

WMEA Denver May 29, 2015

Group 1

Austin Alvord- Wester Energy Co. Rosebud mine
Donald Jean- Drives and Controls services
Gary Beerline- Cloud peak
Curtis Cutsforth –Helwig Carbon
Bob Zweifel- Littelfuse Starter
Chris Brooks –ESC Engineering
Dennis Isaacs- Westmoreland
Cody Winclechter –Peabody, El Segundo

Safety Items

Dragline Tub Cable, Oiler got hit by cable hook. Looking for lockout for motions. (where to mount?) i.e Lockout motion. 1 Disconnect with 3 knives for 3 motions maybe the DC side not A/C side? Also an external Brakes Set indicator (purple) –Gary Cloud peak
Dragline walks, weather, roads, power lines. Walked 11 miles –Dennis Westmoreland

New Innovations and Technology

New Grounding kit, Bearing protector brush without drilling or tapping –Curtis Helwig
Continued PLC upgrades on draglines – Donald DCS
Doing Arc Flash studies on mobile equipment – Gary Cloud Peak
Arc Flash detector relay. Optical sensor, less than 1ms. To shunt trip or trip coil. Takes current, light, maybe smoke or pressure. –Bob Littelfuse

Problems and Solutions

MSHA Talk Results : Portable pumps,i.e water ponds. Talking about NGR. Ground fault breakers required by NEC in the future? –Cody, Gary and Bob
Arc Flash discussion, suggests we get better clarification on how they(MSHA) will enforce. Also, make sure to pay attention to how the industrial industry is handling the changes. Chris and Bob
Makin sure electricians have PPE for Arc flash and make sure they use it. -Gary

Future meeting topics

More Talks by the miners, less vendors- Bob
Gary need to talk about the 8200 Upgrade – Gary
Lee Ranch 1570 upgrade. Specifically tracking tune up, production monitoring. I.e. machine health and predictive maint. –D.J.
Should get more specific feedback from mines for topics. –Curtis
Transformer sizing model.(for varying loads) using the monte Carlo model- Chris

Future locations

None presented