

## **Summary Report of Occurrences Reviewed** ***From January 14 – 18, 2008***

**Summary:** 20 occurrences at 13 sites reviewed during this period.

### **Significant Occurrences (4)**

#### **Near Misses – 1 occurrence at 1 site**

- **EM – Idaho National Laboratory, ICPP Landlord Activities (Significance Category 2).** On January 10, while subcontract electricians were replacing light ballasts in Technical Support Building A, electrical sparks came from an unidentified energized wire in a fluorescent light fixture. Electricians isolated the circuit breaker and work continued. A later fact finding meeting revealed the energized wire was discovered after the zero energy check was performed and that the electricians failed to follow the specified lockout/tagout procedure as required during this work. All work under this subcontract has been suspended and a formal cause analysis commenced.

#### **Injuries – 1 occurrence at 1 site**

- **EM – Savannah River Site (Significance Category 3).** On January 17, a construction electrical worker was drilling a hole in a stainless steel cover plate for a receptacle when the plate came loose from its clamped position, spun around and struck the employee's fingers, cutting two fingers on the right hand. The clamp was not tightened sufficiently to hold the work fast when the drill bit jammed in the hole. The worker was transported off site to an orthopedic surgeon to have a tendon repaired and stitches to close the wound. Construction work was temporarily suspended.

#### **Equipment Degradation / Failure – 1 occurrence at 1 site**

- **NA – Los Alamos National Laboratory (Significance Category 4).** On January 4, while utilities personnel were generating power on Turbine Generator No. 1 (TG1) in the Building SM-22 steam plant, the condenser waterbox end cap on Turbine Generator No. 3 (TG3) blew off, causing TG1 to trip on the loss of circulating cooling water. While responding to a low vacuum alarm in the TG1 basement, utilities personnel discovered that the condenser end cap, which weighs approximately 7,000 pounds had blown off and landed on top of an adjacent stairwell platform and was leaning against an overhead steam extraction line. They also saw that 80,000 gallons of circulating cooling water had spilled onto the basement floor. Utilities personnel secured TG1 and closed the circulating cooling water inlet and outlet valves to the condenser. The area where the condenser cap had landed was barricaded and the water was removed by sumps and drains. Preliminary evaluation of the condenser found a pre-existing crack throughout the internal cast iron structure and corrosion in the supports. The end cap was secured to the condenser water box by the originally designed bolting pattern, which could not maintain the 10-12 psi operating pressure.

#### **Conduct of Operations – 1 occurrence at 1 site**

- **NA – Pantex Plant (Significance Category 3).** On January 10, a nuclear operations stand down occurred following a violation of the two-man rule after it was learned that two technicians, who were assigned to observe a third technician performing a tooling inventory in a security vault, became inattentive and stopped observing the third technician who had

moved out of their line of sight. A fourth person had entered the vault to perform surveillances and observed the coverage (two-man rule) violation. The condition was reported to the two technicians and management and coverage was immediately reestablished. No nuclear explosive operations were in progress and protective covers that had been installed over a unit from previous work activities remained undisturbed. The technicians involved were restricted from the operating location and prohibited entry to the Material Access Area. An investigation was initiated and the technicians were placed on administrative leave.

**Other Occurrences (16).** 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	1	1	3	3
Near Miss	1	0	0	1	1
Authorization Basis	0	0	0	0	0
Radiological Concerns	1	0	0	1	1
Environmental	1	2	0	3	3
Fire Safety	1	0	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	1	3	0	4	4
Electrical Safety	1	0	0	1	1
Vehicle Accident	0	0	0	0	0
Equipment Failures	0	3	1	4	4
Safeguards and Security	0	0	0	0	0
Suspect & Counterfeit Parts	2	0	0	2	2
Other	0	0	0	0	0
<b>Total</b>	<b>9</b>	<b>9</b>	<b>2</b>	<b>20</b>	

### Secretarial Office Summary

National Nuclear Security Administration	9 occurrences	(5 sites)
Office of Environmental Management	7 occurrences	(4 sites)
Office of Energy Efficiency and Renewable Energy	1 occurrence	(1 site)
Office of Fossil Energy	1 occurrence	(1 site)
Office of Science	2 occurrences	(2 sites)