

Summary Report of Occurrences Reviewed *From January 1 – 4, 2008*

Summary: 14 occurrences at 8 sites reviewed during this period.

Significant Occurrences (2)

Near Misses – 1 occurrence at 1 site

- **NA – Lawrence Livermore National Laboratory - Nevada (Significance Category 4).** On October 31, 2007, while a subcontractor worker was removing a valve from a sample bottle to collect a sample from legacy gas bottles, approximately 1 teaspoon of a liquid substance leaked onto the ground from the sample bottle. When the liquid began to smoke and appeared hot, the worker dropped the bottle and quickly moved away from the area as did the work supervisor. After donning personal protective equipment, the sample bottle was blanketed with argon, re-valved, and transported back to the subcontractor's company to be analyzed. The remaining residue on the ground was shoveled into a plastic bag to await disposal. On December 6, sample results were received from the subcontractor that indicated the spilled material contained diethyl aluminum ethoxide with a trace of ethane. On December 17, the material was disposed as solid waste in accordance with local, state and federal laws.

Safeguards & Security / Material Accountability – 1 occurrence at 1 site

- **NA – Los Alamos National Laboratory (Significance Category 2).** On December 20, during a 100 percent inventory of radioactive items at Technical Area 55, there was a discrepancy in locating a small radioactive material sample within a glovebox maintained by the Plutonium Manufacturing and Technology Pu-238 Group. A critique was held and the history of the item was discussed. While no records exist on the final disposition of the item, it was traced to a point where only it was either placed into a metal waste stream, or the item was returned to the parent lot. The sample quantity is sufficiently low such that it would not exceed the regulatory limit if it had been placed in a waste drum, and it would fall below the statistical error margin if the sample had been returned to the parent lot. For either of these two possibilities, the sample material remains within a regulated radiation controlled area.

Other Occurrences (12). 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	0	3	3
Near Miss	0	1	0	1	1
Authorization Basis	1	1	0	2	2
Radiological Concerns	3	1	0	4	3
Environmental	1	0	0	1	1
Fire Safety	0	0	0	0	0
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	1	0	2	2
Electrical Safety	0	0	0	0	0
Vehicle Accident	0	0	0	0	0
Equipment Failures	0	0	0	0	0
Safeguards and Security	0	1	0	1	1
Suspect & Counterfeit Parts	0	0	0	0	0
Other	0	0	0	0	0
Total	8	6	0	14	

Secretarial Office Summary

National Nuclear Security Administration	6 occurrences	(4 sites)
Office of Energy Efficiency and Renewable Energy	2 occurrences	(1 site)
Office of Environmental Management	6 occurrences	(3 sites)