

WMEA Denver May 29, 2015

Group 4

Craig Russell – Cloud peak energy
Eddie Virgil – Cloud peak energy
Milke wilton – Westmoreland
Garrett Gross – Falkirk mine
Matt Feaster- Nidec Avtron
Peter Saint – MSHA
Nathan Montgomery – Westmoreland Kemmerer mine

Safety Items

Lock out/tag out on power and not test stored energy, powerlines, DC energy, jumped or fell- Craig, Ed and Peter
Mounting keypad remotely to keep personell out of harm. Vfd Draw out breaker with remote racking- Matt and Eddie
Breaker one trip 110 at home, 480 breaker incoming lines disintegrated. –Peter
480 vold heater with snap in contacts – Garrett
Arc Flash: Doing the right thing without needing enforcement – Peter
VFD low frequency won't show ground fault <10hz or so. Not using forces in programs- Peter

New Innovations and Technology

Proximity for persons around the machine in underground setting – Peter
Wind generators for solar array supplement- Nate
Verizon units for cell towers on light plants. –Garrett
Mine View – Nate and Mark

Problems and Solutions

Pin Connection in J-Box and posi clamps: If it pulled, ground wire pulls first. Ground wine breaks first. Peter will be putting a memo out on it. – Peter
Arc Flash if mines have Arc Flash he doesn't have to make a law. Do the right thing. –Peter
MCS, Torpedoe and j-box modifications - Nate

Future meeting topics

Longer time for Groups

Future locations

Las Vegas