

Summary Report of Occurrences Reviewed From February 23 – 27, 2009

Summary: 25 occurrences at 17 sites reviewed during this period.

Significant Occurrences (2)

Near Miss – 1 occurrence at 1 site

- **NA – Los Alamos National Laboratory (Significance Category 2).** On February 21, while Los Alamos Fire Department (LAFD) personnel were conducting a standpipe training exercise at the Technical Area 3, Building 4100, parking structure, the dry standpipe system failed catastrophically. Subsequent inspection found the 8-inch standpipe failed on the second level of the parking structure, separating at the grooved mechanical connections between piping. Two elbows weighing approximately 30 pounds each and four 20-foot sections of steel pipe weighing approximately 200 pounds each were ejected from the system and found lying on the parking structure floor. It is suspected that one of the elbows impacted a pre-stressed truss causing a significant crack in the concrete. The exercise was immediately stopped. LAFD personnel immediately discharged and secured the system and the water source. No injuries resulted from this event. The parking structure was barricaded to restrict access until a structural evaluation could be performed. The Facilities Operations Director was unaware of the training exercise.

Industrial Hygiene Exposure – 1 occurrence at 1 site

- **NA – Los Alamos National Laboratory (Significance Category 3).** On February 19, two air monitoring results for lead showed lead exposure above the OSHA permissible exposure limit of 50 micrograms per cubic meter (ug/m^3) for machining work in Building SM-39. On February 4th and 5th, a shop worker machined lead with air sampling performed. Monitoring results received on February 19, 2009, showed a level of $60.5 \text{ ug}/\text{m}^3$ for February 4th and $302 \text{ ug}/\text{m}^3$ on February 5th. Both results also exceeded the LANL action level of $30 \text{ ug}/\text{m}^3$. Following notification, the worker reported to the LANL occupational medicine facility for a blood level evaluation. The worker was released back to work with lead work restrictions. Management notifications were made and area lead surface swipes will be taken.

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	1	2	5	4
Near Miss	0	1	0	1	1
Authorization Basis	2	0	1	3	2
Radiological Concerns	2	2	1	5	5
Environmental	0	0	1	1	1
Fire Safety	1	0	2	3	3
Shipping/Quality Assurance	1	1	0	2	2
Criticality Concerns	1	0	0	1	1
Industrial Operations	0	1	1	2	2
Conduct of Operations	0	0	0	0	0
Electrical Safety	0	0	0	0	0
Vehicle Accident	0	0	0	0	0

Occurrence Category	Number of Occurrences				Number of Sites
	E&E	NNSA	SC	DOE Total	
Equipment Failures	0	1	0	1	1
Safeguards and Security	0	0	0	0	0
Suspect & Counterfeit Parts	1	0	0	1	1
Other	0	0	0	0	0
Total	10	7	8	25	

Secretarial Office Summary

National Nuclear Security Administration	7 occurrences	(4 sites)
Office of Environmental Management	8 occurrences	(5 sites)
Office of Management	1 occurrence	(1 site)
Office of Nuclear Energy	1 occurrence	(1 site)
Office of Science	8 occurrences	(6 sites)