

Summary Report of Occurrences Reviewed From May 17 – 21, 2010

Summary: 35 occurrences at 19 sites reviewed during this period.

Occurrences of Significant Interest (1)

Near Miss – 1 occurrence at 1 site

- ***EM – Paducah Gaseous Diffusion Plant (Significance Category 3).*** On May 15, after two electricians finished pulling three electrical conductors through conduit, both electricians saw and heard arcing at a lower junction box. They immediately fled the area as the arcing continued for approximately 20 seconds. Upon recognizing the situation, a third electrician quickly opened a manual disconnect, which stopped the arcing. Then all three electricians placed single-source locks and tags on the disconnect switch. The electricians had been installing approximately 15 feet of new conductors between two junction boxes that contained energized 480-volt insulated cables. They decided not to use a lockout/tagout because there were no exposed energized parts. Notifications were made and a stop work notice was initiated. A fact finding/critique was held the day of the incident.

Other Occurrences (34). 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 | 3 | 4 | 4 |
| Near Miss | 2 | 1 | 0 | 3 | 3 |
| Authorization Basis | 1 | 6 | 0 | 7 | 5 |
| Radiological Concerns | 1 | 1 | 0 | 2 | 2 |
| Environmental | 1 | 0 | 1 | 2 | 2 |
| Fire Safety | 0 | 0 | 1 | 1 | 1 |
| Shipping/Quality Assurance | 1 | 0 | 0 | 1 | 1 |
| Criticality Concerns | 0 | 0 | 0 | 0 | 0 |
| Industrial Operations | 0 | 1 | 2 | 3 | 3 |
| Conduct of Operations | 4 | 3 | 0 | 7 | 5 |
| Electrical Safety | 1 | 0 | 0 | 1 | 1 |
| Vehicle Accident | 0 | 0 | 0 | 0 | 0 |
| Equipment Failures | 1 | 2 | 1 | 4 | 3 |
| Safeguards and Security | 0 | 0 | 0 | 0 | 0 |
| Suspect & Counterfeit Parts | 0 | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 | 0 |
| Total | 13 | 14 | 8 | 35 | |

| ORPS Significance Categories | OE | SC1 | SC2 | SC3 | SC4 | R |
|------------------------------|----|-----|-----|-----|-----|---|
| Totals for the Week: | 0 | 0 | 3 | 23 | 9 | 0 |

Secretarial Office Summary

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|--|----------------|-----------|
| National Nuclear Security Administration | 14 occurrences | (5 sites) |
| Office of Energy Efficiency and Renewable Energy | 1 occurrence | (1 site) |
| Office of Environmental Management | 10 occurrences | (4 sites) |
| Office of Fossil Energy | 1 occurrence | (1 site) |
| Office of Nuclear Energy | 1 occurrence | (1 site) |
| Office of Science | 8 occurrences | (7 sites) |