

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

November 18, 2008, 7:00 p.m.

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

**Attendees:**

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| <b>Mr. William Lopp</b>     | <b>Air Force Center for Engineering and the Environment (AFCEE)/Base Realignment and Closure (BRAC) Environmental Coordinator (BEC)/Air Force Co-Chair</b> |
| <b>Mr. Len Fuchs</b>        | <b>RAB Community Co-Chair</b>  |
| <b>Mr. Don Atkinson</b>     | <b>Arizona Department of Environmental Quality (ADEQ)</b>  |
| <b>Ms. Felicia Calderon</b> | <b>ADEQ</b>  |
| <b>Ms. Lisa Gerdl</b>       | <b>RAB Member</b>  |
| <b>Mr. Scott Bouchie</b>    | <b>RAB Member/City of Mesa</b>   |
| <b>Ms. Jean Humphries</b>   | <b>RAB Member/Arizona State University</b>   |
| <b>Mr. Dennis Orr</b>       | <b>RAB Member/Phoenix-Mesa Gateway Airport</b>   |
| <b>Ms. Amber Cargile</b>    | <b>Cargile Communications</b>  |
| <b>Mr. Jay Harbin</b>       | <b>URS Corporation</b>   |
| <b>Mr. Ed Mears</b>         | <b>BEM Systems</b>   |
| <b>Mr. Philip Price</b>     | <b>BEM Systems</b>   |

Mr. Lopp called the meeting to order at 7:00 p.m., welcomed RAB members, and asked attendees to introduce themselves. The RAB tabled the August 2008 meeting minutes until the February meeting, to give members more time to review them. Mr. Lopp then began the main presentation, which included updates of cleanup activities at several remediation sites.

First, Mr. Lopp and Mr. Harbin addressed groundwater sampling at site ST012, the Former Liquid Fuels Storage Area. Mr. Lopp said the Air Force conducts annual groundwater monitoring at the site, as required by the Operable Unit 2 (OU-2) Record of Decision (ROD). During the Thermal-Enhanced Extraction (TEE) system pilot study at the site, the Air Force is also conducting quarterly sampling of groundwater from selected wells. Seven wells were sampled using passive diffusion bags (PDBs) on October 6, 2008. This method of sampling has been detailed at previous RAB meetings. Mr. Harbin said multiple PDB samplers were placed in each well and samples were analyzed for benzene, toluene, ethylbenzene and xylenes (BTEX compounds). None of the samples registered BTEX compounds above Environmental Protection Agency (EPA) action levels.

Mr. Lopp said the Air Force will sample 17 groundwater wells at the site in January 2009. These samples will be analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, total petroleum hydrocarbons (TPH) and pesticides.

Next, Mr. Harbin discussed groundwater sampling at site ST035, the former Building 760. This site is a former underground storage tank site which was part of the old base service station,

and is now owned by Arizona State University (ASU)-Polytechnic. Mr. Lopp said the Air Force conducts quarterly groundwater monitoring at eight monitoring wells on the site. All eight of the wells were replaced in 2007 and 2008 because of construction of a new building complex by ASU Polytechnic. Mr. Harbin said the Air Force conducted quarterly sampling on October 7, 2008. These samples were analyzed for BTEX, methyl tert-butyl ether (MTBE), ethylene dibromide (EDB) and lead. MTBE and EDB were previously used as gasoline additives.

Mr. Harbin then discussed the results of the October groundwater sampling at site ST035. He said four wells exceeded the EPA's maximum contaminant level (MCL) for benzene. Four wells exceeded ADEQ's Tier 1 Cleanup Standard for MTBE. Two wells exceeded the MCL for EDB. One well exceeded the MCL for toluene. One well exceeded the MCL for ethylbenzene. No wells exceeded MCLs for xylenes and lead. (Specific sample data can be found on Slide 13 of the attached presentation.) Mr. Lopp said the Air Force is working with ASU Polytechnic to install four additional wells at the site in order to better delineate the hydrocarbon plume. In the meantime, the existing eight wells will be sampled again in January 2009.

Next, Mr. Lopp presented information on a soil vapor extraction (SVE) system at site ST035. The Air Force designed and constructed five SVE wells at the site and ASU Polytechnic provided piping for the system, which was installed during construction of the new building complex near the site. URS Corporation conducted a pilot test of the SVE wells to measure the radius of influence of the vapor extraction system and to gather data to help design a vapor treatment portion of the system. This pilot study confirmed that the system had an effective radius of influence. Mr. Harbin said URS Corporation plans to submit a report to the Air Force by the end of 2008, providing recommendations on the treatment system. Mr. Lopp said the SVE treatment system is funded and the contract for its final design and construction should be awarded in March 2009.

Mr. Lopp then provided an update on the Remedial Investigation/Feasibility Study (RI/FS) at site LF004, the former landfill. He said the Air Force conducted an independent peer review of the RI/FS, with a Peer Review Team consisting of independent Air Force and contract technical experts not directly associated with the work at Williams AFB.

Mr. Lopp said the objectives of the peer review were threefold: First, to identify any necessary additional investigative field work; second, to recommend appropriate Feasibility Study technology alternatives; and third, to recommend improvements to the groundwater monitoring network. The peer review report is due in late November 2008. Mr. Lopp said the Air Force will consider the recommendations and plans to issue a supplemental RI/FS in the fall of 2009. Mr. Atkinson said the peer review team was satisfied, overall, with the plan and the work that has been completed thus far.

Mr. Lopp next updated RAB members on soil removal at the Temporary Treatment Facility (TTF). The TTF was located near the landfill and was used to treat dieldrin-contaminated soil that was removed from site SS017. The Air Force removed all treated soil from the TTF in November 2007, and then tested the soil underneath to ensure no dieldrin-contaminated soil remained. Samples showed four areas in the TTF where soils exceeded residential soil remediation levels for dieldrin. Mr. Lopp said the Air Force plans to remove those soils in 2009.

Mr. Lopp said the Air Force is currently developing a Draft Final ROD for Operable Unit 6 (OU-6), which should be delivered to regulators in early 2009. Additionally, he said the Air Force has contracted URS Corporation to prepare a technical information report documenting the soil removal from site SS017, its transport and treatment at the TTF and ultimate disposal off-site as

non-hazardous soil. Mr. Lopp said the OU-6 ROD will reference this document and identify institutional controls and long-term monitoring as a proposed remedy for the site.

Mr. Harbin then presented an update on the monitoring well replacement effort at Williams AFB. The Air Force contracted URS Corporation to abandon and replace selected monitoring wells across the former base. He said all eight original monitoring wells at site ST035 were abandoned and replaced with new wells. At site LF004, one damaged well was abandoned and four new monitoring wells were installed. At site ST012, one damaged well was abandoned and six new monitoring wells were installed. The new wells should provide the cleanup team with a better capability to monitor the sites.

The last environmental update of the evening covered the Preliminary Assessment/Site Inspection (PA/SI) at the Parcel N Debris Area, which is located in the south-central portion of the former base, east of site LF004. Mr. Lopp said the Air Force will transmit the Draft Final PA/SI Work Plan to ADEQ and EPA in December 2008. He said the Air Force received funding to complete the PA/SI and plans to start field work in January 2009.

Mr. Lopp said there are two objectives of the PA/SI: First, identify any environmental releases requiring Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) response action; and second, to identify and clear any possible energized munitions. The PA/SI includes a site inspection, geophysical survey and excavation of any detected anomalies, soil screening and sampling of suspect areas and a PA/SI report. Mr. Lopp added that the Air Force Safety Center reviewed the PA/SI work plan and that the Air Force will be using magnetometers to investigate the site.

Mr. Lopp then provided an overview of property transfer at the former base. The map on Slide 34 of the attached briefing provides a status update on various parcels across the site.

Ms. Cargile then provided RAB members with a copy of the draft Community Involvement Plan (CIP). The Air Force delivered the CIP to regulators the week prior. She asked members to provide any comments on the draft CIP by January 12, 2009. Since there were no action items from previous meetings, she asked attendees for suggested agenda items for the next RAB meeting. There were no suggested agenda items.

Mr. Lopp adjourned the meeting at 9:00 p.m. The next Williams RAB meeting date is scheduled for Tuesday, February 24, 2009 at 7:00 p.m., at Highland High School.

Attachments:

1. November 18, 2008, RAB meeting agenda
2. November 18, 2008, RAB meeting Air Force slide presentation