

# M I L E S T O N E S

All photos by DPRA, Inc./Josh Barchers

From excavating contaminated soil, to constructing a state-of-the-art on-site landfill and demolishing structures no longer needed at the site, 2004 marked another year of cleanup milestones at the Arsenal. After tallying the 2004 achievements, more than half of the 31 cleanup projects are now complete. If you have any questions about the cleanup program please call the Community Information Line at 303-289-0136 or visit the Arsenal's web site at [www.rma.army.mil](http://www.rma.army.mil).

## 2004 IN REVIEW

### Enhanced (Triple-Lined) Hazardous Waste Landfill

Construction of the only landfill in the country with a triple-liner system began in the fall of 2003. By the end of 2004, the excavation of the landfill cell and construction of approximately 50 percent of the liner system was completed. Because of the limited duration of the construction season, the remainder of the liner system is anticipated to be completed during 2005. The liner system is comprised of clay, synthetic liners, soil, and leak detection systems to ensure the landfill is isolating waste from the groundwater. The landfill is scheduled to begin receiving waste from the Basin F Wastepile project in the spring of 2006.

### Hex Pit Soil Remediation Project

The innovative technology initially selected as the cleanup approach proved unsuccessful when implemented. After a redesign process with Arsenal and regulatory agency staff, the contaminated material and soil was excavated and placed into the Hazardous Waste Landfill (HWL) in January 2004.

### Miscellaneous RMA Structures Demolition and Removal Project Part II

The Phase II demolition of structures no longer needed to support the cleanup involved leveling 19 buildings by October 2004. Debris from 12 buildings was hauled to the HWL and material from the remaining nine was transported to the Basin A Consolidation Area (Basin A). Some of the more prominent buildings included the old storage warehouses and the million-gallon reservoir. Phase I wrapped up in 2002 and Phase III is scheduled to begin in 2009.

### Munitions Testing

The eighth and final site within this project involves locating and removing old munitions and munitions debris from a mortar impact range. Recovered items are either taken to the HWL or destroyed and disposed of following established procedures and protocols. This project is more than 65 percent complete and is anticipated to be finished in 2005.

### Section 36 Balance of Areas

This project consists of excavating high and low-level contaminated soil, removing old chemical sewers, and demolishing three buildings. The material is disposed of at either the HWL or Basin A. The project also involves locating and removing old munitions and munitions debris. Recovered items are either taken to the HWL or destroyed and disposed of following established procedures and protocols. All of the chemical sewers and buildings were demolished in 2004. The remaining soil excavation and munitions recovery is anticipated to be completed in 2005.

### Section 30 Existing Sanitary Landfill Project

The fourth and final phase of the Existing Sanitary Landfill cleanup project was completed in June 2004. Work involved removing and transporting trash and debris from the Section 30 Landfill. Most material was taken to Basin A, although some soil with higher contamination levels was taken to the HWL.

### South Plants Soils Phase II, Part II (Soil Placement)

Following building demolition and soil excavation in the old South Plants area, clean soil from specified areas on the Arsenal was hauled and placed over the site preparing it for the construction of a soil cover system. Proper soil placement helps ensure the cover will work correctly when constructed. The project, which wrapped up in November 2004, did not involve the removal of any contaminated materials. The cover construction is expected to begin in 2006.



Section 30 Existing Sanitary Landfill Project



Enhanced Triple-Lined Hazardous Waste Landfill



South Plants Soil Phase II

### COMMUNITY INVOLVEMENT

Arsenal representatives remained actively involved with neighboring communities. Staff provided information to Arsenal neighbors and interested parties about cleanup programs, the establishment of the Rocky Mountain Arsenal National Wildlife Refuge, and opportunities at the Refuge, such as tours and environmental education programs. Outreach activities included attending the Commerce City evening picnics, sharing information during a Taste of Brighton, being a part of the Montebello Family Unity Barbeque as well as attending other events and speaking engagements. If you are interested in having an Arsenal representative be a part of your community event or meeting, please call the Community Information Line at 303-289-0136.



The million gallon reservoir building was removed as part of the Miscellaneous Structures Demolition and Removal Project Part II.