

# SLAG RUNNER

## UPCOMING MEETINGS

**The National Slag Association welcomes and encourages active, allied, and associate members to attend committee meetings throughout the year.**

Procurement, Operations, Safety, Allied Committees  
June 22, 2022  
New Castle, PA

Marketing, Technical, Environmental Committees  
July 13, 2022  
Horsham, PA

Annual Meeting  
September 18th, 2022 - September 20th, 2022  
Isle of Palms SC

For registration and additional information, please visit the  
National Slag Association website at:

[www.NationalSlag.Org](http://www.NationalSlag.Org)

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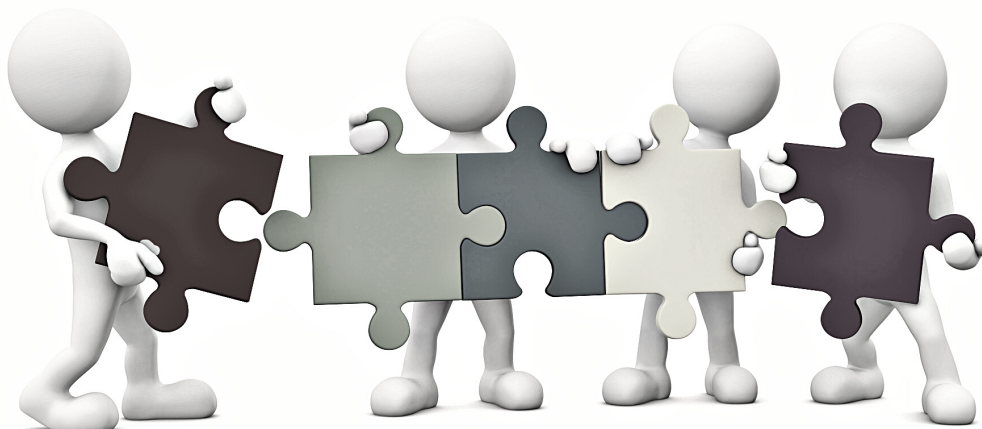
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## NSA LEADERSHIP

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The National Slag Association leadership team is comprised of numerous volunteers throughout the industry. Committee membership is open to any current member company of the National Slag Association. If you are interested in joining a committee, please feel free to contact one of the chair members below.

### **Allied Committee**

Al Atkinson (Pewag Group)  
Jim Alexander (Kenco Engineering)

### **Purchasing Committee**

Brian St Clair Sr (TMS International)

### **Safety Committee**

Jerimi Yost (TMS International)  
Clint McGinty (Phoenix)

### **Operations Committee**

Dale Gosselin (Phoenix Services)  
Ryan Hyatt (Edward C. Levy Company)

### **Marketing Committee**

Michael Costa (TMS International)  
Bob Onyshko (Harsco Environmental)

### **Environmental Committee**

Tom Green (Edward C. Levy Company)  
Glenn Hundertmark (Harsco Environmental)

### **Technical Committee**

David Dessureault (Harsco Environmental)  
Kelly Cook (Edward C, Levy Company)

### **Planning & Communications**

Erica Cliver (TMS International)

# HINDSIGHT 2020 AND COUNTING

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It's safe to say that the last few years have been unlike anything we would have imagined. Wildfires, COVID-19, quarantine, parents became teachers, Zoom meetings, murder hornets, protests, UFO's, and more COVID-19. As people around the world worked to adapt to the new normal, the National Slag Association was no different.

As March 2020 began, the National Slag Association was putting the final touches on the upcoming joint committee meeting that would be held at CONEXPO in Las Vegas, NV. As COVID-19 grew strength and became more prevalent in the United States, it became obvious that the event would not be able to continue safely.

By mid-march, many areas in the United States had mandated a "Shelter In Place" ordinance and businesses, both within the industry and not, braced for impact. We witnessed a rapid response around the world with a common goal of overcoming these difficult times and witnessed both hope and frustration among peers.

As the year continued, we would become more accustomed to staying home, attending work conferences via zoom, teaching our children common core math, and face-timing our family members that we were unable to see during these trying times. The National Slag Association would move the spring, summer, and annual conference to a virtual platform and members would work together to develop industry specific best COVID-19 practices, strategies, and tips for ensuring a safe workplace.

2021 quickly crept around the corner, delivering a small dose of optimism as the industry continued to remain strong and vaccine rollout plans were unveiled. The National Slag Association continued with virtual committee meetings but held hope throughout the year that the annual meeting would be able to take place in person at the Gaylord Hotel in Orlando, Florida.

Plans came to fruition in September 2021 as the 103rd National Slag Association meeting kicked off with great success! Attendees were delivered incredible presentations on industry specific safety, technical, and environmental concerns. This year, we held a panel discussion that was incredibly well received and delivered answers to audience questions by topic experts. The meeting wrapped up with the formal safety dinner and keynote speaker, Bill Sandbrook.

Each January, the leadership group meets to discuss goals and objectives for the year that they will work to achieve. The meeting was held virtually this year as concerns of increased COVID cases grew. Thankfully, as things began to settle down, the spring meetings were able to take place without issue and we are incredibly excited for the 2022 Annual Meeting at Wild Dunes, Isle of the Palms. We hope to see you there!



UPCOMING

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# 2022 ANNUAL MEETING

SEPTEMBER 18 - SEPTEMBER 21

The National Slag Association proudly invites you to the 104th Annual Meeting at Wild Dunes Resort in Isle of the Palms, South Carolina.

This years conference aligns with the continual theme of the NSA namely Stimulating Innovation through Continued Education. To achieve this theme, the conference topics will focus on ways to **"Engage, Educate, & Empower"** our members.

The event will begin on Sunday, September 18th, 2022 with event registration and the Allied Member Reception. Guests will interact with Allied Members to learn about industry specific products and network while enjoying hors d'oeuvres and an open bar.

The general assembly will begin Monday morning followed by the golf outing and other networking opportunities. Meetings will continue Tuesday morning and we will finish off the evening with the annual safety awards and formal dinner. Lastly, we will end this incredible conference on Wednesday with committee meetings and industry updates.

To register for the conference, visit [www.nationalslag.org](http://www.nationalslag.org)

For questions or concerns, contact Erica Cliver ([Ecliver@tmsinternational.com](mailto:Ecliver@tmsinternational.com)) or Charles Ochola ([cochola@nationalslag.org](mailto:cochola@nationalslag.org)).





### SMH Hosts Spring Committee Meetings

SMH Group, a long-standing member of the NSA, hosted the NSA spring 2022 Safety, Operations, Purchasing, and Allied member committee meetings held on March 16 – 17 at their Charlotte facility in North Carolina. During this event SMH showcased the Atlas 400 material handler and unveiled their newest material handler the Mantsinen 60, which has been designed with significant input from the mill service industry. The Mantsinen 60 was similarly displayed at ISRI's 2022 Convention and Exposition that was held in Las Vegas March 21-24.

Each committee provided insight to their progress, goals, and objectives for the 2022 year. The NSA would like to thank the SMH group and in particular Len Lawrence and his team for not only being such congenial hosts, but truly listening to plant operator concerns and desires.

The summer meeting will be held on June 21 and June 22, 2022 in New Castle, PA. This meeting will be hosted by Allied member, MLTUS.



## Technical, Environment, and Marketing Committees

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### **Edward C Levy Laboratories hosts Spring Committee Meeting**

The Technical, Environment, and Marketing committees held their committee meetings on March 9th, 2022, at the Edward C Levy laboratories. The marketing committee highlighted the need for articles and success stories that could be incorporated in the slag runner and discussed the need for increased steel mill participation within our committees and specifically at the annual meeting to discuss the challenges and opportunities for slag products. They tasked each of the four active member companies to invite at least 2 steel mill representatives to the NSA meetings.

John Yzenas gave an update on the industry slag Environmental Product Declaration (EPD) project that is ongoing and informed the committees that this process should be concluded the end of 2022. An Environmental Product Declaration (EPD) is defined by the International Organization for Standardization (ISO) 14025 as a Type III declaration that "quantifies environmental information on the life cycle of a product to enable comparisons between products fulfilling the same function." The objective is that this industry EPD would serve as a template for each active member company that desires to pursue specific EPDs for their respective products to improve their sustainability goals, and to demonstrate a commitment to the environment and their customers.

The Environment committee discussion was initiated with industry updates on ongoing or recent issues in the various states that impact the utilization of slag products. The technical committee pointed out that there was a need to address the blast furnace slag leachate issue in the state of Indiana and the request by the Indiana Department of Environmental Management (IDEM) to either develop or recommend a test method that would be able to accurately predict the potential for leachate occurrences. The Technical committee has put out a request for proposals to study and help identify how to best mitigate or eliminate leachate occurrences. The technical committee also pointed out that they have been conducting hardness study on slag products to index hardness and durability as a characteristic of iron and steel slag products.

The primary discussion between the three committees centered on the ongoing National Academy of Science, Engineering, and Medicine (NASEM) evaluation of the risks associated with the unencapsulated uses of electric furnace slag. An update was given on the progress of the industry research related to the risk assessment of slag products, and it is anticipated that the risk assessment of EAF slag products would be concluded by September. The environmental and technical committee also informed the group that they have initiated, and additional research project related to the risk assessment that evaluates certain aspects of slag products to better characterize their morphology. This project will be utilizing X-ray absorption near edge spectroscopy (XANES) to study the various states that the constituents within the slag matrix would exist. There was also a discussion on the Leaching Environmental Assessment Framework (LEAF) testing a procedure that is being utilized by US EPA to evaluate slag products but is not common or standard practice within the industry. There are challenges associated with LEAF testing that necessitate the industry pay close attention to how the results are interpreted and what the implications of these results mean to the slag industry.

The summer technical, environment, and marketing committees will be held on July 13th, 2022 at the TMS International corporate office in Horsham PA.



## **QUALITY CONTROL PROCEDURES TO ENSURE CUSTOMER SATISFACTION**

We have all seen at one time or another where quality control has failed, and a less than desirable product was delivered to your customer and strained the relationship. Quality control covers a wide variety of aspects, but one of the simplest quality measures to implement is monitoring your load out procedure.

The surest way to lose a customer or cause a potential public relations/environmental issue, is to load a material that contains deleterious material or out of specification. A few minutes a day could save you, your company, and the NSA significant issues.

Below are eight procedures to consider implementing at your sites:

- Prior to loading trucks for shipment, the front-end loader operator will inspect the finished stockpile for oversized material and deleterious material as well as inspecting the material for a uniform physical consistency.
- The front-end loader operator will inspect the bucket for any oversized/deleterious materials. Any and all oversized and/or deleterious material shall be removed prior to loading.
- Loader operator will visually inspect material while loading to ensure that no clumping or frozen material is present.
- If clumping or frozen material is present, the use of the loader will be necessary to remove or re-work the material until the physical consistency becomes uniform.
- Loader operating should approach the stockpile with the loader bucket slightly elevated from the ground. This will insure deleterious or out of spec material that could be near the stockpile does not end up in the customer's truck.
- If the proper physical consistency of the material cannot be attained using the front-end loader, the material shall be re-processed through the aggregate separating plant until the uniform consistency is reached.
- Snow or crushed ice shall be removed from the finished stockpile prior to loading the material for shipment. Frozen or clumped material shall be re-processed through the aggregate separating plant.
- Material should be loaded to the front of the bed of the transport vehicle or trailer to assure the weight is over the load bearing axles. Transports will be loaded as per the legal weight restrictions.

Reviewing these steps on a regular basis with your loader operators will help to ensure your material arrives to the project and meets all of the needs of your customer.





## MOVING UP WITH LEVY TECHNICAL LABORATORIES



in May of 2021, the team at Edw. C. Levy Co.'s – Levy Technical Laboratories opened the doors at their new facility in Portage, IN. Over the course of six months, this 7000 ft<sup>2</sup>. facility was remodeled to create a state-of-the-art facility for iron and steel slag testing. The new lab has over 5000 ft<sup>2</sup> of testing space, with dedicated laboratory rooms for testing, and the remaining 2000 ft<sup>2</sup>. includes offices and conference space. Our AASHTO R-18 and ISO-17025 accredited laboratory can perform over 200+ AASHTO, ASTM, State, and EPA methods for customers. With dedicated lab spaces, a dedicated air handling system, and equipment to test asphalt, concrete, aggregates, soils, glass and more, Levy Technical Laboratories is the leader in iron and steel slag testing.

Contact Levy Technical Laboratories today for a tour and to learn how they can help you with your testing and research needs





## ALLIED MEMBER SPOTLIGHT



In recognition of the NSA Allied Members and their constant support, we would like to recognize MLTUS in our Allied Spotlight!

Magnetic Lifting Technologies US, located in New Castle, PA, has been serving and sharing the knowledge and expertise the Slag Industry needs about magnets. MLTUS joined the NSA in 2010. MLTUS has a wealth of magnet expertise and works for you and with you to help reduce costs and help your bottom line. Their superb Engineering Department has custom made magnets for specific slag applications and has educated and helped resolve system problems encountered at their Slag sites.

MLTUS is a leader in pioneering the future in magnet technology today. With onsite inspections and "Magnet Awareness" classes offered to the NSA slag companies, MLTUS has played an integral part in reducing maintenance costs. In 2015, they introduced the Armadillo Lead Protection System to the industry to protect the leads on magnets from getting severed. MLTUS also makes a Taylor Designed (TD) magnet for the industry to help compensate for the natural abuse slag gives a magnet. That design has proven to extend the life of a magnet. With just one phone call, the MLTUS parts department can supply you with all needed parts used in a magnet system.

MLTUS is proud to be an allied member of a great organization and are hosting the NSA quarterly meeting on Wednesday June 22nd. On Tuesday, the 21st at 2:00 PM, MLTUS will be offering attendees a tour of their facility.

## SAFETY SLOGAN

The National Slag Association Safety Committee is looking for the most creative and meaningful safety slogan. The best safety slogan will be used for the NSA hard hat decal in the year 2023.

Please email your slogan on the form below (six words or less), by July 1st to Jerimi Yost - Chair of the Safety Committee: [jyost@tmsinternational.com](mailto:jyost@tmsinternational.com)

The winning slogan will be selected by the NSA committee chairs. The person with the best slogan will win a NSA jacket!



Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Telephone (    ) \_\_\_\_\_

E-mail: \_\_\_\_\_

Slogan (Six words or less)

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\_\_\_\_\_  
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**2021 WINNER:**

**Jeremy Henry  
TMS International**

