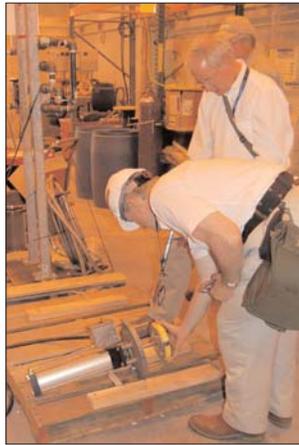


Cooperation boosts rinsate proposal

The Umatilla Chemical Agent Disposal Facility's (UMCDF's) proposed Rinsate Collection System (RCS) – which is designed to collect rinsate created during heel transfer operations and feed it directly to the Liquid Incinerators (LICs) – is another example of cooperation among the chemical demilitarization sites



Bill Hampton (standing), a UMCDf design engineer who helped develop the rinsate system, examines rinsate filter equipment with Government Facility Representative John Donnelly at TOCDF.

operated by URS. Before submitting its rinsate plan to state regulators, UMCDf wanted to test it. The Tooele Chemical Agent Disposal Facility (TOCDF) in Utah was ready to help. TOCDF installed the RCS equipment to work with its heel transfer system and conducted two rounds of tests this summer. The first round of testing included three different sized filters: 25, 230 and 1125 microns, and consisted of pumping mustard rinsate from the original ton container (TC) to a transfer ton container, through the filter and into another transfer ton. The second round of tests used only a 25 micron filter and pumped the rinsate directly from the original ton container through the filter and into a transfer ton container.

As reported in the Deseret Chemical Depot's Monthly Update published Aug. 19, "The tests went extremely well – better than we expected," said Brian Moore, a TOCDF systems engineer, who oversaw the tests. "The tests demonstrated that rinsate can be processed through a 25 micron filter in either of the two modes – even the most demanding mode of pumping rinsate directly from the original ton container through the filter – and both modes could speed up disposal operations."

The rinsate system would speed up processing by pumping rinsate into holding tanks and then through the LICs rather than into transfer TCs that must be processed through the Metal Parts Furnace (MPF).

UMCDF Highlights

- It has been 1,517 days, or more than 7 million work hours, since a lost-time accident occurred at the UMCDf (July 7, 2006).

Umatilla Chemical Agent Disposal Facility Processing (Aug. 26 - Sept. 1, 2010)

Total number of originally stockpiled HD-filled ton containers destroyed this period	42
Total number of originally stockpiled HD-filled ton containers destroyed to date	705
Percentage of originally stockpiled HD-filled ton containers destroyed to date	26.8
Total "recipient" HD ton containers* destroyed this period	1
Total "recipient" HD ton containers* destroyed to date	221
Pounds of HD agent destroyed this period	62,113
Pounds of HD agent destroyed to date	1,218,988
Pounds of total agent destroyed to date <i>Includes GB, VX and HD</i>	4,502,732
Total munitions destroyed to date since start of operations (Sept. 7, 2004) <i>including non-stockpile GB and VX ton containers</i>	218,590
Nominal tons of chemical agent destroyed to date	1,987.35
Percentage of total agent tons destroyed	53.46

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

UMCD/UMCDF Milestones

- **June 27, 2010:** Completed mustard Agent Trial Burn for Metal Parts Furnace (MPF) and Liquid Incinerators (LICs).
- **June 11, 2009:** Began first HD ton container destruction in the 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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