



### Slow and deliberate mustard campaign start-up continues

The Umatilla Chemical Agent Disposal Facility (UMCDF) is continuing a slow and deliberate start-up and characterization of the HD mustard ton containers disposal campaign under oversight of the Oregon Department of Environmental Quality. Safety remains the highest priority, and each step in a new campaign must work safely, correctly and repeatedly before workers proceed to the next steps.

As with all new campaigns, the mustard campaign involves a new type of agent and new size of munition. In addition, this campaign employs new hardware and procedures to safely manage mercury contamination in mustard agent and containers.

On June 30, mercury readings were detected in the Metal Parts Furnace (MPF) Pollution Abatement System (PAS) when a ton container expected to contain mercury was being processed. Backup monitoring equipment designed to validate or refute mercury readings were evaluated on site, and confirmation tubes also were sent off site to an EPA laboratory. Certified EPA lab results confirmed low levels of mercury.

For safety, mustard ton container processing was paused while the Pollution Abatement System was inspected and tested. Unintended leakage in a damper mechanism in the PAS was discovered. That damper was replaced and tested. As an added precaution, carbon filters designed to capture any mercury in the Pollution Abatement System are being replaced. Once that work is done, the entire system will be verified before processing resumes. If system tests are successful, processing should resume within the next several days.

### UMCDF Highlights

- It has been 1,097 days, or more than 5 million work hours, since a lost-time accident occurred at the UMCDF (July 7, 2006).

### Umatilla Chemical Agent Disposal Facility Processing (July 1-8, 2009)

|  |           |
|--|-----------|
| Total number of originally stockpiled HD-filled ton containers destroyed this period   | 0         |
| Total number of originally stockpiled HD-filled ton containers destroyed to date   | 15        |
| Percentage of originally stockpiled HD-filled ton containers destroyed to date   | 0.57      |
| Total "recipient" HD ton containers* destroyed this period   | 0         |
| Total "recipient" HD ton containers* destroyed to date   | 16        |
| Pounds of HD agent destroyed this period   | 6,000     |
| Pounds of HD agent destroyed to date   | 18,284    |
| Pounds of total agent destroyed to date<br><i>Includes GB, VX and HD</i>   | 2,779,404 |
| Total munitions destroyed to date since start of operations (Sept. 7, 2004)<br><i>including non-stockpile GB and VX ton containers</i> | 217,982   |
| Nominal tons of chemical agent destroyed to date   | 1,389.7   |
| Percentage of total agent tons destroyed   | 37.38     |

*\*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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