

## **Summary Report of Occurrences Reviewed** ***From December 10 – 14, 2007***

**Summary:** 28 occurrences at 17 sites reviewed during this period.

### **Significant Occurrences (5)**

#### **Electrical Safety – 2 occurrences at 2 sites**

- **NA – Sandia National Laboratory, California Site (Significance Category 2).** On December 10, a sheet rock contractor standing on a scissors lift pushed against an electrical conduit and received a minor electrical shock when the conduit severed and damaged electrical wires from a junction box. The contractor felt a tingling sensation and received a slight burn mark on one of the fingers of the left hand. There were scorch marks on both the junction box and the end of the conduit. The circuit breaker tripped as intended, and the circuit was subsequently locked and tagged out. The affected circuit was 120-volt service to the Emergency Power Circuit for a security alarm system. The subcontractor went to a private physician at the Laboratory's request.
- **NA – Los Alamos National Laboratory (Significance Category 3).** On December 10, while identifying wires that needed to be replaced for a wiring upgrade project, workers pulled two energized leads which touched and tripped several circuit breakers, causing a loss of power to Continuous Air Monitors in building PF-4. Personnel in affected areas were evacuated. During recovery, another circuit breaker tripped causing a partial loss of ventilation. Personnel in those affected areas were evacuated. A critique was held and several corrective actions were developed for work control of the rewiring project.

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

- **NA – Kansas City Plant (Significance Category 3).** On December 12, a security officer was nearly struck by a falling vehicle height restrictor gate weighing hundreds of pounds while opening the gate for an ambulance. The security officer was able to jump out of the way, and fell to the ground, landing on his left knee and both hands. He was treated on-site for abrasions to his left hand and left knee, and was released to return to work. The upper hinge pin had deteriorated causing the lower hinge pin to snap, allowing the gate to fall. A forklift was used to remove the gate and allow for normal roadway use. An incident investigation was initiated.

#### **Radiological Control – 1 occurrence at 1 site**

- **EM – Idaho National Laboratory, Cleanup Project (Significance Category 4).** On December 6, weaknesses in Locked High Radiation Area (LHRA) guard duties were identified at the Idaho Cleanup Project. In separate occasions, a LHRA guard left the entrance to the LHRA for a period of time, a guard fell asleep while at the LHRA entrance, and a guard had competing responsibilities which prompted the guard to perform an informal turnover of their duties to another guard, resulting in confusion in the work area. No unauthorized personnel entered the LHRAs. In all cases, a step back was initiated, supervision was notified, and the area was secured. The guarding of a LHRA is extremely important for personnel safety.

## Industrial Operations – 1 occurrence at 1 site

- ***NA – Y12 National Security Complex (Significance Category 3).*** On December 10, a subcontractor was removing a 142-foot, 8½-ton jib section from a tower crane when the jib section unexpectedly rotated from a horizontal to a vertical position, striking the sheave guard on the mobile support crane. The jib section was immediately and quickly lowered to the ground in a controlled manner. There was no apparent damage to the support crane. Because the area around the crane had been cordoned off, no personnel were put at risk during the incident. The subcontractor did not use the tower crane manufacturer's attachment points when performing the lift, relying instead on the experience and judgment of the subcontractor's crew. No center of gravity calculations for the load were performed.

**Other Occurrences (23).** 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	0	0	2	2
Near Miss	1	1	0	2	2
Authorization Basis	4	0	0	4	3
Radiological Concerns	2	0	0	2	2
Environmental	2	0	1	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	1	1	0	2	2
Conduct of Operations	1	2	0	3	3
Electrical Safety	1	3	0	4	4
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	1	0	3	3
Other	0	0	0	0	0
<b>Total</b>	<b>17</b>	<b>10</b>	<b>1</b>	<b>28</b>	

## Secretarial Office Summary

National Nuclear Security Administration	10 occurrences	(6 sites)
Office of Environmental Management	15 occurrences	(9 sites)
Office of Nuclear Energy, Science and Technology	2 occurrences	(1 site)
Office of Science	1 occurrence	(1 site)