

PENNSYLVANIA MINING PROFESSIONALS (PMP)

1st QUARTER MEETING

June 12, 2024

10:00 AM - 12:45 PM

Rosebud Mining, 301 Market St, Kittanning, PA 16201

Attendees in Person

Jordan Rodgers, EIT, President of PMP (Engineer, Snyder Associated Companies)

Stacey Hanson, PG, Vice-President of PMP (Project Manager, Apex Companies)

David "Ben" Gardner, PE, Treasurer of PMP (VP Engineering, Corsa Coal)

Kayla Kabina, Secretary of PMP (Musser Engineering)

David Lindahl, PG (Fike & Associates)

Darrel K. Lewis, PE (Retired)

Jack Chamberlin, PLS (Principal, Chamberlin Surveying)

Pat Replogle (Manager, Mountain Research LLC)

Kenneth L. King, PG (Engineering Manager, Snyder Associated Companies)

Terry Schmidt, PE (Vice-President of Engineering, EarthRes)

Guy Livingston, PG (Executive Vice-President, Mountain Research LLC)

John Kubala (Retired)

Nathan Garlitz, PE, PG (Project Manager, Young & Associates)

Josh James, PE (Vice-President, Young & Associates)

Alycia Shaffer (Apex Companies)

Nicole Evanek (NIOSH)

Cory DeGennaro (NIOSH)

Rob Stormer, PG (EADS Group)

Rebecca Wagner (Rockwood Casualty)

Roger Bowman, PE (Retired DEP).

Todd Coleman, PE (MineTech)

John Ochs (Rosebud Mining)

Jarod Stewart (Snyder Associated Cos.)

Shaun Busler (BioMost)

John St. Clair, PG (Rosebud Mining)

Ron Musser, PG (Musser Engineering)

Attendees Virtual

Carolyn Speicher (New Enterprise Stone & Lime Co.)

Chuck Walton, PG

Mike Gardner, P.G. (GeoTech Engineering)

Mike Barilar, P.G. (Manager, GeoTech Engineering)

Michal Jones, PG (Retired)
Dave Yingling, PE (Corsa Coal)

Meeting Agenda

See attached agenda.

Business Meeting (10:00am – 10:13am)

PMP President Jordan Rodgers called the meeting to order at 10:00 am. The minutes from the March 13, 2024 PMP meeting were properly moved by Ron and seconded by Ken, and unanimously approved.

Treasurer Ben Gardner reported on the finances, including donations and closing of our old account is still in the process. The Treasurer's report was then properly moved by Pat, seconded by Charlie, and unanimously approved. See Attached Treasure report.

Next meeting we are at UPJ, with Dave Williams and we discuss future speakers and venues. Jordon discuss about the new outreach program we want to do, which hasn't been stated yet.

Technical Forum (10:13-11:13)

PCA Update: (10:13am – 10:34am)

Rachel Gleason of PCA present a brief overview. On the federal level, on the regional greenhouse gas initiative, but we filed in the Commonwealth court and won that case. Governor Shapiro did appeal that to the Supreme Court, and there's been NO action on it. Legislative updates, senate Bill 01:15 was signed into law on 15 April as Act nine of 2024I. So this act was the first Republican sponsored bill of 2024 that was signed into law.

It amends the bituminous coal mine Safety Act to provide DEP mine safety flexibility in the schedule of maintenance for the replacement of oil and Oil filters on diesel-powered equipment. Right now, it must be done every 100 hours, this allows it to go up to 200 hour, and it is effective tomorrow, so it had a 60-day effective date and tomorrow is 60 days.

In March, Shapiro came out with his clean energy plan, which includes setting caps onCO2 emissions and allocating revenue towards utility bills and clean energy projects.

On the federal level, regulations regarding coke oven emissions and clean power plants have been finalized, leading to ligation and potential appeals. There are also changes in OSM rules for mining regulations. Which allows OSM to consider publicly available electro electronic information treats all violations the same. However, on 7 June, 14 states filed a petition in the US court of appeals from DC circuit, raising concerns on state privacy authority. Since Pennsylvania is a privacy state, stating that deference should be on the states on our state regulated mining programs. In addition, it does not prevent any out of state complaints with NO 1st hand knowledge of mining operations.

On the mind safety side of things, published their silica rule on 18 April. This affects coal and metal nonmetal. It is effective 17 June.

Questions on clean energy plan by Pat and Rachel went into detail further about the different tiers.

DEP update. John Stefanco's retiring at the end of this month and not sure of his replacement.

PACA update on replacement for Josie Gaskey, there is still an ongoing search. Environmental regulations and issues, such as PM 2.5 changes and cracking down on certain practices, are being discussed.

AERR Rulemaking. The EPA is proposing a new rule that would shift the responsibility of reporting annual emissions data from states to emitters. The new proposal would require emitters to determine their applicability and report on 426 hazardous substances to the EPA starting in 2027. Industries and coalitions are working to get exemptions from this new rule, including the NSSGA.

PSU Critical Minerals Research Grant. There is a growing awareness of the presence of lithium ion produced waters, but this is not new information for those who have been following the conversation. Efforts are being made to gather information on concentrations of errors in Pennsylvania, particularly in the western half of the state. The focus is on connecting resources with end users and processing facilities.

Open discuss. Accuracy & control points with drones from OSM. Issues comparing drone data and old topo info. Todd Coleman gave us an example and there was a lot of input and questions on this subject and their justifications and DEP actions.

Break

Technical Presentation (11:25am -12:44pm)

Speakers are **Nicole Evanek, NIOSH & Cory DeGennaro, NIOSH**

Nicole is a Research Geologist and her topic was, *"The Utilization of 3D LiDAR to Reduce the Potential for Massive Ground Collapses in the Underground Stone Industry"*. Cory DeGennaro is a Mechanical Engineer and his topic was, *"Integration of 3D LiDAR Scans into a Virtual Reality Mine Rescue Training Platform"*.

Adjournment:

It was then properly moved and seconded to adjourn the meeting. That motion was unanimously approved, and Jordan adjourned the meeting at 11:52pm.

Minutes were recorded and prepared by: *Kayla Kabina, Secretary*

NOTE: 2.25 PDHs are awarded for this meeting.



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

Rosebud Mining Training Center
301 Market Street
Kittanning, PA 16201

Jordan Rodgers, E.I.T., President
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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:

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

Presentation:

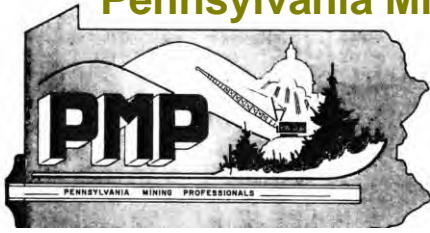
- **Speakers: Nicole Evaneck, NIOSH & Cory DeGennaro, NIOSH**
 - **Bio:** *Nicole Evaneck is a Research Geologist at the National Institute for Occupational Safety and Health, Pittsburgh Mining Research Division. She holds a B.S. in Geology from Kent State University, a Post-baccalaureate in Mining Engineering 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

Lunch to be provided by Mountain Research LLC following the meeting. Thank you to Pat Replogle/Mountain Research LLC for the generosity and to John St. Clair/Rosebud for hosting.

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

Pennsylvania Mining Professionals



Jordan Rogers, President: 724-548-8101
 Stacey Hanson, Vice President: 724-672-4845
 Kayla Kabina, Secretary: 814-754-8477 ext 412
 Ben Gardner, Treasurer: 814-521-8815

June 12, 2024

Previous Balance Reported at the March 2024 PMP Meeting	<u>\$11,481.63*</u>
EXPENDITURES	AMOUNT
Checks for PNC Bank Acct	\$77.10
Paper Statement Fees 3 months, \$5/mo.	\$15.00
Website Maintenance Costs – Check 1118 on NW Bank Acct.	\$422.92
March Venue at Ramada – Check 1001	\$491.40
PCA Dues – Check 1002	\$1,500.00
December Venue and Meal Costs (Pat Replogle) - Check 1003	\$921.43
Expenditures Subtotal	<u>\$3,427.85</u>
INCOME	AMOUNT
Northwest Bank Int. 3 mos. (Feb, Mar, Apr 2024)	\$0.21
Dues	\$2,160
Income Subtotal	<u>\$2,160.21</u>
Balance Transfer from NW Bank (#1119) to PNC on 5/29/24	\$7993.85
Present Balance Total May 31, 2024	<u>\$10,213.99</u>
Total = (Previous Balance - Expenditures Subtotal) + Income Subtotal	
Outstanding Expense 1 – Planned Donations (3k)	-\$3,000.00
<u>CASH FORECAST</u>	<u>\$7,213.99</u>

Respectfully Submitted,

David B. Gardner

David “Ben” Gardner,
 Treasurer