

Summary Report of Occurrences Reviewed From November 15 – 19, 2010

Summary: 29 occurrences at 15 sites reviewed during this period.

Occurrences of Significant Interest (1)

Radiological Control – 1 occurrence at 1 site

- EM – Hanford Site (Significance Category 4).*** On November 16, in preparation for removal of B-Cell, research and on-site investigation identified evidence of a potentially breached stainless steel liner in the sump floor, indicating a leak may have occurred at some point during the operation of the cell. The radiological dose profile from the first soil samples indicated the presence of radioactive material in the soil near the 324 B-Cell sump. A maximum radiation reading of 6,700 R/hr was noted in the initial sample probe approximately 3.5 feet beneath the B-Cell sump. Subsequent probes have identified peak readings up to 8,900 R/hr. This indicates that highly radioactive materials may have migrated through the breach in the sump liner and concrete floor, and into the surrounding soils. The 300 Area is currently posted as an Underground Radioactive Material area. Since the discovery of the radioactive soils, Washington Closure Hanford is working to avoid creating any potential pathways for worker exposure, and potential migration or dispersion pathways to the environment. This event was reported as a Management Concern due to the unexpected very high levels of radiation.

Other Occurrences (28). See Table (Note: The Table includes the occurrences listed above).

Occurrence Category	Number of Occurrences				Number of Sites
	E&E	NNSA	SC	DOE Total	
Injury - Industrial Hygiene/Occupational Safety	2	4	2	8	7
Near Miss	1	0	0	1	1
Authorization Basis	0	2	0	2	2
Radiological Concerns	2	0	0	2	2
Environmental	0	0	0	0	0
Fire Safety	0	0	2	2	2
Shipping Quality Assurance	1	0	1	2	2
Criticality Concerns	0	0	0	0	0
Industrial Operations	0	0	1	1	1
Conduct of Operations / LOTO	3	1	1	5	4
Electrical Safety	1	0	1	2	2
Vehicle Accident	0	0	0	0	0
Equipment Failures	1	1	0	2	2
Safeguards and Security	0	0	0	0	0
Suspect & Counterfeit Parts	2	0	0	2	2
Other	0	0	0	0	0
Total	13	8	8	29	

ORPS Significance Categories	OE	SC1	SC2	SC3	SC4	R
Totals for the Week:	0	0	1	21	6	1

Secretarial Office Summary

National Nuclear Security Administration	8 occurrences	(5 sites)
Office of Environmental Management	7 occurrences	(3 sites)
Office of Management	1 occurrence	(1 site)
Office of Nuclear Energy	5 occurrences	(1 site)
Office of Science	8 occurrences	(5 sites)