

Summary Report of Occurrences Reviewed From September 24 – 28, 2007

Summary: 26 occurrences at 18 sites reviewed during this period.

Significant Occurrences (6)

Criticality Safety – 1 occurrence at 1 site

- **NE – Idaho National Laboratory (Significance Category 2).** On September 20, 2007, a follow-on review of a July 2007 shipment of legacy materials delivered to the Irradiated Fuels Examination Laboratory (Bldg. 3525) was found to exceed what was identified on the Nuclear Material Transaction Report by 373.5 grams of U235 fissile equivalent mass (FEM). Adding this material to the existing building inventory exceeded the area limit of 700 grams FEM, resulting in a Technical Safety Requirement violation.

Near Misses – 2 occurrences at 2 sites

- **EM – Brookhaven National Laboratory (Significance Category 3).** On September 21, 2007, during mowing operations, the roll bar to the lawn mower struck a window unit air conditioner (A/C), causing the A/C unit to fall from the window, striking the mower steering wheel and cutting deck. The operator was not injured. There was no damage to the lawn mower, however, the A/C unit was damaged and is not salvageable.
- **NA – Los Alamos National Laboratory (Significance Category 4).** On September 11, 2007, two workers were measuring industrial type racks at TA-03-30 warehouse for the storage of pallets of HEPA filters when a cross member support to the plywood decking they were standing on gave way. The workers fell approximately 57 inches to the floor. One worker was taken immediately to Occupational Medicine with leg scrapes and bruising. The second worker was not hurt. Both workers were re-evaluated approximately 24 hours later with no further instructions or restrictions.

Injury – 1 occurrence at 1 site

- **NA – Sandia National Laboratories -SS (Significance Category 3).** On September 20, 2007, a contractor at the 6000 Area Well Work Project was observing the replacement of a well packer when one of two pipe wrenches slipped, causing the second pipe wrench to strike the contractor, and fracturing his elbow. He was taken to the medical facility, treated and returned to the Carlsbad office with the elbow packed and immobilized.

Industrial Hygiene Exposure – 1 occurrence at 1 site

- **EM – Idaho National Laboratory (Significance Category 3).** On September 25, 2007, a Hazard Reduction Technician (HRT) experienced breathing distress and disorientation while constructing a containment tent in the Materials Test Reactor building basement at the same time other technicians were plasma cutting through a section of one-half inch steel plate. The plasma arc fumes were being discharged into the basement area. Emergency response personnel were contacted and the building was evacuated. Three other HRTs also reported minor symptoms. None of the affected personnel were wearing respiratory protection.

Shipping-Quality Assurance - 1 occurrence at 1 site

- ***EM – Portsmouth Gaseous Diffusion Plant (Significance Category 3).*** On September 20, 2007, the driver of a truck hauling a shipment of low-level radioactive waste from the Portsmouth Site to the Nevada Test Site (NTS) deviated from the route plan and passed through a prohibited area in North Las Vegas, Nevada. The driver self reported the incident upon arrival at the NTS. All shipments from Portsmouth were stopped pending resolution of this issue.

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	2	1	1	4	3
Near Miss	1	2	1	4	4
Authorization Basis	1	2	0	3	2
Radiological Concerns	0	2	1	3	3
Environmental	1	0	0	1	1
Fire Safety	0	1	0	1	1
Shipping/Quality Assurance	1	0	0	1	1
Criticality Concerns	1	0	1	2	2
Industrial Operations	0	0	0	0	0
Conduct of Operations	2	0	0	2	2
Electrical Safety	0	0	0	0	0
Vehicle Accident	0	0	0	0	0
Equipment Failures	0	1	0	1	1
Safeguards and Security	0	0	0	0	0
Suspect & Counterfeit Parts	0	3	1	4	2
Other	0	0	0	0	0
Total	9	12	5	26	

Secretarial Office Summary

National Nuclear Security Administration	12 occurrences	(7 sites)
Office of Environmental Management	6 occurrences	(4 sites)
Office of Nuclear Energy, Science and Technology	2 occurrences	(1 site)
Office of Science	5 occurrences	(5 sites)
Office of Civilian Radioactive Waste Management	1 occurrence	(1 site)