# IE MAINTENANCE

The Monthly Newsletter of the North Carolina Public School Maintenance Association

Volume 60, Number 10 October 2023

### **Contents**

Great Shakeout
Earthquake Drill3
Tips for Boosting Security a
HS Sporting Events3
Press Release4
D7 GT Save The Date4
Reduce the Environmental
Impact of Your Organization's
Waste5
Deadly Mistakes7
Membership Application 8
D3 GT Save The Date and
Registration9
D7 GT Registration10

Sue Farmer was born and raised in Black Creek, North Carolina in eastern Wilson County. She completed eighth grade at Lee Woodard School in Black Creek, but then her family moved to Lucama and she graduated from Lucama High School where she played softball and basketball.



She has worked for Wilson County Schools (WCS) for 40 years. She began her employment with the Transportation Department. In 1995, she began working in the maintenance department as the receptionist. In 1998 she became the secretary/booker, a position she says she truly enjoys. "I love being with my 'second family.' I believe you must enjoy what you do because this is where you will be eight hours a day and at least five days a week. If you do not, work will become a miserable place. Everyone works as a team. I believe in training everyone on all aspects of the job. When one is out or on vacation most of the work can get done with the help of the other one." she said. Sue finds that working in the school system it is a challenge to maintain schools and the equipment we have with the funding that is received. The buildings and the equipment get older and more expensive all the time. Expenses never decrease which makes every day a new challenge. Sue said, "The best advice I have concerning work is to take one day at a time and do the best job you can."

There was a short period in Sue's life where she left the school system to pursue a different career. Since her childhood she had a dream that she wanted to fulfill. Her

continued on page 3

#### **MEETING DATES**

The districts of NCPSMA meet twice yearly.

#### **District 1** January, July

District 2 January, July Pres. Ronald Moore Phone: 910.296.1875 District 3

February, August Pres. Greg Woodard Phone: 252.399.7822

**District 4** February, October Pres. Donna Fields Phone: 910.678.2565

#### **District 5**

March, September Pres. Justin Dyson Phone: 336.909.2280

#### District 6

April, October Pres. Chris Adkins Phone: 980.343.4526 **District 7** 

May, November Pres. Jeff Adams

Phone: 336.551.1109 **District 8** 

March, November V. Pres. Jason Kelly Phone: 828.456.2402

# **Meeting Dates & Locations**Should be sent to

The Maintenance Beacon two months in advance for publication.

#### **Deadlines**

Publication deadline for articles and advertisements is first day of the month prior to month of publication.

# **National Custodial Workers Recognition Day**

National Custodial Worker's Recognition Day is a holiday that falls on October 2nd each year. It is known in many forms, including National Custodian Appreciation Day, National Janitor Day, Custodial Staff Appreciation Day, Custodial Worker Day, and National Custodial Workers Recognition Day, to name a few.

Custodians are the people who keep schools and offices clean, and they work very hard to do so, so they certainly deserve a day in their honor.

Custodial work can be a tireless and thankless job, leading to custodians often being overlooked and not getting the recognition they deserve.

The origins of this unofficial holiday are unknown, although the day was added to The Chase Calendar of Events in 1995/96 but has become more widely recognized and celebrated in recent years.

Someone recognized the need to create a day that celebrates the work of custodians, who keep buildings, businesses, and schools well maintained, often working long shifts and performing physically demanding tasks.

Since we don't always see them at work, it is easy to forget that real people are keeping our spaces clean when we're not there. This day serves as a reminder to everyone that custodians everywhere need to be appreciated.

# **Meetings and Events**

**DISTRICT SEVEN GOLF TOURNAMENT** October 13, 2023 • Lunch at 12 pm • Tee Off 1 pm

Brushy Mtn Golf Course - 300 Golf Course Ln, Taylorsville, NC For more info please contact Robert Hoyle or Kristie Gilbert with Catawba County Schools at 828.464.3562

#### DISTRICT THREE GOLF TOURNAMENT

October 27, 2023 • Lunch at 12 pm • Shotgun start at 1 pm Wedgewood Golf Course, 3201 Old Stantonsburg Rd., Wilson, NC For more info contact Sue Farmer at

DISTRICT SEVEN FALL MEETING

252.399.7823 or sue.farmer@wilsonschools.net

### November 9, 2023 at 6:00 pm

Iredell-Statesville School Career Academy & Technical School 350 Old Murdock Rd., Troutman, NC 28166 For more info please contact R. Dale Ladd at 704.873-3755

#### **DISTRICT EIGHT FALL MEETING**

November 14, 2023 at 6:00 pm

Nesbitt Discovery Academy, 175 Bingham Rd. Unit 10, Asheville, NC For more info please contact Krisite Payne at 828.565.0115 or office@ncpsma.org

### **INDEX OF ADVERTISERS**

ACI Systems 6
Atlantic Coastal Supply, Inc
Davidson Sash & Door
D.H. Bruch Marketing, Inc
Duro-Last Roofing 6
EduCon4
Floor Action
Hardware Distributors
Hoffman & Hoffman
James M. Pleasants Co 4
John Q. Bullard9
Lewis Boiler Supply
Loman Garrett
Matt Marshall & Co 6
Musco Lighting
Pinnacle Dryer Corp
Reece, Noland & McElrath9
Richard K. Hunter & Co
Royalwood 4
Saffelle, Inc
Seating Safety Solutions
Seven Oaks Doors & Hardware
Seven Oaks Supply Co
Sky Enterprises
The Blind Butler/Premier Drapery8
The Cook & Boardman Group 2
Treat-Rite
WC Rouse 7

School Custodian Appreciation Day October 2nd





# PROUDLY SUPPORTING NCPSMA MEMBERS

We're your premier provider of architectural doors and frames, door hardware and related building specialty products as well as complete system integration services including: physical security, enterprise networking, low voltage cabling and more!

# Helping to Maintain North Carolina's Schools Since 1955

The Cook & Boardman Group of companies is your premier provider of integrated security solutions for building access control and occupant safety. We are the nation's largest distributor of commercial doors and hardware - and the sixth largest security systems integrator. With six convenient locations across the Tar Heel State, we're uniquely positioned to provide the best solutions for educational facilities. Allow us to offer you:

- Assessments
- Value engineering
- Specification review
- Project management
- Fire and life safety code compliance
- Installation, maintenance and service
- Product support/warranty management

To eliminate procurement headaches, choose our team to act as your single source for new construction and remodeling projects, as well as for any IT implementation. Contact your local branch to get started today!





Visit **www.COOKANDBOARDMAN.com** to learn more about our group, find helpful resources and to place product orders.

#### **Meet Your Local CBG Teams**





#### A3 Communications

Construction Divisions: 27 & 28

With offices in Charlotte and Raleigh, A3 Communications is one of the nation's leading systems integrators.
Purchase both your IT and physical security needs from one of their many state contracts!

Contact: Kevin Wren | (803) 984-7007





#### Cook & Boardman

Construction Divisions: 8 & 10

With offices in Charlotte and Winston-Salem, Cook & Boardman has provided architectural doors, frames and hardware across the state since 1955. Counter sales, preinstallation, fabrication, installation and service available!

Charlotte Office: Rob Burnett | (704) 681-2627 Randy Beeson | (980) 417-0248

Winston-Salem Office: Mark Van Hoever | (336) 865-3734 Scottie Hentschel | (828) 446-9746





#### Martin Architectural Products

Construction Divisions: 8 & 10

With offices in Cary and Wilmington, Martin Architectural Products is the leading provider of architectural doors, frames and hardware in eastern North Carolina. Counter sales, installation and service available!

Cary Office: Ira Garner | (919) 868-6593 Willmington Office: Kyle Praeuner | (402) 841-1345

NATIONAL PRESENCE. LOCAL SERVICE.®

## **Great Shakeout Earthquake Drill**



#### The Great SouthEast ShakeOut

Annual Multi-State Earthquake Drill

#### K-12 Schools and Districts

At 10:19 a.m. on October 19, 2023, millions of people will "Drop, Cover, and Hold On" in The Great SouthEast ShakeOut, the region's largest earthquake drill ever! All K-12 schools and districts are encouraged to participate in the drill (or plan a more extensive exercise)

Major earthquakes may happen anywhere you live, work, or travel. The ShakeOut is our chance to practice how to protect ourselves, and for everyone to become prepared. The goal is to prevent a major earthquake from becoming a catastrophe for you, your organization, and your

Why is a "Drop, Cover, and Hold On" drill important? To respond quickly you must practice often. You may only have seconds to protect yourself in an earthquake before strong shaking knocks you down, or something falls on you.



Millions of people worldwide have participated in Great ShakeOut Earthquake Drills since 2008. The Great SouthEast ShakeOut is held on the third Thursday of October each year.

Everyone can participate! Individuals, families. businesses, schools, colleges, government agencies and organizations are all invited to

#### Register today at ShakeOut.org/southeast

#### **HOW TO PARTICIPATE**

Here are a few suggestions for what K-12 schools and districts can do to participate in the ShakeOut. More materials and resources can be found at ShakeOut.org/southeast/howtoparticipate and ShakeOut.org/schools.

#### Plan Your Drill:

- Register at ShakeOut.org/southeast/register to be counted as participating, get email updates, and more. Download a Drill Broadcast recording from
- ShakeOut.org/southeast/drill/broadcast. Have a "Drop, Cover, and Hold On" drill at 10:19 a.m. on October 19. You can also practice other aspects of your
- emergency plan.

  Discuss what you learned and make improvements.

- Get Prepared for Earthquakes:

  Check your emergency supplies and equipment; make sure they are accessible and functional.

  Download and review school preparedness materials from ShakeOut.org/southeast/howtoparticipate.
- Encourage staff and students to prepare at home Distribute ShakeOut take-home materials.

#### Share the ShakeOut:

- Share the ShakeOut:

  Encourage students and staff to ask their friends, families and neighbors to register.

  Ask colleagues at other schools to participate.

  Find posters, flyers, and other materials for promoting the ShakeOut at ShakeOut.org/southeast/resources.

  Share photos and stories of your drill at Shakeout.org/southeast/share.







#### As a registered ShakeOut Participant you will:

- Learn what you can do to get prepared Be counted in the largest earthquake drill ever
- Receive ShakeOut news and other earthquake information · Set an example that motivates others to participate























# Tips for Boosting Security at HS **Sporting Events**

Sept. 5, 2023

Incidents from the past few weeks have proven that security plans at high schools likely need a comprehensive review by district administrators to ensure sporting events remain safe and secure for everyone.

#### Patrick V. Fiel, Sr.

It's game night at the local high schools. Hundreds or even thousands of spectators fill the stadiums eager to enjoy the big games.

The presence of throngs of enthusiastic fans alone can create a variety of security challenges -- but factor in drugs, alcohol, weapons and potentially gangs at the stadium and you could be looking at a recipe for disaster.

Incidents from the past few weeks have proven that security plans at high schools likely need a comprehensive review by district administrators to ensure sporting events remain safe and secure for everyone.

Here's a recap of what's happened in the past month across the U.S.:

**Aug. 18**: Florida police said a shooter opened fire on a crowd exiting the football game between Ribault and First Coast high schools in Duval County after the match was shut down early due to fighting. A 15-year-old student was arrested for firing a gun on school property and carrying a concealed weapon.

Aug. 25: A 16-year-old Oklahoma teen died after being gunned down at a football match between Del City and Choctaw high schools. Police said they found two guns and eight rounds of ammunition at the scene. A 15-year-old boy has been arrested in the shooting.

**Aug. 25**: At a Friday night game between Abington and Cheltenham high schools in Pennsylvania, a parent reported to police that they'd seen a teen with a weapon inside the stadium. A 17-year-old was found to have a loaded handgun with an extended magazine protruding from his waist. Police also said the teen was

continued on page 5

### **Meet Sue Farmer**

continued from page 1

husband was a long-distance truck driver and Sue decided to go to truck driving school at Johnston Community College and get her Commercial Driver's License. She was so excited when she passed! They drove together as a team and Sue was able to see the entire United States and some of Canada. That lasted for approximately five years and then she ultimately decided it was time to come back home where she was fortunate to be able to fill an opening in the maintenance department when

Greg Woodard, WCS Maintenance Director said, "Sue is a great asset for the Wilson County Schools Maintenance Department. Without Sue's help, I would not be able to keep up with my appointments and half of my paperwork. She will be greatly missed when she decides to retire."

Sue has been a faithful member of NCPSMA for thirteen years. She currently serves as the Secretary/Treasurer for District Three. Prior to that she served as the Vice President from 2014 to 2017. In 2018 she received the NCPSMA Employee of the Year Award and in 2022 she received the NCPSMA Member Appreciation Award.

District Three has flourished with Sue, Greg Woodard, Mark Letchworth and her co-workers. The district meetings and golf tournaments have raised enough funds that they would like to sponsor classes that would be beneficial to members of District Three. District Three is already a huge sponsor for the Jay Palmer Scholarship Fund. Sue feels that NCPSMA is a great resource for members to reach out to others with issues or concerns they may be dealing with. The classes taught gives members the opportunity to acquire credits to maintain the license needed for their line of work. It also gives members the chance to learn different skills to be able to advance to different careers.

Sue and her husband Marvin have been married for 41 years. She has one stepson, Billy: two step-granddaughters and three step great-grandchildren, a boy and a two girls. They live in Indiana. Sue said she and Marvin enjoy entertaining family and friends in their home. She said, "We have a game room with a 9-foot pool table and a foosball table. We do not spend as much time in the game room as I would like, but when we do everyone enjoys the time together."

Mark Letchworth, WCS Retired Director of Maintenance summed Sue's importance to the shop in a great phrase which says, "Behind ever good man, is a good woman and Sue is the backbone not only to Marvin and her family but to our entire maintenance family as well. WCS would be hard pressed to operate without her."

By Kristie Payne



The Carolinas' Largest Factory **Backed Bleacher Service and Repair Company** 

- Indoor/Outdoor Bleachers • Grandstands
- Auditorium
- Seating Arena Seating
- Lecture Seating Basketball
- **Backstops**

(336)622-1678 • www.seatingsafetysolutions.com



### **Press Release**

#### **Governor Cooper Directs \$8 Million to NC Pre-K Classrooms**

Funding will help meet classroom needs to support high-quality early learning for young children enrolled this year

Governor Roy Cooper is directing \$8 million in federal funding to provide a one-time special allocation to all NC Pre-K classrooms to help address classroom needs for the new school year. The NC Pre-K Program operates in every county statewide to provide high-quality early childhood education for eligible children. The Governor made this announcement at Mary Washington Howe Pre-K Center of New Hanover County Schools where he toured the center and called on the legislature to pass a budget that invests in public schools and early childhood education.

"As the new school year starts, we are still waiting on Republican legislators to pass a budget that makes meaningful investments in public education," said Governor Cooper. "NC Pre-K is a highly effective program that provides opportunities for young children to grow, learn, and develop new skills to put them on a path for success in school and this one time funding will help their classrooms right now."

Earlier this year, Governor Cooper proposed an investment in NC Pre-K of \$108.3 million for 2023-24 and \$199.5 million for 2024-25 to increase the state reimbursement rates for operating NC Pre-K classrooms in child care centers and public schools, provide start-up grants, and serve more children. Insufficient state reimbursement rates, rising startup and operating costs, and recruitment and retention of qualified teachers are key obstacles to NC Pre-K expansion, which currently serves only 52 percent of eligible children. The House and Senate budgets under consideration do not provide a funding increase for the NC Pre-K program despite extensive evidence of the program's effectiveness and a court mandate under the Leandro case to increase state funding and expand the program to serve at least 75 percent of eligible children in every county.

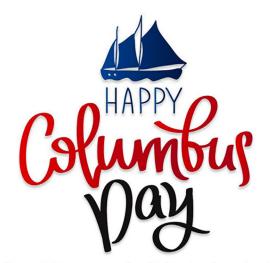
This one-time special allocation can be used for upgrading classroom materials, toys, supplies, playground equipment, supplemental curriculum materials, ongoing facility maintenance needs, mental health support for children and staff, professional development for staff, and other needs. The NC Department of Health and Human Services (NCDHHS) will distribute the funding to provide approximately \$3,860 per classroom for the 2,098 NC Pre-K funded classrooms statewide that are serving students this year.

"When we invest in our network of early childhood and NC Pre-K classrooms and teachers, we help strengthen all families and boost our state's economy," said Ariel Ford, the Director of the Division of Child Development and Early Education at NCDHHS. "We are thankful for this federal funding to allow us to continue to create nurturing environments that prepare young children for success in school and life."

Republican legislators have let another week go by without passing a new state budget or separating Medicaid expansion from the budget so it can start. Both the Senate and House budgets provide no meaningful support for critical early childhood education and child care. The Senate budget fails early learners, their families and businesses by providing no state funding for child care stabilization grants or the expansion of Smart Start or NC Pre-K. The House budget proposes only minimal funds to increase the child care subsidy rate and for Smart Start.

Thousands of North Carolinians continue to be deprived of health care access as legislators refuse to separate Medicaid expansion from the budget. Working North Carolinians, including many early childhood educators, fall in the coverage gap. The Governor is calling on legislators to start Medicaid expansion now.

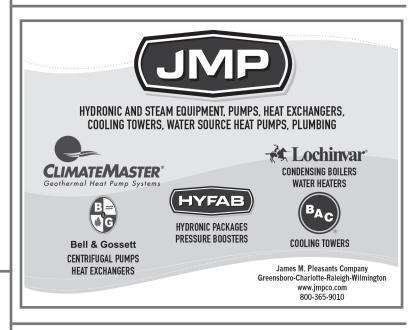
Funding for this new investment in NC Pre-K is from federal Emergency Assistance for Non-Public Schools (EANS) funds that have reverted to the Governor's Emergency Education Relief (GEER) fund.



Columbus Day is United States Holday commerating Christopher Columbus landing in the New World. In 1937 it became a national holiday by proclamation of U.S. President Franklin D. Roosevelt.









# Tips for Boosting Security at HS Sporting Events Continued from Page

continued from page 3

in possession of a second loaded magazine. The teen was taken into custody. No injuries were reported but the game was suspended at halftime out of an abundance of caution.

**September 1:** Gunfire broke out during halftime of the football game between Brusly and Port Allen high schools in Louisiana, killing a 16-year-old student and wounding a woman in the arm. No arrest has been made. The game was suspended.

Unfortunately, high schools across the country report incidents of vandalism, theft, fighting, shootings and even deaths every year. In the past few years, it has become so bad that school administrators have moved games to daytime hours, moved them to neutral sites, played them without spectators or simply canceled them altogether.

While these actions are intended to protect students and adults, they deprive an entire community of enjoying sports traditions and new rivalries being played with a sense of good sportsmanship.

Rather than take such extreme actions, it would be better for administrators to create security plans and incorporate security technology that make it more difficult for a few troublemakers to ruin the enjoyment for the vast majority.

#### A Layered Approach

Effective security measures can be achieved by using a combination of technology, policies, procedures and personnel.

The process begins with a thorough all-hazards assessment conducted by a security consultant, which should include the entire inside and outside of the stadium -- especially the parking lots.

The day of the game, school administrators should lock all stadium entries except those required for direct access to the stadium. Use fencing to seal off other areas of the stadium that have nothing to do with the game. Signage will help keep visitors moving in the right direction.

District landscapers need to trim trees and foliage around the stadium to reduce potential hiding places for weapons, contraband, and people.

Bright lighting on dark winter afternoons or at night can function as a deterrent to criminals and assist security staff and first responders in monitoring situations. Also, schools need to be sure to light all areas of the parking lots, streets and walkways.

Security personnel should regularly patrol the entire stadium area before, during and immediately after the game. Be sure to work closely with local law enforcement and request that extra officers be made available at the event, and to patrol the parking lots and immediate areas surrounding the stadium.

Security personnel can watch for loitering individuals and suspicious vehicles. Additionally, gathering and socializing in the parking lot or sitting in cars before or after the game should be prohibited.

Schools should train staff to recognize the signs of spectators under the influence of drugs or alcohol and have those spectators removed from the game.

Events should have a policy that requires attendees to remain in the stands unless they are entering or exiting the stadium, in line for concessions or using the

#### **Evaluating Technology Tools**

In addition, schools need to incorporate the necessary technology to prevent and mitigate security incidents on their campus.

Metal Detectors: Both handheld wands and walkthrough devices should be used to check spectators as they enter an event. However, personnel need to be properly trained in their use for the devices to work properly and without undue delays. Have a list of items that are prohibited in the stadium, such as all weapons, drugs, alcohol, backpacks or large bags and any other objects that may compromise public safety.

**Security Cameras:** Both indoor and outdoor security cameras should focus on the field of play, spectator seating areas, stadium entries and perimeters, as well as the ticket office, snack bar and parking lots.

During events, make sure security personnel or law enforcement officials are monitoring live video. If they see an area of concern, they can immediately respond and resolve the issue before it becomes a serious incident. If a crime is committed, the recorded video can help identify suspects and prosecute offenders.

continued on page 7

# **Reduce the Environmental Impact of Your Organization's Waste**

Five waste management tips for facility managers

by Bryan Christiansen October 12, 2022

In recent years, organizations looking for ways to reduce their environmental impact have turned their focus to facility waste management.

According to the U.S. Environmental Protection Agency (EPA), commercial and industrial facilities generate about 7.6 million tons of waste yearly. Managing all that waste efficiently and cost effectively can be a challenge. As such, facility managers must find ways to reduce the waste their buildings produce. Fortunately, there are many things they can do to achieve this goal.

This article suggests three key steps: conducting regular waste audits, analyzing your facility's existing approach to waste management, and working to reduce the level of waste that goes to landfills.

Understanding waste and facility management

The way an organization handles its waste is closely related to the overall effectiveness of its facility management. Good waste management practices can help a facility save money, reduce its environmental impact, and improve its image.

The first step in effective waste management is understanding the waste types generated at a facility. Waste can be classified as either solid or liquid, and each kind of waste presents

management challenges.

Solid waste: According to the EPA, solid waste is any garbage, refuse, or other discarded material resulting from industrial, commercial, mining, and agricultural operations. This waste can harm the environment if it's not managed correctly, so facilities need to have a plan for properly disposing of it.

Liquid waste: Industrial and municipal facilities generate large amounts of liquid waste, including sewage, stormwater runoff, and processed wastewater. Liquid waste can contain harmful pollutants that could contaminate water supplies and harm the environment.

Once a facility understands the predominant waste types it generates, the next step is to develop a plan for managing that waste. Facility managers can follow five tips to reduce waste and improve their facilities' environmental performance.

continued on page 6







#### Duro-Last®; the most water, wind and worryresistant roof in the business.

put a Duro-Last roof on, you can put it out of your mind.

#### Edge-to-Edge & Deck-to-Sky™







#### **BOILER-BURNER / SALES & SERVICE**

### MATT MARSHALL & CO.

**INDUSTRIAL EQUIPMENT & SUPPLIES** GREENSBORO, N.C. PH: 336-292-8477 FAX: 336-299-0249

> 1-800-632-1274 Email: Sales@MMCO.net

> > MAXITROL

• SPIROTHERM

• THERMOMETERS

TRANSFORMERS

TOPOG-E GASKETS

Email: Sales@MMCO.net

• McDONNELL-MILLER

"Call us for your boiler room supplies."

- ASCO "REDHAT" VALVES ITT GENERAL CONTROLS
- BACHARACH
- BELL & GOSSETT
- CONBRACO • ELECTRODES
- FIREYE
- GAUGES
- HONEYWELL / RM 7800

WWW.MMCO.NET

- WATTS VALVES
- ★ Serving Industry Since 1954 ★
- "Steam Is Our Specialty"





#### **WE OFFER:**

- Cost effective installation
- Leak proof warranties
- Seamless roof systems
- Eco-friendly materials Energy Star products
  - (888) 233-5997

www.roofsbyaci.com



**ADHERES TO:** 

Single-Ply (TPO & EPDM) Metal Roof panels Smooth Built-Up-Roof

Modified Bitumen

# DRYER CORPORATION

Spray Foam



Vandal-Resistant **Automatic and Quiet** Touch-Free Low Maintenance Made in USA!



Call 844-518-0997

Statesville, NC

www.PinnacleDryer.com

#### Hardware Distributors, LLC

a Kendell Door & Hardware Company

Architectural Wood Doors, Hollow Metal Frames & Doors, Washroom Accessories & Toilet Partitions Installation service available

> PO Box 16847 Greensboro, NC 27406 1-800-632-1324

# Reduce the Environmental Impact of Your Organization's Waste

continued from page 5

#### 1. Conduct regular waste audits

By identifying the areas where your facility produces the most waste, you can focus on finding solutions. Start with finding and addressing the root causes of your facility's waste. Even simple

changes, like using more recycled materials, can make a big difference.

Regular audits will help you keep track of your progress and ensure that your efforts have a positive impact. Many facilities find that conducting waste audits is one of the most effective ways to reduce environmental impact.

#### Analyze your current approach

To analyze your current approach to waste management, consider the following:

- The type and amount of waste produced
- The source of the waste
- Environmental and financial costs of managing the waste
- The potential solutions for reducing waste

With these in mind, facility managers can develop a waste management plan tailored to their facilities. Let's say you want to reduce the amount of paper waste your facility produces. You can do this by switching to digital documentation and communication. The change would require an initial financial investment, but it would save money in the long

#### 3. Implement a waste-reduction plan

After conducting an audit and analyzing your current approach to waste management, implement a plan to reduce waste. This plan should include specific goals and objectives as well as strategies for achieving those goals.

As previously mentioned, switching to digital documentation and communication could be one solution. Other solutions might include:

- Recycling: Setting up a recycling program for paper, plastic, and
- Composting: Implementing a composting program for food waste
- Reusing: Finding ways to reuse materials instead of throwing them away

These are just a few examples; there are many other ways to reduce waste. The important thing is to find solutions that work for your facility.

#### 4. Educate your employees

Educating your employees on the importance of waste reduction is essential to the success of your plan. Employees should be aware of the goals, objectives, and strategies used to achieve the plan.

Make sure to ask employees for their input on the plan. This will help ensure that everyone is on board and increase the chances of successful implementation. When employees are invested, they are more likely to make an extra effort to reduce waste.

Suppose you plan to reduce waste using a technical solution. In that case, train your employees about the latest technology and how it can help reduce waste. Encourage them to attend workshops and seminars on waste reduction.

#### 5. Monitor your progress

Monitoring your progress is essential to ensure that your waste reduction plan works. Track the amount of waste produced and the costs associated with managing that waste. Periodically conduct waste audits to follow your progress and stay on schedule with your objectives.

If you are not making progress, it's crucial to identify why and make appropriate revisions to your plan. Sometimes, changes in technology or processes can help you achieve your goals, while other times, they might stimulate the need to make adjustments.

For example, if you cannot reduce the amount of waste produced, you may need to increase your recycling or composting efforts. Overall, monitoring your progress and updating your facility management strategy is essential to the success of your waste reduction plan.

Reap the benefits of your efforts

Reducing waste can seem daunting, but it is achievable. You can see accurate results by auditing your facility's waste production, implementing a waste reduction plan, and educating your employees on the importance of reducing waste. And don't forget to monitor your progress—this is essential to ensure an effective waste management plan.

#### Bryan Christiansen FOUNDER AND CEO, LIMBLE CMMS

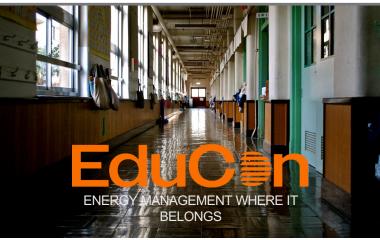
Bryan Christiansen is the founder and CEO of Limble CMMS. Limble is a modern mobile CMMS software that takes the stress and chaos out of maintenance by helping managers organize, automate, and streamline their facility maintenance operations. Email bryan@limblecmms. com for more information.

Reprinted from CMM - Cleaning & Maintenance Management (https://cmmonline.com/ articles/reduce-the-environmental-impact-of-your-organizations-waste)









EduCon Inc. Winston-Salem, North Carolina 336-409-4694 info@educonenergy.com www.educonenergy.com

#### EduCon can assist Maintenance Departments with:

- ✓ Uploading existing utilities data, or creating a new utilities database in the EPA's Portfolio
- Enter information from monthly utilities
- Prepare monthly and annual reports that include summarized data analysis





**Cooling Towers Hot & Cold Water Loops Timers** 

**Softners Boilers** Controllers

**SKY ENTERPRISES. INC. Water Treatment Specialist** 

(252) 522-1435 • 1-800-729-0590 PO Box 1764 • Kinston, N.C. 28503

tlantic Coastal Supply, Inc. Plumbing & Industrial Specialties www.acsparts.ne PO Box 2887 Greenville, NC 27836 Phone: 800.520.0556 • Fax: 800.204.5630 • Email: sales@atlanticcoastalsupply.com

# **Deadly Mistakes** Fatal Event on August 19, 2021

By Judyth Forte, State Plan Coordinator

Fatal Event: On Aug. 19, 2021, a 26-year-old man died from asphyxiation when he mistakenly attached a hose feeding compressed nitrogen gas into his supplied air respirator instead of breathable air while working in a paint booth.

Investigative Findings: The operation was a production facility that installed truck bodies on a variety of commercial trucks and cargo vans. It comprised of eight work truck service bays and a room with two spray booths. One for spraying truck body parts and one for spraying truck bed liners.

The employee was provided to the employer via a staffing agency on April 5, 2021, where he was hired as an installer. Under the contractual agreement, the staffing agency provided a position-specific orientation and safety equipment training prior to sending the employee to the host employer. When the employee got to the host facility, it became their responsibility to provide initial and ongoing site-specific safety training, including safety equipment. The host employer did not notify the staffing agency that the employee had changed his job from installer to painter in early June.

On June 29, 2021, a Nitrotherm unit was installed in the painting booth. This liquid spraypainting method utilizes nitrogen instead of normal compressed air to spray the paint onto the parts. Training was provided to the painters, including the temporary employee, relative to operating controls and maintenance procedures. The connection for the spray gun that provided the nitrogen-rich air was next to the connection that provided fresh air to the respirator hood that was used for breathing and cooling the suit.

On the day of the incident, the temporary employee had worked past his scheduled work hours to correct a painting mistake he had made earlier in the day. He took a truck part into the paint booth and was in the process of getting ready to paint when he collapsed. He was found by a coworker about three hours later unresponsive on the floor of the paint booth. The employee that found him removed the respirator hood and tossed it aside prior to beginning resuscitation efforts, but his attempts were unsuccessful. It was found that the respirator hood had inadvertently been connected to the nitrogen rich air.

Discussion: It was discovered that the quick connection couplings for both the breathing air and the Nitrotherm system air were ¼-inch sized connections, allowing for crossconnectivity. Due to this, the victim inadvertently connected his respirator to the Nitrotherm air and was exposed to an asphyxiation hazard of 7.3% oxygen content.

When employees use supplied air respirators, the employer must ensure couplings for continued on page 8

# Tips for Boosting Security at HS Sporting Events continued from page

continued from page 5

These are a few of the solutions that are available to help reduce security threats. The key to having a safe football game is prior planning with a comprehensive plan in place for all types of incidents and hazards.



Patrick V. Fiel Sr. is a national security consultant specializes in providing schools with a holistic security approach. He has over 40 years of experience in law enforcement and security, he was the Executive Director of Security for the Washington, D.C. 163 Public Schools, the Public Safety Advisor for ADT Security Services and has worked with thousands of schools providing security services and solutions. Patrick is retired from the U.S. Army Military Police Corps. Contact him to schedule a time to discuss how he can assist your school district or school. Patrick can be reached at (910) 789-4265 or pvfiel@gmail.com.

# THE MAINTENANCE

Executive Director: Kristie Payne Phone: 828.565.0115 E-Mail: office@ncpsma.org Website: www.ncpsma.org

The Maintenance Beacon is the monthly publication of the North Carolina Public School Maintenance Association. Advertising, editorial material, memberships and subscriptions are handled through the office of the Executive Director, 224 Mulberry St. Clyde, NC, 28721.

NCPSMA does not guarantee, warranty or defend the use of any products or services of those who sponsor, advertise or contribute articles in The Maintenance Beacon.

Officers of the Association

President Vice President Secretary **Liasion Officer Immediate Past President** 

David Martin Mark Letchworth Jodene Abney Chris Campbell Bergie Speaks

704.658.2630 or dmartin@mgsd.k12.nc.us 252.399.7822 or mark.letchworth@wilsonschoolsnc.net 910.678.2488 or jodeneabney@ccs.k12.nc.us 828.635.8248 x 303 or chriscampbell@alexander.k12.nc.us 336.667.2021 x 4009 or speaksb@wilkes.k12.nc.us

# **Deadly Mistakes**

**Fatal Event on August 19, 2021** 

continued from page 7

the Grade D breathing air are incompatible with all other compressed air or gas system lines in the area. This could include normal shop air, compressed air for paint guns and especially inert gas lines such as nitrogen or argon.

The host employer trained employees, including the temporary employee, on the new system, but the training was deficient as it did not include a discussion of nitrogen hazards or avoidance of connecting the supplied air respirators to the Nitrotherm air hose. They also neglected to conduct respiratory protection retraining following installation of the Nitrotherm system, which was a process change, and Hazard Communication training when nitrogen was introduced into the workplace. In addition, no medical evaluations were conducted for employees using a respirator and no safety data sheets were available for the nitrogen.

The temporary staffing agency was not informed that their employee had become a painter, so they were not aware that new safety training needed to be completed surrounding the job change from installer to painter. They were also not aware that the paint booth system had been changed out, which would also require new safety training addressing the new system installation.

#### Recommendations:

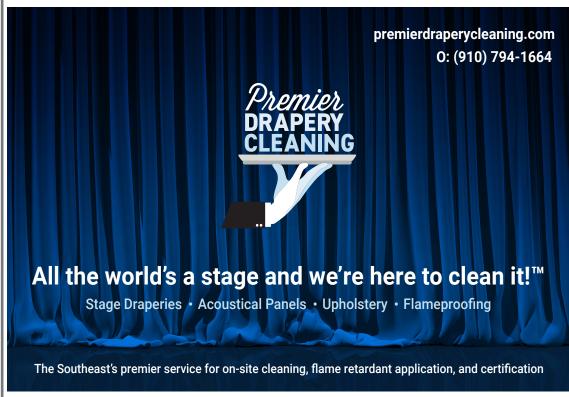
- The employer shall ensure that breathing air couplings are incompatible with outlets for non-respirable worksite air or other gas systems. No asphyxiating substance shall be introduced into breathing lines.
- When working with a temporary employment agency, make sure that they stay informed of employment changes for the employees that they have provided. The joint employment structure requires effective communication and a common understanding of the division of responsibilities for the safety and health of the employee.
- ☐ When there is a workplace change for either equipment or introducing a new hazard into the workplace, employees need to be trained so they have a full understanding and knowledge of the changes and how they impact them. The new dangers should be explained, and the required safety data sheets need to be onsite and available to the employees to review at any time.
- Employees need to undergo a medical evaluation to determine their ability to use a respirator before being fit tested and required to wear a respirator.

Reprinted by permission from NC DOL Labor Ledger July-August 2023 Issue



Don't forget to celebrate Boss's Day on October 16,2023





# **MEMBERSHIP APPLICATION**

Membership runs from July 1, 2023 through June 30, 2024.

Membership Dues are \$20.00 if paying by check. Complete this form and submit along with your check for \$20.00 to: NCPSMA, 224 Mulberry Street, Clyde, NC 28721

NAME					
LEA (Local Educational Agency) OR COMPANY					
ADDRESS					
CITY		STATE		ZIP	
TELEPHONE					
E-MAIL					
Would you like a reminder sent to your e-mail each month when the latest edition of the Maintenance Beacon is available online?			YES	NO	

MEMBERSHIP TYPE			
REGULAR MEMBERSHIP	Available to all maintenance employees of various city, county, and state public schools as well as institutions of the community colleges.		
REGULAR RETIRED MEMBER	Available to all RETIRED maintenance employees of various city, county, and state public schools as well as institutions of the community colleges.		
ASSOCIATE MEMBER	Available to all people interested in the betterment of public- school maintenance including school board members, superintendents, principals, teachers, and vendors. ** Associate Members DO NOT have voting privileges.		

MEMBERSHIP	Continuation of Current Membership	
	First Time Member	

Are you the Maintenance Director / Supervisor of your LEA?

Online payments of \$21.00 per membership are accepted at <a href="https://www.ncpsma.org">www.ncpsma.org</a>

Online payments of \$21.00 per membership are accepted at <a href="www.ncpsma.org">www.ncpsma.org</a>

FOR OFFICE USE ONLY		
PAID FOR WITH CASH or CHECK #	RECEIPT #	

YES

NO

# **District Three Golf Tournament Save The Date**



WEDGEWOOD PUBLIC GOLF COURSE WILSON, NC FRIDAY, OCTOBER 27, 2023 RAIN DATE – FRIDAY, NOVEMBER 3, 2023 1 PM SHOTGUN START

## NCPSMA Annual Golf Tournament District III Superball Tournament

DATE: October 27, 2023

RAIN DATE: November 3, 2023

PLACE: Wedgewood Golf Course 3201 Old Stantonsburg Road, Wilson, NC

Entry Fee: \$50.00 per person

\$200.00 per team

(THIS INCLUDES: GREEN FEE, RANGE BALLS, CART & LUNCH)

ALL CHECKS: PAYABLE TO: NCPSMA DISTRICT III

REGISTRATION FORM and PAYMENT FOR HOLE SPONSORSHIP AND TEAMS ARE DUE BY OCTOBER 21, 2022

#### !!!!!!!!!!ATTENTION!!!!!!!!!!

#### !!!!!IF PAYMENT IS NOT RECEIVED BY THIS DATE YOU CANNOT PARTICIPATE!!!!!

LUNCH AT NOON

Shotgun start at 1:00 PM

Hole Sponsorship: \$100 per hole

Prizes Include:Low Score, Closest To Pin, Longest Drive

Mulligan's: \$5.00 Each (MAX) 2

#### **COMPLETE:**

Team Name:	
Team Players Names:	
Address:	
School Unit or Company	

#### **RETURN TO:**

Wilson County Schools – Maintenance Department

PO Box 3878, Wilson, NC 27895

Attention: Sue Farmer-Golf Tournament

Phone – 252-399-7823 Fax – 252-243-7197

Email: sue.farmer@wilsonschoolsnc.net



# Floor Action

Serving your area for over 30 years

We install, repair and refinish all types of floors. Bleacher repair and inspections. Fire and water damage restorations. Power volleyball inserts and installation.

Patrick Morningstar, Owner Josh Walton, Sales

Toll Free 800.745.6116 Local 252.291.6116

Fax 252.291.8042 scsbyflooraction@gmail.com

"Responding to Modern Engineering Challenges
With Innovative, Cost Effective Solutions"



Reece, Noland & McElrath, Inc.

409 North Haywood Street / PO Box 540 Waynesville, NC 28786 Waynesville (828) 456-9851 Asheville (828) 253-3280 Fax (828) 456-6205

WWW.RNM-ENGINEERS.COM





Parts & Service 24 hours a day, 7 days a week! Phone: (336) 697-2090 Fax: (336) 697-8247



3127 Cedar Park Road Greensboro, NC 27405 www.lewisboiler.com

We Keep the Fires Burning!

We Carry ALL Makes/Models for steam, oil, gas, or hot water boilers

HONEYWELL CONTROLS
HOFFMAN
BELL & GOSSETT
BOILER SECTIONS
GOODWAY BRUSHES
GLOBE, GATE, SOLENOID,
BUTTERFLY, ETC. VALVES
OIL NOZZLES
BURNERS & ACCESSORIES

OIL FILTERS
TOPOG-E GASKETS
FIREYE CONTROLS
McDONNELL-MILLER
REGULATORS, TRAPS
ITT GENERAL CONTROLS
IGNITORS/ELECTRODES
REFRACTORY MATERIAL
PIPE FITTINGS

# **DISTRICT SEVEN GOLF TOURNAMENT**

Annual Scholarship Golf Tournament Friday, October 13, 2023

Brushy Mountain Golf Course, Taylorsville, NC

\*\*Please register by September 23,2023 if possible

REGISTRATION OPEN TO THE PUBLIC (All are welcome) Maintenance personnel and directors, vendors, and the public are invited!

North Carolina Public School Maintenance Association District VII (consisting of 13 northeastern counties) is hosting their 22nd Annual Scholarship Golf Tournament! We encourage participation from each county to support this excellent educational opportunity for our well-deserving students!

#### **Tournament Format:**

- Limited to 25 Teams
- Captian's Choice: Four players per team
  - Players may make their own pairings.
- \$60 entry fee per player
  - Covers: green fees, carts, prizes, catered lunch, and two mulligans (one on the front and one on the back).
  - An additional two mulligans can be purchased for \$10.
- Lunch and Registration starts at 12 PM. Tee-off is at 1 PM!

#### **Prizes & Information:**

- Cash prizes for 1st and 2nd place and for closet to the pin and the longest drive.
- Snacks and soft drinks will be available throughout the tournament.

#### **Hole Sponsorship & Donations:**

- Hole sponsorship cost is \$100
  - Furnishes a sign on your hole with your company name and number if requested
- Tent Sponsorship cost is \$200
- Team Sponsorhip cost is \$240
- Vendor donations needed for prizes and are greatly appreciated!

Please contact Robert Hoyle at 828.464.3562 with questions.!

We look forward to seeing everyone and having a great time of fun, fellowship, and golf!

Respectfully yours,

Jeff Adams, President, NCPSMA District VII



**ABH Manufacturing** 

#### Dormakaba, USA

- Best Locks, Closers, Hinges & Exit Devices (PHI)
- dormakaba Closers, Locks, **Exit Devices & Commercial** Hardware

**National Guard Products** 

**Overly Door Company** 

**Security Door Controls** 

(704) 588-5214

Representatives

352 Crompton St. Charlotte, NC 28273

Trimco Hardware

Providing Great Service for 59 years

## **DISTRICT SEVEN GOLF TOURNAMENT SPONSORSHIP FORM**

VENDOR NAME:
CONTACT NAME:
PHONE NUMBER:
Yes, we would like to help sponsor the District seven golf tournament by:
Hole Sponsorship \$100:
Tent Sponsorship \$200:
Team Sponsorship \$240:
Monetary Donations (Amount):
Door Prizes:
Raffle Item:

All sponsors will be recognized during the tournament and in the Maintenance Beacon by District Seven.

\*\*Your help, dedications, and support are greatly appreciated!

#### THANK YOU!!!

Accepted forms of payment are cash or check made payable to NCPSMA. Please mail, fax or email sponsorship form to:

Robert Hoyle PO Box 1010 Newton, NC 28681 Robert\_hoyle@catawbaschools.net

Phone: 828.464.3562 (office)

# **DISTRICT SEVEN GOLF TOURNAMENT TEAM SIGN UP FORM**

PLAYER ONE NAME:			
PLAYER TWO NAME:			
PLAYER THREE NAME:			
PLAYER FOUR NAME:			
TEAM NAME:			
TEAM CAPTIAN:			
PHONE:	EMAIL:		
PAYMENT: CASH CHECK	AMOUNT	CHECK No	

\*\*\*Requesting pre-registration by September 23, 2023\*\*\*

Accepted forms of payment are cash or check made payable to **NCPSMA**. Please mail, fax or email sponsorship form to:

Robert Hoyle PO Box 1010 Newton, NC 28681 Robert\_hoyle@catawbaschools.net