

Summary Report of Occurrences Reviewed From September 17 – 21, 2007

Summary: 34 occurrences at 14 sites reviewed during this period.

Significant Occurrences (5)

Criticality Safety – 1 occurrence at 1 site

- **NE – Idaho National Laboratory (Significance Category 2).** On September 13, 2007, during D&D operation of two fuel processing hoods at the Fuel Manufacturing Facility, initial assay measurements on two HEPA filters revealed the possibility of a hold-up quantity exceeding the U235 limit for the criticality zone. Confirmatory assay measurements revealed that the hold up quantity on both filters exceeded U235 limits. The Criticality Safety Engineering Manager determined that no possible imminent criticality hazard exists. Operations were restricted and fissionable material movements were prohibited in the area.

Authorization Basis – 2 occurrences at 2 sites

- **EM – Oak Ridge National Laboratory (Significance Category 3).** On September 13, 2007, eleven laboratory hoods in Building 3019A were sampled for potential perchlorate contamination. Two of the hoods had measurable amounts of perchlorate contamination, with the highest sample showing 690 ppm. The Facility Manager was notified and the two hoods were posted and taken out of service. A PISA was declared because the Building 3019 Complex Documented Safety Analysis does not specifically identify the presence of perchlorates in the laboratory hoods.
- **NA - Los Alamos National Laboratory, (Significance Category 3).** On September 14, 2007, a potential inadequate safety analysis was identified after discovering that workers at TA-54 Area G vented a 55-gallon drum without a filter in the lid. Venting of drums without a filter in the lid is not an analyzed operation for Area G, and is not authorized. Workers were required to be retrained prior to resumption of operations.

Conduct of Operations – 1 occurrence at 1 site

- **NA – Los Alamos National Laboratory (Significance Category 4).** On September 14, 2007, two Standard Waste Boxes (SWB's) at TA-54 Area G were identified as containing radioactive waste that exceeded the Technical Safety Requirement (TSR) limit of 1100 plutonium equivalent curies (PECi). One container was found to have 1175 PECi and the other contained 1134 PECi. The Operations Manager entered a Limiting Condition of Operation (LCO), the area around the SWB's was isolated, and operations in the area were stopped. Safety Basis staff believe that the procedure did not require workers to note the PECi level for the individual drums or drums combined in the SWB's.

Other Safety Issues - 1 occurrence at 1 site

- **FE – New Orleans Site, SPR Project Office (Significance Category 4).** On September 12, 2007, all Strategic Petroleum Reserve sites were placed at hurricane alert level 1 in preparation for hurricane Humberto, a Category 1 hurricane. All sites conducted hurricane alert level 1 meetings and completed alert level 1 checklists. Site personnel at Big Hill, West

Hackberry and Bayou Choctaw, sheltered in place while the storm passed during the night. A walk-around visual assessment performed afterwards indicated minor damage at Big Hill.

Other Occurrences (29). 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	0	0	1	1
Near Miss	0	1	0	1	1
Authorization Basis	3	2	0	5	4
Radiological Concerns	1	1	0	2	2
Environmental	0	2	0	2	2
Fire Safety	1	0	1	2	2
Shipping/Quality Assurance	0	0	0	0	0
Criticality Concerns	1	0	0	1	1
Industrial Operations	1	0	0	1	1
Conduct of Operations	2	1	0	3	3
Electrical Safety	2	0	1	3	3
Vehicle Accident	0	0	0	0	0
Equipment Failures	2	1	1	4	4
Safeguards and Security	0	0	0	0	0
Suspect & Counterfeit Parts	4	4	0	8	3
Other	1	0	0	1	1
Total	19	12	3	34	

Secretarial Office Summary

National Nuclear Security Administration	12 occurrences	(3 sites)
Office of Environmental Management	13 occurrences	(6 sites)
Office of Nuclear Energy, Science and Technology	4 occurrences	(1 site)
Office of Science	3 occurrences	(2 sites)
Office of Fossil Energy	1 occurrence	(1 site)
Office of Legacy Management	1 occurrence	(1 site)