

Summary Report of Occurrences Reviewed From February 8 – 12, 2010

Summary: 28 occurrences at 13 sites reviewed during this period.

Occurrences of Significant Interest (1)

Fire Protection – 1 occurrence at 1 site

- **SC – Argonne National Laboratory (Significance Category 3).** On February 8, a smoke detector over an under-sodium viewing experiment activated when a small sodium leak occurred while transferring sodium from a test tank to a storage tank. Technicians turned off the heater to the vessel and attempted to place a bag around the sodium in order to fill the bag with argon gas to reduce the air/sodium reaction; however the paper on the insulation ignited. The technicians were able to stop the fire and reaction before firefighters arrived. Personnel in the building evacuated. The technicians set up fans to cool the vessel and the firefighters left. While waiting for the vessel to cool down, sodium that had dripped onto the inside of the heating jacket started another fire, which activated the smoke alarm again, causing another evacuation. The technicians used a Class D fire extinguisher and sand to extinguish the fire before the firefighters returned. There was no apparent damage to the experimental apparatus or surrounding environment, and the quantity of sodium involved was believed to be a few ounces. A fact finding was held.

Other Occurrences (27). See Table (Note: The Table includes the occurrence listed above).

Occurrence Category	Number of Occurrences				Number of Sites
	E&E	NNSA	SC	DOE Total	
Injury - Industrial Hygiene/Occupational Safety	5	2	2	9	7
Near Miss	0	1	1	2	2
Authorization Basis	1	0	1	2	2
Radiological Concerns	0	1	0	1	1
Environmental	0	1	0	1	1
Fire Safety	0	0	2	2	1
Shipping/Quality Assurance	0	0	0	0	0
Criticality Concerns	1	0	0	1	1
Industrial Operations	2	0	0	2	2
Conduct of Operations	1	2	1	4	4
Electrical Safety	1	0	0	1	1
Vehicle Accident	0	0	0	0	0
Equipment Failures	1	0	0	1	1
Safeguards and Security	0	0	0	0	0
Suspect & Counterfeit Parts	1	0	1	2	2
Other	0	0	0	0	0
Total	13	7	8	28	

ORPS Significance Categories	OE	SC1	SC2	SC3	SC4	R
Totals for the Week:	0	0	2	17	9	0

Secretarial Office Summary

National Nuclear Security Administration	7 occurrences	(4 sites)
Office of Environmental Management	9 occurrences	(4 sites)
Office of Nuclear Energy	4 occurrences	(1 site)
Office of Science	8 occurrences	(4 sites)