

Summary Report of Occurrences Reviewed

From February 19 – 23, 2007

Summary: 18 occurrences at 12 sites reviewed during this period.

Significant Occurrences (4)

Industrial Hygiene – 1 occurrence at 1 site

- **EM – Hanford Site (Significance Category 3).** On February 15, 2007, a subcontractor welder was exposed to hexavalent chromium at $65.5 \mu\text{g}/\text{m}^3$, exceeding the OSHA Permissible Exposure Limit of $5 \mu\text{g}/\text{m}^3$. The welding was performed outside and the welder wore standard welding personal protective equipment, but no respiratory protection. The welder was sent for medical evaluation and returned to work with no restrictions.

Near Misses – 2 occurrences at 2 sites

- **NA – Kansas City Plant (Significance Category 23).** On February 19, 2007, a subcontractor installing fire stop material inadvertently touched an electric buss bar for a hoist with his caulking gun and felt a tingling sensation in his hand, arm, and chest muscle. The worker was not injured.
- **EM – Portsmouth Gaseous Diffusion Plant (Significance Category 3).** On February 15, 2007, a Dewar being filled with liquid nitrogen over-pressurized, ruptured, and the force propelled the Dewar and a coupled detector 70 feet. The person conducting the fill received a small bruise on his arm but did not require medical attention.

Shipping – Quality Assurance – 1 occurrence at 1 site

- **NA – Y-12 Site (Significance Category 3).** On February 13, 2007, BWXT Y-12 received a letter of warning from the U.S. Department of Transportation (DOT) Office of Hazardous Materials Enforcement Southern Region, which was based on the results of an on-site DOT compliance inspection of the cylinder test facility on October 17, 2006. BWXT took action to address the four potential violations which was acknowledged by DOT. The letter of warning was issued in lieu of recommending other actions such as civil penalties or an order directing compliance

Other Occurrences (14). 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 | 1 | 1 | 3 | 3 |
| Near Miss | 1 | 1 | 0 | 2 | 2 |
| Authorization Basis | 0 | 0 | 0 | 0 | 0 |
| Radiological Concerns | 0 | 0 | 2 | 2 | 1 |
| Environmental | 1 | 0 | 0 | 1 | 1 |
| Fire Safety | 1 | 2 | 0 | 3 | 2 |
| Shipping/Quality Assurance | 0 | 2 | 0 | 2 | 1 |
| Criticality Safety | 0 | 0 | 0 | 0 | 0 |
| Industrial Operations | 0 | 0 | 0 | 0 | 0 |
| Conduct of Operations | 1 | 1 | 0 | 2 | 2 |
| Electrical Safety | 0 | 1 | 0 | 1 | 1 |
| Vehicle Accidents | 0 | 0 | 0 | 0 | 0 |
| Equipment Failures | 2 | 0 | 0 | 2 | 2 |
| Safeguards and Security | 0 | 0 | 0 | 0 | 0 |
| Suspect & Counterfeit Parts | 0 | 0 | 0 | 0 | 0 |
| Total | 7 | 8 | 3 | 18 | |

Secretarial Office Summary

National Nuclear Security Administration
Office of Environmental Management
Office of Science
Office of Nuclear Energy

| | |
|---------------|-----------|
| 8 occurrences | (5 sites) |
| 6 occurrences | (5 sites) |
| 3 occurrences | (2 sites) |
| 1 occurrence | (1 site) |