

Summary Report of Occurrences Reviewed From October 3 – 7, 2011

Summary: 26 occurrences at 13 sites reviewed during this period.

Occurrences of Significant Interest (1)

Radiological Control – 1 occurrence at 1 site

- SC – Brookhaven National Laboratory (Significance Category 2).** On September 28, a radiological control technician (RCT) assigned to the Collider-Accelerator Department discovered radioactive contamination on the floor of an RCT's truck that was used to transport a sealed source containing 265 microcuries of cesium-137. The sealed source is transported in a shielded container (pig), which tipped over inside the truck earlier in the day. Contamination was discovered in the parking lot near the RCT's truck, Building 923 hallway, the room where the source is stored, and on equipment the source came in contact with. On September 29, contamination was discovered on the passenger floor of a personal vehicle. Contamination was also discovered on the RCT's shoes, another vehicle used by RCTs, and on a personal vehicle owned by another BNL worker who transported an RCT to lunch. Contamination was localized to the passenger side floor and ranged between 2,000 and 6,700 dpm per probe area (20 cm²). The radiation monitors recently tested with the source were found to have localized surface contamination on their housing. An investigation is ongoing. Radiation surveys and smear surveys were performed on workers and equipment. The contaminated areas and vehicles were secured or decontaminated. The failed source was double packaged and sent for forensic examination.

Other Occurrences (25). 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	1	1	4	4
Near Miss	0	0	0	0	0
Authorization Basis	1	1	0	2	2
Radiological Concerns	1	3	1	5	5
Environmental	1	0	1	2	2
Fire Safety	0	0	0	0	0
Shipping / Quality Assurance	0	2	0	2	2
Criticality Concerns	0	0	0	0	0
Industrial Operations	0	0	0	0	0
Conduct of Operations / LOTO	3	0	1	4	3
Electrical Safety	0	0	2	2	2
Vehicle Accident	0	0	0	0	0
Equipment Failures	0	0	1	1	1
Safeguards and Security	0	0	0	0	0
Suspect & Counterfeit Parts	1	3	0	4	4
Other	0	0	0	0	0
Total	9	10	7	26	

ORPS Significance Categories	OE	SC1	SC2	SC3	SC4	R
Totals for the Week:	0	0	3	10	12	1

Secretarial Office Summary

National Nuclear Security Administration	10 occurrences	(4 sites)
Office of Environmental Management	5 occurrences	(3 sites)
Office of Fossil Energy	1 occurrence	(1 site)
Office of Nuclear Energy	3 occurrences	(1 site)
Office of Science	7 occurrences	(4 sites)