ROOT CAUSE ANALYSIS: A JOURNEY OF DISCOVERY

Presented by:

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Journey of Discovery:

- My journey as a root cause analyst
- My involvement at DOE/NNSA sites
- Examples of recent RCAs
- Lessons Learned and ways we can improve our root cause analysis

My Journey as a Root Cause SME













My Involvement at DOE/NNSA Sites & Prime Contractors







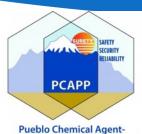












Destruction Pilot Plant













PANTEX PLANT | Y-12 NATIONAL SECURITY COMPLEX

consolidated nuclear security, llc









Journey of Discovery:

Examples of Recent Proactive and Reactive Root Cause Analyses

Examples of Recent Reactive & Proactive RCAs

Human Performance Issues

Equipment Failures



 Organizational and Programmatic Breakdowns

Human Performance: Non-qualified Electrical Worker Cuts Live 20 amp Wire at K-1652 in Oak Ridge, TN

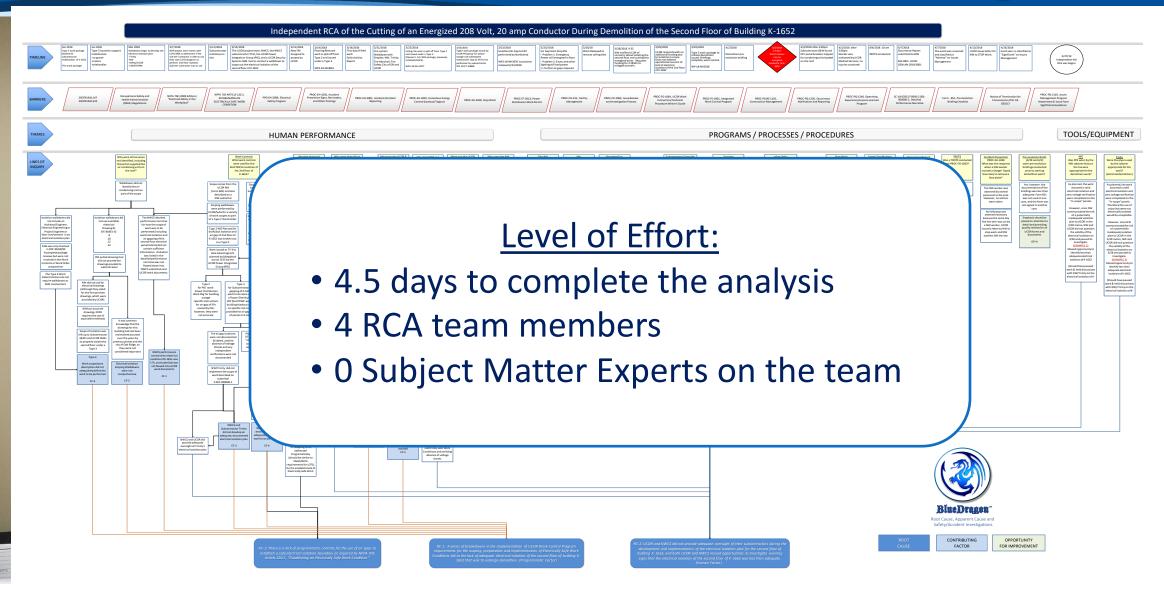


Human Performance: Non-qualified Electrical Worker Cuts Live 20 amp Wire at K-1652 in Oak Ridge, TN

Snippets used by the construction worker were not insulated



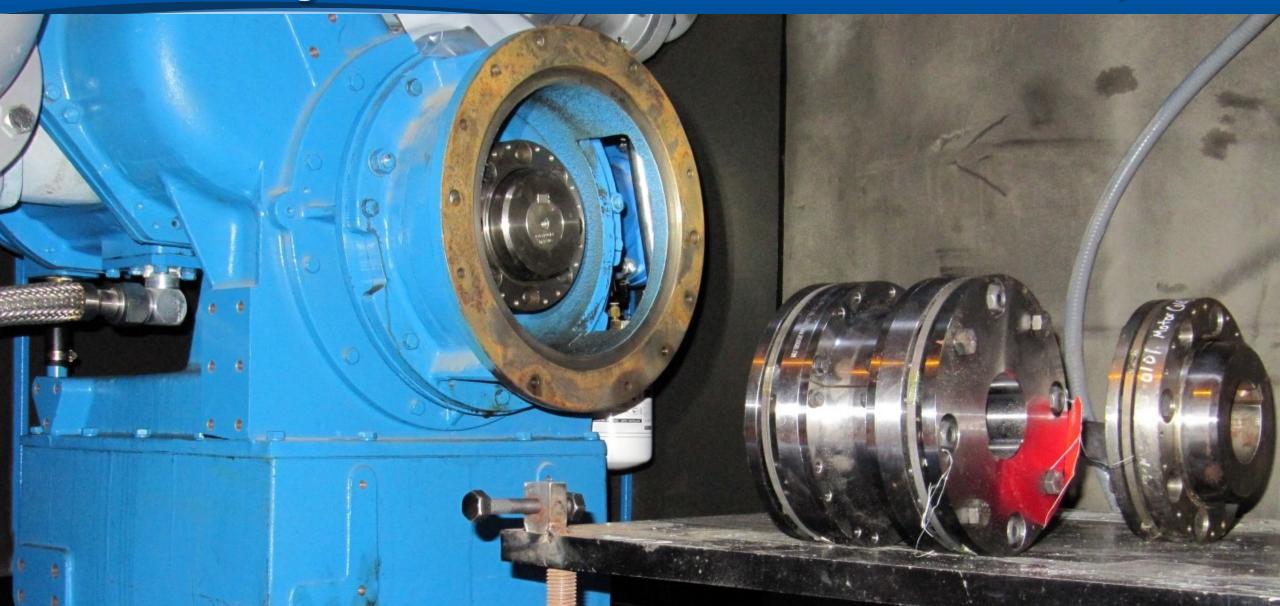
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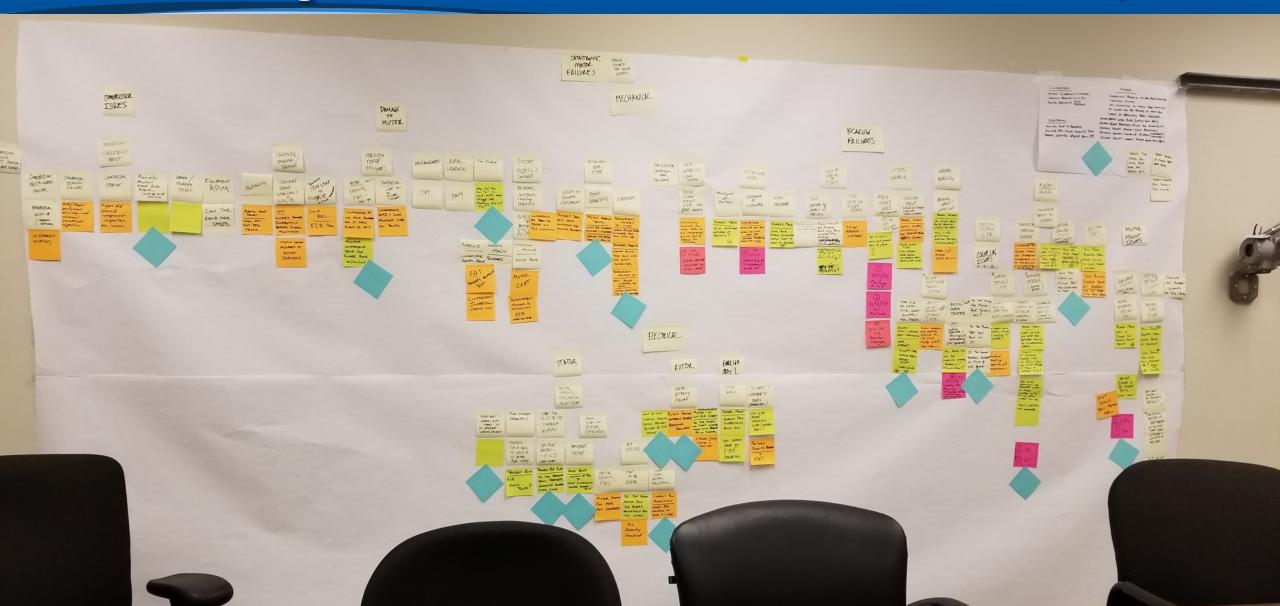
Equipment Example: 7 Consecutive Motor Failures at the Chemical Agent Destruction Pilot Plant in Blue Grass, KY



Equipment Failure: 7 Consecutive Motor Failures at the Chemical Agent Destruction Pilot Plant in Blue Grass, KY



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