

## Summary Report of Occurrences Reviewed

### *From February 5 – 9, 2007*

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

#### **Significant Occurrences (5)**

##### **Occupational Safety/Industrial Hygiene – 1 occurrence at 1 site**

- **Los Alamos National Laboratory (Significance Category 3).** On February 1, 2007, a potential overexposure to carbon monoxide fumes was identified during a two-day period in January. Two propane heaters had been used to heat spaces during work. Carbon monoxide testing was performed and exceeded the 25 ppm eight-hour time-weighted average limit on one day. One worker experienced headaches and was medically tested, but results did not indicate exposure. Management has restricted the use of the propane heaters to off-work hours.

##### **Electrical Safety – 1 occurrence at 1 site**

- **Los Alamos National Laboratory (Significance Category 3).** On February 5, 2007, an employee replacing the deionized water in a laser cooling system observed an electric arc when the service panel was removed and came into contact with a grounded piece of equipment. This task requires the laser to be energized to ensure the proper fill level. The laser is mounted on a rubber wheels and is not grounded. The employee was not in contact with the service panel when the arc occurred.

##### **Environmental Compliance – 1 occurrence at 1 site**

- **Stanford Linear Accelerator Center (Significance Category 3).** On February 6, 2007, a hazardous chemical spill of approximately 10-15 gallons of sulfuric acid and water (pH of ~ 2) occurred in a cooling tower chemical treatment hut when the hut's tertiary containment system failed. There were no personnel injuries or off-site releases.

##### **Near Misses – 1 occurrence at 1 site**

- **Nevada Test Site (Significance Category 3).** On February 7, 2007, an employee was using a 1000-volt Fluke voltmeter to check the voltage inside the control panel to a down-hole submersible pump when the voltmeter unexpectedly failed (smoke began emanating from the meter) and his wireman's gloves received minor smoke damage. The circuit was energized at 2,400 volts nominal rather than the expected 480 volts assumed by the employee. There were no injuries.

##### **Suspect/Counterfeit Items – 1 occurrence at 1 site**

- **Nevada Test Site (Significance Category 3).** On February 7, 2007, an installed suspect/counterfeit (S/C) tail-rotor control walking beam (lever assembly) was identified during scheduled maintenance of a Bell helicopter. This flight-critical part was not marked with a Bell part number or serial number, as required. A second Bell helicopter was found with the same condition. The manufacturer confirmed the parts should have been marked with the part number. Both S/C parts were removed from service. *[This is considered a positive event because of the actions taken by the Nevada contractor to address this flight safety concern.]*

##### **Other Trends of Interest:**

- **Suspect Drums.** Three DOE sites (Savannah River, Nevada Test Site and Paducah) have reported test data deficiencies for DOT UN certified drums furnished by Skolnik Industries, Inc. within the last two weeks. Specifically, only one sample drum was tested per type rather than three as required by DOT and for two drum types, recertification dates had expired. Further review of documentation has shown that the periodic retest for the two packing types had not expired. Upon recommencement of manufacturing activities for the two designs, the appropriate UN design qualification tests were performed by the manufacturer. The stack test certification is still pending. DOT has verbally approved the stack test certifications, and Skolnik is awaiting the final draft of the approval. Owners of impacted drums will need to maintain copies of the waiver as long as the drums are in use for transport. *[This is considered a positive trend because of the use of operating experience by the sites.]*

**Other Occurrences (21).** 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	1	0	2	2
Near Miss	0	1	0	1	1
Authorization Basis	3	2	0	5	4
Radiological Concerns	2	1	0	3	2
Environmental	0	0	1	1	1
Fire Safety	1	0	0	1	1
Shipping/Quality Assurance	0	0	0	0	0
Criticality Safety	2	0	0	2	2
Industrial Operations	0	0	0	0	0
Conduct of Operations	1	1	0	2	2
Electrical Safety	1	3	0	4	3
Vehicle Accidents	1	0	0	1	1
Equipment Failures	1	1	0	2	2
Safeguards and Security	0	0	0	0	0
Suspect & Counterfeit Parts	1	1	0	2	2
<b>Total</b>	<b>14</b>	<b>11</b>	<b>1</b>	<b>26</b>	

**Secretarial Office Summary**

National Nuclear Security Administration	11 occurrences	(4 sites)
Office of Environmental Management	13 occurrences	(7 sites)
Office of Science	1 occurrence	(1 site)
Office of Nuclear Energy	1 occurrence	(1 site)