

New carbon filtration system ready

TOCDF preparing for 4.2 mortars

The TOCDF's Pollution Abatement System (PAS) Filtration System (PFS) has successfully completed performance testing and has the official go-ahead from state regulators. The PFS consists of three separate carbon filter units—one for the metal parts furnace (MPF) and one for each liquid incinerator (LIC). Each filter unit is designed to capture mercury from contaminated exhaust gases, allowing the TOCDF to safely destroy those mustard munitions with high levels of mercury.

Since October 14, the PFS has been in "shakedown"—a period that includes a series of planned performance tests, including the Alternative Monitoring Request-Relative Accuracy Test Audit (AMR-RATA). The AMR-RATA tests demonstrate the TOCDF's capability and accuracy in monitoring exhaust gases for mercury. Each furnace and its associated carbon filtration unit—the MPF and both LICs—successfully completed the AMR-RATA.

Another shakedown test is a "mini-burn," which consists of processing mercury contaminated mustard agent-filled ton containers and measuring mercury levels at the inlet and at the outlet of the PFS to ensure levels are well within permitted limits. A mini-burn is the same kind of demonstration test that is done for state regulators, only shorter. Both the MPF/PFS and LIC/PFS mini-burns were successfully completed before Thanksgiving. A report on the mini-burn test results was submitted to state regulators so that processing could continue at full rates once the demo tests were complete.

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Tooele County Emergency Management (TCEM) Director Kari Sagers provides a tour of the new TCEM Building to members of the Utah Citizens' Advisory Commission for Chemical Demilitarization prior to their meeting on Nov. 19. The facility houses the Emergency Management Department, Emergency Operations Center and 911 Dispatch Center, providing a hub for disaster relief efforts and centralized dispatch services.



The Field Office Christmas tree is surrounded by toys and food donated by employees to help out the Marine Toys for Tots Foundation and Tooele County Food Bank.

Spreading the holiday spirit

Depot employees give back to those in need

This time of year is supposed to be filled with holiday joy and fun, family affairs; but we all know that this can be a difficult time for some, as many are struggling to provide for their families in this tough economy. DCD, TOCDF and CAMDS workers have arranged a variety of events and fundraisers to help those who are less fortunate by providing food, clothing and toys to help them experience the happiness the holiday season should bring.

DCD kicked off the holiday season by delivering a truck full of non-perishable food items to the Tooele County Food Bank for Thanksgiving and continues to collect food items for the Christmas delivery. Along with a food drive, DCD is following its annual tradition of collecting toys for the Marine Toys for Tots Foundation.

The TOCDF and CAMDS Field Office (FO) employees have also set up a food drive for Christmas along with a collection box for Toys for Tots. With a goal of at least 650 pounds of food and 65 toys, the FO employees are excited to surpass this goal, not only to help those in need, but so they can see management dress up as Christmas characters.

Operation Christmas and Adopt-a-Platoon are two other holiday giving efforts that the TOCDF workers are participating in. Operation Christmas is a tradition for TOCDF workers and they have raised the bar with a goal to beat last year's contribution—more than \$20,000 worth of clothes, food and toys for the local Community Action Program. TOCDF workers also wanted to show their support to our deployed soldiers through the Adopt-a-Platoon program, collecting (See GIVING BACK on next page)

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Outreach Office Hours:

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

Monday - Friday

(Additional hours available upon request)

Giving back

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various items like drink mixes, snacks and small toiletries, then filling Christmas stockings to be shipped to a platoon of troops that will not be able to be home with their families.

It is important to the entire workforce to help as many people as possible—giving warmth, love and hope to those who need it, which is what Christmas is all about!

(Right) DCD's Non-Commissioned Officer in Charge SFC Michael Farish shows off a truckload of food that DCD employees collected and donated to the Tooele County Food Bank to help families for the Thanksgiving holiday.



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Upcoming Events

- **Jan. 14, 1:30 p.m.** – Utah Division of Solid and Hazardous Waste Control Board monthly meeting. The meeting will be held in Room 101 at the Department of Environmental Quality building, 168 N. 1950 W. in Salt Lake City.
- **Jan. 21, 6:30 p.m.** – Utah Citizens' Advisory Commission meeting. The meeting will be held at the Department of Environmental Quality Building, 168 N. 1950 W., Salt Lake City.

The Tooele Chemical Stockpile Outreach Office will be closed Dec. 25 and Jan. 1 for the 2009 -2010 holiday season. The office will also be closed Jan. 18 for observance of Martin Luther King, Jr. Day.

Filtration system

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State regulators were on site to observe the MPF/PFS and LIC/PFS demonstration tests. Both tests have been successfully completed and the results will be formally submitted to state regulators. At the last minute, the LIC/PFS demonstration test had to be switched from LIC-1 to LIC-2 after the discovery of a crack in the LIC1/PFS expansion joint. Since LIC-1 and LIC-2 are identical in design, tests on one LIC are representative of either LIC.

Meanwhile, TOCDF workers are getting ready for the 4.2 inch mustard mortar campaign, which is expected to re-start in late January. The mortar campaign kicked off back in April, but was quickly halted when higher-than-expected levels of mercury were detected in the MPF exhaust gases (the PFS was not up and running at the time). TOCDF officials suspect the silver solder used to assemble the weapons is the culprit behind the high mercury levels.

Before the 4.2 inch mortar campaign can start, an Operational Readiness Review (ORR) must be completed. An ORR includes a thorough document/operational review, including a demonstration using 4.2 inch practice munitions that do not contain chemical agent. That demonstration is scheduled for mid-December.



Salt Lake Tribune Reporter Mathew LaPlante and DCD Environmental Manager Troy Johnson discuss details of one of DCD's Solid Waste Management Units (SWMUs), areas that have been used for the treatment, storage or disposal of solid waste. Johnson's environmental staff is putting a major focus on DCD's SWMU sites 1 and 25, which were used for demil operations between 1945 and 1980. DCD is currently assessing the areas and planning for remediation efforts, which are scheduled to begin in 2012.

Tooele Chemical Agent Disposal Facility Processing (as of Dec. 13, 2009)	
Total number of mustard agent-filled bulk containers destroyed	4,555
Total number of mustard agent-filled 155mm projectiles destroyed	54,453
Total number of mustard agent-filled 4.2-inch mortars destroyed	336
Percentage of total mustard agent stockpile destroyed	70.60%