

EFCOG Electrical Safety Subgroup
Hazardous Energy Control Subcommittee
Meeting Minutes June 29, 2011

Date: July 22, 2011
To: Distribution
From: Jerald Kinz (Hanford) and Marc Williams (Sandia), Co-Chairs
Subject: Minutes of the June 29, 2011, HEC Subcommittee Meeting

Attendees:

Heath Garrison (Pantex)	Jerald Kinz (Hanford)	Mark McNellis (SNL)
Jackie Mcalheny (SRNS)	Debbie Garcia-Sanchez (DOE)	Marc Williams (SNL)
Chris Tannahill (Hanford)	Jim Luhring (SRNS)	Skip Searfoss (DOE)
Ron Gough (KCP)	Bob Legard (HAMMER)	Pete Wells (HAMMER)
Alan Aunshpaugh (HAMMER)	Mike Stordahl (HAMMER)	John Lacenere (PPPL)

Meeting Accomplishments:

The meeting was called to order at 9:00 AM MDT by Jerald Kinz.

Introduction

Jerald Kinz recognized the work of the subcommittee who worked on the Electrical Safety Month project, and discussed the implementation and positive feedback from the Month's activities at Hanford.

Electrical Safety Month Feedback and Lessons Learned

Jackie Mcalheny recognized efforts of subcommittee, noting that the activity was recognized by Tony Umek at the EFCOG executive meeting, specifically because the activity was an integrated effort between DOE and the contract organizations. Jackie also noted that the feedback at the meeting on the posters was excellent. Skip Searfoss noted that the DOD Electrical Safety Initiative used the information, and the DOD thought that the level of effort and products were first rate. Skip also stated that he would assist in the development and issuance of a lessons learned on the activities to aid future similar projects. Some specific feedback included:

- Video speed was slow and sometimes crashed – alternatives discussed included providing a DVD to each site for posting, allowing download rather than hosting of video, and placing of video on You-Tube.
- Use of the training with first and second tier subcontractors gave those contractors greater insight into the safety culture within DOE facilities
- Presentation was generic enough to have general applicability

Review of Trends

Marc Williams provided a review of occurrence trends. He identified that the LOTO trend was flat, compared to the overall downward trend of events. Marc noted that a "LOTO event" only scratches the

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surface, and that additional research into the specific events is required to determine problems. For the last four months, Marc noted the following:

- LOTO devices were installed incorrectly 3 times
- A hazard analysis was not performed 4 times
- LOTO wasn't applied, or was applied incorrectly 3 times
- Zero-energy verification was not performed, or was performed inadequately twice.

Marc will analyze events for the last 12 months (July 10 – June 11) and provide a draft lessons learned to the team for review and comment that includes common LOTO violations and trends.

Lessons Learned Effectiveness

Jerald Kinz reviewed the applicability and usefulness of Lessons Learned. Research at Hanford identified that workers are not retaining issues/lessons from lessons learned, or are not being informed of relevant lessons learned, and requested additional information on how these are used at other sites. Chris Tannahill noted that they include relevant lessons learned in pre-job briefs to create a direct relationship between the activity and the lesson that's immediately relevant. Marc Williams noted that lessons learned are frequently updated and applied in the relevant training courses at Sandia, and incorporated into course discussions to enable understanding and prevention of future incidents.

Fall Conference

Marc and Jerald discussed the proposed topics for the HEC subcommittee at the EFCOG Fall Conference in Oak Ridge. Topics include:

- ORPS changes – last year's committee developed some sweeping changes to ORPS criteria to better capture the causes (which in turn would result in better corrective actions) but were not included in this year's revisions in order to facilitate acceptance of the Severity Tool. Additional evaluation/submission of changes is still necessary to properly identify and categorize occurrences.
- Trend Analysis – as noted above, numbers are not the key, but the reasons behind the numbers. Additional in-depth analysis of Hazardous Energy events from different perspectives is necessary to ensure the right problems are targeted.
- Non-punitive reporting – an evaluation and recommendation from the subcommittee to the Electrical Sub-Group to consider adoption of a reporting system similar to NASA or the FAA to increase reporting and more adequately identify and correct weak areas in processes.
- Review Training Survey (planned issue in August) for best practices and develop an EFCOG best practice for electrical site training

The meeting was adjourned at 10:00 AM MDT.

Actions from meeting:

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1. Skip Searfoss to draft a lessons learned for the subcommittee to review on the effectiveness and implementation of Electrical Safety Month
2. Marc Williams to develop a draft Lessons Learned/OES for review by the subcommittee on LOTO trends.