

Summary Report of Occurrences Reviewed From November 16 – 20, 2009

Summary: 23 occurrences at 13 sites reviewed during this period.

Occurrences of Significant Interest (2)

Near Miss – 1 occurrence at 1 site

- **NA – Los Alamos National Laboratory Significance Category 2).** On November 17, a qualified electrical Rosendin Electric worker received a high-hazard (277 volts) electrical shock in the Radiological Laboratory Utility Office Building while installing a ceiling tile around an existing junction box that was mounted on a ceiling grid. He was approximately 6-feet high on an 8-foot fiberglass ladder with his head above the ceiling tile and his arms leaning against the metal ceiling grid. The worker discovered the junction box was too large for the hole cut in the ceiling tile so he removed the junction box and placed it on the metal ceiling grid. He then felt a tingling sensation in both arms. The worker did not fall off the ladder. The worker was wearing leather work gloves and a long-sleeved shirt with the sleeves pushed back but was not wearing electrical personal protective equipment. He was escorted to LANL Occupational Medicine, examined and returned to work with no restrictions.

Electrical Safety – 1 occurrence at 1 site

- **NE – Idaho National Laboratory (Significance Category 2).** On November 16, while connecting a battery charger to the 604 battery bank in Building TRA-604, an electrician incorrectly short-circuited the battery bank and caused an electrical arc. The electrician was not wearing personal protective equipment and received burns to both hands. The Work Order did not have a wiring diagram but did give directions to change the 120-cell, 240-volt battery bank to a parallel two 60-cell, 120-volt battery bank so that a 120-volt direct current charger could be connected. The Central Facility Area doctor evaluated the electrician and found first- and second-degree burns over five percent of his hands. He bandaged the electrician's hands, dispensed a pain reliever, and released the electrician to be driven home. Electrical work was stopped and access was secured to the battery room pending the results of a critique.

Other Occurrences (21). See Table (Note: The Table includes the occurrence listed above).

| Occurrence Category | Number of Occurrences | | | | Number of Sites |
|---|-----------------------|------|----|-----------|-----------------|
| | E&E | NNSA | SC | DOE Total | |
| Injury - Industrial Hygiene/Occupational Safety | 0 | 1 | 2 | 3 | 3 |
| Near Miss | 0 | 1 | 0 | 1 | 1 |
| Authorization Basis | 0 | 0 | 0 | 0 | 0 |
| Radiological Concerns | 0 | 1 | 1 | 2 | 2 |
| Environmental | 1 | 0 | 0 | 1 | 1 |
| Fire Safety | 0 | 2 | 0 | 2 | 2 |
| Shipping/Quality Assurance | 0 | 0 | 0 | 0 | 0 |
| Criticality Concerns | 0 | 0 | 0 | 0 | 0 |
| Industrial Operations | 1 | 0 | 0 | 1 | 1 |

| Occurrence Category | Number of Occurrences | | | | Number of Sites |
|-----------------------------|-----------------------|-----------|----------|-----------|-----------------|
| | E&E | NNSA | SC | DOE Total | |
| Conduct of Operations | 1 | 2 | 0 | 3 | 2 |
| Electrical Safety | 1 | 2 | 2 | 5 | 4 |
| Vehicle Accident | 0 | 0 | 0 | 0 | 0 |
| Equipment Failures | 2 | 1 | 0 | 3 | 2 |
| Safeguards and Security | 0 | 0 | 0 | 0 | 0 |
| Suspect & Counterfeit Parts | 1 | 0 | 1 | 2 | 2 |
| Other | 0 | 0 | 0 | 0 | 0 |
| Total | 7 | 10 | 6 | 23 | |

| ORPS Significance Categories | OE | SC1 | SC2 | SC3 | SC4 | R |
|------------------------------|----|-----|-----|-----|-----|---|
| Totals for the Week: | 0 | 0 | 3 | 9 | 9 | 2 |

Secretarial Office Summary

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|--|----------------|-----------|
| National Nuclear Security Administration | 10 occurrences | (4 sites) |
| Office of Energy Efficiency and Renewable Energy | 1 occurrence | (1 site) |
| Office of Environmental Management | 5 occurrences | (2 sites) |
| Office of Nuclear Energy | 1 occurrence | (1 site) |
| Office of Science | 6 occurrences | (5 sites) |