

Summary Report of Occurrences Reviewed

From May 21 – 25, 2007

Summary: 26 occurrences at 12 sites reviewed during this period.

Significant Occurrences (7)

Radiological Uptake -1 occurrence at 1 site

- **EM – Nevada Test Site (Significance Category 3).** On May 24, 2007, preliminary results indicate 6 workers received internal exposures from plutonium, estimated at less than 500 mRem Committed Effective Dose Equivalent (CEDE) while disassembling piping as part of a borehole plugging operation. No external doses were indicated.

Near Misses – 2 occurrences at 2 sites

- **EM – Office of River Protection (Significance Category 3).** On May 16, 2007, an ironworker operating an articulating boom lift struck an electrical distribution box with the boom as it was descending, but there was no electrical sparking and the circuit breaker did not trip.
- **SC – Argonne Site Office (Significance Category 3).** On May 17, 2007, an employee taking measurements snagged the tip of a metal-cased tape measure on a surface-mounted 110 volt receptacle box that caused sparking, tripped the breaker, and damaged the receptacle. No injury occurred.

Industrial Operations – 1 occurrence at 1 site

- **EM – Office of River Protection (Significance Category 4).** On May 16, 2007, a crane outrigger pad punched through the compact gravel road and the crane tilted while lifting a waste onto a rail car. The crane operator set the waste box down on a chain link fence section, causing minor damage to the fence. The box and crane experienced no damage and there was no release of radioactive material.

Environmental Compliance – 3 occurrences at 2 sites

- **EM – Hanford Site (Significance Category 4).** On May 10, 2007, the Washington State Department of Ecology sent a notice of violation stating that Washington Closure Hanford and the Richland Operations Office had two violations of the Hanford RCRA permit. The alleged violations included a spill of 67 gallons of diesel fuel in the Hanford 183-N Demolition Areas that was reported late, and an earlier, smaller spill that was not reported. Also, the spills were not mitigated immediately as required by the RCRA permit.
- **EM – Hanford Site (Significance Category 3).** On May 17, 2007, two containers of mercury-contaminated soil were inadvertently buried at the Hanford Environmental Restoration Disposal Facility (ERDF) without undergoing the required mercury treatment. The mistake was found when a third container of mercury-contaminated soil in the staging area had an On-Site Waste Tracking Form (OWTF) stating that mercury treatment was required. The area where the untreated mercury waste was buried was isolated using ropes and flag.
- **EM – Office of River Protection (Significance Category 4).** On May 21, 2007, the Washington State Department of Ecology issued a Notice of Violation to the Office of River Protection and CH2M Hill based on a March 2007 finding involving noncompliance with the temporary waste transfer line management plan for the Hanford Tank Farms. Installed hose-in-hose transfer lines are not being removed per the schedule in the management plan.

Other Occurrences (22). 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	0	3	3	6	6
Near Miss	1	0	1	2	2
Authorization Basis	1	1	0	2	2
Radiological Concerns	2	1	2	5	4
Environmental	4	0	0	4	3
Fire Safety	1	0	0	1	1
Shipping/Quality Assurance	0	0	0	0	0
Criticality Safety	0	0	0	0	0
Industrial Operations	1	0	0	1	1
Conduct of Operations	0	0	0	0	0
Electrical Safety	0	2	0	2	1
Vehicle Accidents	0	0	0	0	0
Equipment Failures	2	1	0	3	3
Safeguards and Security	0	0	0	0	0
Suspect & Counterfeit Parts	0	0	0	0	0
Other	0	0	0	0	0
Total	12	8	6	26	

Secretarial Office Summary

National Nuclear Security Administration	8 occurrences	(3 sites)
Office of Environmental Management	10 occurrences	(6 sites)
Office of Science	6 occurrences	(3 sites)
Office of Nuclear Energy Science and Technology	2 occurrences	(2 sites)