Worker Safety and Health Enforcement Program Update

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http://energy.gov/ea/services/enforcement
## Worker Safety and Health Enforcement Activities

<table>
<thead>
<tr>
<th>Contractor – Location</th>
<th>Event</th>
<th>Outcome</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battelle Energy Alliance - Idaho National Laboratory</td>
<td>High voltage substation electrical arc flash</td>
<td>Consent Order</td>
</tr>
<tr>
<td>UT-Battelle, LLC - Oak Ridge National Laboratory</td>
<td>Ozone exposure</td>
<td>Enforcement Letter</td>
</tr>
<tr>
<td>BWXT Conversion Services, LLC - Portsmouth Depleted Uranium Hexafluoride Conversion Plant</td>
<td>Potassium Hydroxide Exposure</td>
<td>PNOV</td>
</tr>
<tr>
<td>Chicago Argonne, LLC - Argonne National Laboratory</td>
<td>Machine Guarding – Near Amputation</td>
<td>PNOV</td>
</tr>
</tbody>
</table>
## Worker Safety and Health Enforcement Activities (cont’d)

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<tr>
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<tr>
<td>National Security Technologies, LLC - Nevada National Security Site</td>
<td>Electrical shock</td>
<td>Pending</td>
</tr>
<tr>
<td>Consolidated Nuclear Security - Y-12</td>
<td>Fall into utility pit</td>
<td>Consent Order</td>
</tr>
<tr>
<td>Washington River Protection Solutions, LLC - Hanford</td>
<td>Fall into septic tank</td>
<td>Consent Order</td>
</tr>
<tr>
<td>Bechtel National, Inc. - Hanford</td>
<td>Neck Fracture from Water Discharge after Pipe Joint Failure</td>
<td>Pending</td>
</tr>
<tr>
<td>Computer Sciences Corporation - Hanford</td>
<td>Worker retaliation and occupational medicine program</td>
<td>Pending</td>
</tr>
</tbody>
</table>
Battelle Energy Alliance
Idaho National Laboratory

• Event
  – High voltage substation electrical arc flash

• Outcome
  – Consent Order

• Issues
  – Hazard identification and assessment
  – Hazard prevention and abatement
  – Safety and Health Standards
  – Training and information
UT-Battelle
Oak Ridge National Laboratory

• Event
  – Ozone exposure

• Outcome
  – Enforcement Letter

• Issues
  – Hazard identification and assessment
  – Hazard prevention and abatement
Event
- Potassium hydroxide release

Outcome
- Preliminary Notice of Violation

Issues
- Management responsibilities
- Hazard identification and assessment
- Hazard prevention and abatement
- Training and information
- Recordkeeping and reporting
- Lockout/tagout
- Emergency response and occupational medicine
URS Energy and Construction
Separations Process Research Unit (SPRU)

• Event
  – Heat Stress

• Outcome
  – Enforcement Letter

• Issue
  – Hazard identification
  – Safety and Health Standards
    • ACGIH TLVs (2005) Table 4, Guidelines for Limiting Heat Strain
• Event
  – Near Amputation – Improperly Guarded Saw

• Outcome
  – Preliminary Notice of Violation

• Issues
  – Management responsibilities
  – Hazard identification and assessment
  – Hazard prevention and abatement
  – Training and information
Event
- Electrical shock

Summary
- An unqualified electrical worker experienced an electrical shock when performing work in a 5 kilovolt splice box. The worker was using a wet rag to clean the inside of the splice box.
Consolidated Nuclear Security
Y-12 National Security Complex

• Event
  – Fall into Utility Pit

• Summary
  – Employee suffered a lower leg fracture after falling from a utilities pit ladder
Washington River Protection Solutions
Hanford

• Event
  – Fall into Septic Tank

• Outcome
  – Consent Order

• Issue
  – Hazard identification and control
Bechtel National Hanford

• Event
  – Neck Fracture following Pipe Failure

• Summary
  – Employee was struck by pressurized water (125 psi, 200,000 gallons) following a pipe failure that occurred during fill and vent operations
Common Observations

- Lockout/tagout
  - 29 CFR 1910 - Subpart S vs 1910.147
- Subcontractor Oversight
- Emergency Response
- Hierarchy of Controls
- Training and information
Miscellaneous

- Site orientation visits
- Collaboration with the Office of Worker Safety and Health Policy
- NTS screening