

WMEA – Spring 2013

Group 2:

Participants:

Bill Horvath – TMEIC

Tim Bond – General Cable

Nate Hillerud – Coteau Mine

Kelvin DeHaai – Wesco Distribution

Phil Grainger – Cloud Peak Energy

Matt Nichols – Cloud Peak Energy

Mike Uliana – TMEIC

Safety Items:

Phil Grainger:

Procedures – How important to follow.

Example: Boom raise had 100pages and still had issues. One item noted was that what was said on radio very critical “whoa” can sound like “go”...

Kelvin DeHaai:

Stabilizing ground & trenches when pulling cable. Had an injury when trench wall gave way.

Matt Nichols:

Legacy – Old, Buried, Hidden cable and ground installations. Do we really know what is there? Review and audit.

Phil Grainger:

Reviewing groups of drawings for Drag Line – DCS did this job and took about 500hours. Consolidated 5 sets of drawings, found many issues. Now has good set of dwg's. Saves time and is safer working on equipment.

Nate Hillerud:

Enclosing open contactors & dc controls on draglines – went to bucket style vs old “wall of contactors”.

New Innovations and Technology:

Matt Nichols:

Migration to 64 Bit Software

Kelvin HeHai:

Fluke Mitimeter Kit – CNX 3000 with wireless connectivity that works through cabinet doors.

Nate Hillerud:

Running dragline house fans w/VFD's for energy savings.

Security due to protections from software/network hacking preventing needed access for maintenance. VPN for pit vendor or networks. Very challenging to do business.

Problems & Solutions:

Phil Grainger:

Random MSHA visits w/o notice or sign in/out. Presently expecting this.

T12 Ballasts – no longer available starting July 2014.

LED Lights – Excavator Houselights – less maintenance

Phil Grainger:

Upgrade of Mark II control. Replace oil cooled converters due to obsolescence. 6 to 8 total shovels. 1st 2 are done.

Future Topics:

Phil Grainger:

Upgrade of P&H Mavic II oil cooled converter shovels due to obsolescence.
Phil Grainger, Cloudpeak & Matt Herr, Flanders

Greg Ladewig:

Tradeoffs between maintaining security on networks and necessary data to maintain, troubleshoot & monitor equipment.