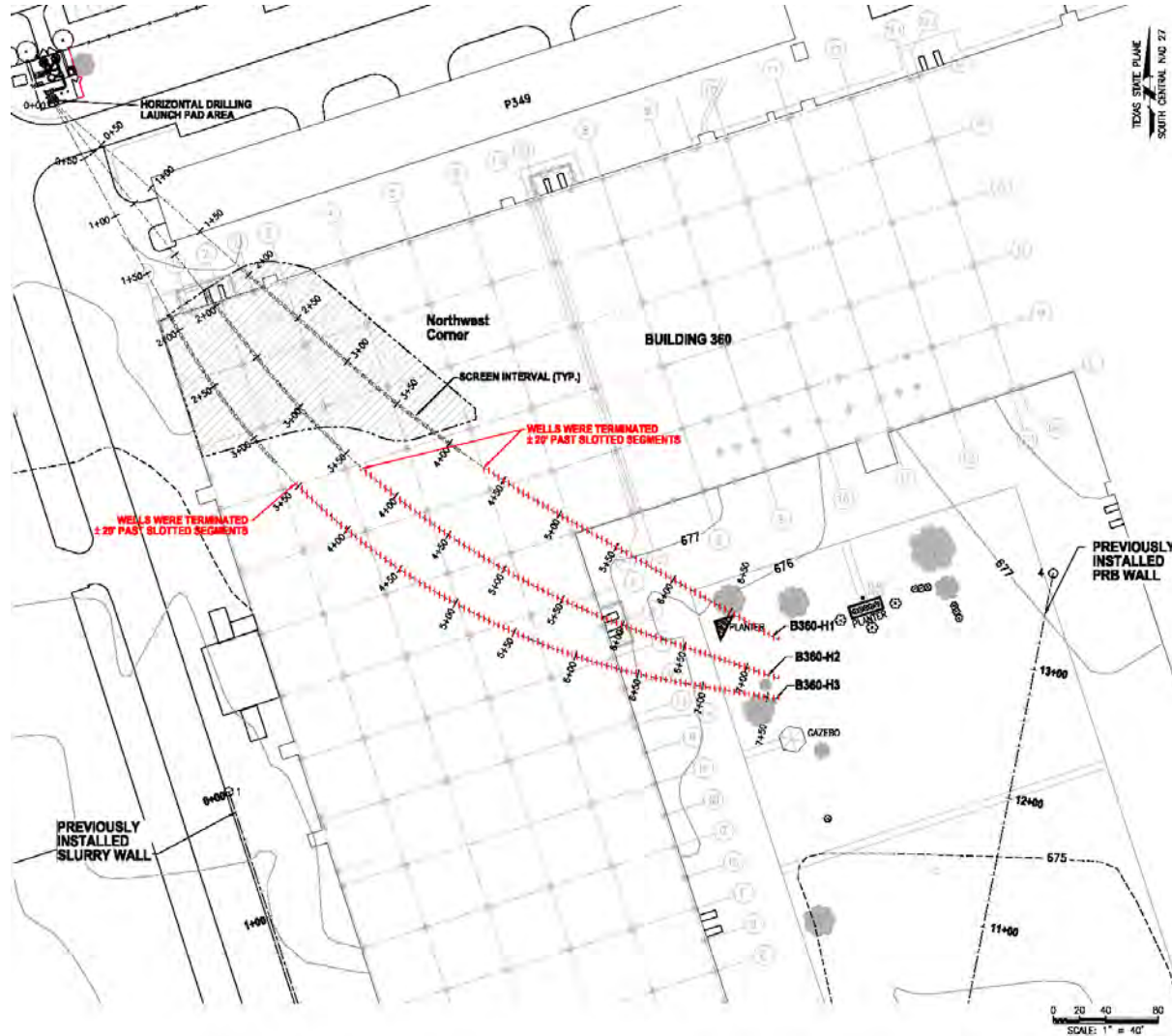
- ❑ AFRPA installed 30 vapor monitoring points (VMPs) beyond the known historical vertical and horizontal extent of contamination beneath Building 360.
- ❑ Soils were sampled during VMP installation to provide a current assessment of the vertical and lateral extent of PCE; TCE; 1,2 total DCE; and VC.
- ❑ Vacuum pressures were measured at each VMP to assess the B360 SVE System Radius of Influence (ROI).
- ❑ The SVE system's ROI was compared to soil contamination data to determine if the SVE system is adequately addressing the known sources of contamination.
- ❑ Data will also aid in determining timeframe for site closure.





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Aerial View of Historical Soil Contamination and SVE System

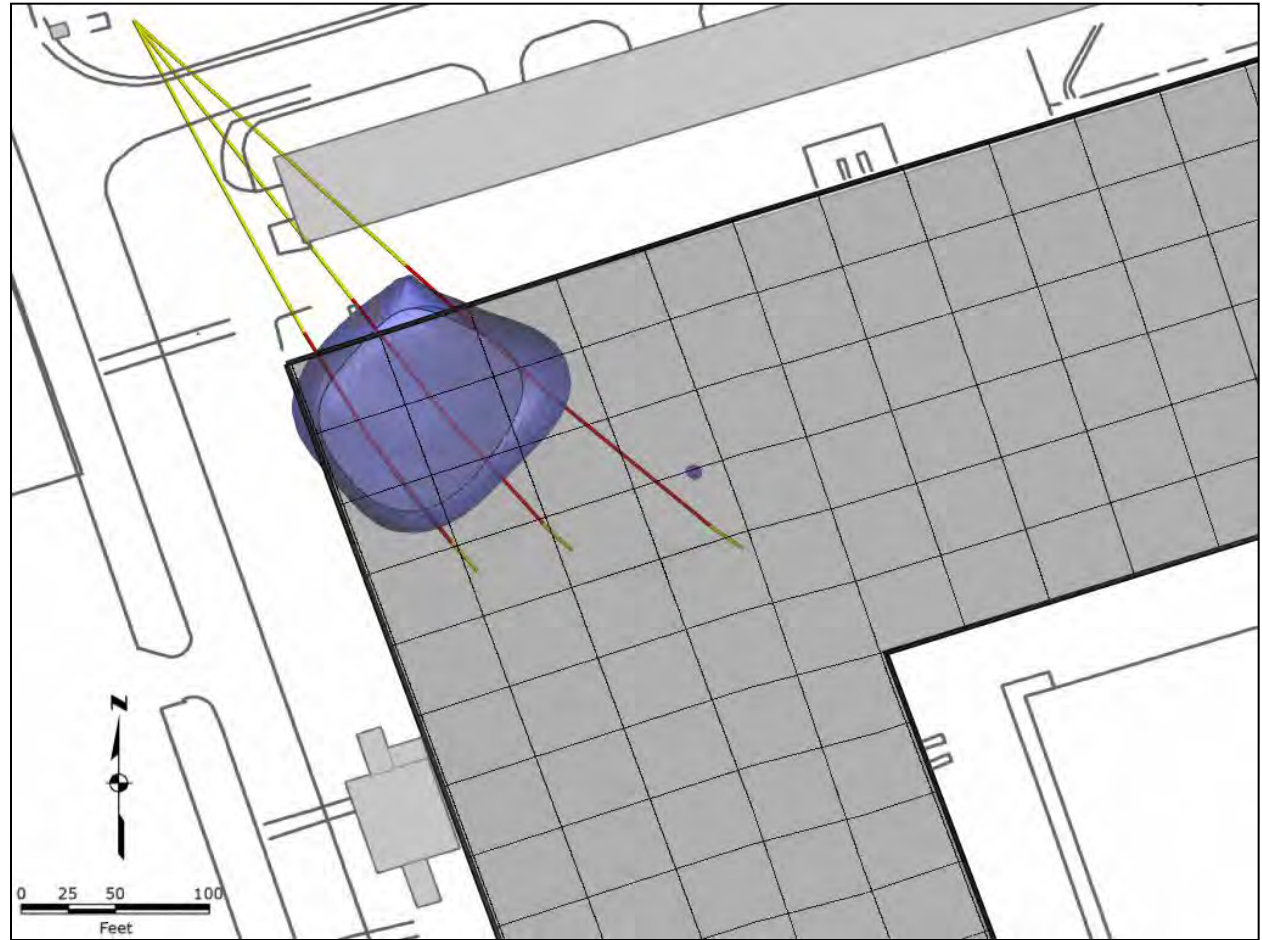




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Extent of Historical PCE Soil Contamination (500 PPB)

AERIAL VIEW

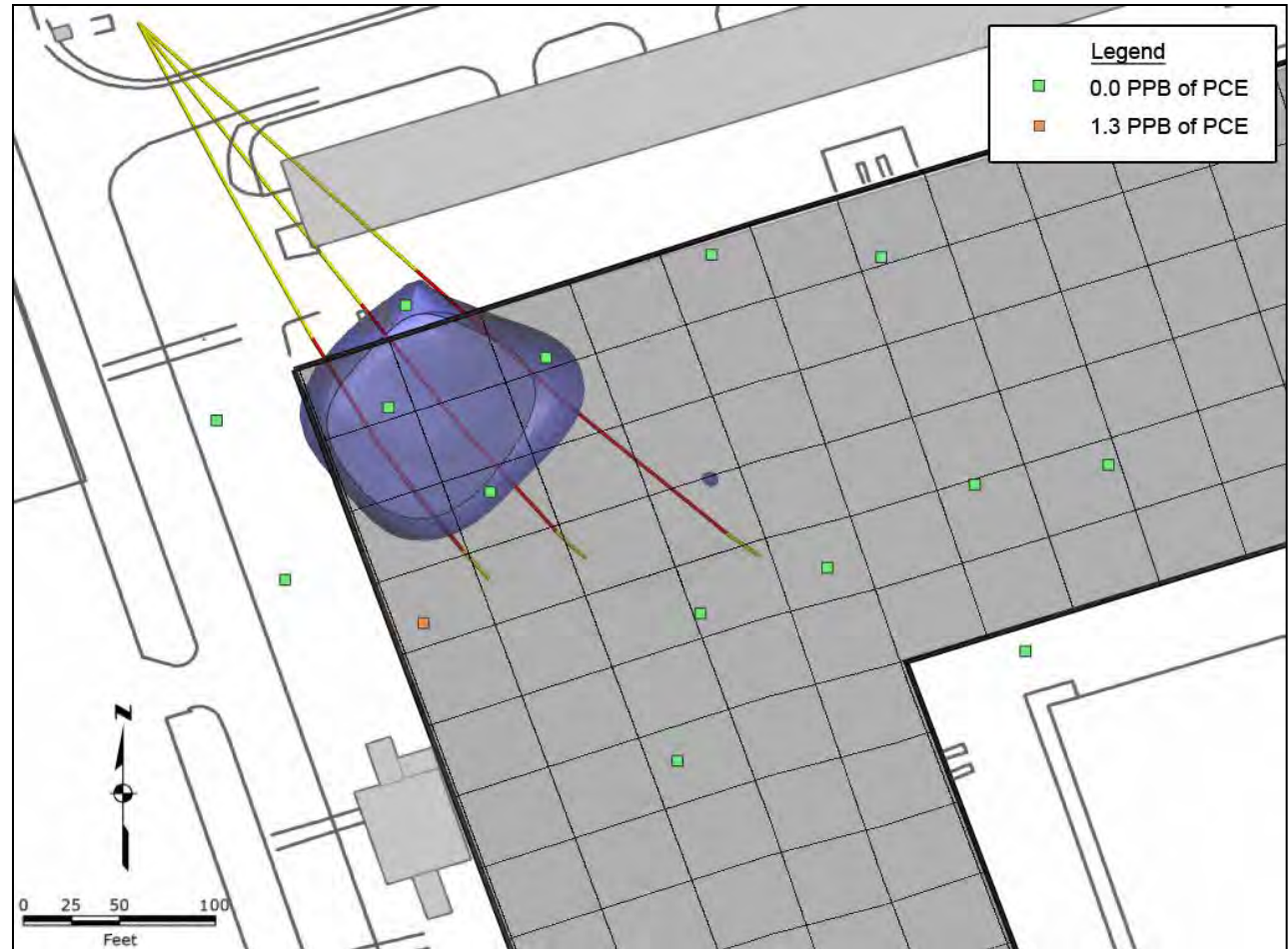




Current PCE Data Compared to Historical PCE Data

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- ❑ This aerial view shows the **current non-detected (green squares) and detected (orange square) soil concentrations of PCE** from the April/May 2009 sampling event.
- ❑ The current PCE concentrations are superimposed on top of the PCE historical data (500 PPB).
- ❑ Concentrations of all current samples are below the PCE regulatory limit of 500 PPB.

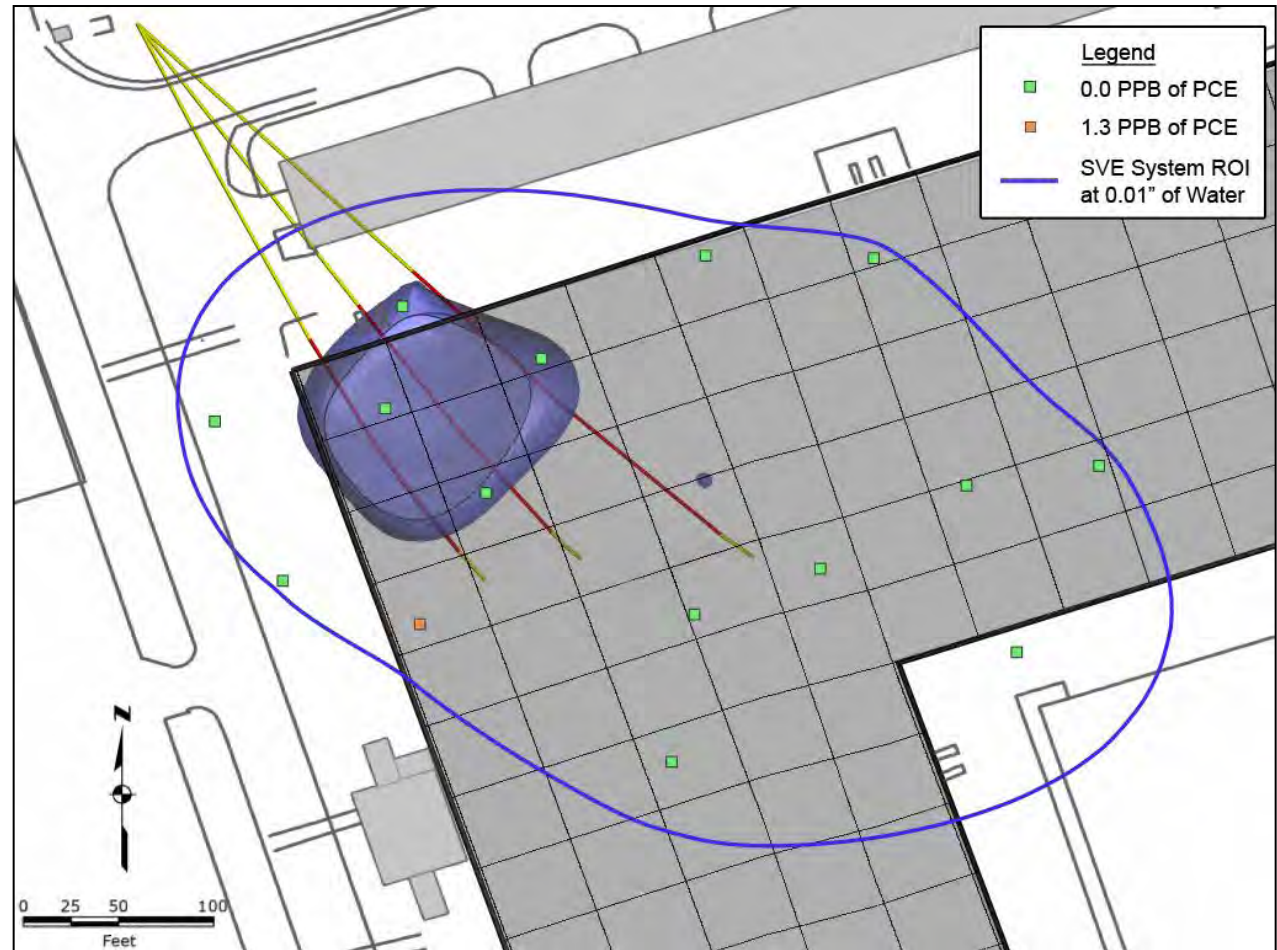




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Current and Historical PCE Concentrations vs. System Radius of Influence

- This figure shows the **current soil non-detects (green squares) and detected (orange square) concentrations of PCE** from the April/May 2009 sampling event in relation to the SVE System ROI.
- The current PCE concentrations and ROI results are superimposed on top of the PCE historical data (500 PPB).
- Concentrations of all current samples are below PCE regulatory limit of 500 PPB.



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Former Building 301 Electric Resistive Heat (ERH)



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BRAC Environmental Coordinator

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Remedial Action at Former Building 301

- The ERH system was brought online July 2008.
- Soil temperatures were heated from 27.0° C to the designed target temperature of 92.0° C (197.6°F).
- Over 1,200 lbs of chlorinated solvents have been removed to date.





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100% Confirmation Sampling

- Samples collected throughout most of the site have been determined to be below regulatory standards.
- The Air Force has requested approval from TCEQ to shut down that portion of the ERH system.
- The ERH system in the remaining area will continue to operate until it meets regulatory standards.



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Building 301 Zones of Operation





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Site MP Update: Former Metal Plating Shop, Building 171 Parking Lot

7:30 – 8:00 p.m.

- **Updates: Former Metal Plating Shop, Building 171 Parking Lot**
- **Questions from RAB**

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Site MP Update: Former Metal Plating Shop, Building 171 Parking Lot



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BRAC Environmental Coordinator

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Site MP Update: Former Metal Plating Shop, Building 171 Parking Lot



Integrity - Service - Excellence

Restoration Advisory Board Presentation for Remediation of Source Contamination at IRP Site SS040, Former Kelly AFB, Texas

July 14, 2009



Agenda

Remediation of Source Contamination at IRP Site SS040

- **Introductions**
- **Work Completed to Date**
- **Remaining Work to be Completed**
- **Schedule**
- **Conclusion**

Introductions

Remediation of Source Contamination at IRP Site SS040

■ Tetra Tech Project Team

- Project Manager - Bill Norton
- Technical Leads - Brian Howard and Larry Tyner

■ Air Force Personnel

- Mark Davis, AFCEE COR
- Paul Carroll, AFRPA (BRAC Environmental Coordinator for Former Kelly AFB)
- Luis Medina, AFRPA Environmental Project Manager

Work Completed to Date

Remediation of Source Contamination at IRP Site SS040

Completed Site Activities

- Completed all initial site field activities including mobilization, set up of field office and utilities, installation of perimeter fencing, and submission of project work plans.
- Completed utility rerouting and abandonment, initial surveying, and construction of lay down area and decontamination facility.
- Completed the geophysical survey, initial site characterization/drilling effort, and well abandonment.
- Conducted baseline groundwater sampling and analyses for 10 existing monitoring wells.
- Removed and recycled 1,390 cubic yards of asphalt.
- Removed and disposed of 1,360 cubic yards of concrete.
- Removed and disposed of 41,600 cubic yards of Class II soils from 0.5 to 45 feet bgs.
- Removed and disposed of 370 cubic yards of hazardous soil from 0.5 to 45 feet bgs.
- Installed shoring from 0 to 30 feet bgs.
- Completed dewatering effort which required removal of 907,950 gallons of contaminated groundwater.
- Installed 5 groundwater remediation bio cells from 35 to 45 feet bgs.
- Finalized backfilling and grading plans and specifications for site restoration.
- Initiated backfill and compaction activities (to date have placed a total of approximately 43,000 cubic yards of clean fill material).

Figure 1 – Soil Excavation Photograph

Remediation of Source Contamination at IRP Site SS040



Figure 2 – Bio Cell Installation

Remediation of Source Contamination at IRP Site SS040



Figure 3- Current Site Status Photograph

Remediation of Source Contamination at IRP Site SS040



Remaining Work to be Completed

Remediation of Source Contamination at IRP Site SS040

- **Continue backfilling and compaction of excavated areas**
- **Installation of waterloo sheet piling**
- **Replacement of groundwater monitoring wells**
- **Replacement of asphalt parking lot**
- **Demobilization of equipment/personnel**
- **Annual groundwater monitoring events (3)**
- **Reporting**

Schedule

Remediation of Source Contamination at IRP Site SS040

Schedule of Remaining Field Activities

- **Backfill – estimated completion 7/17**
- **Install groundwater monitoring wells – 7/20 – 7/24**
- **Waterloo sheet piling installation – start 7/20**
- **Asphalt replacement - 7/27**
- **Demobilization - 8/7**

Conclusion

Remediation of Source Contamination at IRP Site SS040

Questions?





Public Comment Period

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8:00 – 8:15 p.m.

■ Public Comment Period



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Suggested Agenda Items for October 13, 2009 RAB

8:15 – 8:20 p.m.

■ **Suggested Agenda Items for next RAB**



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Meeting Adjournment

8:20 p.m.

■ **Meeting Adjournment**



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Notes – Upcoming Meetings

■ **Next RAB Meeting:**

- 13 October 2009, 6:30 p.m.
- Port San Antonio Boardroom
907 Billy Mitchell Blvd., San Antonio, TX 78226



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For More Information

- **Contact AFRPA Public Affairs:**
 - Public Information Line: 210-925-0956
 - Fax: 210-925-3636
 - Email: AFRPA.PA@lackland.af.mil

- **Documents are available electronically or in hard copy:**
 - **Administrative Record Site:**
<https://afrpaar.lackland.af.mil/ar/docsearch.aspx>

 - **San Antonio Central Library**
Government Documents Section (2nd Floor)
600 North Soledad, San Antonio, TX 78205