

HSS Independent Activity Report - Rev. 0**Report Number:** HIAR-HANFORD-2013-06-17**Site:** Hanford, Office of River Protection**Subject:** Office of Enforcement and Oversight's Office of Safety and Emergency Management Evaluations Activity Report for the Office of River Protection (ORP) Assessment of Contractor Quality Assurance, Operational Awareness at Hanford Tank Farms**Dates of Activity :** June 17-20, 2013**Report Preparer:** Robert E. Farrell**Activity Description/Purpose:**

The Office of Health, Safety and Security (HSS), Office of Safety and Emergency Management Evaluations (Independent Oversight) Site Lead conducted an operational awareness visit to the ORP Hanford Tank Farms, observed a Tank Farms morning meeting, toured the C Tank Farm, and observed a heavy (34,000 pound) lift.

Result:

Independent Oversight, together with the ORP Facility Representative, toured the C Tank Farm to observe workers setting up retrieval equipment used to remove fluid waste from an underground tank. During the tour, work was also proceeding to remove approximately 5 cubic yards of concrete from an equipment pad under construction within the tank farm. The pad, as designed, required substantially more than 5 cubic yards of concrete, and the engineering specification required a single continuous placement of the concrete. The initial attempt at placing the concrete was interrupted by a power outage that required personnel to exit the tank farm area, leaving the concrete placement incomplete. To allow the required single continuous concrete placement, the concrete already placed was manually removed. Workers wore the required personal protective equipment, including anti-contamination clothing for this work.

On exiting the tank farm contamination area, Independent Oversight and the ORP Facility Representative, accompanied by the ORP Tank Farms Operations Division Director, observed the heavy lift of a 34,000-pound skid of mechanical equipment (hot water supply) from the flatbed truck to the prepared gravel foundation pad. Department of Energy personnel remained about 50 yards from the lift area to avoid interfering with the actual lift. The load, when lifted only 12 to 18 inches vertically from the truck, appeared to be skewed and was not level. Contractor personnel conducting the lift immediately set the load back on the truck and reinstalled the rigging. On the second attempt, the load was raised in a level configuration, safely moved off the truck, and installed in the intended location. The contractor took appropriate action in checking the correctness of the rigging with a small vertical lift and then immediately correcting the rigging error. Subsequently, the contractor conducted an investigation into the rigging error that caused the initial lift to be off balance.

HSS Participants	References
1(lead). Robert E. Farrell	– WRPS-PER-2013-1075, <i>C Farm Hot Water Skid Lift</i>

Were there any items for HSS follow up? Yes No**HSS Follow Up Items**

- None