

## Summary Report of Occurrences Reviewed From October 25 – 29, 2010

**Summary:** 26 occurrences at 12 sites reviewed during this period.

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

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

- NA – Sandia National Laboratories (Significance Category 3).*** On October 19, a member of the workforce reported liquid nitrogen (LN2) dripping from the ceiling in Room B-48, in the basement of Building 891, to the 5300 ES&H Coordinator and a member of management. The coordinator and manager checked the men's locker room. They opened the door but did not enter because of fog and cold air. Two nearby oxygen monitors began alarming intermittently. They immediately left the area, activated a fire alarm pull station to evacuate the building, and reported the event to Emergency Management (EM). The coordinator then closed all the red handled valves on the building LN2 tank and condenser. EM personnel arrived on scene, swept the basement, and surveyed oxygen levels. EM personnel verified that oxygen levels, which had been at 14%, had returned to normal. Facilities electricians inspected the basement and found no electrical hazard issues. The building was returned to regular occupancy. A lab owner identified a LN2 purge valve in room B-54 that was open and reported that the phase-separator (keep-full) on this LN2 line may be faulty. The purge valve was closed and administratively tagged out. This was the source from which LN2 entered an exhaust duct on the SW side of the building and found its way to the ducting in the ceiling above the men's locker room, and leaked out resulting in the low oxygen levels. There was also water damage to the men's locker room and the room was placed out of service until repairs can be made.

#### **Vehicle Accident – 1 occurrence at 1 site**

- EM – Savannah River Site (Significance Category 3).*** On October 14, 2010, a Riley Express employee, operating a Peterbilt truck, attempted to cross the railroad near SRS Leigh Road; however, the employee failed to stop at the stop sign causing the log truck to be struck by a northbound CSX train. SRS emergency and security services were called and responded to the scene. The driver of the log truck and two CSX employees were transported by an SRS ambulance to a local hospital. SRS site security determined that the truck driver contributed to the accident and was charged with disregarding a stop sign. The damaged truck and train were taken for repair and the accident site was cleaned up.

**Other Occurrences (24).** 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	1	4	0	5	5
Near Miss	3	0	0	3	2
Authorization Basis	1	1	0	2	2

Occurrence Category	Number of Occurrences				Number of Sites
	E&E	NNSA	SC	DOE Total	
Radiological Concerns	1	1	1	3	3
Environmental	2	0	0	2	2
Fire Safety	1	1	0	2	2
Shipping Quality Assurance	0	0	0	0	0
Criticality Concerns	0	0	0	0	0
Industrial Operations	1	0	0	1	1
Conduct of Operations / LOTO	1	0	0	1	1
Electrical Safety	3	0	0	3	2
Vehicle Accident	1	0	0	1	1
Equipment Failures	1	1	0	2	2
Safeguards and Security	0	0	0	0	0
Suspect & Counterfeit Parts	1	0	0	1	1
Other	0	0	0	0	0
<b>Total</b>	<b>17</b>	<b>8</b>	<b>1</b>	<b>26</b>	

ORPS Significance Categories	OE	SC1	SC2	SC3	SC4	R
Totals for the Week:	0	0	2	13	10	1

### Secretarial Office Summary

National Nuclear Security Administration	8 occurrences	(5 sites)
Office of Environmental Management	11 occurrences	(4 sites)
Office of Legacy Management	1 occurrence	(1 site)
Office of Nuclear Energy	5 occurrences	(1 site)
Office of Science	1 occurrence	(1 site)