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Chairman's Column

Gene Robertson

NCWM Chairman — State of Mississippi



Dear NCWM Members,

Almost two years ago, I was honored with becoming Chair Elect and now serve as your Chairman. I have had a wonderful experience, and I hope that the NCWM membership has received as much from me as I have from serving as Chairman. Time sure has flown by, but we are not quite finished yet!

As I write this column, I am preparing to attend the two annual regional meetings, the NEWMA and the CWMA. Marc, the Chair Elect, and I really enjoy being a part of each regional meeting. There are so many benefits that we take away from attending these meetings, and it provides an opportunity to get to know our members better. It is also a great opportunity to listen to the concerns and hear the needs of our members.

“Staying Relevant” is my theme for this year. I gave each region time on the Board meeting agenda to ask questions, express concerns, and offer suggestions. This proved to be productive as both parties learned valuable information and several action items were initiated. I also authorized the National Price Verification Survey, which exceeded expectations and received a great response as well as representation from across the country. Nearly 400 inspectors participated in the mandatory training provided by NIST, and 26 states participated with both state and local jurisdictions. Thank you to those inspection programs that participated in the survey and all the inspectors that did the work and provided the information! I also want to thank the Price Verification Focus Group lead by Marc Paquette (VT) (chair), Michael Brooks (AZ), Scott Dolan (VT), Paul Floyd (LA), Christopher Guay (CGGT), Katrice Lippa (NIST), John McGuire (NIST), David A. Sefcik (NIST), and Daniel Walker (OH). Also, a special thank you to John McGuire who conducted the training and Scott Dolan who created the spreadsheets used and received and compiled the data. Once the team has finished the report, it will be made available to members, hopefully by mid-June.

NCWM has broken ground and started construction of the new NTEP lab and office building. We are told it is on track to be completed by the original date in August. Executive Director Don Onwiler is elated when we discuss the NTEP lab; and he and his team are staying on top of the process. Don and the NTEP experts Darrell Flocken and

Chairman's Column Cont.

Jeff Gibson meet frequently to make sure all the intricate details are implemented, from the ordering and placement of necessary equipment, to working with the contractor to ensure all electrical and plumbing needs are met. Elisa Stritt has given the new offices her personal touch, selecting paint, flooring, trim, and countertops. Don opened the first NTEP Evaluator position for the lab in April and will announce the successful candidate soon. Training will begin this summer to prepare this person to perform evaluations as soon as the new lab is complete. A special thank you goes to Allison Wilkinson for donating two permanence testers to the new lab from the State of Maryland.

Over the last nine months, several task groups, focus groups, and subcommittees have formed. The milk meter task group and the Verification Scale Division (e) task group have new chairs, and the Transportation-for-hire task group reformed to merge the Handbook 44 Taximeters code and Transportation Network Measurement Systems code. The new groups are the EVSE Technical Conference and the Trade Show Planning Committee, the Uniform Shipping Law Task Group, the Metrology Subcommittee, and the EVSE task group. These groups will be holding sessions at the Annual Meeting in July.

The RSA exams are progressing nicely with Large Capacity Scales and LP Gas exams coming online soon. These will join HB 44, Retail Motor Fuel Dispensers and Small Capacity Weighing Systems exams that are available now on the NCWM website. An EVSE RSA exam is a next priority, which will provide needed continuity of the installation process. Thanks to Jerry Buendel and the subject matter experts that have created these exams.

It is just a short time before we meet in Cleveland, Ohio for the 109th Annual Meeting, and I look forward to seeing everyone there. All meeting documents are available on the NCWM website. As typical with the Annual Meeting, the subcommittees, focus groups, and task groups will meet on Sunday. I encourage you to attend one that piques your interest or is a part of your world. Additionally, the Community for All Legal Metrologists (CALM) and Women in Weights and Measures are also provided space to meet. These two groups first met at last year's conference and have both had an increased interest.

Many voting items will take place at the conference; two of which are on the BOD agenda: twice a year voting and a corporate name change (National Conference on Weights and Measures to become National Council on Weights and Measures). On Tuesday afternoon, I will lead a session on the future of the printed handbooks as NIST has announced they will cease printing them effective in 2026. In addition, there are many things to see while attending the conference. The iconic superhero, "Superman", was created in Cleveland.

I would be remiss if I didn't thank the Mississippi Department of Agriculture and Commerce for allowing me to devote time to the NCWM. This type of support is crucial to the success of the NCWM. I would also like to thank my wife who has been very patient and supportive of me as this experience has taken me away from home many times over the past two years. Don and the NCWM team have been extremely supportive and have helped me along the way. The NCWM Board of Directors have been a pleasure to work with and are engaged and willing to do what it takes to make the NCWM better. Last but certainly not least, I want to thank you, the NCWM membership, for not only allowing me to serve you but also in stepping up and serving on standing committees, subcommittees, focus groups, or task groups. Your efforts do not go unnoticed as it takes the whole weights and measure community to get the job done.

Again, I look forward to seeing you at the 109th Annual NCWM Meeting in Cleveland. Feel free to contact me if you have any questions, ideas, or suggestions.

Sincerely,





- Learn how to install, repair, and certify commercial and non-commercial scales
- Gain experience from industry partners
- On-site CDL training, Class A and B
- Financial aid and Kansas Promise Act Eligible

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Type Evaluation of an EVSE

Type evaluation should be an easy process. Send in the device, operate, test, and assure compliance. It sounds easy enough, but the operation of Electric Vehicle Supply Equipment (EVSE) requires the collaboration of many parties. Ideally, when a device is provided for evaluation, the assessment might include the ID badge, required markings on the display screen, activation methods, operations, and receipts. If the device is correct and accurate, the make and model of that device is certified for commercial use.

It can only be expected that changes will occur, and those changes will cause the device to vary from the original certificate. Unlike other devices, EVSE are not simple hardware. They require software and firmware, they require power suppliers, front-end support, back-end support, and standard communication protocols. These roles may be handled by one entity or by many. There is an EVBox Blog article: CPOs, Charge Point Owners, and EMSPs explained, which describes the partnership of these entities (when compared to hospitality), such that CPOs are like chefs, EMSPs are the waiters, and Charge Point Owners are the restaurateurs. It is this collaboration that allows these devices to operate.

Common terms that fall under the electromobility (e-mobility) umbrella also include:

CPO- Charge Point Operator- provides the back-end support for charging networks. CPOs manage procurement, construction, installation, operation, and maintenance of each charger. Maintains service and connectivity to the grid, including OCPP standards.

EMSP- E-Mobility Service Provider- provides front-end support for connecting EV drivers with charging stations. Provides apps and member subscriptions that allow users to connect to different CPOs, establishing customer experience and satisfaction.

Charge Point Owner- The businesses and individuals who finance the charger for profit. Selects the CPOs and EMSP to operate the devices/sites that they own.

EVSP- Electric Vehicle Service Provider- may offer all end-to-end EV charging services from EV charging operations to user experience.

OCPP- Open Charge Point Protocol- open-source protocol for communication of charging infrastructure and interoperability between EV charging equipment.

EVSE collaborations cause varying degrees of changes from a device's type evaluation certificate. When an EVSE manufacturer submits their device for evaluation with their own User Interface (UI) software, and receipt processes, the device is certified in exactly that way; required markings are in specific locations and the receipts are provided as expected. Once that device is sold to another party, this is where those processes may change. EVSE are built-for-purpose software-based devices and thus, changes to software/firmware of these systems will cause the device to vary from its type-approval certificate. An entirely new UI software would require the device to undergo evaluation for a new certificate. Software and firmware changes may also affect accuracy; depending on the controls a provider has over a system. A new receipt operator may not be an issue if the receipts are compliant, but if the receipts are not, the Charge Point Owner will be notified to

correct the issue. EVSE manufacturers can inform service providers of the guidelines needed to maintain compliance with their certificates, but when service providers do not follow these guides, this becomes a field enforcement issue. There are even OCPP requirements that may directly conflict with processes accepted by the type-evaluation labs, and the manufacturers will struggle to comply with both requirements.

There is not a clear division between hardware and software which would deem it obsolete for hardware manufacturers to bypass the evaluation process, but when a device is no longer traceable to the type-approval certificate, the service provider who made changes to the device should now be responsible for obtaining a new certificate. Being mindful of these collaborations and the possibilities for change will allow for more awareness of non-compliance for EVSE devices in the field. This may result in a device being evaluated multiple times with different providers. Unfortunately, each scenario will be different, and the corrections needed must be provided on a case-by-case basis.

Julie Burbridge

Environmental Scientist – NTEP/CA Type Evaluation Program

If you would like to discuss the contents of this article or learn more, contact Jeff Gibson at jeff.gibson@ncwm.com

Jeff Gibson

NTEP Specialist

jeff.gibson@ncwm.com

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Coming Up!

109th NCWM Annual Meeting

July 14th - 18th | Cleveland, Ohio

The Annual Meeting is the high point of our year where all the hard work pays off. At this meeting, stakeholders will debate important proposals to amend the United States standards for weights and measures. When the debating is done, the votes will be cast.

Our committees have their work cut out for them with some very full and diverse agendas. Committee agendas are available on our [Pub 16 page](#).

MEETING LOCATION

Hotel Cleveland

(formerly The Renaissance Cleveland Hotel)

24 Public Square

Cleveland, Ohio 44113

(216) 696-5600

Room Rate: \$137 (*Prevailing Government Per Diem*)

Reservation Discount Deadline: June 24th, 2024

[Make your hotel reservation now!](#)

EVENTS

The **Chairman's Reception** will honor Gene Robertson from the State of Mississippi. The reception will be Sunday, July 14th, from 5:30pm-7:00pm. The reception attire is business casual.

The **Special Event** will be held Wednesday, July 17th, at the Rock and Roll Hall of Fame.

REGISTER NOW

**Register by
June 24th, 2024 to secure discounted rates!**

2024 NCWM ANNUAL MEETING'S
SPECIAL EVENT

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&
ROLL**
HALL OF FAME



W E D N E S D A Y
7 . 1 7 . 2 0 2 4

This evening is included with your full-week Annual Meeting registration.
[Register Now](#)



Elisa Stritt, CMP, CEM
Director of Operations
NCWM

Our Annual Meeting is just around the corner! The 109th Annual Meeting will take us to downtown Cleveland, Ohio where we will spend the week at the historic Hotel Cleveland. We are anticipating a big crowd and are eager to welcome local weights and measures officials who might not have previously attended an NCWM meeting. In Ohio each County Auditor's Office is responsible for regulating weights and measures, so we are hoping for the opportunity to meet new faces as well as learn more about topics important to the region.

We have exciting news regarding the home for our meeting, Hotel Cleveland. The property is finishing an \$80 million renovation scheduled for completion this spring. Meeting rooms, guest rooms, the lobby, and the building exterior are all included in this mega project, and we will be one of the first groups to use the new space. Remaining a flagship of Marriott, the Renaissance Cleveland Hotel has reverted back to its original name of Hotel Cleveland and has become part of the Autograph Collection which is synonymous with luxury and sophisticated design. You can read more about the renovation in [this article](#) from News 5 Cleveland and view what the final results will look like on the [Hotel Cleveland Website](#).

Please make sure to [reserve your room](#) in advance because it is common for our block to sell out of one or two nights well in advance of our cut-off date. The cut-off date is the last possible date the hotel will honor our discounted rate, but there has never been a guarantee of remaining rooms on that date. For each meeting, I encourage you to review the hotel's cancellation policy and reserve a room regardless of your certainty for attendance, while making sure you



do cancel well before a cancellation penalty takes effect if needed. We post the upcoming Interim or Annual Meeting as soon as one closes which allows eleven months of opportunity to reserve within our block at our rate. While we're on the topic, you will find January's [Interim Meeting hotel reservation link here](#) so make both reservations today!

The Annual Meeting's Special Event will take us to the [Rock and Roll Hall of Fame](#) on Wednesday, July 17th. Included with the full registration, we will provide roundtrip transportation from the hotel to the museum, an assortment of food stations, and an open bar. We have the entire museum to ourselves- all six levels totaling 55,000 square feet. After witnessing our members' musical talents while at the Interim Meeting, we opted for [The Garage](#) add-on which allows guests to showcase their skills. It is going to be a great evening to wind down our week and you don't want to miss it.

See you soon!



BE AN EXHIBITOR AT THE 109TH ANNUAL MEETING

July 14th - 18th , 2024
Cleveland, Ohio

Use our meeting as a platform to support the growth of your business, inform, and teach the weights and measures community about the products or services you have to offer

PRICING:
\$400 FOR MEMBERS
\$575 FOR NON-MEMBERS
WHEN YOU REGISTER BEFORE JUNE 24TH , 2024

Included: One skirted table and 2 chairs

**WHILE AT THE 109TH ANNUAL MEETING BE SURE TO
CHECK OUT THESE EXHIBITORS:**

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THE EASTERN SPECIALTY COMPANY

2024

May

CWMA Annual Meeting

Des Moines, Iowa

May 20-23

July

109th NCWM Annual Meeting

Cleveland, Ohio

July 14-18

August

NTEP Grain Analyzer Sector Meeting

Kansas City, Missouri

August 13-14

NTEP Software Sector Meeting

Kansas City, Missouri

August 13-14

NTEP Weighing/Belt Conveyor Sector Meeting

Cincinnati, Ohio

August 20-21

September

WWMA Annual Meeting

Las Cruces, New Mexico

September 8-12

NTEP Measuring Sector Meeting

Cincinnati, Ohio

September 17-18

October

SWMA Annual Meeting

San Antonio, Texas

October 6-11

Looking Forward...

2025 NCWM Interim Meeting

January 12 - 15 | Charleston, South Carolina

The Interim Meeting is where our standing committees come together to hear testimony on new proposals brought forth from the regional meetings as well as carryover items from the previous year. In addition, the committees will determine the status of each item for the voting session of our Annual Meeting in July. Presentations, testimony, and work sessions will occur through the week.

Committee agendas will be available on our

[Pub 15 page](#).

MEETING LOCATION

Francis Marion Hotel

387 King Street

Charleston, South Carolina 29403

Group Rate: \$159 (*Prevailing Government Per Diem*)

[Make your hotel reservation now!](#)

Reservation Discount Deadline: December 19, 2024

EVENTS

The **Chairman's Reception** will honor Marc Paquette from the State of Vermont. The reception will be Sunday, January 12th, from 5:30pm-7:00pm. Dress is business casual.

REGISTER NOW

Register By

December 19 to secure discounted rates!

EMPLOYMENT OPPORTUNITIES

NCWM IS PROUD TO SERVE THE WEIGHTS AND MEASURES COMMUNITY, BOTH PRIVATE AND PUBLIC SECTORS, BY LISTING EMPLOYMENT OPPORTUNITIES. ANY ORGANIZATION THAT MAINTAINS MEMBERSHIPS WITH NCWM MAY REQUEST POSITIONS TO BE POSTED FOR PUBLIC VIEWING .



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Checking for Pins

Robert Huff

Delaware Department of Agriculture



Have you ever gone to use a shared piece of equipment to find that there are safety hairpin cotters or lock pins missing from various hitch pins, jack arms, safety braces or other pieces of equipment? Generally, what have you done in this situation? Have you shrugged your shoulders, just ignored the missing pin and gone about your day using that piece of equipment anyway?

Hopefully not... Whenever taking out a trailer, prover, truck slip-on or other piece of equipment, you must do a pre-check to make sure that all safety devices are in place and don't just assume that if you used it yesterday that everything is still in place. Employees have been known to take pins from one trailer to complete their own trailer and it may put you in a compromising situation.

Over the years, I have found trailers missing large lock bars for fuel provers, entire hitch pins completely missing from jack arms (luckily the jack arm was still attached to this trailer) and other stories of inspectors having trailers come completely off the hitch ball while traveling. These oversites are accidents waiting to happen that have the potential to take a life. That simple lock bar that is missing a hairpin cotter can work its way loose, fall off the trailer, bounce on the roadway and strike a pedestrian or hit an oncoming vehicle. If you are traveling at 50 mph and the lock bar strikes a car traveling at 50 mph in the opposite direction, imagine the results, especially if the other vehicle is a motorcycle. Or imagine an entire oil prover jack arm falling off in the middle of a busy interstate.

You are responsible for the equipment you use, and you need to protect not only yourself, but the others around you. If by chance you lose a hairpin or lock pin while doing your inspections, try using a simple large paperclip, nail, or bolt to get you to a safe location until you can get a proper replacement. (Note: paperclips and nails must be bent to prevent them from easily sliding out and bolts will need to have a nut and possibly washers to prevent them from sliding out). It would be a good idea to supply all individuals using the equipment, spare pins to keep in their vehicle just for this reason.

Instructors need to stress to employees that pull trailers, the difference in ball sizes from 1 7/8", 2" or 2 5/16". The average trailer uses a 2" ball, but occasionally larger trailers will use a 2 5/16" ball. If your employee is unaware or hasn't been fully trained and uses a 2" ball for a trailer requiring a 2 5/16", you can expect to have that trailer fall off the back of the vehicle at some point and depending on if the safety chains are properly attached, you could have a runaway trailer. This I cannot stress enough... review, review, review and drill it to your trainees or even your co-workers so that they know the difference. Many times, a trainee will say "I've been pulling trailers for years", but yet they don't fully grasp the difference or in a rush they overlook that they are using the wrong size ball. Don't let them or potentially yourself be the person that we see on the news that has an accident that was fully preventable.

Safety sometimes gets lost with routine. You've hooked that trailer a thousand times in your career and become so comfortable that it becomes second nature, but because of that, you may tend to disregard a safety check which then puts you and the public at risk. Check the brake lights, the turn signals, the running lights, the safety chains, the right size ball and especially check those safety pins.

For the Sake of Equity

Ivan Hankins

Iowa Department of Agriculture

That Equity Shall Prevail.

It has been well documented that Weights and Measures “protects” the consumer. There are some who would say that this is the sole “duty” of Weights and Measures... well not really. The duty of Weights and Measures is to pay attention to both sides of the fence. We are the referee, or as described in articles from long ago, (and, not to take away from the ladies out there) “The Third Man”; the person who not only protects the buyer, but the seller as well. It all started in a small Iowa town not too long ago with a struggling propane business when the National Conference on Weights and Measures conducted a survey for tare weights on 20 lb grill bottles.

Inspectors with the Iowa Department of Agriculture Weights and Measures Bureau carried out inspections on many of the 15 lb bottles at this location. It became evident most of the bottles being filled were as much as four lb over the target weight. Obviously, they were giving the product away which was a direct result of poor packing practices due to scales that were no longer accurate, correct, or up to code for commercial weighing.

WIN Propane of Wever, Iowa realized they were fighting an uphill battle and decided to jump into the 21st century. With the help of Kosan-Crisplant, (a Denmark founded corporation, now owned by Makeen Energy) they completed a much-needed upgrade to their plant. The old, worn-out mechanical scales were replaced with new semi-automatic, intrinsically safe digital scales, a whole new way of filling grill bottles, they practically filled themselves!

Within the first couple of months using the improved operation, the plant received a call from the home office that something was wrong with their inventory. It was showing a surplus! According to Daniel Bergquist, plant manager, “this was something we had never experienced.” He added, “shortly after the installation of the new scales, our profit margin improved 40%, which resulted in a record year! Bergquist stated “with the old scale system, we were overcompensating to meet the industry standard of 15 lb!”

After years of trying to stay competitive and provide products for the community, they were finally in the black! As things go, their growth caught the attention of Lettermen’s Energy Holdings LLC. They were impressed that the grill bottle output jumped from 70,000 units in 2022, to 75,000 units in 2023. Win continues to pick up new bottle exchange locations, with a target set for 80,000 for 2024. Next came new forklift scales. The bottle output for forklifts went from 26,000 in 2022, to 29,000 in 2023, with a goal of 35,000 in 2024. The result, Lettermen’s bought the company.

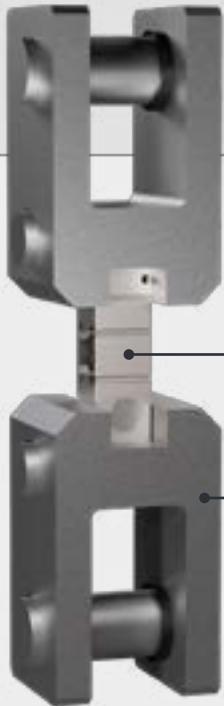
Again, what does all this have to do with Equity!? If not for regular inspections, or the NCWM conducting their “Tare Weight” survey, this company could still be operating at a disadvantage. This is Equity across the board, the customer is confident that they are getting what they pay for because the industry is assuring accurate and correct measurements for their product. Fair and equal trade, the way it is supposed to work.

All of this was due to “the third person.” The regulator, the inspector who is concerned about fairness. So inspectors, don’t think that your efforts go unnoticed. It’s worth it to do the right thing because that is what we do...For the Sake of Equity... that Equity Shall Prevail.

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Small Capacity Weighing Systems Class III
Vehicle-Tank Meters

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Testing Program!

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Less time administering tests

You retain administration of your service agent program

For Service Agencies:

Test once for multi-state recognition

(check first with your state for acceptance)

Less time testing means more time serving your customers

Choice of in-person or virtual proctoring



It is one more way that NCWM is serving our community!

Interested states can contact NCWM for more details.

NTEP QUICK GUIDE

WHAT IS AN NTEP CERTIFICATE OF CONFORMANCE?

A certificate issued by NCWM upon successful evaluation of a device, indicating the device tested is capable of meeting applicable Handbook 44 standards.

NTEP APPROVED VERSES LEGAL FOR TRADE

NTEP Approved: The evaluation demonstrated that the device is capable of meeting Handbook 44 standards.

Legal for Trade: The inspector has verified the device can be used and installed.

WHAT DOES AN NTEP EVALUATION COST?

All applications fees are due at the time the application is submitted to NCWM. Applications will remain on hold until all funds are received. This fee is non-refundable.

NCWM Member Rate: \$950 **Non-Member Rate:** \$1,425

Additional lab fees apply.

HOW LONG DOES AN NTEP EVALUATION TAKE?

It varies with the device type, any backlog that may exist at the laboratory, and if any corrective measures are required to achieve compliance. You will want to discuss progress and expectations directly with your assigned lab.

ACTIVE VERSES INACTIVE STATUS

Active: The devices are being manufactured or remanufactured for commercial use under an NTEP Certificate of Conformance (CC). The CC is in good standing and all fees are paid.

Inactive: An NTEP CC going inactive means that the manufacturer decided not to continue manufacturing the device associated with the CC. Devices already manufactured and installed, or in inventory but not yet sold, may be used, sold, repaired, and resold under the inactive CC as long as they were manufactured prior to the inactive status date.

WHAT ARE MAINTENANCE FEES?

NCWM charges an annual maintenance fee for all active CCs. By paying the maintenance fees, the manufacturer declares intent to continue manufacturing the device and agrees to the terms and conditions for renewal of the NTEP CC. Maintenance Fees are invoiced each year on October 1st.

MORE INFORMATION CAN BE FOUND ONLINE [HERE!](#)

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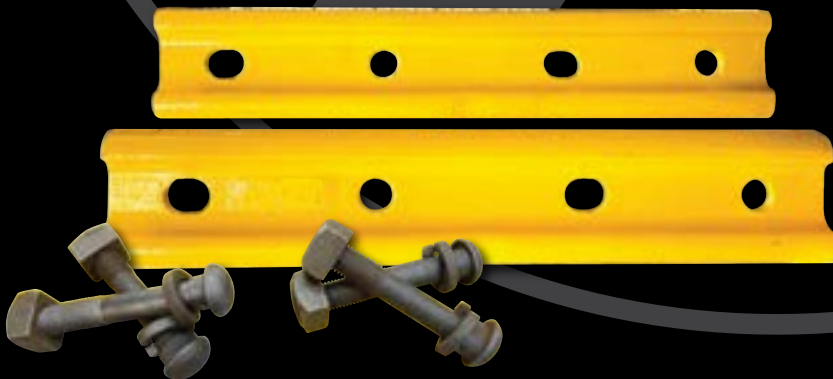
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Brandi Harder
Rice Lake Weighing Systems

Mission: To empower women at all levels to develop their natural abilities and fullest potential and equip them to excel as leaders in weights and measures.

Purpose: To raise awareness that women are valuable contributors in the field of weights and measures and to provide training and opportunities for leadership advancements.

“I never dreamed about success. I worked for it.” – Estee Lauder

The NCWM Interim Meeting in January included a session dedicated to Women in Weights and Measures (WWM), where we discussed how we can support each other in what has historically been a “man’s world”. Some women have been uncomfortable speaking at meetings, especially when they are accompanied by supervisors or senior coworkers who are men, and this session gave us an opportunity to speak openly and learn from each other.

We began with a small group of women introducing themselves and explaining their backgrounds in weights and measures before opening the session up to a roundtable discussion. The discussion went so well that we needed to cut it off before we went over our time limit—we’re all looking forward to more of these conversations.

Our group discussed possible future meetings, making our group an official subcommittee and having women-only sessions permanently on meeting agendas, though these items are still in review. We also discussed future session topics. Some suggestions were workshops for career development, getting younger generations interested in weights and measures, and fostering a community to promote women’s empowerment in the industry. Change can come slowly, but building a community for women in weights and measures and connecting with mentors in the industry will help our members build a stronger sense of

self worth and authority in decision making.

Most of us left this first session of WWM with a positive reminder of how many strong women are in this industry and how inspiring they are. NCWM recognized the need to modernize the industry and celebrate women’s contributions to weights and measures. Through WWM, we hope to connect with women around the world and build a global community of powerful women. We can’t for the next WWM session!

If you would like to learn more about WWM, visit [our webpage](#). We’re also hosting a Networking Night on Tuesday, July 16, 2024, during the NCWM Annual Meeting in Cleveland, Ohio. Join us at Butcher and the Brewer at 6:30 p.m. in the upstairs dining area to connect with women from all areas of the weights and measures industry.

If you want to be included in email communication from Women in Weights and Measures, please email info@ncwm.com



TIP OF THE MONTH

- Filling Up at the Pump: Check that the price at the pump matches the street sign. Verify the SALE and GALLONS displays start at zero before you open the nozzle. Touch something metal before grabbing the nozzle to avoid a static electricity fire. Always get a receipt. Contact your local Weights and Measures Authority with questions or concerns.



One Tool: # 1 Inspection Software

WinWam Software

There is only one Software product that addresses all of your Weights & Measures Inspection needs. That tool is WinWam Software.

WinWam Software is a collection of four powerful modules, which can be purchased separately or together. All of the Weights & Measure modules have been built to perform inspections in accordance with NIST regulations.



Package Checking

WinWam Package Checking Software is designed for W&M officials and quality assurance professionals to perform standard and random inspections in accordance with NIST Handbook 133. WinWam Package Checking Software guides you through the inspection process. Error, MAV, Cost Error are calculated for each test. Color displays allow easy identification of Pass Fail or Gray Areas. Some of the features include:

- Category A & B Sampling Plans

- Automatically Calculates MAV's Normal USDA Standard, USDA Fluid, Bark Mulch, Polyethylene Sheeting
- Allow variations due to moisture loss.
- Calculates SEL and Standard Deviation
- Dynamically calculates Rc/Rt for tare
- Calculates conversion factors for volume inspections
- Calculates Cost Error, Average Error, Average Cost Error % Error



Device Inspection

WinWam Device Inspection Software is designed to perform and record Handbook 44 inspections. WinWam Device Inspection Software supports all devices specified in Handbook 44 including but not limited to: scales, (apothecary, computing, livestock, shipping, vehicles, etc.), meters, LP Gas, LMD, linear devices, timing devices, etc. Whether Acceptance or Maintenance WinWam calculates tolerances for nearly all tests.

WinWam Device Inspection Software provides a comprehensive database of business establishments with a complete inventory of devices. Full detail inspection data allows management the ability to better measure economic impact of the W&M program

Price Verification

WinWam Price Verification Software is designed in accordance with NIST Handbook 130. The Software runs standalone or with a handheld scanner. Software calculates error, lot cost error, net dollar error and calculates Over / Under Ratio. Accommodates Intentional Under-charge and Not On File.

Hypertext Handbooks

Hypertext Handbooks are a collection of on-line reference manuals in which the user can view government regulations, search on a particular topic and print any part of the handbook with the touch of a button

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