



Wyoming Solid Waste & Recycling Association 2022 Annual Conference

Powell Wyoming Conference Agenda



Wyoming Solid Waste & Recycling Association

We welcome you to Powell Wyoming!



The Park County Fairgrounds located in Powell Wyoming which is in the Northwest corner of Wyoming. Powell is 75 miles east of Yellowstone National Park and 98 miles south of Billings, Montana. Lying between the Big Horn Mountains on the east and the Absaroka Range on the west, clear blue skies, clean air, a pleasant temperate climate, and loads of sunshine make the Powell Valley a great place to live and visit. The Park County Fairgrounds are centrally located in Powell and makes a perfect spot to host any sized event or gathering.

The Wyoming Solid Waste & Recycling Association welcomes you to the 2022 Annual Conference.

The WSWRA Annual Conference Powell Wyoming 2022

Welcome to Powell Wyoming! Time to kick back with your colleagues and enjoy a few days of learning, team building, and networking. You have earned it!

The Solid Waste and Recycling industry is a busy and ever evolving industry. Each year, we are faced with new challenges, new innovations, and new people working in our groups. The constant change in our industry leads to new challenges and opportunities. It is very important to meet each year to keep in touch with everything that has changed in our industry.

The WSWRA Team is committed to providing a solid and informative conference each and every year. Enjoy what Powell has to offer and get ready for a great conference!



“

To leave the world better
than you found it, sometimes
you have to pick up other
people's trash

Bill Nye the Science Guy

”




Explore Nearby Heart Mountain:

The Historical Heart Mountain WWII Japanese American Confinement Site:

President Franklin D. Roosevelt signed Executive Order 9066 on February 19, 1942, authorizing the military to designate "military zones." General John L. DeWitt subsequently issued "Instructions to All Persons of Japanese Ancestry" on March 2, 1942. The instructions, posted in prominent places throughout the Japanese American community, indicated where and when the Issei and Nisei (Japanese immigrants and first generation American citizens of Japanese ancestry) were to report with their belongings. Many Issei had their bank accounts and assets frozen, and even those who wanted to move to a non-military zone at that point could not afford to do so. Those who were being forcibly removed were given just a few days or a couple of weeks to sell their belongings, close their businesses and homes and report to "assembly centers."

On January 1, 1943—at the camp's peak—10,767 people were confined there. During the 1,187 days the camp was open, more than 14,000 prisoners passed through. Incarcerees lived in barracks that were laid out in 20 blocks separated by unpaved roads. Each block held 24 barracks buildings, two mess halls, two buildings housing latrines and laundry facilities, and two recreation buildings.



Through photographs, artifacts, oral histories, and interactive exhibits, visitors to the Interpretive Center experience life at Heart Mountain through the eyes of those Japanese and Japanese Americans who were confined here during WWII. The Interpretive Center provides an overview of the wartime relocation of Japanese Americans, including the background history of anti-Asian prejudice in America and the factors leading to their enforced relocation and confinement.





Welcome to Powell! Seven Powell Facts:

01

Population 6,238 as of the 2020 census.

02

Named after John Wesley Powell, explorer and director of the Geological Survey of the US.

03

Incorporated in 1910

04

Heart Mountain WWII Japanese American Confinement Site is located a short drive from Powell. This site is restored to preserve the history of the more than 14,000 that were incarcerated at the site.

05

Elevation 4393' above sea level.

06

Located in Park County, Wyoming, with a population of 29,624.

07

Powell is proud to host the WSWRA 2022 Annual Conference! Welcome to Powell Wyoming!



Travis Evans
President WSWRA
2020-2022



Welcome to Powell Wyoming!

On behalf of the WSWRA Board, it's my honor to welcome you to Powell, Wyoming for the 2022 WSWRA Conference. I would like to thank each of you for traveling to Powell to attend this year's conference.

Our conference would not happen if it wasn't for our sponsors, several individuals, and our current Board Members. Our sponsor's financial contributions make this event affordable for every attendee. Please be sure to thank our sponsors when you get the opportunity. Myron Heny was instrumental in convincing our membership to hold the conference in Powell this year. Myron has been cracking the whip and helping organize this year's event since the 2021 conference. Please be sure to thank Myron for all he's contributed to help us organize this year's conference. Beau Peck has been spending countless hours behind the scenes maintaining our website, sending out our monthly Used News newsletters, and coordinating this year's conference. Finally, your Board has been active behind the scenes assisting with the conference, providing input on WDEQ/SHWD rule changes, and preparing By-law changes for your consideration during this year's business meeting.

This year we have several Board positions to fill at our annual Membership meeting. We are looking for hardworking professions that have the support of their employer to make a three-year commitment to WSWRA. The positions up for election this year, and the respective incumbents, include:

- Industry (Travis Evans)
- Professional Engineer (Eric Graney)
- Member-at-Large (Vacant)

If you are interested in serving on the Board, please contact any Board member by the end of the day on Tuesday. I look forward to catching up with each of you throughout the conference. If you have time, please take this opportunity to visit some of the area's attractions and support local businesses.

Thank you! - Travis Evans

The Wyoming Solid Waste & Recycling Association is celebrating its 40th conference and 40th year anniversary.

CELEBRATING FOURTY YEARS



**Wyoming Solid Waste
& Recycling Association**

WOW! It's been 40 years already? A history of WSWRA by Myron Henry:

In 1978, I was appointed Sanitation and Public Health Superintendent for the City of Powell. One of the responsibilities I inherited was the city's "dump." I knew nothing about the proper burial of solid waste. Our dump was contracted out to a local operator who also knew nothing about

proper disposal of solid waste. I spent the first year going with his ideas and did not realize that we were operating improperly.

The following year, we were inspected by Charlie Porter of the DEQ. He found that areas in drainage below our trash burial liquid seepage were turning sagebrush and local vegetation white. Charlie Porter informed me we needed to change our methods of operation. He gave me a brochure of the DEQ Regulations to study along with some helpful suggestions. He also mentioned he would be hosting a DEQ Landfill Seminar in Jackson in April and strongly suggested I attend.

At the April seminar that was attended by only a few operators from around the state, the DEQ presented the rules and suggested methods for handling solid waste at all state landfills. No equipment businesses or landfill engineers attended this seminar, so we had no outside expertise to draw upon. I left Jackson feeling nothing major was accomplished.

The following year, the DEQ again requested a meeting with dump and landfill operators to attend this year's seminar. It was expanded to introduce the new one-man collection systems by the towns of Riverton, Powell, and Douglas. Only about 15 towns and county representatives attended this meeting. Charlie Porter was very disappointed and also stated unless something changed, the DEQ would no longer sponsor these seminars as they were not producing their desired results with dump and landfill operators.

At supper the evening after the seminar, Ken Fagan, Fremont County Solid Waste Superintendent; George Oetkin, Solid Waste Superintendent for City of Riverton; and myself discussed a suggestion that Charlie Porter had made about perhaps forming some type of solid waste organization. We contacted Charlie Porter and asked for the addresses of all the solid waste handlers in Wyoming. We also contacted WAM (Wyoming Association of Municipalities), for addresses for the cities in Wyoming to mail them an invitation to attend a seminar on solid waste issues to take place in Riverton at the Holiday Inn.

In 1982, the three of us (Oetkin, Fagan, and Heny) hosted our first seminar of about 35 attendees. After initial discussions and ideas put forth by everyone attending, it was decided to form the Wyoming Solid Waste Association. Some rules were adopted at this time, and a temporary board of directors was put into place. I was elected the first president and temporary secretary/treasurer. I served one year as president. Also at the 1982 seminar, Howard Johnson of Inberg-Miller Engineering became an integral part of our organization. He became our second president and keeper of our records the next year. I served on the board, and the board determined what categories what board members would be elected to and terms of service. This has changed over the years to adapt to our adding the Recycling Association to the Wyoming Solid Waste Association. I later became the permanent secretary/treasurer of the association for 33 years. I feel extremely fortunate to have served with many great presidents of our association since the formation in 1982.

Our seminars have evolved to many different locations over the years, and engineering firms and equipment companies now provide information on all types of solid waste handling equipment and management/operation of landfills. Over the years, the DEQ has been a supporting state regulatory agency to help landfills and cities handle solid waste in environmentally approved manner.

I am very proud of the past and present of the Wyoming Solid Waste and Recycling Association and what they have accomplished with the Legislature and governors to help bring our landfills and collection systems as some of the best in the United States. If you would like to visit with me about any other history, I will be at the seminar in Powell in August. See you there! - Myron Heny

“

What is your favorite part of the WSWRA Conferences?

“The people, they are all great people. Blue collar hard working people that have best interest with the State of Wyoming at heart”.

”

Myron Heny

WSWRA Founder (Retired)

1982 **40** 2022



**Wyoming Solid Waste
& Recycling Association**

Event Sponsors

Without the contributions by our generous event sponsors, The Wyoming & Solid Waste Association's Annual Conference would be double the cost to our membership. Thanks to the generosity of all of our sponsors, we are able to help keep pricing for attending the conference as low as possible for our membership. We invite you to network with all of our great sponsors. Each and everyone of them provide essential services to the Solid Waste and Recycling Industry. Take a moment to thank our sponsors for their contribution to this conference. Connect with them to make sure you are utilizing all of the tools that are needed to perform your job as efficiently as possible.

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Interested in becoming a WSWRA Board Member?

Commitment is a three year term, and you can help with the growth of Wyoming's Solid Waste & Recycling future! The board meets remotely as needed (about once per month), and in person once prior to the conference for conference planning. The board's main roles are planning the Annual Conference and promoting waste diversion. Participation is required for the entire week of the conference.

Contact a board member to place your name on the ballot for election during the Annual Membership Meeting on Wednesday.



Meet your 2022 WSWRA Board Members & Staff:



Travis Evans:
WSWRA President.
Industrial Facilities
Team Leader at
Trihydro
Corporation.



Eric Graney:
WSWRA Secretary
Treasurer.
Hydrogeologist at
Inberg-Miller
Engineers.



Craig McOmie:
WSWRA Board
Member. Program
Manager at
Wyoming DEQ



Andy Frey: WSWRA
Board Member.
Superintendent at
Fremont County
Solid Waste -
Riverton and
Lander Wyoming.



Beau Peck: WSWRA
Executive Director.
Director of Marketing
& Zero Waste
Services at Interwest
Paper, Inc.



Ron Taylor:
WSWRA Board
Member. Facilities
Operations Manager
at Uinta County
Wyoming



Jerry Hamel:
WSWRA Board
Member, Pawnee
Waste



Sally Wight:
WSWRA Board
Member,
Sublette County
Pinedale
Recycling Center



**Michael
McAllister: :**
WSWRA Board
Member, Baggs
Wyoming Solid
Waste Disposal
Dist.

Monday - Schedule of Events

August 22nd

Monday August 22nd 2022: Park County Fairgrounds & Powell Golf Club

10:00 am - 11:00 am	Board Meeting - Pre Planning Kick off Meeting (Board Members / Event Volunteers Only) Park County Fairgrounds: Heart Mountain Hall
10:00 am - 7:00 pm	Vendor Booth Set Up Park County Fairgrounds: Heart Mountain Hall
11:00 am - 3:00 pm  	Golf Networking Event Powell Golf Club 600 WY-114 Powell WY 82435 Pre Registration Required. Sponsored by Wyoming Machinery and Reich Company
3:00 pm - 5:00 pm	Landfill Operator / Manager Instruction Test Review and Testing Timothy Reed, WDEQ Solid Waste Permitting Park County Fairgrounds: Heart Mountain Hall Workroom. We are limited on computers this year. If you have a spare laptop available please bring it to the class. Exams will be performed online.
5:00 pm - 9:00 pm 	Event Registration and Welcome Reception Park County Fairgrounds: Heart Mountain Hall Sponsored by: Altitude Recycling Equipment Light Refreshments Provided



Enjoy a Round of Golf in Powell

The Golf Networking event is always a favorite of the conference. Enjoy 18 holes with WSWRA attendees during our Monday golf event.

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Travis Evans, P.E. | Engineering Specialist
307-461-6114 | tevans@trihydro.com

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**Burns & McDonnell is a Gold
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Annual Conference!**



Tuesday - Schedule of Events

August 23rd

Tuesday August 23rd 2022: Park County Fairgrounds

6:30 am - 7:00 am	Vendor Booth Set Ups
7:00 am - 8:00 am	Event Registration Park County Fairgrounds: Heart Mountain Hall
7:00 am - 8:00 am 	Breakfast - Buffet Style Breakfast - Sponsored by Burns & McDonnell Park County Fairgrounds: Heart Mountain Hall
8:00 am - 8:30 am 	Networking Break / Exhibitor Break - Sponsored by: HDR Park County Fairgrounds: Heart Mountain Hall
8:30 am - 9:00 am	WSWRA Conference Kick Off: Park County Fairgrounds: Heart Mountain Hall WSWRA President Travis Evans and Myron Heny. Welcome to Powell Wyoming Agenda overview and house keeping notes. Conference Welcome: City of Powell Intro from Powell Mayor John Wetzel Request for new Board Members. If you are interested in becoming a WSWRA board member we have open positions to fill. Please see any WSWRA Board Members to sign up!

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Tuesday August 23rd 2022: Park County Fairgrounds

9:00 am - 9:50 am	<p>Keynote Speaker: Park County Fairgrounds: Heart Mountain Hall</p> <p>New EPA Grants and Tools for Solid Waste and Recycling Infrastructure and Education</p> <p>Virginia Till, EPA Region 8</p> <p>Come learn the facts and have a discussion about the new recycling infrastructure grants and education EPA will release in fall 2022.</p> <p>\$275 million has been provided for Solid Waste Infrastructure for Recycling (SWIFR) grants. This includes \$55 million per year from Fiscal Years 2022 to 2026 to remain available until spent. These grants will provide money to improve post-consumer materials management and infrastructure; support improvements to local post-consumer materials management; and recycling programs and assist local waste management authorities in making improvements to local waste management systems.</p> <p>A Recycling Education and Outreach Grant and a best practices Toolkit will also be included. The Toolkit will contain information that can be widely applied across residential recycling programs including:</p> <ul style="list-style-type: none">• A standardized set of terms and examples that may be used to describe materials that are accepted by a residential recycling program.• Educational principles on best practices for the collection and processing of recycled materials.• A community self-assessment guide to identify gaps in existing recycling programs.• Training modules that enable States and nonprofit organizations to provide technical assistance to units of local government.• Consumer educational materials that can be adapted and used in recycling programs.
9:50 am-10:10 am	<p>Networking Break / Exhibitor Break - Sponsored by: CMI Teco</p> <p>Park County Fairgrounds: Heart Mountain Hall</p>



Tuesday August 23rd 2022: Park County Fairgrounds

10:10 am -11:20 am	<p>Chronic Wasting Disease in Wyoming and Disposal Opportunities Park County Fairgrounds: Heart Mountain Hall</p> <p>Presented by: Wyoming Game and Fish</p> <ul style="list-style-type: none">• Hank Edwards, Wildlife Health Lab Supervisor• Rene Schell, Information and Education Specialist, Lander Region <p>Fremont County Solid Waste Disposal District</p> <ul style="list-style-type: none">• Andrew Frey, P.E., Superintendent of Operations <p>The Wyoming Game and Fish Department and the Fremont County Solid Waste Disposal District will present on the status of Chronic Wasting Disease in deer species (i.e. Mule Deer, Whitetail Deer, Moose and Elk) in Wyoming, and the multi-year cooperative effort the two groups have developed to ensure a disposal opportunity in Fremont County for deer species carcasses.</p> <p>During calendar year 2017, the Wyoming Game and Fish and the Fremont County Solid Waste Disposal District started conversations about developing a fee waiver for deer species carcass disposal in Fremont County to ensure that all members of the county would have an easy and cost-free disposal option. The goal of the project is to reduce dumping of carcasses outside of approved landfills and hopefully reduce the spread of diseases on the landscape.</p>
11:20 am - Noon	<p>Wood Waste Reuse Options</p> <p>Morgan Wardell, Stantec</p> <p>A brief overview of beneficial reuse of wood waste products including stormwater treatment, erosion control, and other alternatives.</p>
Noon - 1:00 pm	<p>Lunch Break - Sponsored by: Trihydro</p> <p>Park County Fairgrounds: Heart Mountain Hall</p>



Tuesday August 23rd 2022: Park County Fairgrounds

1:00 pm - 1:20 pm	Networking Break / Exhibitor Break Park County Fairgrounds: Heart Mountain Hall
1:20 pm - 2:00 pm	Grant Opportunities from The Recycling Partnership and How to Leverage Vincent Leray, The Recycling Partnership We know Grants for Recycling Programs are available. How do we utilize them to our advantage? Learn about what programs are offered by The Recycling Partnership, a non profit promoting recycling programs across the nation.
2:00 pm - 2:30 pm	Networking Break / Exhibitor Break - Sponsored by: Power Screening Park County Fairgrounds: Heart Mountain Hall



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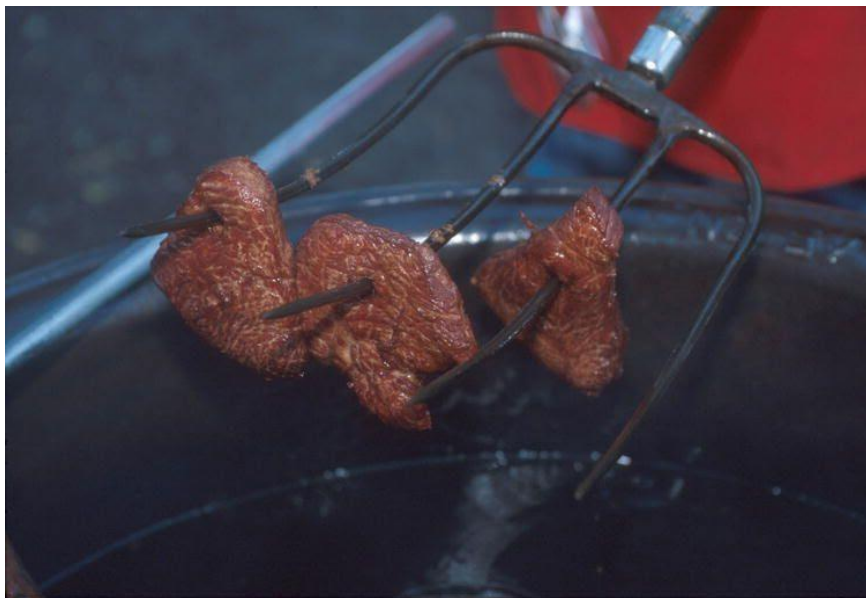
Who is Ready for Pitchfork Steaks & Horseshoes?

The Evening Dinner and Horseshoe event at the Annual Conference is one of the highlights of the conference. This event is held Tuesday Evening at the Park County Fairgrounds.

Enjoy a great meal provided by the Gonzales Family, local corn on the cob, and catering from the Fraternal Order of Eagles.


Following the great food, stick around for the annual horseshoe tournament. This event is free and sign ups are free. Teams will be selected at the event. Winners receive a jacket and the claim to fame of being a WSWRA Horseshoe Champion!

Beer and Beverages provided at the event!



Pitchfork Steaks will be at the top of the menu for the Tuesday Night Event!

Tuesday August 23rd 2022: Park County Fairgrounds, Powell Transfer Station, Park County C&D Landfill, Powell Valley Recycling.

<p>2:30 pm - 5:00 pm</p> 	<p>City of Powell Wyoming Transfer Station Tour, Park County C&D Landfill, & Powell Valley Recycling Tour.</p> <p>Sponsored by: Humdinger Equipment</p> <p>Drive on your own to the following:</p> <p>City of Powell Transfer Station: 413 N Ingalls St, Powell WY. Led by Allen Griffin.</p> <p>Park County C&D Landfill: 1001 Road 5, Powell WY Led by Travis Ball.</p> <p>Powell Valley Recycling: 946 Rd 10 Powell WY Led by Myron Heny and Powell Valley Recycling Staff.</p>
<p>5:00 pm - 6:00 pm</p>	<p>Conference Break</p> <p>Enjoy a break before the evening festivities!</p>
<p>6:00 pm - 6:45 pm</p>  	<p>Pitchfork Steak Dinner & Networking Event Sponsored by Inberg Miller Engineers & ISCO Pipe</p> <p>Park County Fairgrounds: Outside Pavilion</p> <p>Catering / Beer / Soft Drinks Provided by: Fraternal Order of Eagles</p> <p>Pitchfork Steaks Provided by: Rodriguez Family</p>
<p>6:45 pm - 10:00 pm</p> 	<p>Horseshoe Pitching Contest & Corn Hole Contest at Park County Fairgrounds, Outside near entrance to Park.</p> <p>Park County Fairgrounds: Main Entrance & Outside Pavilion</p> <p>Sponsored by: KOIS Brothers Equipment</p>



Wyoming Solid Waste & Recycling Association



City of Powell Transfer Station

Tipping Floor and MSW Loading

Park County Landfill
Since 2014 MSW from Powell has been sent to Billings MT for Disposal. With a new agreement, MSW will be sent to the Park County Landfill near Cody Wyoming.



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Environmental Team



Eric Graney, P.G.,
President & CEO, Hydrogeologist,
Secretary/Treasure WSWRA



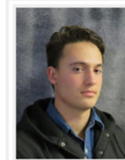
Jamie Kuklok,
Environmental Scientist



W. Eric Nunn, P.E.,
Civil & Environmental
Engineer



Ryan Vazquez, P.G.,
Geologist



Esjay Schroeder, G.I.T
Geologist



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Wednesday - Schedule of Events

August 24th

Wednesday August 24th 2022: Park County Fairgrounds

7:00 am - 8:00 am	Breakfast - Buffet Style Breakfast Sponsored by Stantec				
 Stantec	Park County Fairgrounds: Heart Mountain Hall				
8:00 am - 10:00 am	Technical Presentations (Concurrent Sessions #1 and #2) <table><tr><td colspan="2">#1 Landfill / Transfer Station Track Park County Fairgrounds: Heart Mountain Hall</td></tr><tr><td>8:00 am</td><td>Scale House Technology Advances with Digital Scales and Cloud Based Scale Software Cindie Langston, City of Casper The City of Casper is replacing a 1983 manual scale system with new digital capabilities and will explain the improved processes and efficiencies with the technology and software research to improve efficiencies with record keeping associated with free landfill passes and cloud based software platforms for invoicing customers.</td></tr></table>	#1 Landfill / Transfer Station Track Park County Fairgrounds: Heart Mountain Hall		8:00 am	Scale House Technology Advances with Digital Scales and Cloud Based Scale Software Cindie Langston, City of Casper The City of Casper is replacing a 1983 manual scale system with new digital capabilities and will explain the improved processes and efficiencies with the technology and software research to improve efficiencies with record keeping associated with free landfill passes and cloud based software platforms for invoicing customers.
#1 Landfill / Transfer Station Track Park County Fairgrounds: Heart Mountain Hall					
8:00 am	Scale House Technology Advances with Digital Scales and Cloud Based Scale Software Cindie Langston, City of Casper The City of Casper is replacing a 1983 manual scale system with new digital capabilities and will explain the improved processes and efficiencies with the technology and software research to improve efficiencies with record keeping associated with free landfill passes and cloud based software platforms for invoicing customers.				

Wednesday August 24th 2022: Park County Fairgrounds

8:00 am - 10:00
am

Technical Presentations (Concurrent Sessions #1 and #2)

#1 Landfill / Transfer Station Track

Park County Fairgrounds: Heart Mountain Hall

8:40 am

Stellar Waste Systems Web App 2022 Release! Scale House Ticketing & Invoicing

Patricia J McKenzie, Stellar Programming & Consulting, Inc.

Stellar Programming & Consulting, Inc. (StellarStar.com) is proud to present our new *Stellar ScaleTech* web app for Scale House Ticketing and Invoicing. Our Wyoming-based company has designed and developed database software applications for over 37 years.

This new web app leverages Stellar's decades of business app programming experience to create a smooth, secure workflow. Intuitive wizards and user-friendly dashboards are employed to deliver data to you instead of making you look for it!

In this session you will learn about *Stellar ScaleTech's* solutions that save time and money for your operations.

9:20 am

Phytoremediation Introduction and Riverton Landfill Pilot Study Update

Eric Nunn P.E., Inberg Miller Engineers

This presentation will cover a brief introduction into phytoremediation technology and provide an update on the current pilot study at the Old Riverton Landfill including goals, challenges, and possible full scale implementation.

Wednesday August 24th 2022: Park County Fairgrounds

<p>8:00 am - 10:00 am</p>	<p>Technical Presentations (Concurrent Sessions #1 and #2)</p> <table border="1"><tr><td colspan="2"><p>#2 Recycling / Diversion Track Park County Fairgrounds: Homesteader Hall</p></td></tr><tr><td data-bbox="317 326 416 573"><p>8:00 am</p></td><td data-bbox="416 326 934 573"><p>Strategies to Support Drop-Off Recycling Programs</p><p>Vincent Leray, The Recycling Partnership</p><p>How to promote your current or future drop off program and make it a success.</p></td></tr><tr><td data-bbox="317 573 416 857"><p>8:40 am</p></td><td data-bbox="416 573 934 857"><p>Anti-Contamination Strategies for your Recycling Program</p><p>Vincent Leray, The Recycling Partnership</p><p>Review education and outreach strategies on ways to keep your recycling stream cleaner from the public</p></td></tr><tr><td data-bbox="317 857 416 1084"><p>9:20 am</p></td><td data-bbox="416 857 934 1084"><p>Animal Mortality Composting</p><p>Mike Ragsdale, Eastern Laramie County Timothy Reed, WDEQ</p><p>Mike Ragsdale and Timothy Reed will discuss animal mortality composting.</p></td></tr></table>	<p>#2 Recycling / Diversion Track Park County Fairgrounds: Homesteader Hall</p>		<p>8:00 am</p>	<p>Strategies to Support Drop-Off Recycling Programs</p> <p>Vincent Leray, The Recycling Partnership</p> <p>How to promote your current or future drop off program and make it a success.</p>	<p>8:40 am</p>	<p>Anti-Contamination Strategies for your Recycling Program</p> <p>Vincent Leray, The Recycling Partnership</p> <p>Review education and outreach strategies on ways to keep your recycling stream cleaner from the public</p>	<p>9:20 am</p>	<p>Animal Mortality Composting</p> <p>Mike Ragsdale, Eastern Laramie County Timothy Reed, WDEQ</p> <p>Mike Ragsdale and Timothy Reed will discuss animal mortality composting.</p>
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<p>10:00 am - 10:30 am</p> 	<p>Networking Break / Exhibitor Break Sponsored by: RDO Integrated Controls</p> <p>Park County Fairgrounds: Heart Mountain Hall</p>								

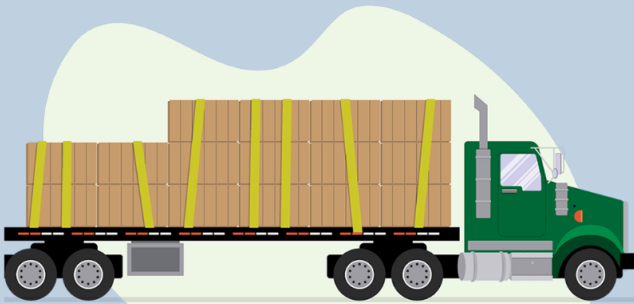


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Wednesday August 24th 2022: Park County Fairgrounds

10:30 am - Noon	<div data-bbox="322 159 948 215">Technical Presentations (Concurrent Sessions #1 and #2)</div> <div data-bbox="322 240 923 1495"><div data-bbox="335 256 910 313">#1 Landfill / Transfer Station Track Park County Fairgrounds: Heart Mountain Hall</div><table><tr><td data-bbox="335 329 492 1495">10:30 am</td><td data-bbox="492 329 910 1495"><div data-bbox="505 345 898 435">Landfills and PFAS: Regulatory Updates and Cost-Effective PFAS Leachate Treatment</div><div data-bbox="505 467 852 500">Kate Garufi, HDR Engineering</div><div data-bbox="505 532 910 1101"><p>Per- and Polyfluoroalkyl Substances (PFAS) are a class of synthetic organic compounds that have at least one fluorinated carbon atom. This bond is the strongest organic bond in nature and is responsible for the unique and useful characteristics of these compounds but is also what makes them resistant to degradation. PFAS compounds are contained within the waste materials received at landfills. Landfill leachate can be a significant source of PFAS discharged to municipal wastewater treatment facilities, and generally, municipal wastewater treatment does not provide considerable removal of PFAS.</p><p>The EPA is taking action to address PFAS, focusing aggressively on research, funding, and regulations. This presentation will provide the audience with an update on Federal Regulatory actions, focused on the most up-to-date NPDES permit requirements, effluent limitation guidelines activities specific to the landfill industry, and water quality standard development.</p></div></td></tr></table></div>	10:30 am	<div data-bbox="505 345 898 435">Landfills and PFAS: Regulatory Updates and Cost-Effective PFAS Leachate Treatment</div> <div data-bbox="505 467 852 500">Kate Garufi, HDR Engineering</div> <div data-bbox="505 532 910 1101"><p>Per- and Polyfluoroalkyl Substances (PFAS) are a class of synthetic organic compounds that have at least one fluorinated carbon atom. This bond is the strongest organic bond in nature and is responsible for the unique and useful characteristics of these compounds but is also what makes them resistant to degradation. PFAS compounds are contained within the waste materials received at landfills. Landfill leachate can be a significant source of PFAS discharged to municipal wastewater treatment facilities, and generally, municipal wastewater treatment does not provide considerable removal of PFAS.</p><p>The EPA is taking action to address PFAS, focusing aggressively on research, funding, and regulations. This presentation will provide the audience with an update on Federal Regulatory actions, focused on the most up-to-date NPDES permit requirements, effluent limitation guidelines activities specific to the landfill industry, and water quality standard development.</p></div>
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Wednesday August 24th 2022: Park County Fairgrounds

10:30 am - Noon	Technical Presentations (Concurrent Sessions #1 and #2)	
	#1 Landfill / Transfer Station Track Park County Fairgrounds: Heart Mountain Hall	
	11:10 am	PFAS: Current and Future Liabilities and Considerations Caroline Brewer, Trihydro Per- and polyfluoroalkyl substances (PFAS) have gained an ever-increasing share of public attention and concern. What are PFAS, how are they used, and how do they affect your landfill operations (i.e. leachate management, biosolid acceptance and use, general waste acceptance)? This presentation will address these questions, as well as advantages / limitations of current treatment methods for PFAS. We will also discuss analytical methods and how these might apply for characterization of incoming waste streams, as well as considerations for PFAS in air.



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Wednesday August 24th 2022: Park County Fairgrounds

10:30 am - Noon	<div>Technical Presentations (Concurrent Sessions #1 and #2)</div> <div><div>#2 Recycling / Diversion Track Park County Fairgrounds: Homesteader Hall</div><table><tr><td data-bbox="322 318 497 570">10:30 am</td><td data-bbox="497 318 923 570">Recycling Market Update Jamie Gormley, Centennial Recycling Important updates to Recycling Markets and Trends</td></tr><tr><td data-bbox="322 570 497 821">11:10 am</td><td data-bbox="497 570 923 821">Composting Roundtable Allen Griffin, City of Powell Charles Martineau, City of Sheridan Review local area Composting programs.</td></tr></table></div>	10:30 am	Recycling Market Update Jamie Gormley, Centennial Recycling Important updates to Recycling Markets and Trends	11:10 am	Composting Roundtable Allen Griffin, City of Powell Charles Martineau, City of Sheridan Review local area Composting programs.
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<div>Noon - 1:00 pm</div> <div></div>	<div>Buffet Lunch – Sponsored by Pro Recycling Group / Interwest Paper, Inc.</div> <div>Park County Fairgrounds: Heart Mountain Hall</div>				
<div>1:00 pm 1:15 pm</div> <div></div>	<div>Networking Break / Exhibitor Break Sponsored by: Waste Advantage Magazine Park County Fairgrounds: Heart Mountain Hall</div>				

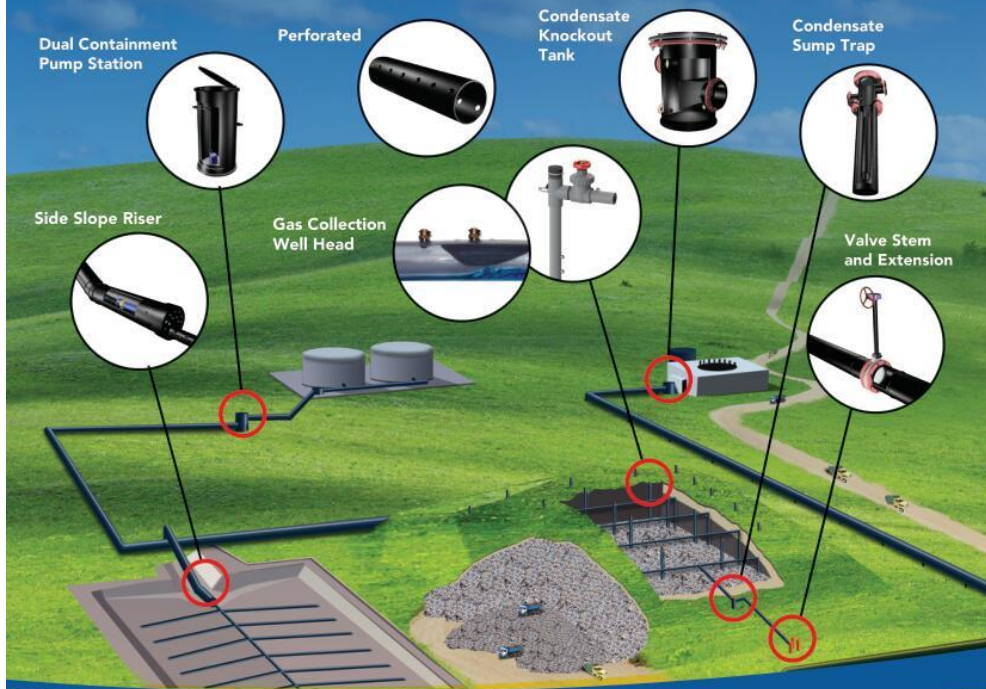


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Wednesday August 24th 2022: Park County Fairgrounds

1:15 pm - 2:00 pm	<p>Water Balance Cover Using Fat Clay Performance after Five Years</p> <p>Joshua Lee, Burns & McDonnell Engineering Company</p> <p>Water balance covers represent a cost-effective way of closing landfill cells for Wyoming landfills that have excess onsite soil or access to a borrow source. For the presentation, I will discuss the performance of a water balance cover constructed five years ago using onsite soils that consisted mostly of fat clays. The performance measured by an onsite lysimeter provides data for infiltration and rain gauges provide precipitation data to correlate the performance</p>
2:00 pm - 2:45 pm	<p>History of Automation</p> <p>Ernest Kois, Kois Equipment Company</p> <p>The history of automation all started in Scottsdale, AZ with a man by the name of Mark Streiger. Many others were trying to do things for this process, but he was the first to obtain patents that are still used today. He worked for the City of Scottsdale and was thinking of new ways to pick up trash without dealing with contaminants, injuries and diminishing work crews, something we all face today. Come see some trucks with interesting designs and things today that still resemble what was started over 50 years ago. It will be fun and exciting with an interest in trash collection.</p>
2:45 pm - 3:45 pm	<p>WDEQ Annual Update</p> <p>Updates provided by the WDEQ Team</p> <p>60 Minutes of Updates from WDEQ</p> <ul style="list-style-type: none">• Solid Waste Permitting• Cease and Transfer• Inspection Compliance

Interested in speaking at one of our next events?

Have an interesting Waste or Recycling Topic? Send your submissions to: wsdra@wsdra.com We want your presentation for our next conference!

It is not too early to start planning for you to participate in our next conference! We are already planning the 2023 event, so sign up today!

Wednesday August 24th 2022: Park County Fairgrounds

3:45 pm - 4:00 pm	Networking Break / Exhibitor Break Park County Fairgrounds: Heart Mountain Hall
4:00 pm - 5:00 pm	WSWRA Annual Business Meeting Park County Fairgrounds: Heart Mountain Hall <ul style="list-style-type: none">• Board Member Elections.• Important Member Updates.• Bylaws change discussion and voting.• Discussion on 2024 Location for WSWRA Annual Conference.• Attendees receive a WSWRA Hat.
5:00 pm - 6:00 pm	Conference Break / Vendor Booth Removal Take a breather before the evening events! Vendors to take down booths and displays.



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Wednesday August 24th 2022: Fraternal Order of Eagles

<p>6:00 pm - 7:00 pm</p> 	<p>Social Happy Hour – Snack & First drink beer/wine provided.</p> <p>Sponsored by: Keith Manufacturing Co.</p> <p>Location: Fraternal Order of Eagles 131 N Clark St Powell, WY</p>
<p>7:00 pm - 8:30 pm</p> 	<p>WSWRA Banquet Dinner – Sponsor Recognition, Prizes and Giveaways.</p> <p>Location: Fraternal Order of Eagles 131 N Clark St Powell, WY</p> <p>Sponsored by Platinum Sponsors: North Park Transportation & Wyoming Machinery.</p> <p>Stay for this networking event and a great meal provided by the local establishment “Fraternal Order of Eagles”.</p>
<p>8:30 pm</p>	<p>Conference Summary / Closing Remarks: Conclusion of Event</p>



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Special Thanks!

There are many parties that have taken the time to help with this conference. Here are a few to give extra thanks! Roll the Credits!

Powell Valley Recycling Members led by Myron Heny, for event planning and tours of the recycling facility. **Park County Fairgrounds**, for providing event services for the event. **City of Powell**, Allen Griffin for event planning and tours. **Park County Landfill** and Travis Ball for tours of the C&D facility. **Fraternal Order of Eagles** and the **Rodriguez Family** for Food and Beverages for the Event. **The WDEQ Team** for hosting the Landfill operator testing, and for **Jody Weikart** for always providing us monthly updates for our Used News Newsletter. The many people that help edit this conference booklet for content and grammar proofreading, your second set of eyes is very much appreciated!

The Numerous **Speakers** that take time to bring premium content for our conference. Without you we would have nothing to talk trash about! The dozens of **Vendors and Sponsors** that support WSWRA by providing sponsorships that reduce costs for our membership and bring so much educational content to our show. Many travel great distances to attend to bring us the information we need!

The WSWRA Board Members and Membership that take many hours of donated time each year to the conference. And to the members that attend each year! For many of us the Annual WSWRA Conference is more than just an event, it is a large part of our lives. To all in the Solid Waste and Recycling industry, Thank You for your support in WSWRA! We thank everyone that attended this year's conference! Thank you for making it possible. Thank you for being a part of Team WSWRA!

Front Cover: **Campbell County Wyoming Landfill.**

Thank you so much for making this conference a success! I thoroughly enjoy working with each and every one of you!



Beau Peck
Executive Director, Wyoming Solid Waste & Recycling Association

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