

Summary Report of Occurrences Reviewed From March 3 – 7, 2008

Summary: 33 occurrences at 16 sites reviewed during this period.

Significant Occurrences (4)

Near Misses – 1 occurrence at 1 site

- **NA – Y12 National Security Complex (Significance Category 3).** On February 28, a piece of equipment weighing approximately 22,000 pounds slowly slid off a flatbed trailer and landed on its side on an adjacent paved area immediately after being loaded onto the trailer by a large forklift. The equipment, which had removable radiological contamination, was to be transported to a staging area pending offsite disposal. The trailer bed and cribbing, which was on a 2-degree slope, was covered with two layers of plastic sheeting for contamination control. While a rigger was on the trailer to chain down the load, another rigger saw the load start to move and called out a warning. Personnel backed away as the equipment slowly slid off of the trailer and came to rest on its side on the adjacent paved area. The supervisor stopped all associated work activities and contacted the maintenance section manager. The area was then roped off to control access and prevent any potential contamination spread. Notifications were made.

Electrical Safety – 1 occurrence at 1 site

- **FE – National Energy Technology Laboratory (Significance Category 3).** On February 27, an electrician received a mild electrical shock after removing the service panel on a 440-volt metal lathe to check the electrical requirements for the installation of a low voltage non-restart switch. Because this was just a visual check, energy isolation was not required. The electrician immediately stopped work and reported the event to a supervisor. A voltmeter check of the electrical potential between the lathe and a reliable ground indicated 277 volts. The lathe was immediately unplugged and a lockout/tagout was installed to prevent operation. The electrician was wearing proper footwear (rubber-soled boots) at the time of the incident and therefore did not receive the full 277 volts on the surface of the lathe. Inspection of the lathe revealed that the plug had been improperly wired such that one of the three phase wires was connected to ground and the ground wire was connected to a phase lug. This error unexpectedly caused the metal surface of the lathe to be energized. The improperly wired electrical plug had been installed in May 2007 by a qualified electrician.

Industrial Hygiene – 1 occurrence at 1 site

- **SC – Argonne National Laboratory (Significance Category 3).** On March 3, personnel evacuated Building 223 when a smoke alarm was activated by a fine white haze and powder associated with the release of materials from ampoules in a high temperature furnace. No personnel were present in the room when the incident occurred. First responders were informed before entering the laboratory that two quartz tubes were being heated in the furnace and that the contents included arsenic. A first responder wore a Self-Contained Breathing Apparatus during entry. After ensuring there were no other causes that activated the alarm, the room was sealed pending investigation and clean up.

Industrial Operations – 1 occurrence at 1 site

- ***EM – Hanford Site, Richland Office (Significance Category R).*** On March 4, Fluor Hanford senior management determined that a Recurring Event report was appropriate after reviewing data on six events involving dropped loads during movement or transport for the period October 2007 through March 2008. The data and trending analysis showed that the set of events or conditions were similar in nature and that a non-improving trend exists. These events or conditions represent an unacceptable risk of a serious event. Additional causal analysis is needed in order to better understand the common causes, assess the corrective actions, and determine if additional corrective actions are needed.

Other Occurrences (29). 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	2	1	5	4
Near Miss	0	1	1	2	2
Authorization Basis	2	4	1	7	6
Radiological Concerns	2	0	1	3	2
Environmental	0	0	0	0	0
Fire Safety	1	0	0	1	1
Shipping/Quality Assurance	0	1	0	1	1
Criticality Concerns	1	0	0	1	1
Industrial Operations	2	0	0	2	1
Conduct of Operations	1	1	0	2	2
Electrical Safety	3	0	0	3	3
Vehicle Accident	0	0	0	0	0
Equipment Failures	1	2	1	4	4
Safeguards and Security	0	0	0	0	0
Suspect & Counterfeit Parts	0	2	0	2	1
Other	0	0	0	0	0
Total	15	13	5	33	

Secretarial Office Summary

National Nuclear Security Administration	13 occurrences	(7 sites)
Office of Environmental Management	12 occurrences	(3 sites)
Office of Fossil Energy	1 occurrence	(1 site)
Office of Nuclear Energy	2 occurrences	(1 site)
Office of Science	5 occurrences	(4 sites)