



## Moving Forward in 2004

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The beginning of a new year is an ideal time to review accomplishments of the past and establish goals for the future. Our program made tremendous progress in 2003 on the path to destroy chemical weapons stored at Pueblo Chemical Depot, Colorado and Blue Grass Army Depot, Kentucky. Our successes are a result of cooperation, involvement, and working hand-in-hand with the local communities. Highlights from the past year include:

- Awarding the systems contracts to design, construct, systemize, pilot test, operate, and close the pilot plants at each depot. As a result, Bechtel Pueblo and Bechtel Parsons Blue Grass have established their teams and have become a part of each community, moving their families, enrolling their

children in the local schools and becoming good neighbors.

- Hiring our first site manager to manage destruction efforts in Colorado. Gary Anderson, who previously was deputy site project manager at Umatilla Chemical Agent Disposal Facility, has taken the lead role for chemical weapons destruction at the Pueblo Chemical Depot. A site project manager soon will be selected for Blue Grass.
- Submitting a permit for the Pueblo project and continuing to work with the state to finalize the permit on a fast track. Once approved, construction of the pilot plant can begin.



- Beginning work on the initial designs for both the Pueblo and Blue Grass pilot plants. Both designs will be finalized in 2004.

Public participation continues to drive all of our efforts. We have helped to establish working groups in Colorado— subcommittees

Pueblo Chemical Depot  
**Community Outreach Office**  
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Pueblo, CO 81003



# Pueblo *exchange*

A Partnership for Safe Chemical Weapons Destruction

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#### **Pueblo Chemical Depot Community Outreach Office**

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**Pueblo Chemical Agent-  
Destruction Pilot Plant**

[www.pmacwa.army.mil](http://www.pmacwa.army.mil)



## Moving Forward

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- Permit Application Submitted
- Site Surveys Conducted

Workers from Clyde B. Young & Company of Pueblo take soil samples to determine geologic conditions at the site of the Pueblo Chemical Agent-Destruction Pilot Plant.

# Initial Plant Design Completed, Reviewed with Regulators

The Pueblo chemical demilitarization project reached a major milestone in January when the Bechtel Pueblo Team completed the initial design package and held a design review with Federal and State of Colorado officials.

“Finishing the initial design means we have completed about 30 percent of the total design effort. We now have sufficient details to perform a preliminary life-cycle cost estimate and move to the next phase, intermediate design,” says Ken Cooke, Bechtel’s design-build manager. He explains that at this point:

- All design criteria are determined
- Design concepts are established for all the processes in the plant
- Building footprints are established
- A site plan is developed

- All utility requirements are calculated
- The general arrangement of equipment in process buildings is done
- A preliminary construction, operation and closure strategy is established.

The initial design package contains 11 volumes consisting of 1,400 drawings, 60 specifications, 58 system design descriptions, 153 calculations and a number of special reports.

In mid-January the Bechtel Pueblo Team held a review of the design with representatives from the Assembled Chemical Weapons Alternatives, the Corps of Engineers, the Colorado Department of Public Health and Environment, and the U. S. Environmental Protection Agency. In this process the government representatives reviewed the documents to ensure the design meets requirements of the contractual statement of work; applicable codes, standards and regulations; and regulatory requirements.

After completing the design review the government submitted comments in February. Bechtel is now incorporating the comments and proceeding with the next step, known as Intermediate Design, which represents 60 percent completion of the design and is due in May.



Bechtel architect Gary Seshagiri describes the plant layout at design review held in San Francisco.



Linda Bowling, left, U. S. Environmental Protection Agency, reviews layout of energetics removal equipment with Parthasarathy, Bechtel Facilities Design Manager.

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to the Colorado Citizens’ Advisory Commission. In collaboration with the Kentucky Citizens’ Advisory Commission, we worked with community members and local leaders in Kentucky to create the Chemical Destruction Community Advisory Board.

With all of our successes, we will continue to face challenges as well. Your participation is critical during these times. It’s important to ask questions to get the most accurate, updated and timely information. One challenge we are working to overcome is a potential funding shortfall. This may require that we amend design plans and investigate alternative designs to build the chemical destruction pilot plants. For more information on these investigations, view the information papers on the Pueblo Design Alternatives Analysis on our Web Site at [www.pmacwa.army.mil](http://www.pmacwa.army.mil).

As we forge ahead into 2004, we look forward to working with you as we move toward our common vision: safely destroying the chemical weapons stockpiles. We will continue to provide a transparent public participation process. There are many phases of the projects still to come, and we remain committed to ensuring you have a voice in this important national project.



## Employment

Bechtel Pueblo Team all locations . **393**  
 Pueblo-based staff . . . . . **28**  
 Local hires . . . . . **11**

## Subcontracting



**\$3.1M** Total value of subcontracts, 108 awards  
**\$1.1M** Pueblo firms—22 awards  
**\$930,000** Colorado firms outside Pueblo—41 awards

## Subcontractors Complete Site Surveys

Important information needed to design and build the Pueblo Chemical Agent-Destruction Pilot Plant is being gathered by three subcontractors working at the future plant site under the direction of the Bechtel Pueblo Team.

Abel Engineering, Inc., of Pueblo conducted an aerial survey of the construction site in November. Data from the survey will be used to produce a contour map of the construction site and surrounding area to complete the final grading plan. Value of the subcontract is \$23,470.

Blackhawk Geo Services Inc., of Golden, Colo., conducted a site safety survey under a subcontract valued at \$184,494. Using electronic detection devices, the firm did a site investigation to identify any dangerous metallic debris. The only items found were small metal objects such as nails and barbed wire, and the site was deemed safe for further construction.

Clyde B. Young & Co. of Pueblo was awarded a \$617,603 subcontract for geotechnical and environmental investigation. The geotechnical part of the work involves drilling nearly 50 boreholes to identify soil composition and characteristics for use by engineers designing foundations and drainage systems. Laboratory work to analyze soil samples is being done for Clyde B. Young by Kleinfelder, also of Pueblo. The environmental work involves taking soil samples and installing five monitoring wells for water sampling. Data from this survey will be used to support the environmental permitting process.

## Permit Application Submitted; Info Repository Opens

The Army and the Bechtel Pueblo Team took the first official step toward construction on Dec. 11 when they submitted an application for the first stage of permits needed to build the Pueblo Chemical Agent-Destruction Pilot Plant.

The application, submitted to the Colorado Department of Public Health and Environment, is for a permit to do site grading and install roads and other infrastructure. This is the first of a three-stage permitting process; the other two stages will cover plant construction and operations. The CDPHE is the regulatory authority for these permits under a Federal law called the Resource Conservation and Recovery Act.

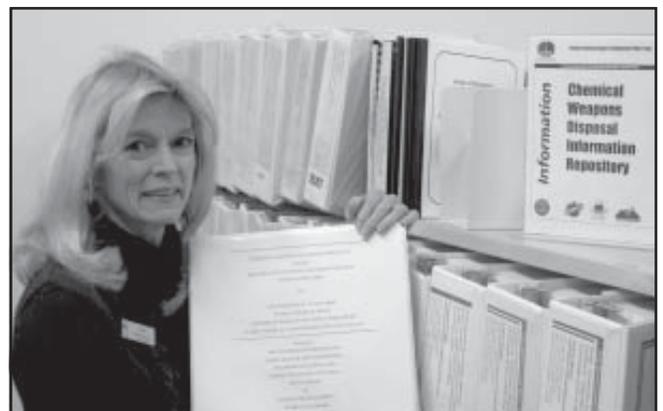
To provide the public with information about the permit, an information repository opened at the new Robert Hoag Rawlings Public Library in Pueblo on Dec. 23. The library is located at 100 East Abriendo Ave. Hours are Monday through Thursday 9 a.m. to 9 p.m.; Friday and Saturday 9 a.m. to 6 p.m.; and

Sunday from 1 to 5 p.m. To reach the library call 562-5600.

The Rawlings Library was selected for several reasons. It already serves as an official repository for other projects at the depot and in the area; it is centrally located; library employees are trained in organizing and managing such repositories; it offers a conducive setting including tables, chairs, copy machines, and computers; and evening and weekend hours allow a wide range of access.

For citizens living near the Pueblo Chemical Depot, an additional information center has been opened in the offices of the Avondale Water District at 321 Third St. in Avondale. Office hours are Monday through Friday from 7 a.m. to 5 p.m., and the phone number is 947-3186.

Citizens who have questions about documents found in the repository can contact the project's Outreach Office, located at 301 Main St., Suite 306B, phone 546-0400.



Librarian Jane Wiley displays a copy of the permit application, available in the information repository at the new Rawlings Library in Pueblo.