

## 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
<b>Total</b>	<b>12</b>	<b>23</b>	<b>35</b>	

### 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)