



PMP 2nd Quarter Meeting Agenda June 12, 2024, 10:00 AM

Rosebud Mining Training Center
301 Market Street
Kittanning, PA 16201

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Business Meeting

- Call to Order
- Introductions of Attendees
- Secretary's Report & Approval of Minutes
- Treasurer's Report
- Future Speakers/Venues
- Outreach
- New Business

Technical Forum:

- PACA Updates
- PCA Updates – Rachel Gleason
- Sackett WOTUS Rule – 1 Year Later
- MSHA Silica Rule Finalized
- AERR Rulemaking
- PSU Critical Minerals Research Grant
- DEP Updates
- Member Items/Open Discussion

Presentation:

- **Speakers: Nicole Evaneck, NIOSH & Cory DeGennaro, NIOSH**
- **Bio:** *Nicole Evaneck is a Research Geologist at the National Institute for Occupational Safety and Health, Pittsburgh Mining Research Division. She holds a B.S. in Geology from Kent State University, a Post-baccalaureate in Mining Engineering from the University of Pittsburgh, and an M.S. in Safety Science from Indiana University of Pennsylvania. Nicole is working with the ground control team at NIOSH PMRD to study massive collapses in underground limestone operations.*
- **Topic: The Utilization of 3D LiDAR to Reduce the Potential for Massive Ground Collapses in the Underground Stone Industry:** *Several massive ground collapses in underground stone mines have occurred in the past decade, with four occurring in rapid succession from 2020 to 2021. These massive ground collapses represent a major hazard, that can result in traumatic injuries and fatalities with the potential for multiple-fatality events. Researchers at the NIOSH Pittsburgh Mining Research Division are focused on reducing the potential of these massive ground collapses from occurring and are utilizing technologies such as 3D LiDAR scanning in their research efforts.*
- **Bio:** *Cory DeGennaro is a Mechanical Engineer for the National Institute for Occupational Safety and Health. He started working at NIOSH in 2016. Mr. DeGennaro has previously conducted research on proximity detection systems, refuge alternatives, collision warning and avoidance systems, and is currently conducting research on virtual reality mine rescue training.*
- **Topic: Integration of 3D LiDAR Scans into a Virtual Reality Mine Rescue Training Platform:** *Researchers at the Pittsburgh Mining Research Division have developed a virtual reality mine rescue training platform – VR|MRT. One effort under the project is to incorporate LiDAR scans in VR. This presentation will cover considerations for capturing LiDAR scans, VR|MRT's current LiDAR import capabilities, and potential LiDAR use cases in VR.*

Adjournment

No Lunch Provided This Time – See officers if you wish to meet up and have lunch at a mutual location.

***Note: Virtual Link will be available and provided prior to meeting. PDH Credits will be awarded.**