

Summary Report of Occurrences Reviewed

From August 11 – 18, 2006

Summary: 35 occurrences at 16 sites were reviewed during this period.

Significant Occurrences (5)

Injuries – 1 occurrence at 1 site

- **SC – Fermi National Accelerator Laboratory (Significance Category 2).** On August 14, 2006, an employee suffered an eye injury when he was exposed to ultraviolet (UV) light for approximately 10 minutes while taking photographs with a handheld digital camera inside a hood at the Material Development Testing Laboratory. The employee had substituted the hood UV light source when he could not locate the low-intensity UV inspection light required by procedure. Later that evening, the employee experienced eye discomfort and went to a local hospital emergency room, where he was diagnosed with redness on the face/neck (similar to a sunburn) and UV keratitis in the eyes. He was provided with several prescription medications and released, returning to work the next day.

Near Misses – 3 occurrences at 3 sites

- **Los Alamos National Laboratory (Significance Category 2).** On August 11, 2006, a subcontract electrician inadvertently drilled through the back of a motor control center in TA-15 to install a relay and contacted an energized 480-volt circuit, resulting in an electrical arc and tripped breaker. The electrician was not shocked, but he experienced a retained retinal image of the arc for approximately 20 minutes and sustained a slight burning sensation on his face for approximately 1 hour. The electrician was transported to the Los Alamos Medical Center for evaluation and released without restrictions.
- **Pantex Plant (Significance Category 3).** On August 11, 2006, a personal injury occurred at the drilling site on the Firing Range #3 Area when a 10-pound metal object fell from the drilling rig and grazed a subcontract worker's hard hat before striking his shoulder, resulting in a minor laceration and bruising.
- **NE – Idaho National Laboratory (Significance Category 3).** On August 8, 2006, a subcontract electrician was performing work in an electrical J-box at the Willow Creek Building, Science and Technology Campus, when his pliers contacted an energized circuit, resulting in an electrical arc and tripped breaker. There were no personnel injuries.

Radiological Uptakes – 1 occurrence at 1 site

- **EM – Savannah River Site (Significance Category 3).** On August 17, 2006, an employee was given a dose assignment upon identification of a positive intake of radioactive material (Pu-238). Routine bioassay and follow-up bioassay samples resulted in a Committed Effective Dose Equivalent assignment of 1,090 millirem for calendar year 2005. An investigation pinpointed a specific incident involving a Continuous Air Monitor alarm on November 30, 2005, as the most likely event for the radioactive intake.

Other Occurrences (30). See table (Note: the table includes the occurrences listed above)

Occurrence Category	Number of Occurrences			Number of Sites
	NNSA	ESE	DOE Total	
Injury – Industrial Hygiene/Occupational Safety	0	2	2	2
Near Miss	2	1	3	3
Authorization Basis	3	3	6	4
Radiological Concern	0	4	4	4
Environmental	1	2	3	3
Fire Safety	0	2	2	2
Radiological Skin Contamination/Uptake	0	2	2	2
Industrial Hygiene/Occupational Safety	0	2	2	2
Conduct of Operations	1	1	2	2
Equipment Failure	3	3	6	4
Electrical Safety	1	0	1	1
Suspect/Counterfeit Item	1	1	2	2
Total	12	23	35	

Secretarial Office Summary

National Nuclear Security Administration	12 occurrences	(5 sites)
Office of Environmental Management	13 occurrences	(4 sites)
Office of Science	4 occurrences	(4 sites)
Office of Nuclear Energy	2 occurrences	(1 site)
Office of Energy Efficiency and Renewable Energy	1 occurrence	(1 site)
Office of Civilian Radioactive Waste Management	2 occurrences	(1 site)
Office of Fossil Energy	1 occurrence	(1 site)