Handley Ranch Quarry – Innovative/Creative Safety Improvements – Small Aggregate Mine

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Recipes for safety success

- Management Backing
- Leadership
- Buy-in, empowerment
- Employee led involvement

Warning – some ideas are unoriginal, may have been stolen from others in this room, and/or don’t cost a lot of money to implement…
Ground Control

- Backup Camera & Sonar Sensor
- Cameras are great – Not enough
- PRECO, Brigade, CAT
- MAJOR reduction in incidents
Ground Control

- Installed whip flags on pickups
- Moved stockpiles – blind corners
- Radios (Lab Techs/Visitors)
Lighting

• LEDs
• General flood lighting vs. targeted lighting
• Replaced existing mobile equipment lights.
Silica Exposure

- Skid steer – enclosed cab
- Sprayers
- Belting covers
Silica Exposure – Belt Covers
Unmanned Aerial Vehicles

• 2 drones in our local fleet
  ▪ Inventories
  ▪ Video/inspecting

• Training videos

• Constantly evaluating other uses.
Falls

- Screen changes – installed handrail
- Belt Splice – removable handrail
- Leading Edge/Sharp edge fall protection
Housekeeping

• 5s projects
  ▪ Sort
  ▪ Straighten
  ▪ Shine
  ▪ Standardize
  ▪ Sustain

• Employee ideas

• Competition
5S – Screens / Metal storage
Control Panel Protection – Boom Lifts

• Rental Aerial Work Platform
• Equipped w/ control panel protection
• Switch disables controls
Ergonomics

Reduce back pain, sprain, strain

Improve worker efficiency / longevity

• Welding/Fabrication
• Cordless tool use
• Skid steer use
Ergonomics - Mobile Work Stations
Ergonomics – Cordless Tools

• No cords (trip/fall, GFCI, Continuity/Resistance, mobility)
• No air lines

• Shown:
  ▪ Grease gun
  ▪ Caulk gun
  ▪ Sawzall
  ▪ Angle grinder
  ▪ Impacts
  ▪ Ratchets
  ▪ Flexco tools
Ergonomics – Clean up w/ skid steer attachments
Trucker Appreciation

- Show appreciation to truckers
- Free food
- Grab items (SWAG)
- Safety Tips
• QUESTIONS
• COMMENTS
• DISCUSSION