

Summary Report of Occurrences Reviewed From July 5 – 9, 2010

Summary: 12 occurrences at 9 sites reviewed during this period.

Occurrences of Significant Interest (2)

Worker Fatality – 1 occurrence at 1 site

- **FE – Strategic Petroleum Reserve, Bryan Mound Site (Significance Category 1).** On July 8, a worker collapsed during the cleaning of Crude Oil Storage Tank #2 at the Bryan Mound Site. Following the administration of CPR, the worker was transported by ambulance to a local hospital and was pronounced dead by emergency room doctors. Site personnel have secured the tank area for investigation. It was noted that air quality readings have been within safe parameters for approximately a week, Oxygen levels were normal with slight Benzene levels being recorded. New Orleans DOE personnel are coordinating with DOE HQ safety personnel to determine what type of accident investigation is appropriate. It has not yet been determined if this incident is the result of an accident or if this is a medical condition that is not job related.

Electrical Safety – 1 occurrence at 1 site

- **NA – Los Alamos National Laboratory (Significance Category 3).** On July 1, during a routine 5-year transformer preventive maintenance (PM), a lineman inadvertently left a shunt strap in place when electrical power was applied, causing a phase to phase arc on the 480-volt (secondary side) of a 13,200/480-volt transformer of the Secondary Unit Substation H (SUS-H). The fault caused switch 2181 (a feed to SUS-H) to lose power, resulting in a loss of power to some computers in the Strategic Computing Complex. Linemen had completed the PM on the locked and tagged system and were ready to power up the SUS-H; however, the shunt strap, which was used to conduct power factor testing (Doble test) on the transformer, was still installed. The linemen unlocked and removed the tags from the primary switch on 2180, which feeds switch 2181, and were in the process of energizing when the short occurred. The linemen noticed that switch 2180 did not close and notified Utilities Power Control Central. The linemen locked out 2180, re-entered the building and discovered the burnt shunt. Power was restored to the building and computing capabilities (excluding SUS-H). A compensatory measure of a "step-by-step use every time procedure" is being developed.

Other Occurrences (10). 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	3	0	0	3	3
Near Miss	0	0	0	0	0
Authorization Basis	0	1	0	1	1

Occurrence Category	Number of Occurrences				Number of Sites
	E&E	NNSA	SC	DOE Total	
Radiological Concerns	2	0	0	2	2
Environmental	0	0	0	0	0
Fire Safety	0	0	0	0	0
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 / LOTO	1	0	1	2	2
Electrical Safety	0	1	1	2	2
Vehicle Accident	0	1	0	1	1
Equipment Failures	1	0	0	1	1
Safeguards and Security	0	0	0	0	0
Suspect & Counterfeit Parts	0	0	0	0	0
Other	0	0	0	0	0
Total	7	3	2	12	

ORPS Significance Categories	OE	SC1	SC2	SC3	SC4	R
Totals for the Week:	0	1	0	7	3	1

Secretarial Office Summary

National Nuclear Security Administration	3 occurrences	(3 sites)
Office of Environmental Management	5 occurrences	(3 sites)
Office of Fossil Energy	1 occurrence	(1 site)
Office of Nuclear Energy	1 occurrence	(1 site)
Office of Science	2 occurrences	(1 site)