

## Summary Report of Occurrences Reviewed From October 13 – 17, 2008

**Summary:** 23 occurrences at 16 sites reviewed during this period.

### Significant Occurrences (3)

#### **Injury – 1 occurrence at 1 site**

- **NA – Sandia National Laboratories (Significance Category 3).** On October 9, while preparing a test in which two small thermal batteries were to be placed on a monorail sled along with a HiCapPen hardened data recorder, the Super Zuni rocket motor ignited prematurely, injuring one contractor and three employees. The contractor was taken to the hospital with a broken leg and burns to the hands and arms. The three employees reported ringing in the ears from the sound of the rocket; two went to the hospital but the other declined; all were checked by Medical the following day. The Sled Track area was secured.

#### **Radiological Exposure – 1 occurrence at 1 site**

- **SC – Fermi National Accelerator Laboratory (Significance Category 3).** On October 6, 2008, while constructing a cinder block wall underground in the Neutrino at the Main Injector (NuMI) Absorber area, two masonry contractors mistakenly used water from a return line for the Decay Pipe RAW system instead of from the domestic water source as discussed in the pre-job planning meeting. The masons used about 8 gallons of water from the Decay Pipe RAW system which is contaminated with tritium. A 24-hour tritium urinalysis sample collection for both masonry contractors was initiated on October 7, 2008. The preliminary bioassay results on the mason and laborer are considered insignificant and indicate a committed effective dose on the order of 0.01 mrem. A split sample is now being analyzed to confirm the initial results.

#### **Fire Protection & Explosive Safety – 1 occurrence at 1 site**

- **AC – Brookhaven National Laboratory (Significance Category OE).** On October 13, an explosion occurred at drinking water pump station number 12 (building 347) on the Brookhaven National Laboratory property. No one was injured in the event; however, the building (34-by-20 foot, 680-square foot concrete block) sustained substantial damage estimated to be below \$300K. No evacuation of Lab facilities or employees was necessary. The cause of the explosion is being investigated by BNL and a DOE Brookhaven Site Office representative. It is believed that a propane gas leak caused gas to build up and a spark from other pumping equipment may have caused that gas to explode.

**Other Occurrences (20).** 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	1	3	0	4	3
Near Miss	0	0	0	0	0
Authorization Basis	4	1	0	5	5
Radiological Concerns	0	0	1	1	0

Occurrence Category	Number of Occurrences				Number of Sites
	E&E	NNSA	SC	DOE Total	
Environmental	0	1	0	1	1
Fire Safety	1	0	2	3	3
Shipping/Quality Assurance	0	0	0	0	0
Criticality Concerns	0	1	0	1	1
Industrial Operations	0	0	0	0	0
Conduct of Operations	5	1	1	7	5
Electrical Safety	0	1	0	1	1
Vehicle Accident	0	0	0	0	0
Equipment Failures	0	0	0	0	0
Safeguards and Security	0	0	0	0	0
Suspect & Counterfeit Parts	0	0	0	0	0
Other	0	0	0	0	0
<b>Total</b>	<b>11</b>	<b>8</b>	<b>4</b>	<b>23</b>	

### Secretarial Office Summary

National Nuclear Security Administration	8 occurrences	(4 sites)
Office of Environmental Management	10 occurrences	(7 sites)
Office of Nuclear Energy	1 occurrence	(1 site)
Office of Science	4 occurrences	(4 sites)