

Summary Report of Occurrences Reviewed From January 7 – 11, 2008

Summary: 26 occurrences at 14 sites reviewed during this period.

Significant Occurrences (3)

Injury – 1 occurrence at 1 site

- **NA – Y12 National Security Complex (Significance Category 3).** On January 4, while attempting to lift a pump weighing approximately 1,500 pounds with an overhead crane, a lifting fixture broke free and struck a rigger above the left eyebrow. The impact to the rigger's safety glasses resulted in a laceration to the left eyebrow that required medical treatment and four sutures. A large choker had been placed around the pump body, which was wrapped in plastic, and attached to the overhead crane. A 6-foot choker was doubled through a lifting eye on top of the pump and attached to a forklift below-the-fork lifting fixture safety hook, to help steady the pump as it transitioned from vertical to horizontal to be placed on a pallet. As the crane lifted one side of the pump, the choker slipped and the pump fell back upright causing the lifting fixture to detach from the forklift fork and hit the rigger 3 feet away. The work was stopped and the incident scene was secured pending further investigation. After treatment, the rigger was released with no work restrictions.

Radiological Control – 1 occurrence at 1 site

- **NA – Los Alamos National Laboratory (Significance Category 3).** On January 7, a technician was discovered still in the exclusion area while an iridium-192 radioactive source was exposed to radiograph plutonium parts for possible voids or cracks. When the radiographer realized that a person was still in the exclusion area, the source was retracted and the technician exited the room. The source, which has a dose rate of 56 Rem/hr at 1 meter, was only exposed for approximately 15 seconds. The source is normally exposed for 32 minutes during the shot. The technician's personnel dosimeter read less 1 mrem and the thermoluminescent dosimeter showed no detectable dose. A critique was held. The procedure used to ensure personnel were not in the area during radiography had not been updated to reflect new engineering controls.

Suspect/Counterfeit Items – 1 occurrence at 1 site

- **NA – Sandia National Laboratory (Significance Category 4).** On January 7, during assembly of a Neutron Time of Flight diagnostic, a swivel hoist ring on a 1,100-pound shielding component was found to be damaged following final placement. Upon inspection, it was discovered that the shoulder pin which joins the swivel hoist to the shielding component was broken. Each swivel hoist ring is rated for 2,500 pounds. It appeared that the bail of the ring (pin) had pulled out from the ring assembly base from previous misuse and had been reattached with epoxy. The swivel hoist ring was removed from service and all swivel hoist rings associated with the diagnostic were inspected. If the pin had not come loose, there was no way to tell the item had been broken and put back into service. It is unknown where and when the ring was damaged. The rings were purchased specifically for this diagnostic equipment in October 07, by NSTec, who designed and built the diagnostic equipment at the Nevada Test Site. A critique was held.

Other Occurrences (23). 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	2	0	4	4
Near Miss	1	0	0	1	1
Authorization Basis	0	3	0	3	1
Radiological Concerns	4	1	0	5	3
Environmental	0	0	0	0	0
Fire Safety	0	0	0	0	0
Shipping/Quality Assurance	1	0	0	1	1
Criticality Concerns	0	0	0	0	0
Industrial Operations	1	0	0	1	1
Conduct of Operations	2	0	1	3	3
Electrical Safety	2	1	0	3	3
Vehicle Accident	0	0	0	0	0
Equipment Failures	2	2	0	4	4
Safeguards and Security	0	0	0	0	0
Suspect & Counterfeit Parts	0	1	0	1	1
Other	0	0	0	0	0
Total	15	10	1	26	

Secretarial Office Summary

National Nuclear Security Administration	10 occurrences	(5 sites)
Office of Environmental Management	14 occurrences	(7 sites)
Office of Nuclear Energy, Science and Technology	1 occurrence	(1 site)
Office of Science	1 occurrence	(1 site)