



U.S. ARMY CHEMICAL MATERIALS AGENCY

MONTHLY UPDATE

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DESERET CHEMICAL DEPOT | April 14, 2011

ATLIC facility readying for operations

With only a few finishing touches remaining, construction of the Area 10 Liquid Incinerator (ATLIC) is essentially complete and systemization activities are ongoing to prepare the facility for operations.

Before operations can begin, workers must complete function tests of the various components of the system and verify that they can be operated from the control center. This includes turning motors on and off, filling and emptying the holding tanks, pressure valve checks and ensuring that air is adequately flowing through the cascading air filter system. Once the individual components have been tested, they will be integrated together and fine tuned as workers prepare for the operational readiness review, which is scheduled to begin in June.

The equipment isn't the only part of the system that needs to be primed; workers are also undergoing training to become familiar with the system. They will practice operating the equipment and responding to various situations, including emergency response exercises.

In addition to the work being done on site, the permitting process is in the home stretch. The second 45-day public comment period opened on April 7 and the final public hearing for the permit request will be held on May 9 at 6:00 p.m. at the Tooele County Administrative Building.

The ATLIC is located in the Deseret Chemical Depot storage area and will be used to destroy the depot's stockpile of GA nerve and lewisite blister agents. Agent operations are expected to begin in October.



Located in DCD's storage area, the Area 10 Liquid Incinerator is expected to begin operations in October. Operations are to take approximately six months to complete—in time to meet the April 2012 Chemical Weapons Convention treaty deadline.

CMA reaches destruction milestone

The U.S. Army Chemical Materials Agency (CMA) has less than 5 percent of its stockpile remaining before completing its mission of destroying 90 percent of the entire U.S. chemical agent stockpile. CMA reached the 85 percent destruction mark on March 23, destroying 26,019 tons of agent and more than 2.3 million munitions since Entry-Into-Force under the Chemical Weapons Convention treaty in April 1997.

Tooele's contributions to reaching the 85 percent completion achievement are significant considering Deseret Chemical Depot (DCD) stored the nation's single-largest and most diverse stockpile.

"DCD originally stored 44 percent of the nation's stockpile of chemical agent," said Ted Ryba, Site Project Manager of the

(See MILESTONE next page)

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Monday - Friday

(Additional hours available upon request)



Workers use a heavy crane to insert the inner chamber of Detonation of Ammunition in a Vacuum Integrated Chamber (DAVINCH) into the outer chamber; both chambers weigh more than 66,000 pounds. The DAVINCH will be used to destroy more than 300 problematic mustard agent-filled munitions. URS photo

Upcoming Events

- **May 9, 6:00 p.m.** - TOCDF Resource Conservation and Recovery Act (RCRA) Class 3 Permit Modification public hearing regarding the installation and operation of the Area 10 Liquid Incinerator. The hearing will be held at the Tooele County Administrative Building, 47 S. Main Street in Tooele.
- **May 10, 6:00 p.m.** - DCD RCRA Class 3 Permit Modification public hearing regarding changes to the corrective action program for DCD's Solid Waste Management Units.
- **May 16, 6:00 p.m.** - Non-Stockpile pre-application meeting regarding the proposal to temporarily deploy a transportable treatment technology at DCD and Dugway Proving Ground.
- **May 19, 6:30 p.m.** - Utah Citizens' Advisory Commission meeting. The meeting will be held at the Tooele County Emergency Management Building, 15 East 100 South, Tooele.



In preparation for the Unventilated Monitoring Test inside the Explosive Containment Cubicle (ECC), CAMDS workers Troy Watson and Dustin Kinney insert a blind flange to seal the main air duct. Using duct tape and plastic, workers also sealed off all doors used to access the ECC building.

Ready for demolition

Workers at the Chemical Agent Munitions Disposal System (CAMDS) have successfully completed a third Unventilated Monitoring Test (UMT)—this one in the Explosive Containment Cubicle (ECC) building. Following approval of the test results, it will be added to the list of buildings ready for demolition.

The UMT is conducted to certify an area is agent free and it is the last major step that needs to be completed before a building can be demolished. During the 36-hour UMT, the building is isolated from the main ventilation system and temperatures are

required to be maintained at a minimum of 70 degrees Fahrenheit for proper air monitoring.

The end test results confirmed no chemical agent was detected inside the ECC. Once the final test reports are approved, the building will be opened to natural ventilation as it is prepared for final demolition.

The next UMT will target the Metal Parts Furnace, followed by the Multipurpose Demilitarization Facility/Bulk Drain Item Facility.

Milestone

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Tooele Chemical Agent Disposal Facility (TOCDF). "Since operations began in August 1996, the TOCDF has destroyed more than 13,420 tons of agent and more than 1.1 million munitions. Our contributions to this achievement are unmatched."

Tooele, along with CMA's remaining operating incineration sites in Anniston, Ala. and Umatilla, Ore., are on track to destroy 90 percent of the entire U.S. chemical agent stockpile before the treaty deadline in April 2012. The final 10 percent of the nation's chemical weapons stockpile will be destroyed by the U.S. Army Element Assembled Chemical Weapons Alternatives (ACWA) program, which has disposal sites currently under construction in Blue Grass, Ky. and Pueblo, Colo.

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Tooele Chemical Agent Disposal Facility Processing

(as of April 7)

Total mustard agent-filled bulk containers destroyed	6,234
Total mustard agent-filled 155mm projectiles destroyed	54,453
Total mustard agent-filled 4.2-inch mortars destroyed	63,274
Percentage of total mustard agent stockpile destroyed	97.59%



DCD conducted controlled burns around the property earlier this month in an effort to keep overgrown weeds and willows from clogging Ophir Creek and several drainage ditches. DCD annually conducts controlled burns, but was particularly aggressive this year due to the possibility of a strong spring runoff from this winter's heavy snowpack.