



U.S. ARMY CHEMICAL MATERIALS AGENCY

MONTHLY UPDATE

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DESERET CHEMICAL DEPOT | March 22, 2012

The stockpile is gone, but the work is not over

Closure operations get underway

With the safe destruction of Deseret Chemical Depot's (DCD's) stockpile of chemical weapons, closure operations have now moved to the top of the priority list. Although early closure-related activities have been underway for quite some time, these activities were limited until agent operations were complete.

Decontamination and decommissioning (D&D) closure work has begun in the most contaminated areas of the Tooele Chemical Agent Disposal Facility (TOCDF) and from there will move into the cleaner areas. Equipment will be disassembled and removed, and then the areas will be decontaminated from floor to ceiling.

"All the munitions processing equipment has been removed," said TOCDF Site Project Manager Ted Ryba.

"The last to go were the two bulk drain stations, which were used to destroy a variety of large munitions, mostly ton containers"

Most of the decommissioned equipment will be decontaminated and left in place for demolition. Equipment with potential agent contamination will be treated in the TOCDF Metal Parts Furnace (MPF), the only remaining operational furnace. In addition to processing the D&D closure waste, the MPF will also be used to process some of the remaining DCD legacy waste.

Once the main processing building has been thoroughly cleaned, workers will begin to conduct Unventilated Monitoring Tests, similar to those conducted at the Chemical Agent Munitions Disposal System (CAMDS) facility, to verify that the building is ready for demolition.

"The system contractor has captured valuable lessons learned from their closure work at CAMDS," Ryba noted. "The experience they have gained will be an asset as we move forward in our closure operations."

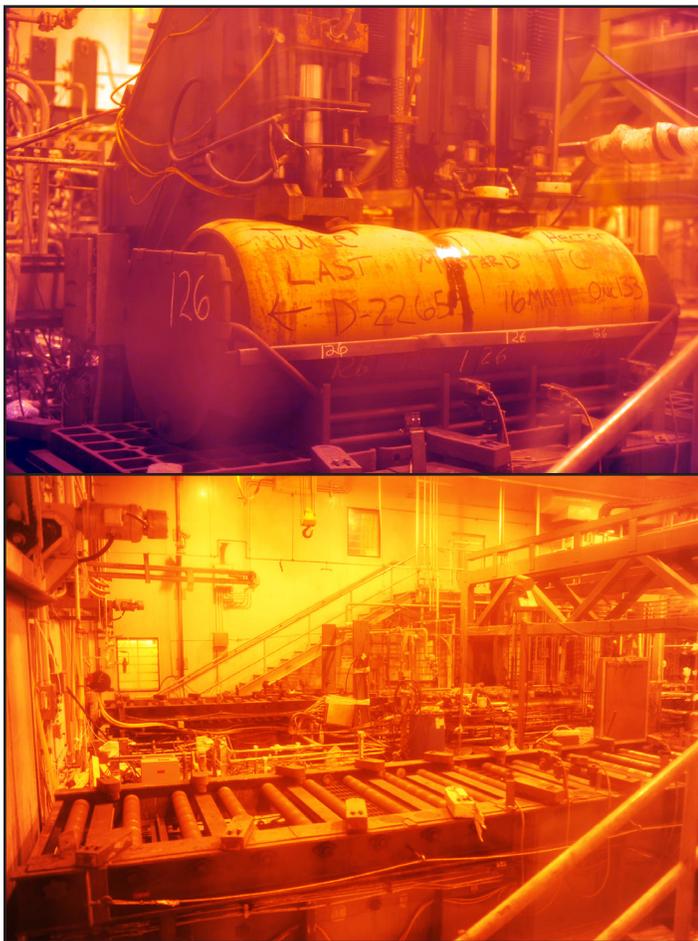
Meanwhile, closure-related activities will soon begin in DCD's storage area at the Area 10 Liquid Incinerator (ATLIC), which was used to process DCD's small stockpile of GA nerve and lewisite (L) blister agents. Workers will follow a plan similar to the TOCDF as they decommission, disassemble and decontaminate ATLIC equipment. Following decontamination of the equipment, the liquid incinerator will be shut down and removal of the incinerator's pollution abatement system will begin.

Although ATLIC closure work will soon begin, officials are proposing to use an area

of the facility for limited support of secondary waste operations. The ATLIC is equipped with a controlled and monitored air lock, providing an area to safely and effectively manage secondary waste—specifically a small amount of DCD legacy waste contaminated with GA and L agents. Because the ATLIC is not permitted for secondary waste management operations, a permit modification request has been submitted to the Utah State Department of Solid and Hazardous Waste.

Ultimately, all the ATLIC support buildings, process equipment and filter system will be fully removed before being returned to the depot.

Closure operations, including demolition of the TOCDF, are expected to be completed by mid-2014.



Before and after photos of the facility's Munition Processing Bay, where the two Bulk Erain Stations (BDS) were once located. The before photo shows the last mustard ton container as a BDS removed agent from the container. The after photo is taken from the same window after the stations had both been disassembled and removed (URS photos).

PUBLIC AFFAIRS:

Alaine Grieser

Phone: (435) 833-4295

alaine.grieser@us.army.mil

OUTREACH OFFICE:

Amy Blausier

Phone: (435) 882-3773

ablausier@qwestoffice.net

SYSTEMS CONTRACTOR:

Mark Mesesan

Phone: (435) 882-5888

mmesesan@urs.com

Tooele Chemical Stockpile Outreach Office

54 S. Main St.

Tooele, UT 84074

Phone: (435) 882-3773

Toll Free: (800) 471-1617

Outreach Office Hours:

8:30 a.m. - 5:00 p.m.

Monday - Friday

(Additional hours available upon request)



Employees prepare for gradual workforce reduction

The completion of disposal operations is a bitter sweet milestone for the workers at Deseret Chemical Depot (DCD)—a tremendous accomplishment preceding a gradual reduction in workforce. As the mission transitions into the closure phase, fewer and fewer workers will be required as closure activities move forward.

The first Reduction-In-Force (RIF) occurred earlier this year and affected 66 of the nearly 1,200 contractor employees. The next round of contractor layoffs will affect approximately 28 employees, most who will be let go in April, and another 50 layoffs are scheduled for October.

The first government RIF will occur in July 2012, in which officials anticipate minimal impact on the current workforce of nearly 239 employees. Through a Voluntary Early Retirement Program, DCD has been able to reduce the number of involuntary separations. Furthermore, some employees have been approved to receive a voluntary

incentive pay if their separation saves another employee from being laid off. In addition, DCD has been successful in working with other federal agencies to find placement opportunities for their employees. To date, nearly 60 have obtained continued employment through this process. The depot continues to make efforts to reduce the number of employees affected by the upcoming RIF.

"The realization of layoffs has become more apparent with the end of disposal operations and the demolition of the Chemical Agent Munitions Disposal System," stated DCD Work Force Transition Officer Terri Cook.

Many employees are actively looking for and accepting employment at outside companies, such as Rio Tinto, Chevron and L-3 Communications. Transition officers are also working with local Army installations and other stockpile sites to capitalize on the experience of the DCD and (See WORKFORCE REDUCTION on page 3)

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Thank You!

Team Deseret would like to thank you, the community, for your support in destroying Tooele's stockpile of chemical weapons. Your support has helped make Utah a safer place!

GARY McCLOSKEY
URS Vice President and TOCDF General Manager

TED RYBA
U.S. Army Site Project Manager
Tooele Chemical Agent Disposal Facility

COL. MARK POMEROY
DCD Commander

We invite you to come celebrate this great accomplishment at a commemorative ceremony at Deseret Chemical Depot on April 26.

If you would like to attend, please contact
Tooele Chemical Stockpile Outreach Office • 435-882-3773



CREATING A SAFER TOMORROW, TODAY.
Together we made a difference.

Going, going, *almost* gone

CAMDS demolition moving quickly

Only a few structures slated for demolition remain standing inside the fence at the Chemical Agent Munitions Disposal System (CAMDS). Demolition started at CAMDS on Feb. 14, when heavy equipment tore through the Equipment Testing Facility. Since then, most of the above-ground structures have been demolished, including the Liquid Incinerator, the Operators Holding Area, the Metal Parts Furnace and its Pollution Abatement System. Only the carpenter shop and a few ancillary structures remain, along with some power and lightning protection poles. Once those structures and poles are knocked down and removed off site, demolition crews will soon start removing concrete foundations.

"We're preparing for deep excavations next," said Randy Fowles, URS CAMDS Demolition Project Manager. "Along with Cleveland Wrecking, the subcontractor performing the demolition work, we will also have a shoring contractor on-site to keep the soil in place as the deep excavations take place."

As of March 20, 236 truckloads of more than 6.8 million pounds of demolition waste had been shipped off-site for disposal. It is anticipated demolition of CAMDS will be completed and all of the demolition waste will be transported off site by the end of April.

Meanwhile, initial soil sampling at CAMDS is complete; the results will help determine if additional cleanup will be necessary once demolition is finished. While some areas are being retested, early results indicate there are only a few areas of minor concern such as contamination from PCBs (chlorinated hydrocarbons) where a transformer was once located.

Workforce reduction

(continued from page 2)

TOCDF employees.

"We have had 18 employees transfer to Pueblo and there are 57 conditional offers pending," said TOCDF Transition Specialist Mary Chappell. "Seven employees have transferred to Blue Grass with another 22 conditional offers expected."

Thirteen employees from DCD have also taken job opportunities at the Pueblo Chemical Depot with two more scheduled to transfer in the coming months.

Government and contractor transition specialists have been working diligently to help the employees prepare for future employment. Educational opportunities have been provided, in addition to resume writing and interviewing and networking classes.



On March 12, crews took down the DFS, the tallest building still standing, once again altering the ever-changing skyline as demolition of the Chemical Agent Munitions Disposal System progresses.

DCD igloo cleanup continues

More than 50 percent complete

Out of 208 storage igloos, Deseret Chemical Depot (DCD) workers have finished cleaning more than 125 of them, which are now ready to be handed over to Tooele Army Depot when it assumes control of DCD's property in July 2013.

In preparing for closure, DCD is cleaning and monitoring each and every single igloo to ensure there is no chemical agent remnants. Using near-real time monitoring equipment, an optically enhanced flame photometric detector, workers are able to test the igloos following strict GPL (General Population Limit) monitoring guidelines. GPL is a time-weighted average exposure limit established by the Centers for Disease Control and Prevention.

First, workers closely examine the igloos for spots that could possibly be agent contaminated and then isolate and monitor the specific area. "So far, we have not had any of these areas come back with any agent readings," said Kevin Draper, DCD compliance inspector. "If we did, we would decontaminate the spot and monitor the area again until we get a clean reading."

Following the thorough inspection, the igloos are swept out and pressure washed in preparation for the final monitoring. The structures are then sealed, heated to 70 degrees Fahrenheit for a period of 24 hours and then monitored for nerve and blister agents.

DCD also has 32 warehouses on the depot that require the same stringent cleaning activities; so far they have completed cleaning and monitoring 15 of them. "We expect to be about 95 percent complete with both the igloos and warehouses by November, but because a few of the igloos will continue to be used by the Tooele Chemical Agent Disposal Facility into the new year, we may not finish the cleaning activities until May 2013," said Draper.

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