THE MAINTENANCE BEACON

Currituck Beach

The Monthly Newsletter of the North Carolina Public School Maintenance Association

Volume 56, Number 6
June 2019

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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. Cynthia McCabe
Phone: 910.678.2539
District 5
March, September
Pres. EC Stophel
Phone: 336.634.3270
District 6
April, October
Pres. Chris Adkins
Phone: 980.343.4526
District 7
May, November
Pres. Raymond Bowles
Phone: 336.751.1991
District 8
March, November
Pres. Joe Buchanan
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.

Meet KEITH HOLLEMAN

Keith Holleman

Keith Holleman keeps the Wilkes County School (WCS) Maintenance Office running smoothly and efficiently. He is the office manager as well as the safety manager. Keith has been employed in the WCS Maintenance Department for 19 ½ years. He was previously employed by Gravely International in Clemmons, NC. Keith said, "There have been many challenges over the years with my job, but I have enjoyed my time in the maintenance department. It is the best job I have ever had. After spending 20 years at Gravely International in Clemmons, I was forced to make a move when Gravely moved to Green Bay Wisconsin; way too cold and way too far from home for me. Every day I thank God for putting me here." Bergie Speaks, WCS Maintenance Director is also grateful God put him there. Bergie said, "When I was asked to say a few words about Keith, I immediately said yes, I'll be more than glad to. Then I got to thinking, how can I just say a 'few' words? Keith has been a huge asset to WCS, an awesome co-worker for the entire department as well as a genuine friend. Keith has not only been an excellent employee; he has spent countless hours working with the NCPSMA as well as the NCAEOP. Both very good organizations with meaningful values and training opportunities for their members. Just know, Keith is a 'one of a kind-true friend' that goes over and above in his job, as a co-worker, as a parent, and as a friend."

Keith has been a faithful member of NCPSMA since he joined the WCS Maintenance Department. Keith said, "I remember when I first started working in the maintenance department, Bergie asked me to join NCPSMA and become the secretary/treasurer. I told him I didn't think so, but he kept on and I finally agreed. I think he paid my first membership dues to get me to join. It was one of my better decisions." Keith served as the District Seven Secretary/Treasurer for several years and did an awesome job; he is so organized and efficient. He has also helped organize

continued on page 2

JOIN US
FOR THE 47TH ANNUAL EASTERN CONVENTION/WORKSHOP

NCPSMA plans to hold our 47th Annual Eastern Convention/Workshop September 25-27, 2019 at the DoubleTree by Hilton, Atlantic Beach, NC. We hope you are making plans to attend. We have a contract with DoubleTree, thus, we trust you reserve your rooms at DoubleTree as we have a room block we must meet. Don't delay in making your reservations - our room block will go quickly! Please see the ***Important Information Section*** in this issue for reservation information.

Registration will begin on Wednesday, September 25 at 8 am. The exhibitors will arrive Thursday morning and will remain through noon Friday. We encourage you to visit with the exhibitors.

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MEETINGS & EVENTS

NCPSMA DISTRICT SEVEN ANNUAL GOLF TOURNAMENT
June 21, 2019 Registration/Lunch 12:30pm
Tee off 2:00pm at Pudding Ridge Golf Course, Mocksville NC
For more information contact Raymond Bowles at bowlesr@davie.k12.nc.us or 336-751-1991

NCPSMA DISTRICT TWO MEETING
July 18, 2019 at 8am to 4pm at Duplin County Cooperative Extension
165 Agriculture Dr, Kenansville, NC 28349
For more information contact Ronald Moore at 910.296.6198

NCPSMA DISTRICT THREE MEETING
August 1, 2019 at 4pm at Johnston County Schools Facility Services, 601 A West Market Street, Smithfield NC 27577
For more information contact Sue Farmer at 252.399.7823

NCPSMA DISTRICT FIVE MEETING
September 12, 2019 Tour of Facilty 4:30-5:30
Registration: 5-5:30 Welcome/Dinner/Meeting 5:30
Paisley IB Magnet/Lowrance Middle School
1400 Grant Ave., Winston-Salem, NC
For more information contact Justin Dyson at 336.661.4999 or Roxie Mack a 336.366.4939/roxiermack@gmail.com

47TH ANNUAL NCPSMA EASTERN CONVENTION/WORKSHOP
September 25-27, 2019 at DoubleTree, Atlantic Beach
2717 W Fort Macon Rd, Atlantic Beach, NC
For more information contact Roxie Mack at 336.366.4939 or roxiermack@gmail.com

NCPSMA DISTRICT THREE ANNUAL GOLF TOURNAMENT
October 25, 2019 rain date November 1, 2019
1pm at Wedgewood Public Golf Course , Wilson NC
For more information contact Sue Farmer at 252.399.7823

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KEITH HOLLEMAN

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and play in the District Seven Golf Tournament fundraisers for many years. The tournaments raise money for the District Seven Scholarship Program. Keith said, "I enjoy helping with and playing in the golf tournaments. Through our fundraising efforts, our district has been able to present many scholarships over the years. I think my biggest contribution to District Seven is that Bergie and I spearheaded the creation of our District Seven Scholarship Program. I am very proud of that." What an accomplishment! Bergie Speaks said, "Because of Keith's efforts and assistance, we raised more money for our district in the three years Keith served as the secretary/treasurer than in any previous year. The scholarship program has benefitted several members and/or their children over the years." For someone who was, at first, a little reluctant to become a member/officer, Keith certainly "stepped up to the plate" and "dug in." He has been a real asset to NCPSMA District Seven. Keith said, "I enjoy the semi-annual dinner meetings and always look forward to the annual conferences at Atlantic Beach and Ridgecrest. I feel that I have made some lifelong friendships by being active in NCPSMA.

Keith has plans to retire effective July 1, 2019. He is looking forward to traveling more. He's already traveled to Alaska, The Grand Canyon, Utah's National Parks, Yellowstone, Yosemite/San Francisco, The Grand Tetons and Colorado. In 2020 He's considering a trip to Hawaii to visit his niece and her family. He enjoys travel, but his main hobby is running. Keith said he runs four to five days a week. So far, he has participated in two marathons (Myrtle Beach in 2014 and 2015). He said, "I enjoy half marathons more. I'm getting too old for the full marathons." Elaine Martin, of the Wilkes County Schools Maintenance Department said, "Keith loves to travel and run. His most recent trip was to New York City, which he truly enjoyed; but I think the most enjoyable part to him was running in Central Park! He runs most every day to keep his 'school boy' figure, lol. Keith is a great friend, brother and coworker. I will truly miss him when he retires!" Keith enjoys playing golf as well. Bergie said, "Keith and I have had the pleasure of playing golf together over the years. He is a much better player than I am, but I can assure you, being better than me is not hard. Once we were paired with a couple other players and one of them boasted that he was a 'wringer', and he was very serious about it. Keith and I were excited and glad that we had someone who seemed 'confident' about their game on our team! However, after the second hole, Keith and I realized we were the best players on our team. We still laugh about the time we played with 'The Wringer.' There are so many great times we've had together that I could share."

Keith was born in Lexington, NC. His parents are natives of Wilkes County, but moved to Lexington for their job. They moved back to Wilkes County when Keith was six years old and he has remained a resident of Wilkes County. Keith is devoted to his family. He said, "I married Dawn Joyner in 2000, the same year I came to work for the Maintenance Department. Two of the best decisions of my life!" They have three children, Matt, Hannah and Stephanie. Matt served in the Army and did a tour in Afghanistan. Currently he is an investment advisor for Grubb Properties. Matt is also enrolled in the Wake Forest Master's Program and plans to finish this year. Keith said, "We can't wait to see him walk during next May's graduation at Wake Forest, he is my hero!" Hannah graduated from Western Carolina University and is an EC teacher at Ronda Clingman Elementary School. Keith said, "Hannah has a self-contained class and does an outstanding job with those kids. She is 'big' in running and is getting into Spartan races. She and I are going to run 'The Bear' (a five-mile run to the top of Grandfather Mountain from Linville at the intersection of Hwy 221/105) in July. I guess you could say running is in our blood. Dawn is also a runner and she and Hannah have multiple marathons under their belt. Matt is an on again/off again runner. He and Dawn were instrumental in getting me started running. Stephanie is our wild child. She is still trying to find her way. Our prayer is that she will soon."

Keith and Dawn have two grandchildren: Hailey is eight years old and is the third grade. Jazzy just turned eight and is in the second grade. He said, "Our grandchildren are our pride and joy. Dawn and I love those Sunday afternoons when both girls come to visit. They wear Papa out, but I love every minute."

Keith is a member of Temple Hill United Methodist Church where he serves as the Pastor Parish Relations Chairman. He has served over the years as Youth Director and Sunday School Superintendent. He and his family volunteer with Samaritan's Purse and BROC (Blue Ridge Opportunity Commission). They have also worked with Habitat for Humanity and Samaritan Kitchen of Wilkes. Keith said, "Serving the Lord and serving others is what it's all about."

As Keith's retirement date grows closer Bergie said, "It makes me wonder where the time has gone." I will truly miss my daily interaction with Keith but wish him the very best in his next chapter of life." Even though Keith is looking forward to retirement, he realizes what a big change it will be. He said, "I know that I will miss my job and all the people that I work with. They are a great group! NCPSMA is also made up of a great group of people! I hope to stay active and involved in NCPSMA events after I retire." Keith would like to extend the following prayer to our readers:

May the Lord bless you and keep you;
May the Lord make His face shine upon you
And be gracious to you;
May the Lord lift up His countenance upon you
And give you peace.

Keith has been a real asset to the WCS Maintenance Department and to NCPSMA District Seven. He will definitely be missed! We wish him many healthy, happy years in retirement.

By Roxie Mack,
NCPSMA Executive Director

HAYWOOD COUNTY HOSTS DISTRICT EIGHT MEETING

Brandon McGaha

District Eight met March 18 at the Haywood County School Maintenance Department. District Vice President Brandon McGaha welcomed everyone to the event. Vice President McGaha introduced special guests in attendance: Joe Buchanan, Haywood County Schools Maintenance Director; Kristie Keener and Ron Mack, NCPSMA Past State Presidents; retired member, Wes Lee.

Ron Rogers of Haywood County Schools gave the invocation and everyone enjoyed a delicious meal of grilled chicken with all the fixings and dessert. The meal was prepared by Joe Buchanan, Kristie Keener and Sharon Chambers.

Following the meal, Vice President McGaha called the business meeting to order. The minutes of the previous meeting and the financial statement were provided. New officers were elected as follows: Joe Buchanan, President; Adam Robinson, Vice President; Jason Kelly, Secretary/Treasurer; Ron Rogers, News Coordinator; Sharon Chambers, One-Year Advisory Council Member and David Earley,

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DAVIE COUNTY HOSTS DISTRICT SEVEN MEETING

State President Michael Spillman

Ron Mack and Raymond Bowles

NCPSMA District Seven held their spring meeting on April 25, 2019 at The Depot Restaurant in Dobson. The unique restaurant is located in the rolling hills at the foot of the Blue Ridge Mountains. If you have been there you know what a truly unique restaurant it is. The Depot gets its name from the Sanford Depot, where they bought many of the parts incorporated in the restaurant's unique décor. Just inside the front entrance, patrons are greeted by a huge water wheel with running water splashing into a 'stream' that is surrounded by many stuffed, mounted animals - from black bear to wild turkeys. The owner's, Freddy and Kathy Snow, are there to welcome you to the dining experience. If you get there early, you might be seated immediately, inside the section of the restaurant that has old jail cell bars (from a local jail) surrounding the dining area. Most times you might have to wait a bit on the comfortable seating along a long hall with large windows and an "art exhibit" displaying all types of wildlife, moonshine bootleggers and a Civil War prints; before you are seated in the large dining area to the left of the entrance. Our District Seven meeting was

Attendees

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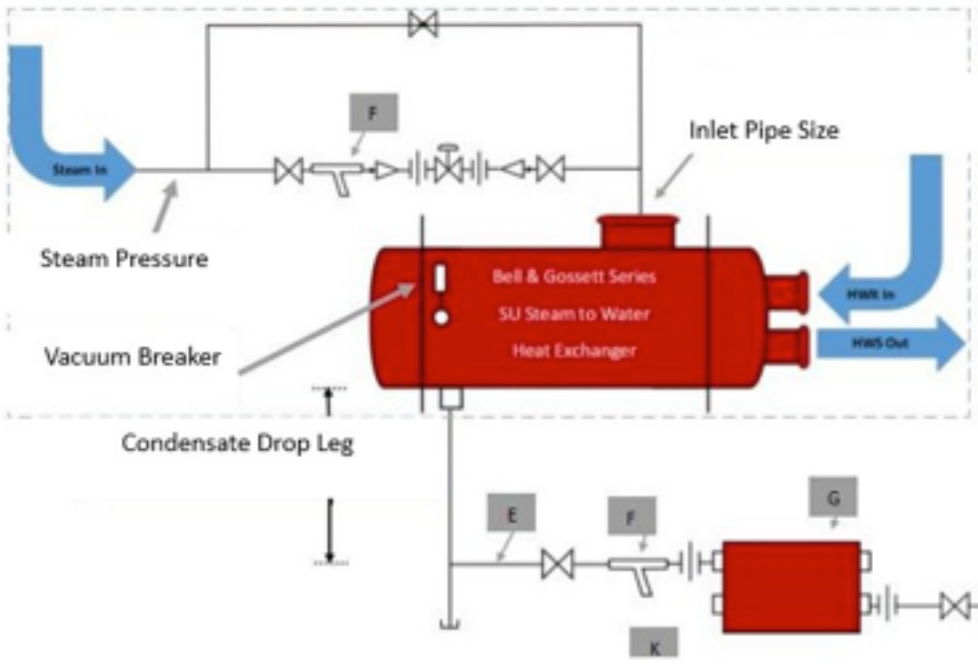
STEAM BASICS

Part Five
Condense Drop Leg and Pipe Size

We discussed the steam pipe size entering a shell and tube heat exchanger, also called a convertor. This month we turn our attention to the condensate outlet.

A customer recently asked, "I was told to pipe a 14-inch condensate drop leg from the bottom of a steam-to-water heat exchanger to the F&T trap inlet. What happens if I only have room for 10 inches instead of 14?"



The question regarding the "C" dimension, or condensate drop leg, on the sketch above is important for properly draining the condensate from the heat exchanger.

If steam tries to travel through condensate, it causes water hammer damage as the steam adds energy to the water and it flashes back into steam. It's important to make sure all of the condensate is drained out of the heat exchanger when the steam valve opens.

There's a modulating control valve in most HVAC applications that use shell and tube heat exchangers. The control valve is normally sized for a 50% drop in pressure at the rated PPH design capacity. When the valve is fully open, that reduced steam pressure is in the shell. Once the valve closes, the vacuum breaker opens and the pressure in the convertor goes to zero PSIG. At that point, the only motive force to move condensate through the trap is the pressure caused by elevation. Since the trap has a pressure drop, we rely on the "C" distance to provide the head required to overcome the pressure drop in the trap.

Condensate Drop Leg Length

One PSIG of water pressure will lift water about 2.3 feet, or 28 inches. If we had a column of water 28 inches high with "0" PSIG on top, a pressure gauge at the bottom would read 1 PSIG. If we fill the drop leg to the trap with 14 inches of water, there will be ½ PSIG pressure at the trap inlet.

In low-pressure systems, we normally specify the trap to be sized at ½ PSIG differential when we have a gravity return out of the trap with no lift. Now we

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THE MAINTENANCE BEACON

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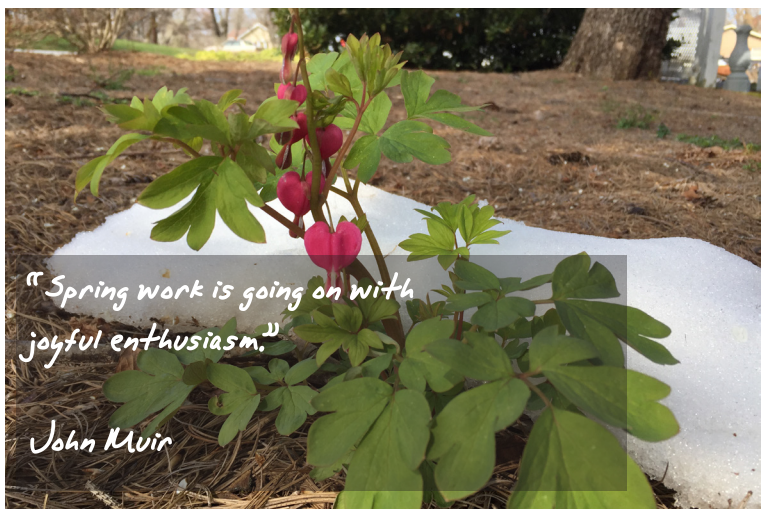
Officers of the Association

President	Michael Spillman	336.751.1991
Vice President	Reggie Long	910.947.2258
Secretary	Kristie Keener	828.456.2402
Liasion Officer	Bergie Speaks	336.667.2021



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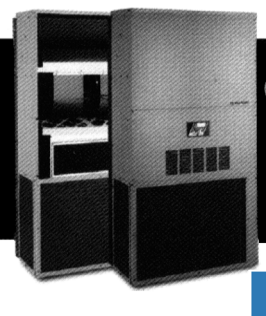

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DAVIE COUNTY HOSTS DISTRICT SEVEN MEETING

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Attendees

Attendees

Attendees

held in the very large dining area to the right of the entrance. It has a large working rock fireplace at one end that is flanked by two large wagon wheel windows. With the open beam/truss ceiling it has the feel of a lodge.

Davie County School Maintenance hosted the event. There were 88 in attendance. Michael Spillman, NCPSMA State President and Director of Maintenance for Davie County Schools, welcomed everyone to the event and introduced the entertainment for the evening, Brad Ratledge and Amanda Barnette. They performed a variety of music and gave an excellent performance.

While waiting for our meal, District President Raymond Bowles called the business meeting to order. Ron Mack, District Seven Secretary called the roll. President Bowles noted the District Seven Financial Report and Minutes of the last meeting were included in the program. The reports were approved as read. Lindsay Baltes, Administrative Assistant for Davie County Schools Maintenance Department, spoke about the upcoming District Seven Golf Tournament. District Seven will hold their Annual District Seven Golf Tournament June 21, 2019 at Pudding Ridge Golf Course in Mocksville, N.C. For more information please contact Raymond Bowles at bowlesr@davie.k12.nc.us or 336-751-1991. Everyone is invited to come out and play or support this event. President Bowles asked Tim Pruitt, District Seven Scholarship Committee Chairman, to present this year's scholarship winners. Each winner received a check for $500.00. The winners are as follows: Evan Shepherd, Lauralynn Ellis, Armissa Bowles, Andrew Martin and Sarah Spicer. All recipient's had previous

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MEMBERSHIP APPLICATION

Please mail this form with your dues payment ($20) to:
NCPSMA, 630 Adams Ridge Road, State Road, NC 28676-9536

Name _____

Address _____

City _____ State _____ Zip Code _____

Telephone (___) ___ - _____ Email _____

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If you would like a reminder sent to your e-mail each month when the latest edition of the Maintenance Beacon is available online, please check below.

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HAYWOOD COUNTY HOSTS DISTRICT EIGHT MEETING

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Joe Buchanan

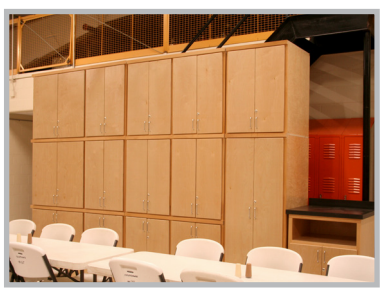
Kristie Keener

Two-Year Advisory Council Member. All officers are from Haywood County Schools.

Kristie Keener introduced the vendors present. She and the district officers awarded the door prizes. Many thanks to our vendors for their generous and continued support! Also, many thanks to Joe, Kristie and Sharon for preparing the delicious meal and to Haywood County School Maintenance for hosting the event.

Roxie

New Officers L-R Jason Kelly, Sharon Chambers, Ron Rogers and Joe Buchanan



New Cabinets built by the carpentry department

Attendees

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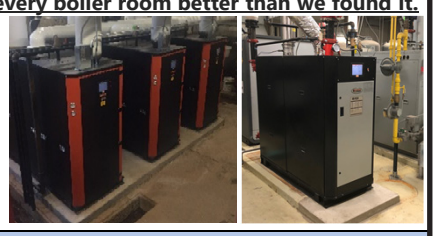

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STEAM BASICS

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know why! We don't have to depend on steam pressure to make sure the trap drains, because the "C" dimension provides the pressure we need.

If you make the drop leg 10 inches instead of 14, the motive force across the trap will be 10/28 or 0.36 PSIG. If we size the trap for 1/3 PSIG pressure drop, this will still be okay. Conversely, if you pipe 28 inches instead of 14, you have almost a pound of pressure at the trap. This won't cause a problem at all because more is better. In fact, if you know you have 28 inches available, the trap size likely will be smaller.

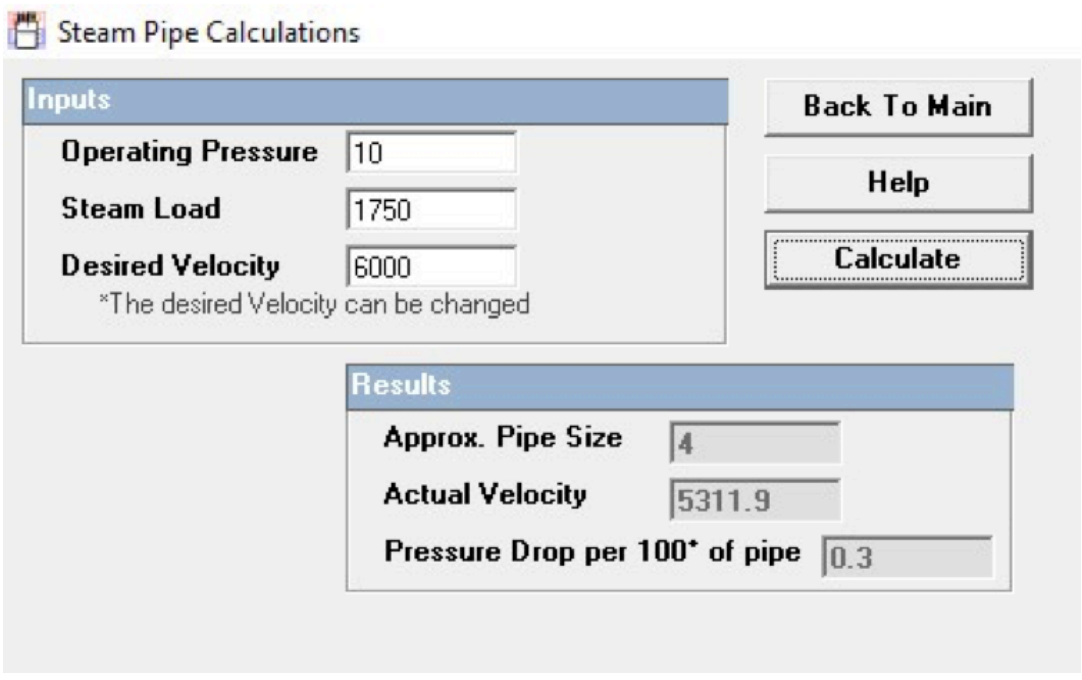
For example, assume the system is low pressure, under 15 PSIG, and the trap is sized for 900 PPH of condensate. The chart below requires a 1-1/2 inch model FT015H-6 trap when sized at 14 inches of drop leg to the trap. If you have 28 inches available, the trap can be sized at 1 PSIG. This allows us to select a 1-1/4 inch model FT015H-5, thus allowing you to save money and avoid over-sizing the trap.

Capacities (Gross Ratings)

Model	Size in.	Orifice Size in. (mm)	Pressure Differential in Pounds Per Square Inch (bar)													
			1/4 (0.017)	1/2 (0.035)	1 (0.07)	2 (0.14)	5 (0.35)	10 (0.69)	15 (1.0)	20 (1.4)	25 (1.69)	30 (2.1)	40 (2.8)	50 (3.5)	60 (4.2)	
			Capacities in Pounds of Condensate Per Hour (kg/hr.)													
FT015H-3	3/4	.253 (6.4)	390 (177)	500 (227)	680 (308)	910 (413)	1100 (500)	1450 (658)	1600 (725)							
FT015H-4	1	.253 (6.4)	390 (177)	500 (227)	680 (308)	910 (413)	1100 (500)	1450 (658)	1600 (725)							
FT015H-5	1 1/4	.312 (8)	600 (272)	770 (350)	980 (444)	1240 (562)	1640 (744)	2000 (907)	2340 (1062)							
FT015H-6	1 1/2	.500 (13)	1280 (581)	1700 (771)	2050 (930)	2550 (1157)	3500 (1588)	4400 (1996)	5300 (2404)							
FT015H-8	2	.687 (17)	2500 (1134)	3150 (1429)	4000 (1814)	5000 (2268)	6800 (3084)	8300 (3765)	9800 (4405)							
	3/4	.235	380	470	630	870	1050	1380	1530	1700	1820	1900				

While we're selecting this Xylem Hoffman F&T trap, you may notice a special advantage for contractors. The Hoffman "H" series of traps has two inlets and two outlets. Imagine being able to choose the direction into the trap so the pipe continues in one direction. Imagine also that the second outlet could have an elbow and a shut-off valve as a test port. You save materials and labor and space with the Hoffman "H" style trap.

Part Six
Steam Pipe Sizing



Steam pipe sizing is easy with today's sizing programs.

When using a sizing program to select steam pipe sizes, the engineer or contractor is asked to fill in the capacity, the steam pressure, and the velocity required. The answer is a pipe size and a pressure drop per 100 feet of pipe. Let's look at this required data. The capacity is simply the maximum flow rate in pounds per hour or PPH.

Steam Pressure and Pipe Sizing
The steam pressure is the expected MINIMUM steam pressure. The engineer is required to make sure that all equipment, including the pipe, can handle

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STEAM BASICS

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the MAXIMUM steam pressure the system will see. When selecting the pipe, make sure to look at the minimum pressure. Steam volume is greater at lower pressure.

For example, let's assume the steam heating system is low pressure, which means it is 15 PSIG or less. The boiler may have a 15 PSIG pressure relief valve and it is possible that the pressure in the system could rise to almost 15 PSIG before the valve opens. Thus, the components must be able to withstand 15 PSIG.

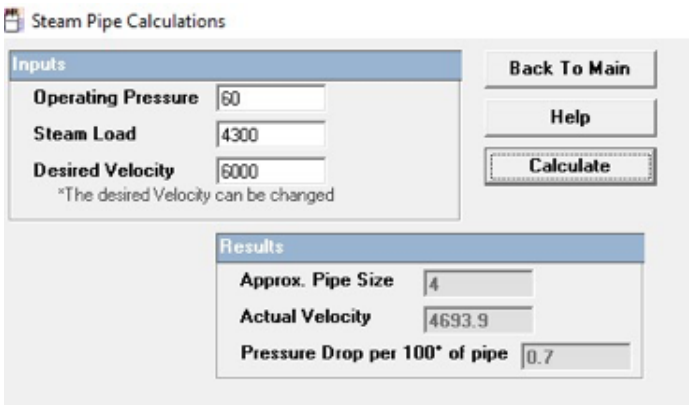
Most 15 PSIG systems do not operate anywhere close to 15 PSIG. Let's assume for a moment that the system operates at 5 PSIG. 5 PSIG steam has a volume of 20 Cu. Ft. /Lb. and 15 PSIG is less at 14 Cu. Ft. /Lb. If we size the pipe on 15 PSIG, it will have a higher velocity and pressure drop when the actual steam has 33% more volume than expected. Size the pipe on the minimum pressure expected when operating at the design flow.

What Steam Velocity Should I Use For Pipe Sizing?

Many programs have an input cell for the velocity required but do not offer any guidance.

In building heating systems we recommend selecting the pipe on 4000 to 6000 feet per minute (FPM). This is a good range to keep pressure drop down as well as minimizing velocity noise in the pipe. In process applications, we use 8000 to 12000 FPM. This is normally in a plant where the velocity noise may not be such as issue. Pressure drop should always be checked.
Once the pipe size solution is offered by the program, the engineer will check the pressure drop per 100 feet to make sure it provides the correct pressure to the equipment.

Let's look at an example.
PROBLEM: What steam pipe size do I need for 4300 PPH of steam at 60 PSIG minimum pressure in a medical office building.
SOLUTION: Since this is a medical office building we will shoot for a velocity of 4000 to 6000 FPM. Using the Hoffman selection program, we get the following solution.



The engineer selects a 4" steam pipe size with a velocity of 4700 FPM and a pressure drop of 0.7 PSIG per 100 feet.

By Chad Edmondson (JMP) and Norman Hall (RLD)
Reprinted by permission, James M. Pleasants Company
Stay Tuned for Part Seven and Eight

DAVIE COUNTY HOSTS DISTRICT SEVEN MEETING

continued from page 4

Bergie Speaks and Raymond Bowles

Armissa Bowles

Lauralynn Ellis

engagements and were unable to attend the meeting. Congratulations to the winners!

Ron Mack asked the blessing for the food and meeting. Everyone had their choice of fried flounder or grilled chicken and choice of two sides. There were 15 sides to choose from along with rolls, hushpuppies or Texas toast. The food was delicious! We had cake for the desert all while enjoying the live music. President Bowles asked the vendors in attendance to introduce themselves and award the door prizes. There were many great door prizes given away. Many thanks to our generous vendors. President Bowles and Bergie Speaks, NCPSMA Liaison Officer, presided over the door prize drawing.

By Ron Mack,
District Seven News Coordinator

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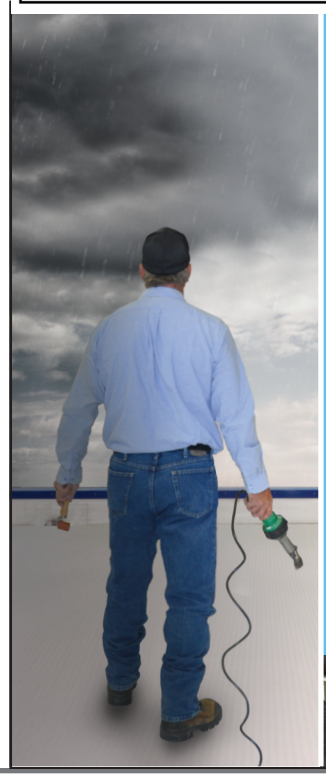

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JOIN US
FOR THE 47TH ANNUAL EASTERN CONVENTION/WORKSHOP

continued from page 1

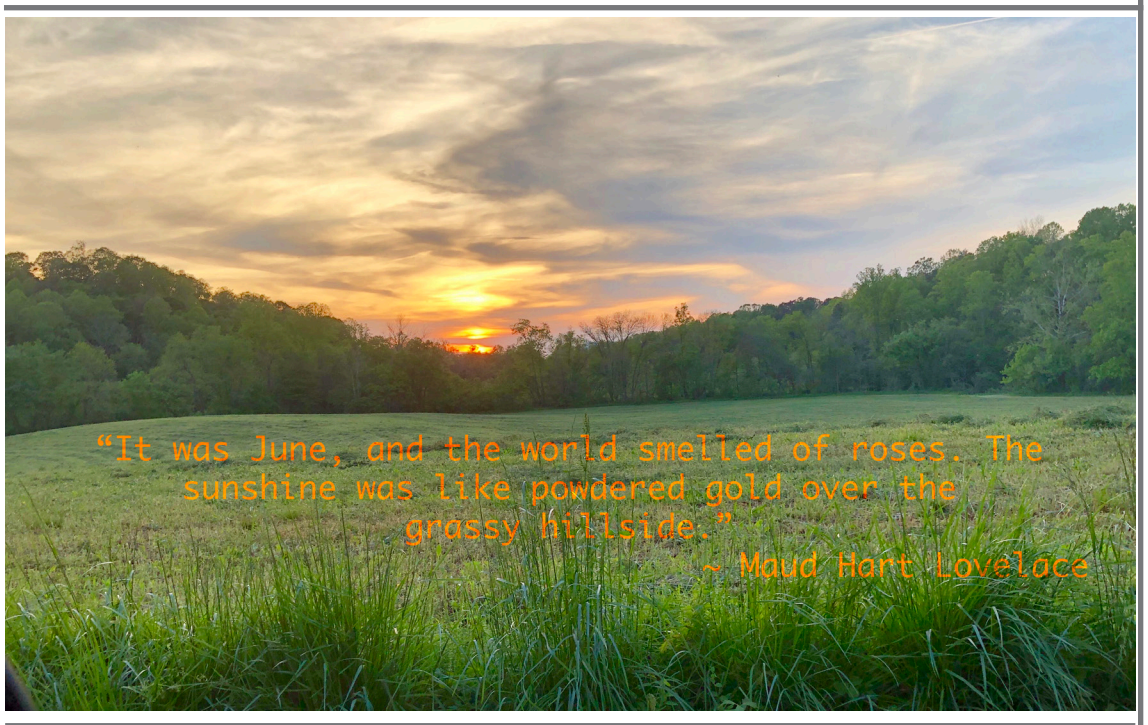
Without their support we could not provide the successful conventions we are accustomed to. Door prizes will be awarded during exhibitor visitation on September 26 from 1-5 pm and September 27 from 8-10 am. You must be present to win, so plan on visiting with the exhibitors.

There will be approximately 24 workshops offered this year including workshops for continuing education credits. There will renewal credit hour classes for Pesticide Ornamental (4), Pesticide Structural (4), Locksmith (8) and Electrical (8). Professionals with years of experience will conduct the workshops. Please see the tentative agenda in this issue of **The Maintenance Beacon** for more details. Also included are the guidelines for the Superintendent, Maintenance Director and Maintenance Employee of The Year nominations. Please take time to make a nomination. It will take a little effort, but the procedure is not complicated. To see your nominee win a top award is well worth the time spent to nominate them!

Please note the registration form included in this issue is for ***regular*** (employed by or retired from a NC Public School System) members only. Exhibitor registration forms were e-mailed. If you know a company who would like to participate and did not receive registration forms, please contact Roxie Mack.

When completing the registration form, please print neatly as the information for nametags and certificates will be taken from this form. There are two separate registration forms this year. One for individuals and one for multiple registrations per LEA.

The deadline for preregistration is August 10, 2019. Please send in your registration as quickly as possible. Registrations not received before August 10 may be subject to late fee registration and will not be included in the $50 pre-registration drawing to be held at the opening session. Please make plans now to join us for this exciting and informative event! If you have any questions, please contact Roxie Mack at 336.366.4939 or e-mail roxiermack@gmail.com.



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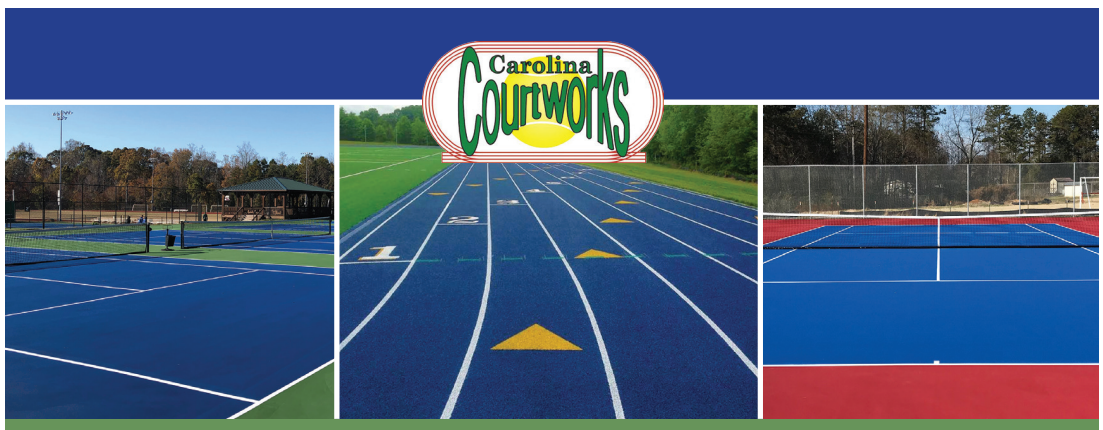
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47TH ANNUAL NCPSMA EASTERN C/W TENTATIVE AGENDA

DoubleTree by Hilton / Atlantic Beach, NC
September 25-27, 2019

Wednesday 9/25

8:00-5:00
Foyer Registration

8:00-10:00
Sandcastles "**Locksmith License Renewal"** (2 CEU's)
Presented by ASSA ABLOY

Cape Lookout "**Dualwater**" (tentative) (2 CEU's -must attend all 3 classes) *Presenter Presented by Mark Wessel and Bob Fritts, NC AWWA-WEA*

Hatteras **"Plumbing/HVAC"**
Presented by James M. Pleasants

10:00-11:00
Pamlico "**Lead-Based Paint and AHERA Regulations-NC and EPA"**
Presented by James Lueck
Industrial Hygiene Consultant, N.C. Department of Health Human Services
Cape Fear **"Anatomy of a Roof Warranty"**
Presented by W. Nelson Hall,
COO – Wolf Trail Engineering, PLLC
Hatteras "**EPA Updates on New and Old Refrigerants"**
Presented by ACR Supply

10:00-noon
Bogue Sound "**Ornamental & Turf Pest Control"** (2 CEU's)
Presenter TBA

10:15-12:15
Sandcastles "**Locksmith License Renewal"** (2 CEU's)
Presented by ASSA ABLOY
Cape Lookout "**Dualwater"** (tentative) (2 CEU's -must attend all 3 classes) *Presented by Mark Wessel and Bob Fritts, NC AWWA-WEA*
Atlantic **"VFD Project, Rebates, Savings"** (2 Electrical CEU's)
Presented by Will Hill, State Electric, Toby Wingler, CW Electric & Tom Holcombe, Eaton Corporation

12:15-1:45
Restaurant Advisory Council Meeting

Noon Lunch on Your Own

2:00-3:00
Atlantic Opening Session and Business Session

3:30-5:30
Bogue Sound "**Ornamental & Turf Pest Control"** (2 CEU's)
Presenter TBA

Atlantic **"Bleacher and Athletic Equipment Safety and Maintenance"**
Presented by Matt Knight, Facili-Serv
Pamlico "**Record Keeping**"
Presenter TBA
Cape Fear "**Small Engine Repair"**
Presenter TBA
Hatteras "**Sure Comfort Technical Advice"**
Presented by ACR Company
Cape Lookout "**Dualwater"** (tentative) (2 CEU's -must attend all 3 classes) *Presented by Mark Wessel and Bob Fritts, NC AWWA-WEA*
Sandcastles "**Locksmith License Renewal"** (2 CEU's)
Presented by ASSA ABLOY

Thursday 9/26

7:00 **32nd Annual Handi-Clean Jay Palmer Memorial Scholarship Golf Tournament, Sponsored by Handi-Clean Products, Inc.**

Thursday 9/26 continued

7:00-9:00
Sandcastles "**Electrical"** (2 CEU's)
Presented by Danny R. McManus Jr., Union County Schools Facilities Assistant Director
Bogue Sound "**Structural Pest"** (2 CEU's)
Presenter TBA

9:00-9:30 **Exhibitor Selection**
9:30-11:00 **Exhibitor Setup**

9:30-11:30
Sandcastles "**Electrical"** (2 CEU's)
Presented by Danny R. McManus Jr., Union County Schools Facilities Assistant Director

Bogue Sound "**Structural Pest"** (2 CEU's)
Presenter TBA

11:00-12:00 Superintendents & Directors visit with Exhibitors

Noon Lunch on Your Own

12:00-1:00 State Officers, Superintendents & Directors Lunch

1:00-5:00 Visit with Exhibitors

Friday 9/27

8:00-4:00 Registration

8:00:10:00 Breakfast with Exhibitors

10:00-12:00
Sandcastles "**Electrical"** (2 CEU's)
Presented by Danny R. McManus Jr., Union County Schools Facilities Assistant Director

Cape Fear **"Lockpicking-Hands On/ Locksmith License Renewal" Part One** (2 CEU's-must attend both classes)
Presented by Carl Jobe, Guilford County Schools, Retired

12:00-1:30 **Cornhole Tournament / $5 Entry fee (includes lunch)**

1:30-3:30
Sandcastles "**Electrical"** (2 CEU's)
Presented by Danny R. McManus Jr., Union County Schools Facilities Assistant Director

Cape Fear **"Lockpicking-Hands On/ Locksmith License Renewal" Part Two** (2 CEU's-must attend both classes)
Presented by Carl Jobe, Guilford County Schools, Retired

6:00-Until **"Awards Banquet"**
Glenn Ward, Guest Speaker

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47TH ANNUAL NCPSMA EASTERN CONVENTION/ WORKSHOP INDIVIDUAL REGISTRATION FORM

47th Annual NCPSMA Eastern Convention/Workshop Individual Registration Form for *Regular or Retired Regular Members

September 25-27, 2019 * DoubleTree by Hilton * Atlantic Beach, NC

Current or Retired Employees must be a current member to attend. Registration check-in at the convention will go much quicker for you if your membership is current before you arrive.

IMPORTANT INFORMATION – *EACH PERSON* attending the Awards Banquet (members as well as spouses, children, friends, etc., MUST PURCHASE a Banquet Ticket IN ADVANCE. NCPSMA welcomes members to bring their family or friends to our Awards Banquet, but you much purchase each person a Banquet Ticket ($10 each) in advance. NCPSMA must provide DoubleTree a count for the Awards Banquet two weeks prior to the event and we only order meals for those who purchased a Banquet Ticket in advance because the Banquet meal price for each individual is around $50. Please contact Roxie Mack if you have any questions at (336) 366-4939 or roxiermack@gmail.com.

PLEASE PRINT

Name:_____ Name of School System (LEA): _____

Address: _____

City: _____State: ___NC___ Zip _____

Office Phone_____ FAX: _____

E-mail Address: _____

***REMINDER: If you would like to bring your spouse, children, friends, etc. to the Awards Banquet on Friday night, you MUST purchase a Banquet ticket in advance.**

Conference Fees: Please circle all fees and items that apply and fill in blocks where appropriate.

PREREGISTRATION Before August 10, 2019		REGISTRATION After August 10, 2019		MEMBERSHIP		BANQUET TICKET MUST BE PURCHASED IN ADVANCE		TOTAL
Cash/Check	Credit/Debit	Cash/Check	Credit/ Debit	Cash/Check	Credit/Debit	Cash/Check	Credit/Debit	
___x $70	___ x $72	___ x $80	___ x $83	___ x $20	___ x $21	___ x $10	___ x $11	

There will be no refunds after August 30, 2019.

Payment Information
Checks: Payable to NCPSMA and mail to NCPSMA, 630 Adams Ridge Road, State Road, NC 28676
Credit/Debit Cards: Please call Roxie Mack at (336) 366-939 with your information and the transaction will be completed online during the call. NCPSMA does not retain credit/debit card information. **Please email or fax a completed registration form before calling Roxie Mack.**

*Regular or Regular/Retired members are those currently employed and/or retired members in/of a NC Public School System. All others must register through Roxie Mack at (336) 366-4939 (phone); (336) 366-4938 (FAX) or roxiermack@gmail.com.

For more information concerning this even please visit our website at www.ncpsma.org.

IMPORTANT INFORMATION CONCERNING 47TH ANNUAL NCPSMA EASTERN CONVENTION/WORKSHOP

Room Reservations
Do not forget to make you own reservation for the easter convention/workshop. We have a contract with Double Tree by Hilton, Atlantic Beach, NC. The rate is $129-209 per night. You can make your reservations online:

https://doubletree.hilton.com/en/dt/groups/personalized/O/OAJDTDT-PS2-20190923/index.jhtml

or call at 252-240-1155

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Fax: 252-222-4065

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Bridget.Quiterio@hilton.com

GUIDELINES FOR TOP AWARDS

Nominations are being sought for the 2019 NCPSMA Maintenance Director of the Year, Maintenance Employee of the Year and Superintendent of the Year. The Maintenance Director of the Year and Maintenance Employee of the Year awards were established 32 years ago by Milt Saffelle and are sponsored annually by Saffelle, Inc. This is the 23rd year the Superintendent of the Year award has been sponsored by Saffelle, Inc.

Should you wish to nominate a candidate, please supply the information outlined below and return to the chairman of the NCPSMA Awards Committee by August 10, 2019. To qualify as a candidate for Superintendent of the Year, candidates may be superintendents, associate/ assistant superintendents, who have the responsibilities for maintenance. They must be current members of NCPSMA.

Maintenance Directors are defined as those who serve as direct heads of maintenance departments. Maintenance Employees are defined as other members of maintenance staffs.

1. Nominees for Supervisor of the Year or Employee of the Year awards must be currently employed as a maintenance person in an educational system in the state of North Carolina.
2. The nominee must have been an active member of the NCPSMA for the last five ***consecutive*** years.
3. The nominee cannot be the current state president.
4. Nominations must be made by an active member of NCPSMA. There should be a letter of nomination signed by the active member. Only one nominee, per category, may

continued on page 10

47TH ANNUAL NCPSMA EASTERN CONVENTION/ WORKSHOP MULTIPLE REGISTRATION FORM

47th Annual NCPSMA Eastern Convention/Workshop Multiple Registration Form for *Regular or Retired Regular Members

September 25-27, 2019 • DoubleTree by Hilton • Atlantic Beach, NC

Current or Retired Employees must be a current member to attend. Registration check-in at the convention will go much quicker for you if your membership is current before you arrive.

IMPORTANT INFORMATION – *EACH PERSON* attending the Awards Banquet (members as well as spouses, children, friends, etc., MUST PURCHASE a Banquet Ticket IN ADVANCE. NCPSMA welcomes members to bring their family or friends to our Awards Banquet, but you much purchase each person a Banquet Ticket ($10 each) in advance. NCPSMA must provide DoubleTree a count for the Awards Banquet two weeks prior to the event and we only order meals for those who purchased a Banquet Ticket in advance because the Banquet meal price for each individual is around $50. When registering multiple people, most LEA's include an "individual" payment form (check, money order or cash) for banquet tickets when they mail in the registration forms and LEA payment. Please contact Roxie Mack if you have any questions at (336) 366-4939 or roxiermack@gmail.com.

PLEASE PRINT

Contact Person: _____ Name of School System (LEA): _____

Address: _____

City: _____State: ___NC___ Zip _____

Office Phone: _____ FAX: _____

E-mail Address: _____

***REMINDER: If those you are registering would like to bring their spouse, children, friends, etc. to the Awards Banquet on Friday night, they MUST purchase a Banquet ticket in advance.**

Conference Fees: Please circle all fees and items that apply and fill in blocks where appropriate.

NAME	PREREGISTRATION Before August 10, 2019		REGISTRATION After August 10, 2019		MEMBERSHIP		BANQUET TICKET MUST BE	TOTAL
	Cash/Check ___x $70	Credit/Debit ___ x $72	Cash/Check ___ x $80	Credit/Debit ___ x $83	Cash/Check ___ x $20	Credit/Debit ___ x $21	Cash/Check ___ x $10	
	Cash/Check ___x $70	Credit/Debit ___ x $72	Cash/Check ___ x $80	Credit/Debit ___ x $83	Cash/Check ___ x $20	Credit/Debit ___ x $21	Cash/Check ___ x $10	
	Cash/Check ___x $70	Credit/Debit ___ x $72	Cash/Check ___ x $80	Credit/Debit ___ x $83	Cash/Check ___ x $20	Credit/Debit ___ x $21	Cash/Check ___ x $10	
	Cash/Check ___x $70	Credit/Debit ___ x $72	Cash/Check ___ x $80	Credit/Debit ___ x $83	Cash/Check ___ x $20	Credit/Debit ___ x $21	Cash/Check ___ x $10	
	Cash/Check ___x $70	Credit/Debit ___ x $72	Cash/Check ___ x $80	Credit/Debit ___ x $83	Cash/Check ___ x $20	Credit/Debit ___ x $21	Cash/Check ___ x $10	
	Cash/Check ___x $70	Credit/Debit ___ x $72	Cash/Check ___ x $80	Credit/Debit ___ x $83	Cash/Check ___ x $20	Credit/Debit ___ x $21	Cash/Check ___ x $10	
	Cash/Check ___x $70	Credit/Debit ___ x $72	Cash/Check ___ x $80	Credit/Debit ___ x $83	Cash/Check ___ x $20	Credit/Debit ___ x $21	Cash/Check ___ x $10	
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	Cash/Check ___x $70	Credit/Debit ___ x $72	Cash/Check ___ x $80	Credit/Debit ___ x $83	Cash/Check ___ x $20	Credit/Debit ___ x $21	Cash/Check ___ x $10	
	Cash/Check ___x $70	Credit/Debit ___ x $72	Cash/Check ___ x $80	Credit/Debit ___ x $83	Cash/Check ___ x $20	Credit/Debit ___ x $21	Cash/Check ___ x $10	
GRAND TOTAL								

There will be no refunds after August 30, 2019.

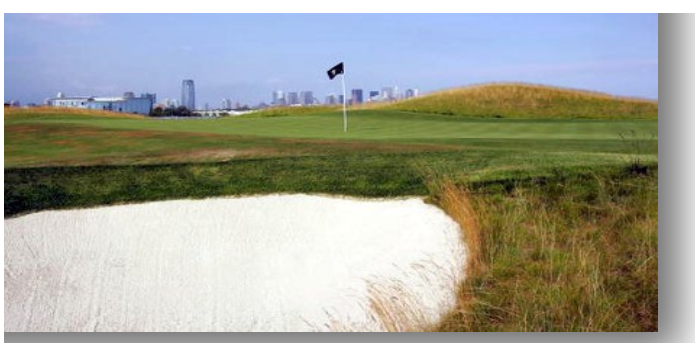
Payment Information
Checks: Payable to NCPSMA and mail to NCPSMA, 630 Adams Ridge Road, State Road, NC 28676
Credit/Debit Cards: Please call Roxie Mack at (336) 366-939 with your information and the transaction will be completed online during the call. NCPSMA does not retain credit/debit card information. **Please email or fax a completed registration form before calling with credit card info.**

*Regular or Regular/Retired members are those currently employed and/or retired members in/of a NC Public School System. All others must register through Roxie Mack at (336) 366-4939 (phone); (336) 366-4938 (FAX) or roxiermack@gmail.com.

For more information concerning this even please visit our website at www.ncpsma.org.

NCPSMA DISTRICT 3 ANNUAL GOLF TOURNAMENT

SAVE THE DATE



WEDGEWOOD PUBLIC GOLF COURSE
WILSON, NC
FRIDAY OCTOBER 25,2019
RAIN DATE - FRIDAY NOVEMBER 1, 2019
1:00 PM SHOTGUN START

GUIDELINES FOR TOP AWARDS

continued from page 9

be submitted from each LEA. If more than one nominee, per category, from an individual LEA is submitted, same category nominations from said LEA will be ***disqualified***. This decision was passed by the NCPSMA Advisory Council, May 2016.

5. Nominees must be from the NCPSMA ***District*** making the nomination.
6. The following data must be supplied for each candidate:
   - A photograph of the nominee must be included and placed on a separate sheet of paper.
   - A biographical sketch, preferably in narrative form and no more than two pages in length, including the nominee's achievements that have contributed to success in NCPSMA and other professional involvement.
   - No other information on nominee will be accepted.

The Awards Committee is comprised of the NCPSMA One Year Advisory Council Members and Milt Saffelle, chairman. Saffelle serves in an exofficio capacity and does not have voting privileges. In case of a tie the current state vice president will have voting privileges. All nominations must be submitted no later than August 10, 2019 to: Milton Saffelle, Chairman, NCPSMA Awards Committee, PO Box 1499, Hillsborough, NC 27278.

NCPSMA DISTRICT SEVEN GOLF TOURNAMENT

REGISTRATION OPEN TO THE PUBLIC (All are welcome)

District VII of the North Carolina Public School Maintenance Association (NCPSMA) will have thier 18th Annual Scholarship Golf Tournament on Friday, June 21st, 2019 at Pudding Ridge Golf Course in Mocksville, North Carolina.

The format of the tournament will Captian's Choice with four players per team and players may make their own pairings. There will be a $60.00 entry fee per player to cover green fees, cart, prizes, catered lunch, and two mulligans (one on front and one on back). Lunch and registration starts at 12:30 pm and tee off begins at 2 pm.

Maintenance personnel, vendors and general public are invited. Cash prizes will be given for 1st and 2nd place and for closest to the pin and longest drive. Door prizes and raffles will be given, along with placement prizes at the end of the day. Snacks and soft drinks will be available throughout the tournament. Everyone will have a great time of fellowship and fun.

We are asking for a little help from our vendor friends in the form of hole sponsorship and/or any gifts or donations to be used for prizes. A hole sponsorship costs $100 and we will furnish a sign on your hole with your company name and phone number if requested.

If you can help with the donations, please complete the attached form as quickly as possible and return back to me. If you are interested in playing, please do not forget to sign up.

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

Respectfully Yours,

Raymond Bowles
President
NCPSMA District VII

Registration and Sponsorship Forms on page11.

2019 NCPSMA DISTRICT 7
GOLF TOURNAMENT TEAM SIGN-UP FORM

Player 1 Name: _____

Player 2 Name:_____

Player 3 Name: _____

Player 4 Name:_____

Team Name:_____

Team Captain:_____

Phone:_____

Email: _____

Payment:

Cash_____Check_____

Amount_____ Check No._____

If you do not have a team, but want to play we will assign you to a team the day of the event.

Teams must pre-register by Friday, June 7th, in order to reserve your catered lunch on the day of the event. Accepted forms of payment are cash or check made payable to NCPSMA.

Please mail or drop off your payments to:

Lindsay Baltes
121 South Davie Drive
Mocksville, NC 27028

Fax (336) 751-5619

Phone (336) 751-1991

2019 NCPSMA DISTRICT 7
GOLF TOURNAMENT SPONSORSHIP FORM

Vendor Name:_____

Contact Name:_____

Phone Number: _____

Yes, we would like to help sponsor the District 7 GT by:

Hole Sponsorship ($100): _____

Monetary Donation (Amount):_____

Door Prizes:_____

Raffle Item:_____

THANK YOU!!

Please mail, fax, or email sponsorship form to:

Lindsay Baltes
121 South Davie Drive
Mocksville, NC 27028

Fax (336) 751-5619

Phone (336) 751-1991

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36TH ANNUAL HANDI CLEAN JAY PALMER MEMORIAL SCHOLARSHIP GT REGISTRATION FORM

Sponsored by: Handi-Clean, Inc.

Date: September 26, 2019

Place: Star Hill Golf and Country Club
Highway 58, Cape Carteret, NC
Entrance Fees: $50
(Due on Tournament Date …
this includes Cart and Green Fees)
Scores will be handicapped by Callaway System

• SPECIAL NOTICE •Starting times will be arranged beginning at 7:28 am

TROPHIES
*Low Gross - *1st and 2nd*
*Low Net - *1st and 2nd*
*Longest Drive *Closet to Pin
*Other Prizes and Awards

Complete and Return Your Application

Name_____

Address _____

Average Score _____

School System Name _____

District_____or Company Name_____

Return to :
Tournament Director,
Handi-Clean Products
301 South Swing Road
Greensboro, NC 27409
Phone 336.292.3083
Fax 336 292 3086