

Summary Report of Occurrences Reviewed *From December 3 – 7, 2007*

Summary: 24 occurrences at 14 sites reviewed during this period.

Significant Occurrences (3)

Criticality Safety – 1 occurrence at 1 site

- **EM – East Tennessee Technology Park, K-25 D&D Project (Significance Category 2).** On December 3, work crews discovered several incidents of water in the process system in the East wing of the K-25 building while drilling holes into process equipment to verify the absence or presence of fissile material prior to removal. The process equipment is expected to be sealed and dry when the inspection begins. The discovery of water in the equipment is a concern from a nuclear criticality standpoint because water is a neutron moderator. The immediate areas of the identified equipment have been designated as a personnel restricted area, and walk downs of the facility are being conducted to determine the water source. Nuclear Criticality Safety Engineers have investigated the issues and issued an Anomalous Condition Report, which questions whether the required double contingency exists for nuclear criticality control because water intrusion into the process gas system can no longer be controlled in the current configuration.

Near Misses – 1 occurrence at 1 site

- **NA – Sandia National Laboratory (Significance Category 3).** On December 3, a contract worker stepped on a triangular deck plate covering an empty water tank and it gave way. The worker extended both arms to catch both sides of the opening to stop the fall, and then got a foothold on the Pulse Forming Line hardware beneath. Had the worker not stopped the fall, the drop would have been approximately 10 feet. The worker suffered minor injuries, a small laceration on the wrist, and some minor swelling. The area was taped off to block access and to facilitate the investigation. Additionally, other hinge plate areas were barricaded.

Fire Safety – 1 occurrence at 1 site

- **NA – Y12 National Security Complex (Significance Category 3).** On December 2, firefighters from the Y-12 fire department responded to a smoke alarm in building 9720-41. They extinguished the fire within 62 minutes of alarm activation. Approximately 8 hours later, firefighters again had to respond and extinguish a fire after the fire patrol noticed cardboard boxes stored on shelves within the building had rekindled. The area has been secured pending an investigation. The metal building was being used to store spill response equipment and supplies, including absorbent mats, rubber gloves and boots, protective suits, portable lights, lime, vermiculite, two portable generators, and other tools. While the interior of the building sustained some damage, most of the building contents were destroyed. There were no injuries.

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	2	0	0	2	2
Near Miss	0	1	0	1	1
Authorization Basis	0	0	0	0	0
Radiological Concerns	3	0	1	4	3
Environmental	1	1	0	2	2
Fire Safety	0	4	1	5	3
Shipping/Quality Assurance	0	1	0	1	1
Criticality Concerns	1	0	0	1	1
Industrial Operations	1	0	0	1	1
Conduct of Operations	0	2	0	2	2
Electrical Safety	1	0	0	1	1
Vehicle Accident	0	0	0	0	0
Equipment Failures	2	0	1	3	2
Safeguards and Security	0	0	0	0	0
Suspect & Counterfeit Parts	0	1	0	1	1
Other	0	0	0	0	0
Total	11	10	3	24	

Secretarial Office Summary

National Nuclear Security Administration	10 occurrences	(5 sites)
Office of Environmental Management	8 occurrences	(5 sites)
Office of Energy Efficiency and Renewable Energy	1 occurrence	(1 site)
Office of Management	1 occurrence	(1 site)
Office of Nuclear Energy, Science and Technology	1 occurrence	(1 site)
Office of Science	3 occurrences	(1 site)