

Summary Report of Occurrences Reviewed

From July 7 – 14, 2006

Summary: 18 occurrences at 11 sites reviewed during this period.

Significant Occurrences (1)

Radiological Safety Concerns – 1 occurrence at 1 site

- **Lawrence Livermore National Laboratory (Significance Category 2)** On July 11, 2006, Laboratory management became aware of tritium contamination in Buildings 255 and 298. The maximum level of contamination was approximately 2.3 million dpm/100cm². Subsequently, the source of the contamination was found to be a device designed to test the tritium monitors. The device was packaged and returned to the Building 255 Radiation Calibration Laboratory. Follow-up surveys identified a spread of low-level tritium contamination (below the 10,000 dpm/100cm² 10 CFR 835 threshold limit) into one private vehicle and one government vehicle. Bioassays were performed for affected Laboratory staff and custodial personnel in the two buildings, and results were negative.

Other Occurrences (17). See Table (Note: The Table includes the occurrences listed above).

Occurrence Category	Number of Occurrences			Number of Sites
	NNSA	ESE	DOE Total	
Near Miss	0	3	3	3
Authorization Basis	3	2	5	5
Radiological Concerns	1	1	2	2
Criticality Concerns	1	0	1	1
Environmental	0	1	1	1
Industrial Hygiene/Occupational Safety	1	0	1	1
Conduct of Operations	0	1	1	1
Equipment Failures	0	1	1	1
Suspect & Counterfeit Parts	2	0	2	2
Industrial Operations	0	1	1	1
Total	8	10	18	

Secretarial Office Summary

National Nuclear Security Administration	8 occurrences	(6 sites)
Office of Environmental Management	9 occurrences	(5 sites)
Office of Nuclear Energy	1 occurrence	(1 site)