



MISSION: INTEGRATION

HANFORD

MISSION

INTEGRATION

SOLUTIONS

NEWSLETTER

December 2021



# MISSION: COMMITMENT

RSS processes 6,000+ dosimeters in the annual exchange.





## ONE HANFORD MISSION

### HAMMER Worker Trainer Enhancement Day

Contributor: Jill Harvill

HAMMER recently conducted its annual Worker Trainer Enhancement Day. Forty-six worker trainers, including 11 HMIS employees, participated in the event. In five groups, they rotated through five sessions:

- Differentiated Instruction, presented by Lupe Contreras, Holly Morgen, and Tara Briggs of HAMMER
- Hands-on Activities, presented by Kara French of HAMMER
- Communication, presented by Scott Downing of HAMMER
- Embracing Change, presented by Jim Whalley and Maureen Gore of Workforce Solutions
- What's My Motive, presented by Levi Matthews & Carrie Jacobs of HAMMER

At midday, HAMMER director Paul Vandervert joined DOE, union, and contractor leadership to formally recognize the exceptional efforts of worker trainers.



HAMMER Worker Trainers.



Jim Whalley, HMIS Workforce Resources and Development, discusses "Embracing Change."

The training team reimagined instructional methods, tools, and schedules to ensure the continuity of essential training and safe operations during the COVID-19 pandemic.

Continuing education is essential to maintain the effective teaching skills that set the high bar HAMMER is known for. Worker trainers play a critical role in ensuring the Hanford workforce

performs work safely and in alignment with regulations and other safety and compliance-driven standards of conduct.

Recognized as safety advocates by their peers, worker trainers bridge the gap between the field and classroom by providing advanced safety training and ensuring a consistent safety culture across the Site.



From left: Jordan Huck, Miguel Cerda, and Kevin Zawadzki listen during the recognition presentation.

## ONE HANFORD MISSION

Crane & Rigging Services director Sean McFadden delivers a shopping cart full of toys and gifts for local families.

### Team Focus: Crane & Rigging Services Lift Spirits During the Holidays

Contributor: Shane Edinger

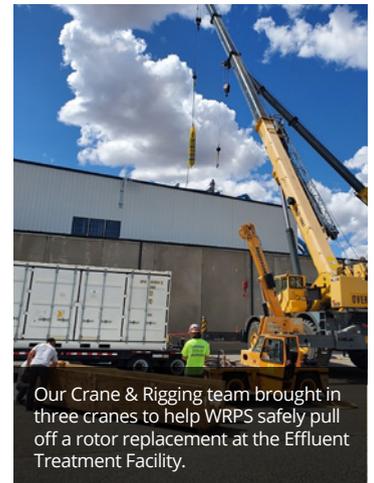
Mark down 2021 as a very busy year for Crane & Rigging Services. The team supported several projects across the Hanford Site, including the tension tune-up for guy wires that secure the 405-foot meteorological tower. That project required several months of planning, engineering, and procuring of tools and equipment, but the actual adjustment took just three days.

C&R team members also provided equipment and support for a rotor replacement at the Effluent Treatment Facility and were

heavily involved in the demolition of the Plutonium Finishing Plant, among other projects. "We're essentially a centralized pool of equipment and personnel. Our team members are trained to work at any facility on the Hanford Site," said Sean McFadden, director of Crane & Rigging Services.

In addition to making sure all work is done safely and efficiently, the team also keeps an eye out for the community. Each December, for the last seven years, the team has collected donations to support local families in need. The funds purchase toys, gifts, and other items that are delivered to the Salvation Army in Pasco.

This year, McFadden and his family delivered about \$700 worth of items, including footballs, soccer balls, frisbees, board games, Lego sets, scooters, boxes full of arts and crafts supplies, glow in the dark paint kits, and jewelry making kits. "It's always good to give back to your community when you can," McFadden added. "We've all faced challenges with COVID, but some families were really impacted. Anything we can do to support those families and just give them a chance to enjoy the holidays, that's what it's all about."



Our Crane & Rigging team brought in three cranes to help WRPS safely pull off a rotor replacement at the Effluent Treatment Facility.



Beverly Gallagher (left) and Laura Pedersen stand by filing cabinets that once stored historical drawings.



Beverly Gallagher scans historical drawings from the Hanford Site.



Laura Pedersen scans an engineering drawing as part of a five-year project to digitize records.



Dosimeters ready for the 2022 exchange.



RSS dosimetrist Rob Ludwigsen prepares external dosimeters.

## MISSION: COMMITMENT

### Historical Drawings Fully Digitized

*Contributor: Robin Wojtanik*

A five-year commitment resulted in full digitization of nearly 300,000 historical engineering drawings of the Hanford Site, completed by our Information Management Services team and North Wind Solutions. “They included engineering drawings from the first shovel at Hanford, 1943 all the way up to the 1990s,” said Delina Hottell, imaging operation lead. “Many were torn, fading, and on really brittle paper.”

The collection was at risk of deteriorating past the ability to be digitized so the process began to scan each drawing by hand! They had to be fed individually into a large format scanner, “We used special settings to take them slowly and gently through the machine,” said Hottell. “Many were in pencil, so they were faded or blurred. The digitized versions are more visible than the originals.”

A project team of two or three people daily prepped each drawing by flattening folded edges and repairing tears, completing about four to five dozen “on a good day.” Hottell recalled, “Each time we had the riggers out to remove more flat-file storage cabinets, it was huge. When we got it to one room it was fantastic, then half the room, and now they’re finished.” Images are now in IDMS and DMCS, providing a full historical collection of drawings created onsite, and available to Hanford workers at the touch of a finger.

“When you look at these drawings, it’s so easy to get lost in them. You could even see the coffee stains,” said Amanda McClure, imaging operations manager. “Today, we depend on a computer to figure out formulas and degrees, and they did it all by hand using protractors, compasses, and pencils. To see that history is a huge sense of nostalgia and appreciation for that generation.”

Derivative classifiers from HMIS Information Security spent about a month reviewing any drawings marked OOU prior to digitizing and all physical copies were sent for recycling.

## MISSION: COMMITMENT

### Dosimeters Prepped for Annual Exchange

*Contributor: Donald Stewart*

Each year, the Radiological Site Services team processes radiation dosimeters for HMIS, CPCCo, WRPS, HLMI, and WTP, which amounted to 6,349 dosimeters for the 2021 dosimeter exchange. Dosimeters measure the amount of radiation dose a worker receives.

Dosimeters are received from Hanford contractors annually and disassembled by a handful of members from the RSS group. The sensitive elements, or “chips,” are removed and processed to determine the measured dose. The case that holds the dosimeter is washed, new beta windows are installed, and the holders are stored until needed. When a holder is put back in use, it is reassembled with the sensitive elements.

Work continues on temporary dosimeters, which are kept on hand and assigned throughout the year, as well as extremity

dosimeters, often called “rings.” To make ready for shipping, any new ones are labeled and sorted by contractor organization code. A contractor’s dosimetry operations staff oversees the exchange.

The commitment to building dosimeters for the annual exchange takes place over several months. Our RSS team delivers the dosimeters in early December so the exchange is ready for the first workday in the new calendar year. Once returned, dosimeters are processed to assign dose values. Employees who have their radiation exposure monitored typically receive results for the previous year by the next spring.

Though most dosimeters are exchanged annually, RSS processes whole-body dosimeters year-round for quarterly, monthly and weekly exchange intervals. Extremity dosimeters are read throughout the year, as their exchange intervals are typically shorter, and they may be used for a single entry. The team also maintains equipment, runs audits, conducts assessments, works with customers, and revises documents as needed.



With the support of numerous sponsors, including HMIS, UA Local 598 will give out more than 1,600 bikes.



Michelle and Dan Edwards were a dynamic duo when it came to bike building.

## Building Bikes for Tikes

Contributor: Shane Edinger

The HMIS Family of volunteers was out in full force for the 12th annual Bikes for Tikes Build event, organized by UA Local Union 598 Plumbers and Steamfitters. More than two dozen HMIS employees, subcontractors, and loved ones grabbed their wrenches and spent a morning building bicycles for kids of all ages at the Three Rivers Convention Center.

More than 450 volunteers participated in this year's event, building more than 1,600 bikes that are distributed to both local and regional non-profits. Over the past 12 years, the group has given away more than 15,000 bikes to kids around the Pacific Northwest.



Cindy Hemsworth (left) and Annika Reams concentrate on building a bike together, while Aaron Fergusson (in green) works on another.



Anita Yang (left) and Sami Finney work on labeling books.



Melissa Alvarez, and her daughters Clarissa and Vanessa, were a huge help!



Jessica Shaw and her daughter Allison did a great job sorting and bagging!

## Inspiring Young Readers with Resolution Read

Contributor: Jill Harvill

From bikes to books, the HMIS Family has turned out in droves for volunteer events! What better way to demonstrate our HMIS Family commitment to each other and our community than to donate our most valuable resource – our time.

In December, 36 volunteers labeled and bagged books for The Children's Reading Foundation of the Mid-Columbia's "Resolution Read" program. What our volunteers did in a mere 90 minutes shows what teamwork can do: labeling and bagging 6,000 books! The effort was rewarded by new friendships and the camaraderie built by seeing the stacks of books dwindle.

Speaking of effort, Resolution Read asks families to commit to reading with children at least 20 minutes daily. To support this commitment, HMIS proudly sponsored the purchase of 6,000 books and bags for local families. In January, hundreds of bags with 12 books inside, will be distributed by CRFMC.

The books vary in subject and reading level, inspiring readers to find what they love and read more at their school or community library. As one of our favorite community service events, a heartfelt thanks goes out to all of those who helped make "Resolution Read" possible! If you'd like to volunteer with us, keep an eye out in the Mission Insight weekly e-newsletter for HMIS Family opportunities.

## HMIS FAMILY



### A Bird in Hand

You get a turkey! You get a turkey! Every Maintenance Services employee got a turkey! Leadership handed out more than 160 turkeys as a show of appreciation for a successful year of maintenance.

### Pitching in at Second Harvest

HMIS was proud to support Second Harvest in its 6<sup>th</sup> annual Turkey Drive to distribute Thanksgiving meal boxes to hungry families in the Mid-Columbia and Yakima Valley. HMIS donated \$12,000 to help cover the costs of putting together 2,500 meal boxes, which included turkeys and all the fixings for a traditional Thanksgiving meal for families to remember, enjoy, and share.

Families in the Tri-Cities, Yakima, and Sunnyside received the meal boxes just before Thanksgiving.



## COMMUNITY OUTREACH



### Fleet Services in the Giving Spirit

Each year Fleet Services adopts a local family to ensure they have a good Christmas. Rick Thompson and Sara Forsman managed the effort, making sure all gifts were wrapped and ready for delivery.

# It's the most WONDERFUL TIME OF YEAR

Check out some of the many ways the HMIS family helped make the holidays brighter for people and organizations in our community!

In addition to a \$5,000 donation earlier this year, HMIS gifted another \$5,000 to our local Habitat for Humanity.



As part of our year-end corporate contributions, we donated a trunk full of goods to our friends at Meals on Wheels, including personal care and household items, nutritional drinks, sweatshirts and blankets. The goods, plus an additional \$2,500 donation, will help seniors in our community.



HMIS presented a \$3,000 check to United Way of Benton and Franklin Counties to help combat hunger and homelessness.



Uh oh... someone let our Communications Manager loose to go shopping for items to donate on behalf of HMIS.



Hundreds of local youth, including teens living at the My Friend's Place shelter and students at the Boys and Girls Clubs of Benton & Franklin Counties, will hit the movies this winter thanks to a donation of tickets from HMIS. Daniel Saucedo delivered tickets to the Boys & Girls Clubs on behalf of HMIS.

Representatives from Columbia Basin College accepted a donation of \$22,250 from HMIS as part of our Community Commitment Plan. Funds will be used to provide critical assistance to students to remove barriers and keep them on the path to educational success.



We proudly donated more than \$1,000 worth of pajamas, personal care items and household goods to help families seeking assistance at Domestic Violence Services of Benton and Franklin Counties.



Have a **SAFE + HEALTHY** New Year!

