

Eastern Pennsylvania Chapter International Society of Explosives Engineers www.easternpaisee.com

Volume 30 Number 4

Fall 2023

The Eastern PA ISEE welcomes requests for topics, and invites readers' letters and other contributions that relate to drilling, blasting, seismology and explosives engineering.

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Register Today!

2023 Clay Shoot & BBQ

Friday, November 3, 2023 11:30am - 5:00pm Lehigh Valley Sporting Clays 2750 Limestone St., Coplay, PA

The event is FREE for Members or \$35 for Non-Members

Prizes will be awarded!



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Letter from The President

Dear Members,

Temational Society of Explosives It officially feels like Fall, which means our Clay Shoot & BBQ is quickly approaching. If you haven't already registered, please do that today! Registration is free for members and \$35 for non-members, with the added benefit of becoming a member when you register. Station Sponsorships are still available until October 27th. We look forward to seeing everyone at this popular event next month!

Also in November we have the PA Drilling and Blasting Conference on November 16 & 17, 2023. Registration is now open!

Our 2023 membership renewal invoices went out last month. Please note the change in our remittance address to:

Eastern PA Chapter I.S.E.E.

Attn: Scott Mueller PO Box 94.

Souderton, PA 18964

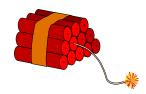
If you haven't already done so, please send in your membership renewal payment. We appreciate your continued support!

Best regards,

Danny Ray Leach

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Eastern Pennsylvania Chapter Clay Shoot & BBQ

On Friday, November 3rd the Eastern Pennsylvania Chapter will host it's sixth annual Clay

Shoot and BBQ. Join us at 11:30am for a BBQ lunch followed by a mandatory 12:30pm safety class and 1pm start at the Lehigh Valley Sporting Clays course in Coplay, PA.

The event is FREE for members. Non-members will be charged \$35 for a Chapter Membership. Registration includes a BBQ lunch, 8 station course with 50 rounds, and friendly competition. Ear protection is provided. You are encouraged to bring eye protection or purchase glasses for \$10.00. Prizes will be awarded! We will also be raffling off a Mossberg Gold Reserve 20 gauge shotgun.

If you are interested in registering, please visit https://www.easternpaisee. com/clay-shoot-bbq-registration/ or complete the attached form on page 4.

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Eastern Pennsylvania Chapter Clay Shoot & BBQ



Friday, November 3, 2023
FREE for Members
\$35 for Non-Members
11:30am - 5:30pm
Lehigh Valley Sporting Clays
2750 Limestone St., Coplay, PA

Name		
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Deadline to register is Friday, October 27, 2023

Your registration includes a BBQ lunch, 8 station course with 50 rounds and a golf cart per team of 4. Ear protection is provided. You are encouraged to bring eye protection or purchase glasses for \$10.00.

You can bring your own gun and ammo (7.5-9 lead shot only). Prizes will be awarded!

The event is FREE for Members.

Non-Members will be charged \$35 for a Chapter Membership.

Non-members - please complete the membership form on page 21 and this registration form to sign-up.

Send to: Eastern PA Chapter I.S.E.E.

Attn: Scott Mueller

PO Box 94, Souderton, PA 18964 smueller@bluestonedrilling.com

Eastern Pennsylvania Chapter Clay Shoot & BBQ



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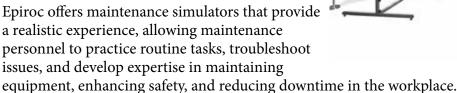


Enhancing Productivity and Safety with Epiroc Simulator Training for Operators and Maintenance Personnel

Written by Joey Accardo, Technical Manager: Surface and Exploration Drilling USA, Epiroc

As the mining and construction sectors continue to evolve, the importance of effective and commercially beneficial training solutions like simulator training cannot be overstated. It assures elevated safety standards, cost savings, efficiency gains, and environmental responsibility. In a world where technology drives progress, Epiroc Simulator Training paves the way for a safer, more productive future in heavy machinery operations.

Conventional heavy machinery training often involves substantial costs for on-site training and equipment usage, which can lead to decreased productivity. Simulators eliminate these expenses by enabling remote training, reducing costs, and enhancing efficiency. Trainees can access simulators without interrupting site operations, accelerating skill development and streamlining the onboarding process for new personnel. Simulators are transforming the landscape of heavy machinery training, proving to be a highly efficient way to educate operators.





Epiroc Simulator Training relies on life-like simulation, recreating mining and construction environments. It enables operators to train safely and efficiently, offering a diverse array of simulator types tailored to different machinery and job roles, including drilling, loading, hauling, and bolting. These simulators provide an experience, replicating the sights, sounds, and tactile sensations of operating heavy machinery, effectively preparing operators for real-world challenges.

Safety is paramount in mining and construction, where accidents can have dire consequences. Epiroc Simulator Training prioritizes safety by offering a risk-free learning environment. Operators can make errors and learn from them without putting themselves, their colleagues, or the equipment in jeopardy. This approach significantly reduces the likelihood of accidents during actual operations. Additionally, Epiroc Simulator Training promotes environmental sustainability by reducing fuel consumption, equipment wear, and emissions.



Simulator Training Continued

Epiroc Simulator Training goes beyond safety and cost reduction, elevating operators' skills and confidence. Simulators provide diverse scenarios, enabling operators to excel in various situations, from routine tasks to emergencies, without real-world pressures. This fosters a more capable workforce.

A standout benefit of Epiroc Simulator Training is its tailored approach. Programs are customized to fit individual operator or company needs. Novices and seasoned professionals alike can benefit, with simulators adapting to their skill levels and offering increasingly challenging scenarios. This personalized training empowers each operator to excel in their role.

We are excited to announce that our FlexiROC and maintenance simulators are available at our Service Center in Harrisburg, Pennsylvania, enhancing accessibility and convenience for operators and service technicians in the region.

Operators will acquire a range of essential skills from the simulator training, including mastering startup and shutdown procedures, precise alignment and hole setup, conducting daily rig checks, using the rear jack correctly, ensuring safe gradients and tramming angles, loading the rig onto a trailer for transport, performing angle drilling and instrument operations, efficiently handling rod adding and extraction, developing muscle memory for drilling, tramming, and setup tasks, and acquiring numerous other skills in a secure, damage-free environment. Typically, individuals will spend approximately two days in the simulator to successfully complete all program modules and earn a certificate.

For information on simulator training, please contact: inquiries@epirocmarketing.com or 717-257-9300 Ext 3.



and construction industry. But what many forget is the fourth aspect: the people behind the innovations. Because only new ideas can speed up the shift toward a more

sustainable mining and construction industry. We at Epiroc accelerate this transformation.

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In Memory: Arthur Beinlich

Arthur H. "The Chest" Beinlich, 82, of Bethlehem Township, died Tuesday, August 22, 2023 in his home. Born September 3, 1940 in Easton, he was the son of the late Eric G. Beinlich, Sr. and Hilda (Mack) Beinlich. He and his wife, Sandra (Meyers) Beinlich were married 58 years. Arthur graduated from Penn State, served in the Navy during the Vietnam War, and was an avid sports fan. He was an explosives engineer for Vibra-Tech, Tamaqua. Prior to that he worked for Orica Explosives, Canada, and Cleveland-Cliffs Iron Ore Mine, Ishpeming, Mich.

Surviving with his wife, Sandra, are a son, Keith A. Beinlich and his partner, Felicia Dettmer; two daughters, Lori A. Lehr and her husband, Jeremy, and Vicky L. Geiger and her husband, David; and six grandchildren. Two sons, Scott A. Beinlich and Todd E. Beinlich; a brother, Eric G. Beinlich, Jr.; and a sister, Arlene Schwartz died earlier.

Private services with military honors were held at Northampton Memorial Shrine.







For Safe Excavation and Complex Projects many people believe that by notifying the One Call System of intended excavation they have completed all of their responsibilities with respect to the locating process. This is not the case. Notifying is only the first step, and there are several other important considerations.

Online Ticket Management is a web service application developed by Pennsylvania 811 to provide excavators and designers a way to view their notifications and facility owners responses.

- View current tickets or five years worth of tickets
- Access to tickets entered online or through the call center
- Search for a specific ticket with an assigned serial number or a series of notifications within a specific date range
- See real time responses from facility owners who were notified on a current ticket or search the system for stored responses (maximum of 5 years)





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2023 Baseball Game Meeting



The Eastern Pa Chapter ISEE hosted a family fun event at the Lehigh Valley Iron Pigs baseball game versus the Buffalo Bisons. The Iron Pigs won 7 -1. The group sat along the third baseline in the picnic area and enjoyed hamburgers, hotdogs, and fried chicken and some cold beer. It was great to have young faces and some old friends attend. Everyone in attendance received an Iron Pigs baseball cap.









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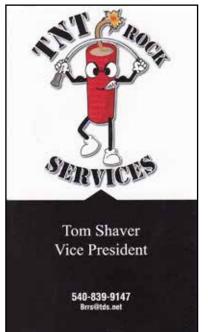


Department of Labor Announces Findings of Impact Inspections at 14 US Mines; identifies 246 violations of safety, health standards

The U.S. Department of Labor announced today that its Mine Safety and Health Administration completed impact inspections at 14 mines in 10 states in August, issuing 246 violations.

Begun after an explosion killed 29 miners in West Virginia at the Upper Big Branch Mine in 2010, monthly impact inspections are conducted at mines that merit increased agency attention and

enforcement due to poor compliance history; previous accidents, injuries, and illnesses; and other compliance concerns.



Among the 246 violations MSHA identified in August, 94 were evaluated as significant and substantial, or S&S, violations and 17 were found to have an unwarrantable failure finding. An S&S violation is one reasonably likely to cause a reasonably serious injury or illness. Violations designated as unwarrantable failures occur when an inspector finds aggravated conduct that constitutes more than ordinary negligence.

MSHA completed monthly impact inspections at mines in Alabama, Alaska, Indiana, Kentucky, Michigan, New Mexico, Ohio, Pennsylvania, West Virginia and Wyoming in August.

So far this year, the agency's impact inspections have identified 1,969 violations, including 587 S&S and 40 unwarrantable failure findings.

Continued on page 15

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Dept of Labor Continued

"August impact inspections resulted in a troubling number of unwarrantable failure findings at multiple mines, representing serious safety and health hazards that operators knew put miners at risk and should have corrected," said Assistant Secretary for Mine Safety and Health Chris Williamson. "Impact inspections remain an important tool to hold operators accountable and eliminate hazards such as combustible materials near belts, hazards that history shows can unfortunately cause mine fires and lost lives."

One of the mines included in the August impact inspections was the Hopedale Mine in Hopedale, Ohio. Operated by Leesville Land LLC, the mine was selected given its previous enforcement history. The inspection identified 16 violations, including 10 S&S and nine unwarrantable failure findings. Specifically, MSHA inspectors found the following conditions existed at the mine:

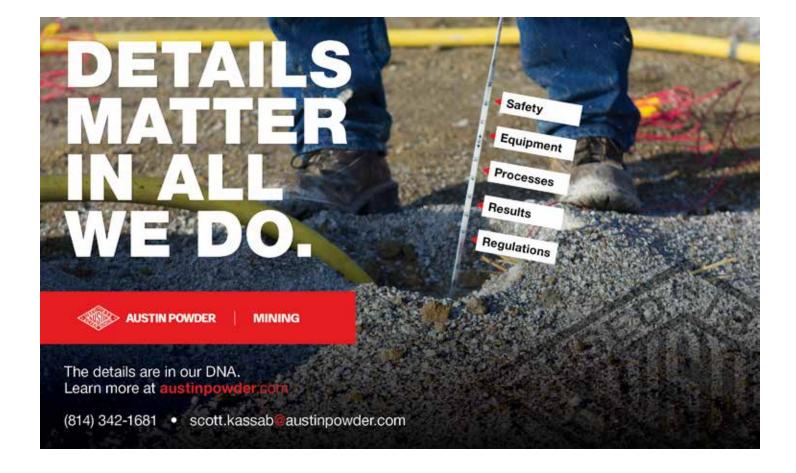
Continued on page 16





Dept of Labor Continued

- Failure to perform adequate workplace examinations. Adequate workplace examinations are essential to ensure compliance with health and safety standards, and must include the identification, correction and documentation of hazardous conditions. Proper examinations reduce the risks of fatal mine accidents and disabling injuries to miners.
- Poor belt and walkway maintenance, including accumulations of loose coal and float coal dust. MSHA continues to remind operators of the importance of controlling the accumulation of float coal dust, loose coal and other combustible material to prevent fires and explosions. MSHA has cited the mine's operator during previous inspections for not maintaining safe walkways.
- Nine unwarrantable violations related to accumulations of loose coal and coal dust along belts with bottom rollers turning in coal, which could cause a spark and cause an explosion. Additional unwarrantable violations include not maintaining a clear travel way along belts, not repairing or replacing damaged belt conveyor components, not identifying hazards and for allowing hazardous conditions to exist along belts for several shifts without taking any corrective actions. Uncorrected hazards needlessly expose miners to potential injuries and illnesses.





Autumn Driving Hazards & Tips to Stay Safe

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Autumn is one of the prettiest times of the year, but it presents a distinct set of challenges for drivers. Here are some key hazards associated with autumn driving and tips to help navigate them safely:

Rain

In autumn, sunny weather can quickly turn rainy and cold. The first few minutes of rainfall on dry pavement are particularly hazardous because the rainwater mixes with accumulated oil, dirt and other debris on the road surface, creating slippery conditions. Heavy rains can create pools of water, and driving through them can compromise vehicle control. Slow down, increase your following distance and avoid standing water.

Continued on page 18



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Driving Safety Continued

Frost and Ice

Freezing temperatures create morning frost and icy patches, especially on bridges, overpasses and shaded areas. Reduce your speed and be particularly vigilant when approaching these areas. In addition to exercising caution during autumn driving, be sure to clear your vehicle's windows of frost before heading out.

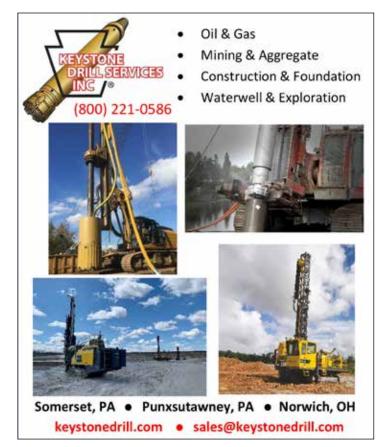
Reduced Visibility

Colder fall temperatures can cause fog, limiting visibility and altering your perception of distance. When driving through fog, slow down and maintain ample distance from other vehicles to ensure enough reaction time and stopping distance.

Autumn also heralds the arrival of shorter days and longer nights. Turn on your headlamps as soon as you notice a reduction in visibility to increase your ability to see and your chances of being seen, and stay extra alert for pedestrians and cyclists.

What's more, shorter days and longer nights can throw off the body's internal clock, leading to an increased likelihood of driver fatigue. Adjust your sleep schedule to help ensure sure you are properly rested before driving.

Continued on page 19









Driving Safety Continued

Sun Glare

The angle of the sun during fall can create blinding glare, especially during sunrise and sunset. To reduce glare's impact, slow down, increase your following distance, use your vehicle's visors, and wear polarized sunglasses. Also, adjust your route or departure time, whenever possible, to avoid driving directly into the sun during its most intense periods.

Leaves

Although autumn's hues are beautiful, the red, orange and yellow colors of traffic signs become less distinct amid similar fall shades. Keep your windshield clean, inside and out, and remain vigilant.

Patches of wet fallen leaves can hinder braking, steering and stopping. Slow down and avoid sudden maneuvers on leaf-covered roadways. Watch for leaves obscuring curbs, street markings, potholes, and other hazards.

Collected piles of leaves are also an inviting place for children to play and hide. Stay alert, particularly during twilight hours, and use caution going around turns and where children are playing.

Wildlife

Autumn brings an increase in animal activity. Scan the roadway and roadsides for wildlife, and heed animal crossing signs. Be extra cautious during dusk and dawn when animals are most active and visibility is limited.

One More Tip

One of your best defenses against the challenges of autumn driving is to ensure your vehicle is up to the task. Perform a pre-trip inspection, as required by federal regulations, paying particular attention to wipers, lights and brakes. Routinely check tire pressure as the season's temperature fluctuations can cause tires to expand and contract, potentially leading to air loss.

Autumn driving is fraught with challenges. However, staying aware of these hazards and following these autumn driving tips can help you safely navigate the nation's roadways all season long.







It's time to Renew Your Membership

Membership renewal invoices were sent in mid-September! If you haven't done so already, please send in your payment to stay current on your Eastern PA Chapter ISEE membership.

Membership in the Eastern PA Chapter of the ISEE keeps you connected to news and events in the drilling, blasting and seismic fields. Members receive benefits such as quarterly newsletters, training opportunities, regulatory and safety updates as well as informational and social events. A yearly membership only costs \$30. And you can save with a Corporate Membership! A corporate membership includes up to 5 members and a free business card advertisement in the quarterly newsletter

(\$60 value)- all for \$150. A deluxe corporate membership includes up to 10 members and a 1/2 page advertisement in the quarterly newsletter (\$180 value)- all for \$250.

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