

HOT TOPICS

Operating Experience Committee

2009 DOE ISM Conference

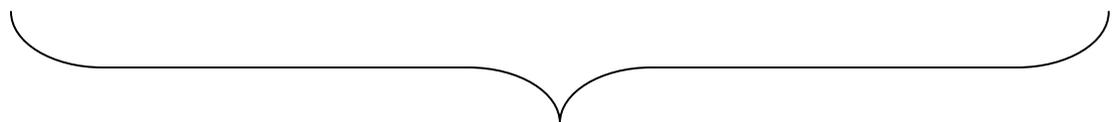
Knoxville, TN

August 25, 2009

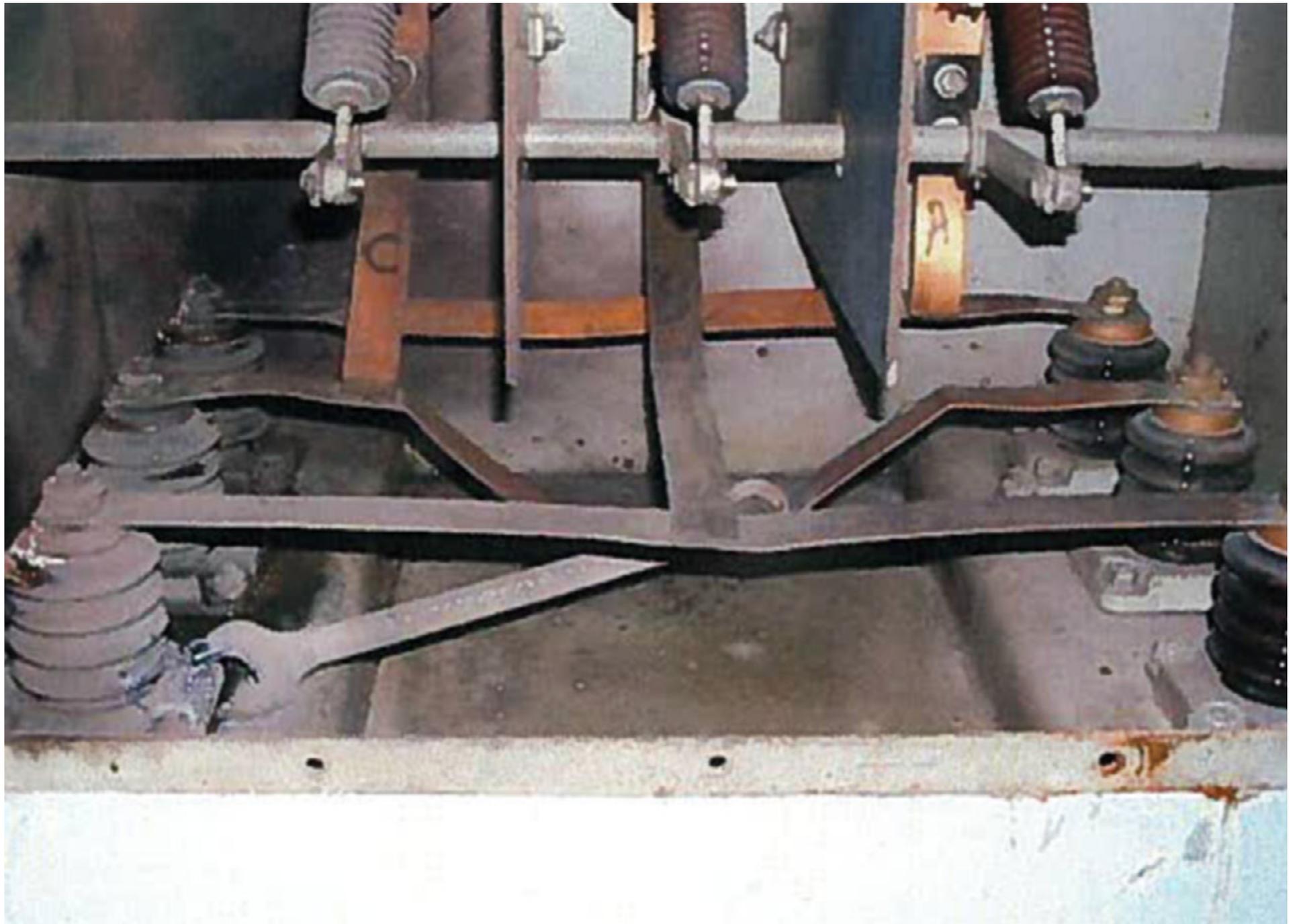
Current Hot Topics

Across the DOE Complex

- Electrical Safety (NFPA-70E)
- Hoisting and Rigging - Crane Safety
- Elevated Work – Fall Protection
- Pandemic Plans – Swine (H1N1) Flu



Change Control



Electrical Safety and NFPA 70E

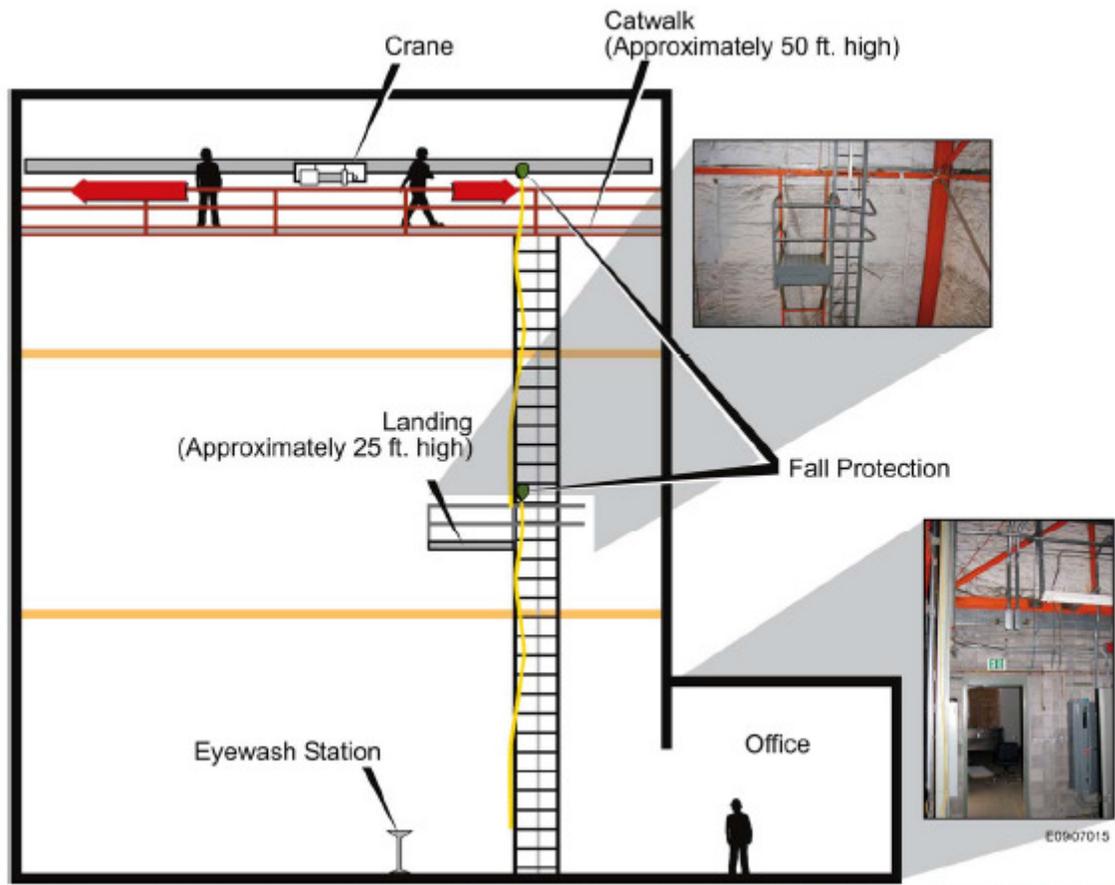
- Walk down the system – Supervisor/Manager/Worker
- Know the voltage(s) and the associated energy
- LO/TO
- Worker training
- Protective equipment (clothing, suits, face protection, exclude metallic items, tools)
- Work on energized system – never to not preferred
- Zero energy checks
- Barricades to prevent onlooker's involvement





Hoisting & Rigging Crane Safety

- Equipment Inspections – QA and Safety
- Crane operator training
- Subcontracted Services – Flow down of requirements
- Positioning – on suitable surfaces
- Positioning – consider and protect overhead power lines
- Positioning – Critical lift ???
- Handling – persons under the lifted item or crane boom
- Handling – Use tag lines
- Check the weight of the lift and compare it to the lift chart for the crane
- Prepare a lift plan & follow the procedures





Elevated Work

- Is there a better way to access the work
- Worker training
- Inspect the fall protection devices
- Store the fall protection devices correctly – not thrown in the back of a truck
- Use the fall protection devices correctly
- Use the equipment correctly (ladders, man-lifts, scaffolds)
- Are the tie-offs strong enough
- Follow the procedures and use oversight wisely

Change Control

- The system or equipment being worked on doesn't fit the description
- The numbers on the system, electrical panels, or valves don't match
- The soil is wet and soggy
- Not all of the electrical systems in the immediate work zone are de-energized as expected
- Steam or pressure is found on the system
- The color coding of the pipes and wires is different
- We forgot to do a small task – let's go finish it

Change Control

- We forgot a tool up there – I don't need a safety harness
- There's more pipes and wires than we expected
- We had to add a little weight to the lift – it won't matter
- This safety harness is only a little frayed – it will work
- That turn buckle is made in China but it has worked before
- His crane operator certificate is only a little out of date
- I only have to get under that sea land container for a few seconds – it will be OK
- We don't have time to do a LO/To – let's work it HOT – I'll be careful