

Group 8

Group Discussion 11-21-2013

George Finley - Morgan Advanced Materials

Tom Morton – General Cable

Chris Bosec – DCS

Julian Jaeger – Siemens

Troy Mickelson – Line Power

Byron Schatz – Coteau Properties

Nate Hillerud – Coteau Properties

Safety Items

Troy - Holiday Driving – Road conditions & Awareness

George – Holiday lighting, electrical & fall protection

Nate – The mine has had problems with haul truck drivers cutting corners on roads

Byron – Technician fell off of a motor twisted ankle could have been much worse

Mechanic fell off of a haul truck in the shop and severely broke both wrists

New Innovations & Technology

Troy – Magnetic Actuated Vacuum Interrupter technology –
Presentation

Chris – 757 Page dragline in Mississippi starting up with AC technology
largest ever converted

Using drives to improve loop balance on DC machines

Nate – Fiber Optic Point sensors for Arc Flash protection

LED lighting technology large enough for dragline boom lighting

Problems and Solutions

Byron – MSHA new people can mean new problems and therefore new
solutions are required

495 Shovel tachometer failures – expensive and labor intensive

Dragline resolver on collector rings for swing position sensing

Chris – Need for Arc Flash rated switch gear

Low meeting turn out and need for promotion to improve attendance

Future Meeting Topics

Chris - AC Dragline presentation – Mississippi machine

Nate – Relay parameters Time/Current

Future Locations - Canada