

## **Summary Report of Occurrences Reviewed** *From February 11 – 15, 2008*

**Summary:** 28 occurrences at 17 sites reviewed during this period.

### **Significant Occurrences (4)**

#### **Injuries – 1 occurrence at 1 site**

- **NA – Y12 National Security Complex (Significance Category 3).** On February 12, two lower tier subcontract ironworkers and one lower tier subcontract forklift operator were unstacking a banded bundle of 16-foot long W8X24 I-beams with a forklift when one of the two bands that hadn't been cut yet snapped during lifting, causing the beams to roll. When an ironworker attempted to slide the beams back into place on the forks of the forklift, one of the beams rolled off the bundle and landed on the ironworker's left, causing a fracture. He was transported to an off-site medical facility via a privately owned vehicle. This is the second ironworker with the same subcontractor who has suffered an injury within the past month. An apprentice ironworker was in the process of removing a metal shim, when the tool he was using unexpectedly released and struck him in the mouth causing the loss of eight teeth and requiring four stitches.

#### **Criticality Safety – 1 occurrence at 1 site**

- **EM – East Tennessee Technology Park (Significance Category 2).** On February 11, inspectors discovered approximately 1 inch of oily liquid in the bottom of a surge tank during an internal inspection of the tank. Nuclear Criticality Safety (NCS) personnel determined this to be an Anomalous Condition and generated an Anomalous Condition Report (ACR), level 3. NCS also directed that work in the area be stopped and the area posted as an ACR. This occurrence represents a loss of one or more nuclear criticality process-condition controls.

#### **Industrial Operations – 1 occurrence at 1 site**

- **EM – Hanford Site, Remedial Action Projects (Significance Category 4).** On February 11, a sub-tier subcontractor was re-installing two 45-foot long wooden light poles that were not installed at the correct depth the previous week. There was no electrical power to the poles. During the process, a digger/derrick truck with a pole guide (grapppler claw) at the end of a 48-foot extendable boom began to raise the bottom of one light pole when the pole slipped through the fingers of the pole guide and pivoted at the point where the hoist cable and tag lines were attached to the pole. The pole fell in between a pickup truck and a backhoe. Nobody was injured but the flood lights on the top of the pole were destroyed on impact. The accident was caused by equipment failure associated with the age and condition of the digger/derrick, which suffered from inconsistent maintenance and heavy use of the pole guide as a lifting device. The pole guide does not have an assigned lift rating and the truck operator uses the pole guide to assist with the lifting of poles from a horizontal position on the ground, which is outside the equipment's design function.

#### **Fire Protection – 1 occurrence at 1 site**

- **NA – Los Alamos National Laboratory (Significance Category 2).** On February 13, when starting the electric fire-suppression system pump in building PF-10 a small deflagration was observed inside the pump controller. The controller was de-energized for inspection. During

this inspection, natural gas was smelled coming from the conduit feeding power into the controller. Utilities personnel were contacted and detected a gas leak north of building PF-114 by probing the soil where an electrical pull box had been installed. Utilities personnel isolated the leaking gas line and excavated down to the line to make a temporary repair. A damaged communications conduit was also discovered in the excavation. Natural gas service was restored to the site.

**Other Occurrences (24).** 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 | 0                     | 2         | 0        | 2         | 2               |
| Near Miss                                       | 0                     | 0         | 0        | 0         | 0               |
| Authorization Basis                             | 3                     | 1         | 0        | 4         | 4               |
| Radiological Concerns                           | 0                     | 1         | 0        | 1         | 1               |
| Environmental                                   | 1                     | 1         | 0        | 2         | 2               |
| Fire Safety                                     | 1                     | 1         | 0        | 2         | 2               |
| Shipping/Quality Assurance                      | 0                     | 1         | 0        | 1         | 1               |
| Criticality Concerns                            | 2                     | 0         | 0        | 2         | 2               |
| Industrial Operations                           | 1                     | 0         | 0        | 1         | 1               |
| Conduct of Operations                           | 2                     | 2         | 1        | 5         | 4               |
| Electrical Safety                               | 0                     | 2         | 0        | 2         | 2               |
| Vehicle Accident                                | 0                     | 0         | 0        | 0         | 0               |
| Equipment Failures                              | 1                     | 1         | 1        | 3         | 3               |
| Safeguards and Security                         | 0                     | 0         | 0        | 0         | 0               |
| Suspect & Counterfeit Parts                     | 0                     | 1         | 1        | 2         | 2               |
| Other   | 1                     | 0         | 0        | 1         | 1               |
| <b>Total</b>                                    | <b>12</b>             | <b>13</b> | <b>3</b> | <b>28</b> |                 |

### Secretarial Office Summary

|  |                |           |
|--|----------------|-----------|
| National Nuclear Security Administration         | 13 occurrences | (5 sites) |
| Office of Energy Efficiency and Renewable Energy | 1 occurrence   | (1 site)  |
| Office of Environmental Management               | 10 occurrences | (7 sites) |
| Office of Nuclear Energy                         | 1 occurrence   | (1 site)  |
| Office of Science                                | 3 occurrences  | (3 sites) |