

Summary Report of Occurrences Reviewed From January 5 – 9, 2009

Summary: 23 occurrences at 14 sites reviewed during this period.

Significant Occurrences (3)

Near Miss – 1 occurrence at 1 site

- **EM – Idaho National Laboratory (Significance Category 3).** On December 23, while a craftsman was securing a 10,000-gallon mobile propane tank, residual propane inadvertently ignited and caused a small fire ball. After opening a condensate drain valve, which is in the immediate vicinity of the pilot light, the craftsman saw a small amount of liquid propane burning on the ground below the drain valve. He immediately extinguished it with a handful of snow and reported the event. Firefighters from the INL Fire Department responded. There were no injuries or equipment damage.

Radiological Control – 1 occurrence at 1 site

- **NA – Lawrence Livermore National Laboratory (Significance Category 3).** On December 23, during small-scale treatment activities involving 4mCi of Uranium Hydride in Building 695, a rapid pressure pulse (explosion) occurred resulting in the loss of some material at risk. The exact quantity is unknown. The operation had been running unmanned at the time of the incident and when an engineer and technician entered the room, they discovered three breached glovebox gloves and a cracked glovebox window. The facility was secured and all exit doors were surveyed to verify no spread of contamination. Filters from passive air samplers were analyzed. The room will need to be decontaminated.

Industrial Hygiene Exposure – 1 occurrence at 1 site

- **NE – East Tennessee Technology Park (Significance Category 3).** On December 22, two workers became dizzy from nitrogen inhalation while cleaning the bottom inside surface of a 45-foot-tall, 30-inch-diameter cylinder. The cylinder has a closed top with entry at the bottom, which is approximately 4 feet above the floor. The workers took turns using a 4-foot step ladder to access the area to be cleaned inside the cylinder and each exited the cylinder when they became dizzy. After a short time both workers felt fine. It was discovered that a nitrogen purge system to the cylinder had not been shut-off before the workers entered the cylinder. The work was terminated and all confined space entry was put on hold.

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	4	0	1	5	4
Near Miss	2	1	1	4	3
Authorization Basis	0	1	0	1	1
Radiological Concerns	1	3	0	4	3
Environmental	1	2	0	3	3
Fire Safety	1	0	0	1	1
Shipping/Quality Assurance	0	0	0	0	0
Criticality Concerns	0	0	0	0	0

Occurrence Category	Number of Occurrences				Number of Sites
	E&E	NNSA	SC	DOE Total	
Industrial Operations	0	0	0	0	0
Conduct of Operations	0	2	0	2	2
Electrical Safety	2	0	1	3	3
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
Total	11	9	3	23	

Secretarial Office Summary

National Nuclear Security Administration	9 occurrences	(5 sites)
Office of Environmental Management	8 occurrences	(4 sites)
Office of Fossil Energy	1 occurrence	(1 site)
Office of Nuclear Energy	2 occurrences	(2 sites)
Office of Science	3 occurrences	(2 sites)