

## **Summary Report of Occurrences Reviewed** *From November 14 – 18, 2011*

**Summary:** 22 occurrences at 13 sites reviewed during this period.

### **Occurrences of Significant Interest (2)**

#### **Radiological Contamination/Uptake – 1 occurrence at 1 site**

- ***NE – Idaho National Laboratory (Significance Category OE).*** On November 8, while inspecting material in the Zero Power Physics Reactor (ZPPR) work room, an area Continuous Air Monitor (CAM) alarmed and sixteen personnel were discovered to have plutonium contamination. When the CAM alarmed, personnel immediately stopped work and exited the area according to procedures and health physics personnel instructions. Personnel were surveyed for contamination and decontaminated, if required. Seven employees had skin contamination. Six personnel had positive nasal smears. Personnel were working in a laboratory hood removing ZPPR fuel plates from one container and preparing the material to be placed in another container suitable for shipping. Management and DOE-ID were notified and the ZPPR area was roped off. The emergency control center was manned and helped coordinate the response efforts. All potentially exposed employees are currently undergoing additional radiological monitoring at the Central Facilities Area Medical Facility. External air sampling and radiological surveys indicate no contamination has been detected outside of the ZPPR facility. A critique was completed on November 9. A recovery manager has been appointed and a plan is being developed for recovery.

#### **Industrial Hygiene Exposure – 1 occurrence at 1 site**

- ***EM – Idaho Cleanup Project (Significance Category 2).*** On November 11, while Idaho Cleanup Project D&D personnel were treating passivated sodium in sodium boiler building Materials and Fuels Complex-766, a pressure excursion in the piping occurred. The excursion separated a piece of 12-inch pipe that was a dead leg in the system and ejected treatment solution from the piping. Personnel located near MFC-766 left the area upon hearing several loud noises and called the fire department. The Idaho National Laboratory (INL) Emergency Operations Center (EOC) was activated and initiated a Take Cover for all personnel located within the MFC. D&D personnel continued to monitor treatment system variables using remote cameras and the system remained stable. On-Scene Command personnel surveyed the areas outside MFC-766 and saw no signs that a fire had occurred. After establishing an exclusion zone around MFC-766, the INL EOC released the Take Cover and deactivated the emergency response command. D&D project personnel made a fact gathering entry into the exclusion zone around the building. A release of asbestos had occurred during the excursion that exceeded reportable quantities, but everything else appeared stable. One individual was exposed to a fine mist of treatment solution and was taken to the Eastern Idaho Regional Medical Center. Physicians reported no physical evidence of any injury and released the individual from observation.

**Other Occurrences (20).** 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	4	0	0	4	4
Near Miss	0	1	0	1	1
Authorization Basis	1	1	0	2	2
Radiological Concerns	2	1	0	3	3
Environmental	0	1	2	3	3
Fire Safety	0	1	0	1	1
Shipping / Quality Assurance	0	0	0	0	0
Criticality Concerns	0	0	0	0	0
Industrial Operations	0	0	0	0	0
Conduct of Operations / LOTO	3	0	1	4	4
Electrical Safety	0	0	0	0	0
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	0	1	1	2	1
Other	0	0	0	0	0
<b>Total</b>	<b>11</b>	<b>7</b>	<b>4</b>	<b>22</b>	

ORPS Significance Categories	OE	SC1	SC2	SC3	SC4	R
Totals for the Week:	1	0	2	11	8	0

### Secretarial Office Summary

National Nuclear Security Administration	7 occurrences	(4 sites)
Office of Energy Efficiency and Renewable Energy	1 occurrence	(1 site)
Office of Environmental Management	7 occurrences	(3 sites)
Office of Fossil Energy	1 occurrence	(1 site)
Office of Nuclear Energy	2 occurrences	(1 site)
Office of Science	4 occurrences	(3 sites)