



# Hanford Tank Vapors

Vapors Weekly Update  
Aug. 24, 2017

***From the desk of Mark Lindholm, WRPS President and Project Manager:***

## **C-105 Waste Retrieval Continues**

Waste retrieval from tank C-105 continues after the initial 13,400 gallons of waste was removed from the single-shell tank two weeks ago. No unusual odors have been reported by workers during retrieval operations, and the Industrial Hygiene monitoring continues to confirm the controls are effective.

Tank C-105 is the last of 16 tanks in C Farm to be retrieved, making the farm the first of Hanford's 12 single-shell tank farms to be eligible for closure. In the first phase of C-105 retrieval, WRPS used the Mobile Arm Retrieval System Vacuum to remove 92,000 gallons of waste between June 2014 and September 2015. We then installed two extended-reach sluicers to retrieve the remaining waste.

The remaining waste in C-105 is being periodically soaked with hot water and a highly caustic solution to partially dissolve and soften the hardened waste. The sluicers spray the waste with liquid through high-pressure nozzles to break it up so it can be pumped from the tank.

Once the C-105 waste is retrieved and the Washington State Department of Ecology declares the tank retrieved, work can begin on closing the first Hanford tank farm.

## **Second 242-A Evaporator Campaign to Begin**

The second evaporator campaign of FY 2017 is expected to begin August 25. The first campaign took place in July and removed about 200,000 gallons of water from the double-shell tanks. Evaporator campaigns are a critical part of our Hanford tank waste cleanup mission. By reducing the volume of waste stored in double-shell tanks, the evaporator creates additional space for continuing waste retrieval from single-shell tanks.

A comprehensive industrial hygiene (IH) control strategy, reviewed and agreed to by WRPS' Chemical Vapor Solutions Team and HAMTC leadership, is in place for the campaign. Area direct-reading instrumentation readings in the general work areas during the July campaign were well below action and occupational exposure limits.

## **Opportunities for Employee Engagement**

- The next full CVST meeting is Wednesday, Sept. 13, from 2 to 4 p.m. at 2704-HV, Room G-206.

**Mark**

Have questions? Send us a message! [wrpsadmin@rl.gov](mailto:wrpsadmin@rl.gov)