



Fall 2024
Third Quarter

Fire in the Hole Scroll

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Newsletter sponsors:

- Blaster's Tool & Supply Company
- Dyno Nobel
- Nobel Insurance Services
- Wallace Technical Blasting, inc.

Chapter Dates to Remember:

November 22 —
BH Chapter Meeting in
Rapid City, SD

January 17 —
BH Chapter Meeting &
Elections, in Rapid City

April 23-25 —
Best in the West
Conference in Spearfish,
SD

Black Hills Chapter Hosted Fall Picnic at Crazy Horse Memorial



◀ Everyone had a great time! The weather was perfect. Many commented the tour was so relaxing. They enjoyed sitting there, soaking up the sun with a wonderful view.

Photo © Crazy Horse Memorial Foundation

Crazy Horse Memorial, Jim McNulty, and the crew invited the Black Hills Chapter and Northern Plains Chapter for a fantastic tour day!

The group was welcomed with a Crazy Horse informative video and safety briefing.

The group experienced bright blue skies and the warm sun while touring the mountain. We got to see the new crane, walk near the face and see the hand up close.

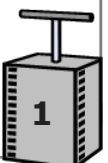
After, the group ate a delicious lunch while chatting with old and new friends. The



© Crazy Horse Memorial Foundation

Black Hills Chapter presented checks for the Pine Ridge Christmas Fund and for the Crazy Horse Memorial Scholarship Fund. It was an informative and relaxing day! Also, the jingle dancers were great!

A huge thank you to all of the Crazy Horse Memorial crew and Jim McNulty!



Photos from the BH Chapter Fall Picnic



▲ The group looking at the crane.



◀ The group having a close encounter with the hand.



▲ Enjoying a delicious lunch.

Black Hills Chapter Fall Meeting

Friday, November 22nd, 2024

SD Mines Pearson Alumni Ballroom
330 E Kansas City Street
Rapid City, SD 57701

6:00 pm – Social Hour

*Sponsored by
Nelson Brothers*

7:00 pm – Chapter Meeting
with Speakers
Mark Bowron and
Alex Bolduc

DYNO
Dyno Nobel

Baron Fidler
GM Coal Corporate Accounts

Dyno Nobel Inc.
6440 S Millrock Drive, Suite 150
Salt Lake City, Utah 84121

Ph: 801.328.6484
M: 801.209.3897
baron.fidler@am.dynonobel.com

"Great acts are made up of small deeds."

— Lao Tzu



Get to Know Your BHC Board of Directors



DARCEY BAKER, Black Hills Chapter President

"I am currently a Mine Engineer and have been with Pete Lien & Sons for the past 27-years. I have been mining for over 40-years now. In my free time, I enjoy spending time with my wife and our favorite pastime is driving to see new places with our pooch."



RANDY RUSSELL, Black Hills Chapter Vice President

"I am a Technical Manager for Nelson Brothers in Gillette, Wyoming. I have worked in the explosives/drill and blast industry for 37 years. I like to hunt, fish, and have a small cow herd which keeps me busy in my free time."



ERIK CARLSON, Black Hills Chapter Secretary

"I am currently the secretary of the Black Hills ISEE Chapter. I am a drill and blast engineer for Buckley Powder Co. working in WY, MT, ND, and SD. In my spare time I can be found metal working and tinkering on old equipment. My fiancé and I enjoy hiking and anything outdoors."



JIM McNULTY, Black Hills Chapter Treasurer

"I worked 17 yrs + 10 yrs in Contract Electronics Manufacturing, and for Crazy Horse Memorial for 10 yrs + 15 yrs Mountain Carving. I am still at Crazy Horse Memorial part-time. In my free time, I enjoy camping, hunting, visiting kids & grandkids, and bicycle riding."



MEGAN BUURMA, Black Hills Chapter Past President

"Hello! I am the past president of the Black Hills Chapter of ISEE. I am a production engineer at Coeur Wharf in Lead, SD. In my spare time, I enjoy spending time with my husband, 4 kiddos and our 2 coonhounds."



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Get to Know Your BHC Board of Directors



BARON FIDLER,
Board of Directors

I work at Dyno Nobel for 27 years, currently supporting Corporate Account Customers who provide thermal coal and iron ore pellets within North America. I've been an ISEE member since early 1990s when I was struggling through college. I enjoy watching our son's soccer, upland bird hunting with our Brittany Hank, family fun on our oar-raft spending time floating and camping on Western rivers.



BILL CLEMENTS,
Board of Directors

I grew up in Colorado. US Army 1982 to 1992 (field artillery). Yenter Companies 1993 to 2007 driller/blaster. Co/owner Century Blasting Service, LLC, 2007 to present. Co/owner Responsibly Armed, LLC, 2013 to present. Co/owner Dakota Honey & Bee Supply, LLC 2019 to present.



ERIC WEYER,
Board of Directors

Hello, I am a board member for the BHC of ISEE. I am an account coordinator for DYNO Nobel in the Powder River Basin. I enjoy hanging out with the grandkids, golfing and camping.



JOAN CLEMENTS,
Board of Directors

I was a blaster, for Yenter Companies, for six years - 1995-2000. After leaving Yenter Companies, I worked for SDSM&T, in the registrar's office, for eight years - 2001-2008. After SDSM&T, Bill (while being co-owner for Century Blasting Service) and I started Responsibly Armed, LLC., where we do handgun training. I am a NRA Certified instructor and Enhanced Use-of-Force instructor, for the State of South Dakota. We have two granddaughters, that we love spending time with!



PAUL STERK,
Board of Directors

Past President of the Black Hills Chapter and has been a member since the Chapter was formed. Currently working as an Underground Consultant for Quick Supply Company and Director of International Sales for Stemlock Inc.



TONY TROUGHON,
Board of Directors

My name is Tony Troughon and I am currently the Technical Sales and Promotions Manager with Nelson Brothers Mining Services out of Gillette. I have been with Nelson Brothers for 16 years. I am currently a board member for the ISEE Black Hills Chapter and the Mining Associates of Wyoming. In my spare time I enjoy camping with my wife Tammy and golfing.

Other members of the Black Hills Chapter ISEE Board of Directors:

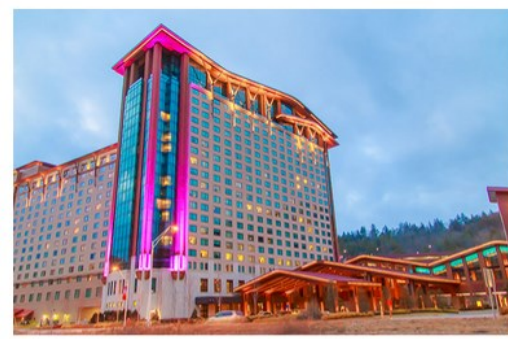
- Brett Hunter (Pete Lien & Sons)
- Dylan Haddix (Nelson Brothers)
- Steve Fildes (Pete Lien & Sons)

Registrations Now Open for ISEE's 51st Annual Conference in January

Join blasters, manufacturers, and industry leaders at the world's largest conference on explosives engineering. The 51st Annual Conference on Explosives and Blasting Technique will take place from January 21-26, 2025, in Cherokee, North Carolina.

The official [conference registration](https://isee.org/conferences/2025-conference) is now open, as well as [Exhibitor Registration](https://isee.org/conferences/2025-conference). You can click on those links or go to <https://isee.org/conferences/2025-conference>.

The conference will be held at the renowned Harrah's Cherokee Casino Resort. You can make your [hotel reservations](#) now. Please note, the default setting for all reservations through the direct link is for one night only. Remember to manually adjust your check-in and check-out dates during the booking process!



BHC Member Dan Sterk for ISEE Board

Soon the ballots for the 2024 ISEE Board of Directors will be coming out. Daniel Sterk would like your vote!

Dan is a long-time member of the Black Hills Chapter. Dan has been a part of the industry for over 24 years.

He has worked as a laborer on shot crews, been a Mine Drilling and Blasting Supervisor, the VP of Operations and a Product Manager for an Explosives Manufacturer. Dan is currently a Regional Safety Manager for Quick Supply.

Thank you in advance for your vote!

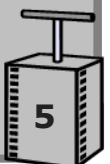


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Dwaine E. Arnold
Underwriting Manager

TWO LINCOLN CENTRE, 5420 LYNDON B. JOHNSON FWY, SUITE 1010
DALLAS, TX 75240-2345
TEL. (800) 766-6235 • (972) 644-0434
darnold@lancerinsurance.com • www.nobelinsurance.com
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"Life is what happens when
you're busy making other plans."
- John Lennon



WY DEQ-LQD Blasting Program Announcements

Wyoming Blaster Certification Class in Gillette, WY—Nov. 12-14

Wyoming DEQ will hold a Blaster Certification Class on November 12-14, 2024 at the Gillette College Tech Center, 3251 S 4-J Rd, Gillette, WY. Please contact Reo Barney at reo.barney@wyo.gov or (307) 675-5612 to register.

Wyoming Blaster Certification Class in Salt Lake City, UT— Jan. 14-16

Wyoming DEQ will hold a Blaster Certification class January 14-16, 2025 at the Best Western Plus Cotton Tree Inn, 10695 S Auto Mall Dr, Sandy, UT 84070. Please contact Reo Barney at reo.barney@wyo.gov or (307) 675-5612 to register.

For hotel reservations, contact the Best Western Cotton Tree Inn at (801) 523-8484 with code "Wyoming DEQ Blasting Class" to reserve a hotel room (\$128 plus tax per night).



This class fulfills the State of Utah requirements for new certification and renewal. Contact Levy Woodruff at lwoodruff@utah.gov or (801) 538-5352 for additional requirements from the State of Utah.

Wyoming DEQ Webinars for Blaster Continued Education Hours Program

Wyoming DEQ-LQD has hosted a series of webinars that were previously recorded and can be used for up to 16 Blaster Continuing Education Hours (BCEH).

There is no charge for the webinars and they are available to blasters outside of Wyoming.

For additional information, visit the Blasting webpage at <http://deq.wyoming.gov/lqd/coal/resources/blasting/>. The Affidavit of Attendance must be completed in order to receive BCEH. Multiple blasters and multiple webinars can be placed on the same Affidavit of Attendance.

Economic Impact of the Commercial Explosives Industry

From Institute of Makers of Explosives (IME) website, at <https://www.ime.org/aws/IME/pt/sp/economic-impact>

	DIRECT ECONOMIC IMPACT \$7.5B	SUPPLIER + INDUCED ECONOMIC IMPACT \$11.5B	TOTAL ECONOMIC IMPACT \$19.1B
The U.S. Commercial Explosives industry's economic impact extends to individual states and congressional districts nationwide.			
	DIRECT INDUSTRY JOBS 15,592	SUPPLIER + INDUCED ECONOMIC IMPACT 44,737	TOTAL JOBS 60,329
	DIRECT WAGES PAID \$1.7B	SUPPLIER + INDUCED ECONOMIC IMPACT \$3.3B	TOTAL INDUCED WAGES \$5.0B
	FEDERAL TAXES PAID \$1.3B	STATE TAXES PAID \$1.1B	

The commercial explosives industry value chain includes manufacturers, distributors and users. Often referred to as the ultimate power tool, commercial explosives are used for quarrying, mining critical minerals, producing both traditional (oil and natural gas) and renewable sources of energy, construction, and demolition. Commercial explosives are used in all 50 states and are essential to our modern way of life. If you use it or consume it, explosives make it possible!



What's Happening

Reports & News From Around the Industry

South Dakota Mines Announces 2024 Community Champions *(Surprise: One is a BHC member!)*

From South Dakota Mines News Releases on August 15, 2024, found online at <https://www.sdsmt.edu/news/releases/2024communitychampion.html>

South Dakota Mines recognized local business Pancheros Mexican Grill and business leader and alumnus Tyler Artz (*and Black Hills Chapter member*) as the 2024 Community Champions during the annual state of the university address.

This is the second year for the award, which recognizes a local community member, business, or organization that has dedicated time, treasure, and talent to further the university's mission.

Michael Dowding, senior lecturer in the Mines physics department, nominated Artz for the honor and said his presence on campus is as strong as it was when he was a student. "His love of the school and commitment to our community keeps bringing him back to campus and helping to integrate our faculty, staff and students with local businesses and the community at large," Dowding said. "He is truly a face of our community and makes our campus and Rapid City a great place to be."

Artz graduated from Mines in 2015 with a bachelor's in mining engineering and management and, in 2016, with a master's in mining engineering. He is a business development manager and paraplanner for Dakota Summit Financial Advisors, a financial advisory practice of Ameriprise Financial Services, LLC.

"South Dakota Mines assisted in the development of who I am. I never want to lose my connection with Mines and hope to continue to be a good steward for the university," Artz said. "I made a lot of friends while attending Mines that I still connect with, and it helped me find careers in the Black Hills, making it my



Dowding (right) present Tyler Artz (center) with the 2024 Community Champion award.

◀ South Dakota Mines Interim President Lance Roberts, Ph.D (left) and Michael

home. I had no idea where I'd be, and I'm thankful to Mines for the opportunities I took advantage of."

Artz served on the board for the Center for Alumni Relations and Advancement from 2017 to 2023 and currently provides alumni participation and support for the student engagement committee. Artz and his wife Laura (IE 15) attend many Mines athletic and alumni events.

Artz said he is honored to be a Mines community champion and sees it as a win-win for him and the groups he is involved with.

Amy DiRienzo, Mines CAMP director, and Mines student William Black nominated Pancheros Mexican Grill, citing owner Paul Mosey's fundraising support for the university's organizations.

"During the 2023-2024 academic year, CAMP teams hosted 31 fundraisers at the Rapid City Pancheros restaurant, with the restaurant donating nearly \$10,000 in profits to our teams," DiRienzo said. "CAMP teams are not the only Mines organizations that Pancheros supports, so their impact is even greater. Pancheros is a favorite for our students, and its total impact deserves recognition."



Additional Safety Reminders

Reminders from the MSHA website, with a few additional thoughts.

DRILLING

NEVER drill into explosive materials or into any hole that has contained explosive materials.

It is critical the responsible person laying out the drill pattern ensure the area has been properly prepared. Preparation usually consists of cleaning off material from the bench above to get down to grade or a hard surface. During this process the area needs to be inspected for any remaining blastholes. Inspection of any blastholes to ensure there are no explosive material from a prior blast event. One solution for inspection may be to use a water truck to help wash out rocks or material from a hole to ensure the hole is clean. Once the area has been prepared (cleaned and graded) then a new drill pattern may be laid out. Ensure that future drill holes are offset from a previous blast pattern so that we are not asking a drill operator to place a new hole directly where a previous hole ended. The distance a new drill hole should be from a previous blast hole should be clearly worded within the site-specific Drill and Blast SOP.

LOADING

ALWAYS check holes for proper depth or obstructions before bringing explosive materials to the blast site.

ALWAYS make sure the blast area is clear before loading a blast holes.

ALWAYS continually check the weather around the blast site for storms and lightning.

ALWAYS follow proper procedures when making up primers.

NEVER prepare primers until right before placing them in the boreholes.

NEVER use electric blasting caps during dust, snow, or electrical storms.

ALWAYS stop blasting operations if a storm is in the area.

NEVER force explosive materials into blocked boreholes.

ALWAYS be alert for holes that have voids or open bottoms.

ALWAYS use care when loading boreholes to minimize the potential of damaging insulation on leg wires.

NEVER let connections touch the ground.

NEVER use splices in boreholes.

NEVER use tamping tools that may generate sparks, heat, or electrical current.

NEVER load boreholes near electric power lines if there is any possibility that leg wires could contact power lines.

NEVER run equipment over loaded boreholes.

NEVER use electric blasting caps near radio transmitters or any source of static electricity.



15 Methods to Master Your Time

By Justin Mecham, found online at <https://www.linkedin.com/in/justinmecham/>

Pomodoro Technique



Eisenhower Matrix



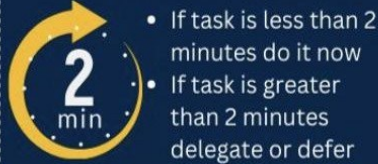
ABCDE Method



3-3-3 Method



2 Minute Rule



80/20 Method



Eat the Frog

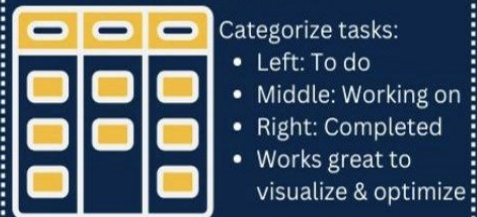
Do your most important and challenging tasks first part of each day



Getting Things Done



Kanban Board



Task Batching



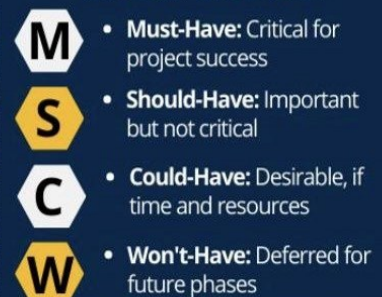
Time Blocking



Warren Buffet 5/25 Rule



MSCW Method



1 - 3 - 5 Method



Pickle Jar Method

- Do major tasks first
- Slot in minor tasks around the major ones
- Continuously assess and reprioritize tasks



Become a BHC Newsletter Sponsor

Like what you see in this newsletter? You have the opportunity to help sponsor it by placing your business card in this quarterly newsletter!

- For a contribution of \$100 per year (four issues), your sponsorship will not only help sustain our newsletter but also give you visibility among our chapter members and friends, students, suppliers, and industry personnel.
- The newsletter is distributed quarterly. As a sponsor, your name and logo will be featured in each edition, along with a link to your website or social media page.
- All business cards will be printed in full color. The size is 2" tall by 3.5" wide.
- Preferred formats for submission include JPG, GIF, or TIF. Please save as high-resolution with all fonts and images embedded. Email to carriej@sayreassociates.com.
- Your support means a lot to us! Thanks for considering!



Black Hills Chapter Contacts

Here are the 2024-2025 Black Hills Chapter Officers and Board of Directors. If you have any questions, comments or concerns, please contact one of these members. Your suggestions are greatly appreciated.

Darcey Baker, President

Pete Lien & Sons
dbaker@petelien.com

Randy Russell, Vice President

Nelson Brothers
rrussell@nelbro.com

Erik Carlson, Secretary

Buckley Powder Co.
Erik.Carlson@buckleypowder.com

Jim McNulty, Treasurer

Crazy Horse Memorial
James.McNulty@crazyhorse.org

Megan Buurma, Past President

Coeur Wharf
mbuurma@coeur.com

Bill Clements, Director

Century Blasting Service
bill.cbs@gmail.com

Joan Clements, Director

Century Blasting Service
jrbeagle03@me.com

Baron Fidler, Director

Dyno Nobel
Baron.Fidler@am.dynonobel.com

Steve Fildes, Director

Pete Lien & Sons

Dylan Haddix, Director

Nelson Brothers
DHaddix@nelbro.com

Brett Hunter, Director

Pete Lien & Sons
bhunter@petelien.com

Paul Sterk, Director

Stemlock & Quick Supply
sterk@rushmore.com

Tony Troughon, Director

Nelson Brothers
Ttroughon@nelbro.com

Eric Weyer, Director

Dyno Nobel
Eric.Weyer@am.dynonobel.com

Black Hills Chapter of ISEE
3213 W. Main #140
Rapid City, SD 57702

