

Summary Report of Occurrences Reviewed ***From November 26 – 30, 2007***

Summary: 18 occurrences at 8 sites reviewed during this period.

Significant Occurrences (5)

Injury – 1 occurrence at 1 site

- **NA – Pantex Plant (Significance Category 3).** On November 21, yardworkers and a light equipment operator were attempting to rotate a 1,154-pound aluminum shoring box to allow it to be lifted and placed into an excavation trench. During the rotation, the operator, who was holding onto one of two screw jacks, which provide support on the open side of the shoring box, failed to release his grasp and was lifted off the ground. When he finally let go, he fell approximately 7 feet onto the center panel of the shoring box, landing on his back. He was momentarily knocked unconscious. Emergency Medical Technicians arrived, stabilized the injured operator, and transported him by ambulance to a local hospital. A critique was conducted.

Radiological Control / External Exposure – 1 occurrence at 1 site

- **NA – Los Alamos National Laboratory (Significance Category 3).** On November 16, unusual extremity dosimetry readings on multiple personnel were noted within the Plutonium Manufacturing and Technology, Actinide Process Chemistry Group. Within the past 3 months, process through-put had increased and operations had changed. Whole-body dosimetry readings in September and October of 2007 for increased radioactive material handling showed a reasonable increase but the extremity dosimetry readings showed a very large increase that was not expected. The apparent October extremity dose for the highest exposed Actinide Process Chemistry Group individual is the largest monthly dose observed in the previous 10 years and over five times the average of the highest monthly extremity doses for this organization. The Health Physics Measurements Group will continue to evaluate the dose calculations and will prepare an official dose report.

Environmental Compliance – 3 occurrences at 1 site

- **EM – Carlsbad Field Office, WIPP (Significance Category 3).** On November 26, the DOE Carlsbad Field Office informally received Compliance Order number HWB 07-43 from the New Mexico Environment Department (NMED), regarding a misidentified drum that was included in a Standard Waste Box (SWB) that was shipped to the Waste Isolation Pilot Plant (WIPP) from the Advanced Mixed Waste Treatment Plant (AMWTP) in June of 2007. After the shipment was emplaced for disposal at WIPP, AMWTP personnel discovered the error and notified WIPP. WIPP notified NMED of the non-compliance in a written notification and was then ordered by NMED to removal the SWB from the repository. WIPP retrieved the SWB from the underground disposal area, and shipped it back to AMWTP. The Carlsbad Field Office and Westinghouse TRU Solutions are reviewing the compliance order, which has a proposed civil penalty of \$110,700.
- **EM – Carlsbad Field Office, WIPP (Significance Category 3).** On November 26, the DOE Carlsbad Field Office informally received Compliance Order number HWB 07-43 from the New Mexico Environment Department (NMED), which alleges that hazardous waste was stored and disposed without following the written waste analysis plan. The order also directs

that a plan be developed to remove all waste subject to the compliance order from the underground unless technical justification can be provided that demonstrates that the waste poses no elevated risk to human health and the environment. The Carlsbad Field Office and Westinghouse TRU Solutions are reviewing the compliance order, which has a proposed civil penalty of \$847,000.

- ***EM – Carlsbad Field Office, WIPP (Significance Category 4).*** On November 26, the DOE Carlsbad Field Office informally received a Notice of Violation (NOV) concerning alleged deficiencies in WIPP’s groundwater monitoring program. The NOV cites deficiencies in training for Environmental Monitoring personnel; discrepancies in well monitoring; failure to develop procedures for the groundwater level monitoring program; and unspecified data quality criteria that is reported to the NMED. The Carlsbad Field Office and Westinghouse TRU Solutions are reviewing the NOV, which has a proposed civil penalty of \$8,520.

Other Occurrences (13). 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	2	0	3	3
Near Miss	0	0	0	0	0
Authorization Basis	0	1	0	1	1
Radiological Concerns	1	1	1	3	3
Environmental	3	2	0	5	2
Fire Safety	0	1	0	1	1
Shipping/Quality Assurance	0	0	0	0	0
Criticality Concerns	0	0	0	0	0
Industrial Operations	0	0	0	0	0
Conduct of Operations	0	2	0	2	2
Electrical Safety	0	0	1	1	1
Vehicle Accident	0	0	0	0	0
Equipment Failures	1	1	0	2	2
Safeguards and Security	0	0	0	0	0
Suspect & Counterfeit Parts	0	0	0	0	0
Other	0	0	0	0	0
Total	6	10	2	18	

Secretarial Office Summary

National Nuclear Security Administration	10 occurrences	(4 sites)
Office of Environmental Management	6 occurrences	(2 sites)
Office of Science	2 occurrences	(2 sites)