Worker Safety and Health Enforcement Program

David Zwolak

Enforcement Officer
Office of Worker Safety and Health Enforcement
Office of Enterprise Assessments

http://energy.gov/ea/services/enforcement
<table>
<thead>
<tr>
<th>Contractor – Location</th>
<th>Event</th>
<th>Outcome</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nuclear Waste Partnership, LLC - Waste Isolation Pilot Project</td>
<td>Electrical Shock Event</td>
<td>CO</td>
</tr>
<tr>
<td>Bechtel National, Inc. (BNI) - Hanford</td>
<td>Neck Fracture from Water Discharge after Pipe Joint Failure</td>
<td>PNOV</td>
</tr>
<tr>
<td>Savannah River Nuclear Solutions, LLC, Savannah River Site</td>
<td>Retaliation</td>
<td>PNOV</td>
</tr>
<tr>
<td>Los Alamos National Security, LLC, Los Alamos National Laboratory</td>
<td>Low Oxygen Alarm</td>
<td>NOI</td>
</tr>
<tr>
<td>UChicago Argonne, LLC – Argonne National Laboratory</td>
<td>Electrical Burn Events</td>
<td>CO</td>
</tr>
</tbody>
</table>
Nuclear Waste Partnership
WIPP

• Event
  – Electrical Shock Event at Transformer

• Outcome
  – Consent Order

• Issues
  – Hazard Identification and Assessment
  – Hazard Prevention and Abatement
  – Safety and Health Standards
  – Training and Information
Bechtel National, Inc. (BNI) Hanford

• Event
  – Neck Fracture following Pipe Separation

• Outcome
  – PNOV

• Issues
  – Management Responsibilities
  – Hazard Identification and Assessment
  – Hazard Prevention and Abatement
  – Training and Information
  – Recordkeeping
Los Alamos National Security, LLC, Los Alamos National Laboratory

• Event
  – Low Oxygen Alarm Event

• Outcome
  – NOI

• Summary
  – Employee entered the TVAC area while the low oxygen alarm was activated.
Events

– Two Events
  • May 10, 2017 – Hybrid Vehicle Battery
  • July 18, 2017 – Capacitor Event
– Both Events Resulted in Electrical Burns
– Also a Third Event Outside of Part 851
  • July 25, 2017 – Beamline Battery
• Hybrid Vehicle Event
  – Troubleshooting instrumentation installed on a plug-in hybrid electric vehicle’s high voltage battery pack
Capacitor Event

- Testing of 10 kilovolt, 15.5 kilojoule capacitors
UChicago Argonne, LLC – Argonne National Laboratory

• Outcome
  – CO

• Issues
  – Hazard Identification
  – Hazard Prevention
  – Safety and Health Standards
Ten or More Cases Reported in CY17 (as of 1/24/18)

EL (>75% Late)  AN (<75% but >45% Late)

Overall: 56.1% of cases reported >5 days late in CY2017
Fact Finding Visits

• Not Enforcement Actions
  – Events
    • NREL – Cadmium Exposure
    • Idaho Cleanup Project – Magnet Failure
Other

- Electrical Safety
- Emergency Response
- Hierarchy of Controls
- Training and Information
Miscellaneous

• Policy
  – 851 Technical Amendment
  – Walking and Working Surfaces – OSHA Revised Standard

• NTS
  – Issues
  – Notifications