

Disposal plant completes mustard agent trial burns

The Agent Trial Burns (ATBs) for all three Umatilla Chemical Agent Disposal Facility (UMCDF) furnaces was completed Sunday, June 27. Over a 58-day period, the UMCDF performed 18 Metal Parts Furnace (MPF) runs over 3 conditions, eight Liquid Incinerator (LIC) runs, processed 178 mustard agent ton containers, collected and analyzed 56 ton container samples, filled an spiked 774 bottles of agent, collected and analyzed 16 agent tank samples, conducted 420 Demilitarization Protective Ensemble (DPE) entries, and processed 231,216 lbs. of agent and 475,208 lbs. of spent decontamination solution.

The MPF is currently down for a scheduled maintenance outage, expected to be complete on July 9. Once finished, the plant will resume processing ton containers at 50 percent of the trial burn rate while regulators analyze data from the ATBs. Feed rates will be increased accordingly thereafter.

UMCDF up to the 'Challenge'

For the past couple weeks, UMCDF employees have been participating in the second annual Employee-Led Team Challenge.

The Challenge emphasizes safety, environmental compliance and efficient and safe toxic entries through hands-on activities. Participants gain a better understanding of the challenges DPE entrants face, test their environmental compliance knowledge and evaluate safe work practices by observing a short video of plant operations and completing a BBSO (Behavior Based Safety Observation).

The event continues two more weeks.



Operations Waste Management Process Supervisors Josh Dilley (right) and Adam Aguilar work on putting a valve back together during the Employee-Led Team Challenge Wednesday.

UMCDF Highlights

- It has been 1,454 days, or more than 6.6 million work hours, since a lost-time accident occurred at the UMCDF (July 7, 2006).

Umatilla Chemical Agent Disposal Facility Processing (June 17 - 30, 2010)

Total number of originally stockpiled HD-filled ton containers destroyed this period	23
Total number of originally stockpiled HD-filled ton containers destroyed to date	374
Percentage of originally stockpiled HD-filled ton containers destroyed to date	14.2
Total "recipient" HD ton containers* destroyed this period	16
Total "recipient" HD ton containers* destroyed to date	201
Pounds of HD agent destroyed this period	44,335
Pounds of HD agent destroyed to date	649,874
Pounds of total agent destroyed to date <i>Includes GB, VX and HD</i>	3,903,678
Total munitions destroyed to date since start of operations (Sept. 7, 2004) <i>including non-stockpile GB and VX ton containers</i>	218,359
Nominal tons of chemical agent destroyed to date	1,702.80
Percentage of total agent tons destroyed	45.81

**Recipient ton containers are byproducts of mustard disposal and were not a part of the original stockpile.*

UMCD/UMCDF Milestones

- June 11, 2009:** Began first HD ton container destruction in the Metal Parts Furnace (MPF).
- June 4, 2009:** First HD ton containers transported from depot storage to disposal plant.
- Nov. 5, 2008:** Completed VX munitions campaign.
- Oct. 26, 2007:** Began VX munitions campaign.
- July 8, 2007:** Completed GB munitions campaign.
- Sept. 7, 2004:** Began GB munitions campaign.

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