

**HSS Independent Activity Report - Rev. 0****Report Number:** HIAR-RL-2011-06-22**Site:** DOE-Richland  
Operations Office**Subject:** Office of Enforcement and Oversight's Office of Safety and Emergency  
Management Evaluations Activity Report for the Cold Vacuum Drying  
Facility, Multi-Canister Overpack, Operational Proficiency Demonstration**Dates of Activity :** 06/20/2011 – 06/22/2011**Report Preparer:** Jake Wechselberger**Activity Description/Purpose:**

The U.S. Department of Energy's (DOE) Office of Enforcement and Oversight, within the Office of Health, Safety and Security (HSS), performed an operational awareness review of the Cold Vacuum Drying Facility, Multi-Canister Overpack, Operational Proficiency Demonstration.

**Result:**

During the period June 20-22, 2011, an HSS representative participated in an operational assessment of the Cold Vacuum Drying Facility (CVDF), Multi-Canister Overpack (MCO) Operational Proficiency Demonstration. Overall coordination of the operational assessment was managed by the DOE-Richland Operations Office.

The CVDF is a unique facility that was designed to dry the irradiated fuel rods which were previously stored underwater in the K-Basins. Upon completion of the drying process in the CVDF, the MCOs, containing the fuel rods, were placed in the Canister Storage Building (CSB) for long-term dry storage. Over a period of 4 years, in approximately 388 MCOs, the irradiated K-Basin fuel rods were processed through the CVDF for storage in the CSB. Currently, CH2M HILL Plateau Remediation Company (CHPRC) is preparing the CVDF to process small fuel pieces (scrap) that remain in containers inside the K-West Basin.

In preparation for processing the K-West Basin scrap, CHPRC conducted an MCO operational proficiency demonstration using procedure OP-94-008V, "Process MCO/CASK In Process Bay 5 (OCRWM)". The acronym OCRWM identifies Office of Civilian Radioactive Waste Management requirements. The HSS representative observed operational activities in the process bay and in the CVDF control room. All procedural steps were satisfactorily completed.

**HSS Participants****References**

1 (lead). Jake Wechselberger

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

1. Review adequacy of the CVDF final safety analysis report.