

Summary Report of Occurrences Reviewed

From July 16 – 20, 2007

Summary: 38 occurrences at 15 sites reviewed during this period.

Significant Occurrences (9)

Injury – 2 occurrences at 2 sites

- **EM – Paducah Gaseous Diffusion Plant (Significance Category 3).** On July 12, 2007, an employee was struck and knocked down by a forklift while crossing an intersection. The injured employee was initially transported to a local hospital and subsequently airlifted to Vanderbilt Hospital in Nashville, TN to be evaluated by specialists for potential joint and circulatory damage. The Vanderbilt staff determined that the circulation was not impaired.
- **MA – Department of Energy Headquarters (Significance Category 3).** On July 16, 2007, an employee collapsed in his office at work while meeting with a coworker. Another employee began CPR while emergency personnel and the Health Unit were contacted. The employee was unresponsive. A defibrillator was applied by the Health Unit nurse, as well as by emergency personnel, and the employee was transported to a local hospital by ambulance.

Near Misses – 2 occurrences at 2 sites

- **NE– Idaho National Laboratory (Significance Category 2).** On July 14, 2007, a fire truck responding to a wildland fire with four personnel onboard contacted an energized 69-kV overhead line which had become disconnected from the transmission line and was hanging ten feet above the ground. The resultant electrical shock blew the antenna off the truck and knocked two firemen to the ground. The driver put the truck in reverse and backed clear of the line. He then rendered assistance to the firefighters on the ground, who were coherent. The two firemen were evaluated at Eastern Idaho Regional Medical Center and released without restrictions. The local utility de-energized the power line. The fire was extinguished.
- **SC – Brookhaven National Laboratory (Significance Category 4).** On July 12, 2007, a four-employee ground crew was cutting down trees when a tree inadvertently fell in the wrong direction and came to rest leaning against an energized overhead 2,400-volt power transmission lines shorting out two lines and interrupting power to a nearby building. There were no personnel injuries. Work was stopped, and the employees exited the area. Subsequently, the overhead lines were de-energized, the tree was removed, and power was restored.

Industrial Hygiene Exposure – 3 occurrences at 2 sites

- **NA – Los Alamos National Laboratory (Significance Category 3).** On July 11, 2007, two subcontract workers using jackhammers on concrete at a construction site were exposed to airborne silica above OSHA permissible exposure limit (PEL) and time weighed average (TWA) limits. The workers were not wearing respiratory protection.
- **NA – Los Alamos National Laboratory (Significance Category 3).** On July 11, 2007, a worker performing a vacuum pump replacement inhaled a small amount of residual tungsten-hexafluoride vapor while disconnecting the pump's upstream line, causing irritation to his nasal system. After the line was secured, three workers present in the laboratory, exited the facility and went to the occupational medicine facility for medical evaluation. The area was ventilated.
- **NA – Sanida National Laboratory (Significance Category 3).** On July 17, 2007, three individuals working at SNL Fleet Services exceeded the American Conference of Government Industrial Hygienists (ACGIH) 9-hour Threshold Limit Value (TLV) for noise. This was determined after reading noise dosimeter instruments worn by the affected employees. No hearing protection was being worn.

Electrical Safety – 1 occurrence at 1 site

- **NA – Los Alamos National Laboratory (Significance Category 2).** On June 28, 2007, a fireman received a mild shock when he touched the control panel of a Maytag Jetclean II dishwasher. The dishwasher was placed out of service pending inspection and repair. Investigation found another fireman had

previously experienced a mild shock from the dishwasher. Electricians pulled out the dishwasher and observed water on the floor under the dishwasher, and that the wire nuts connecting the cord to the junction box had fallen off onto the kitchen floor. Repairs were made and the dishwasher was returned to service. No injuries resulted from this event.

Environmental Compliance – 1 occurrence at 1 site

- **NE – Idaho National Laboratory (Significance Category 4).** On July 11, 2007, Battelle Energy Alliance (BEA) personnel received a draft Consent Agreement and Final Order (CAFO) from the U.S. Environmental Protection Agency (EPA) with a proposed civil penalty of \$153,200 alleging that a spill of polychlorinated biphenyls (PCBs) occurred in July 2006 following removal of an oily cable from a conduit at the Power Plant Building of the Material Fuels Complex. This cable removal resulted in contamination of ten locations at the Laboratory and four employee's clothing that resulted in further contamination of their vehicles and residences. Further, the CAFO alleges that these releases continued from one to 30 days before the PCBs were cleaned up. BEA personnel informed EPA of its intention to engage in discussions of the alleged violations, proposed penalty, and terms of potential settlement.

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	6	0	8	4
Near Miss	2	0	1	3	3
Authorization Basis	5	0	1	6	4
Radiological Concerns	1	0	0	1	1
Environmental	1	1	0	2	2
Fire Safety	2	0	0	2	2
Shipping/Quality Assurance	1	0	0	1	1
Criticality Safety	1	0	0	1	1
Industrial Operations	0	0	0	0	0
Conduct of Operations	3	1	1	5	4
Electrical Safety	0	2	0	2	1
Vehicle Accidents	0	0	0	0	0
Equipment Failures	1	3	0	4	4
Safeguards and Security	0	0	0	0	0
Suspect & Counterfeit Parts	2	0	0	2	2
Other	0	0	1	1	1
Total	21	13	4	38	

Secretarial Office Summary

National Nuclear Security Administration	13 occurrences	(4 sites)
Office of Environmental Management	15 occurrences	(7 sites)
Office of Science	4 occurrences	(2 sites)
Office of Nuclear Energy	4 occurrences	(1 site)
Office of Fossil Energy	1 occurrence	(1 site)
Office of Management (DOE Headquarters)	1 occurrence	(1 site)