



The Messenger

Minnesota
Educational Facility Management
Professionals

THE "TOOL BOX" FOR EDUCATIONAL FACILITY
MANAGEMENT PROFESSIONALS

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MASMS 2013 CONFERENCE

WEDNESDAY OCTOBER 2, 2013

Dollars for Scholars Golf Tournament,
Wapicada Golf Course, Sauk Rapids, MN
7:30 PM Vendor Appreciation Reception, Holiday Inn, St. Cloud MN

THURSDAY OCTOBER 3, 2013

Educational Sessions and Trade Show, Holiday Inn, St. Cloud MN

FRIDAY OCTOBER 4, 2013

Educational Sessions & Small Group Discussions, Holiday Inn, St. Cloud MN



CONFERENCE HIGHLIGHTS:

41 Educational Sessions to Select From on Thursday & Friday

Keynote Speaker—8:00 AM Thursday ~ David Horsager, author of "The Trust Edge"

Trade Show on Thursday Visit with over 150 MASMS Business Members

BREAKFAST BUFFET & GROUP IDEA EXCHANGE on Friday Morning

CAPSTONE SESSION on Friday ~ The impact of the building & grounds department.

Round Table Discussion on Friday

Topics to include: Electrical Safety/State Regulations, Energy Conservation Programs,
Safety Committee Supporting the Educational Mission, Boiler Operation, MASMS Certification,
Turf/Grass/Trees, Technology

Banquet on Thursday Evening Great time to network, visit with old friends.

Home Free— Thursday Evening Entertainment

A combination of comedy and music featuring five male vocalists.

C. Willi Myles — Wednesday Evening Entertainment

True comedy at its best!



**BUILDING BLOCKS
FOR EDUCATION**
MASMS CONFERENCE 2013

**2013 MASMS CONFERENCE
YOUR CHANCE TO LEARN,
NETWORK & ENJOY!**

Find registration forms on the
MASMS web site: www.masms.org
or contact the MASMS office
at 1-888-429-3884 or ruth@masms.org

AFE Certified Plant Supervisor Training Update!

MASMS is pleased to announce that two MASMS Members, Mat Miller from the Austin School District and Maureen Mullen from the Rockford School District recently completed and passed the CPMM course. This was a four day extensive class.

Mat and Maureen will now take the class to become certified to train and administrator the AFE CPS classes and exams!

Because of their dedication and hard work to achieve the AFE CPS trainer status, MASMS will be able to offer AFE CPS training to MASMS Members.



Mat Miller
Austin Schools

Maureen Mullen
Rockford Schools

Congratulations to Mat & Maureen!

New MASMS Members!

Business Members

Christy Harper, TruGreen
Dean Vlasak, TruGreen
Susan Adam, Silent Knight byHoneywell

Educational Members

Kain Smith, Shakopee Schools
Calvin Mayers, Kelliher Schools
Daniel Ehlert, United South Central Schools

2013 Custodial, Maintenance & Grounds Days—A GREAT SUCCESS

All three Chapters hosted this year. Each chapter had record turnout!

Thank you to all who attended. The vendor showcases were a great success, thank you to our business members who attended and shared their information.

A big thank you to the business members who conducted educational sessions at each event!

Custodial Day Highlights:



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Importance of Fire Sprinkler Systems in Schools

Submitted by the State Fire Marshal

Last year in Minnesota (2012), a fire occurred in a school building once every seven days, on average. Despite their frequency, such fires rarely result in significant property damage or injury to occupants. This is attributable, in part, to the ability of a fire-sprinkler system to control or extinguish a fire in the early stages of development.

You may be aware of recent proposals to modify existing fire-sprinkler systems in schools for the purpose of deterring the actions of an intruder or active shooter. Such modifications would require significant changes in both state and national code standards before they could be applied.

Fire sprinkler systems required by Minnesota state fire-and-building codes must be installed and maintained in strict accordance with the National Fire Protection Association 13 – *Standard for the Installation of Sprinkler Systems*. This standard, formally adopted by the State of Minnesota, allows fire sprinkler systems to be used for only one purpose other than fire protection, that being a circulating, closed-loop system for heating and cooling. Enhancement of the sprinkler flow in the presence of this auxiliary equipment is permitted, but reduction is not. All system components must be listed for their intended use in order to ensure the system's integrity and reliability. Thus, the modification of a fire sprinkler system for uses other than fire protection, such as deterring an intruder or active shooter, is not permitted.

The State Fire Marshal Division encourages all efforts to improve fire safety and security in all of our schools. The conversion of fire sprinkler systems for security purposes, however, is problematic in that it compromises the important life-safety role of fire sprinkler systems.

If you have questions regarding this issue, please contact the State Fire Marshal Division for more information.



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Mosquito Management Takes a Community

Submitted by IPM Institute of North America, Inc.



Mosquitoes are a growing concern as a public health risk in the US. West Nile Virus has overtaken bee stings as the leading insect-related cause of death in the US. The virus, transmitted through saliva when the mosquito feeds, results in fever in one in five cases. More serious neurological complications develop in less than 1% of infections, resulting in 286 deaths in the US in 2012. Outbreaks of West Nile Virus are often precipitated by a mild winter, wet followed by dry weather, and high summer temperatures.

There are 172 species of mosquitoes in the US. They live from four to 30 days, depending on the species, with much of that time spent in or near water. Mosquitoes are broadly categorized as floodwater or standing-water species. Floodwater mosquitoes are excellent fliers, traveling five to ten miles to find a host, which makes them difficult to manage. Their eggs can also survive in dry soil for up to two years while waiting for rain. Fortunately, most are not disease vectors. According to Mike Merchant, extension urban entomology specialist with Texas A&M AgriLife Extension Service, management strategies include draining marshes, floodwater control and avoidance. Standing-water species include more disease vectors. Many are not great fliers and do not stray as far from their breeding site to find a host.

Mosquitoes breed anywhere there is standing water, which can include playground equipment or empty soda cans left behind by students. “It doesn’t take anything more than some water and a little bit of organic matter and bacterial growth to encourage mosquito breeding,” comments Merchant. Anything that holds water for ten to 15 days will work. Breeding sites can be in hidden spots where people do not frequently go. “It’s not always very obvious that you have mosquito breeding going on,” warns Merchant.

In addition to eliminating standing water on school campuses, mosquito mobility dictates that school districts work with their local governments to address sources beyond the campus. Community mosquito management programs should use the SSLAP approach: surveillance, source reduction, larvicides to treat breeding sites, adult mosquito control and public education. “You can’t eliminate any of these things and still get effective control,” says Merchant.

Surveillance includes checking breeding sites. “This is a challenging job because the breeding sites can be hidden or in locations that can’t be easily accessed,” notes Merchant. Several options for monitoring are gravid traps and light traps. Gravid traps are essentially plastic tubs filled with fermented water and grass or hay infusions, called “stink water,” and a trap above with a fan that draws the mosquitoes in. Light traps are often paired with carbon dioxide or dry ice to make them more attractive.

Merchant recommends setting up permanent traps and monitoring them consistently on a weekly basis throughout the season. Traps should be set up every one to four square miles, which can be labor intensive and expensive, but is necessary to monitor effectively. Trapped mosquitoes should be sent to a lab that is capable of analyzing for disease pathogens.

Cont’d on page 5

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Mosquito Management Takes a Community (Cont'd from page 4)

There are some effective standing water treatments, including *Bacillus thuringiensis* granules or briquettes, methoprene granules and biodegradable films. Fish can also be used as a biological control in abandoned swimming pools, temporary ponds and streams. Merchant notes that insecticide use for adult mosquitoes is neither effective nor desirable. "We would much rather stop the mosquitoes before they become adults," he says. With this in mind, spray trucks are viewed as a tool of last resort. Residual insecticides can be used for temporary control while students are in school in the spring or fall, as long as they are not applied in areas where children could come into contact with them. Bug zappers and citronella plants are not effective. Make sure you have a policy of keeping exterior doors closed to keep mosquitoes out of school buildings.

Many personal repellents are effective against mosquitoes. DEET repellents are one option, and the Centers for Disease Control and Prevention has identified other types that work well. Repellents that do not contain DEET will need to be reapplied more frequently. Some options include repellents that contain Picaridin (Cutter brand), lemon oil of eucalyptus (Repel brand), soybean oil (Bite Blocker), and 2-Undecanone (BioUD).

For more information on mosquito management, visit the following web sites:

Mosquito Safari: <http://mosquitosafari.tamu.edu/index.swf>

The City Bug Blog: <http://citybugs.tamu.edu/>

Extension page on mosquitoes: <http://www.extension.org/pages/65133/mosquitoes-hot-topics>

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\$1,000 MASMS Grant to be Awarded to a MASMS Member School District

MASMS will be awarding the school district of a MASMS member a grant for \$1,000. The project theme this year is “getting students involved in a facility and/or grounds project”. This grant will be awarded Friday October 4th, 2013 at the MASMS fall conference.

This grant is to be used in your school for a project that involves students. The project will need to be identified by July 15, 2013 and submitted to MASMS. All applications are reviewed by the MASMS Executive Board and a winner will be chosen from the submissions.

MASMS suggests that you try and involve the students right away—get them involved in picking and defining the project!

Some project ideas include:

- ♦ Landscaping (trees and/or shrubs)
- ♦ Start or revitalize a nature center area
- ♦ Install a low maintenance garden
- ♦ Recycling and/or waste reduction
- ♦ Sponsoring a field trip(s) related to facility and/or grounds
- ♦ Building project

If you are interested in this opportunity please complete the following steps:

1. Identify the project & provide MASMS with an overview of the project
2. Provide MASMS with a timeline for the project
3. Email this information to ruth@masms.org

We look forward to receiving your project ideas and to awarding this to one of our member schools this fall!

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The MASMS Memo Board

MASMS Executive Board Members

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MASMS CALENDAR

October 2, 2013 MASMS Scholarship Golf Event, St. Cloud, MN
 October 3 & 4, 2013 STATE CONFERENCE, St. Cloud, MN

CONFERENCE EDUCATIONAL SESSIONS FOR 2013

THE TRUST EDGE

“The single uniqueness of the greatest leaders of all time is Trust.”

PLAYGROUND SAFETY

Safety, compliance, and maintenance.

WHAT MAKES A CONDENSING BOILER

Condensing boiler technology.

WHO’S MASTER PLAN IS IT?

Effective master planning can save money.

AIR & VAPOR BARRIERS

Learn how Air Barriers and Vapor Barriers are critical to saving energy.

MAINTAINING PAVEMENT

Options for Successful Maintenance.

LEADERSHIP ROLE

Leadership basics. How to run a meeting.

CARE OF CAFETERIA TABLES

Cleaning do’s and don’ts.

HVAC FILTRATION

IEQ, Sustainability, and Operational Impacts of HVAC Filtration Options

NATURAL GAS RISK MGMT

Market Trends & Supply Options

ZERO PESTICIDE

MAINTENANCE BALL FIELDS

Turf management practices to minimize the use of herbicides, insecticides and fungicides.

OPTIONS FOR LOW INPUT LAWNS

ACTIVE SHOOTER IN A SCHOOL

WHERE IS THE LEAK COMING FROM?

Leak lessons from others’ experience!

STATE OF MN ENERGY SAVINGS

Energy Savings Performance Contracting as a tool to implement Energy Efficiency

BEST PRACTICES IN WASTE PREVENTION & RECYCLING

IAQ CHALLENGES WITH POOLS

Discuss challenges that facility managers face in providing a healthy pool.

ADA REQUIREMENTS FOR BUILDING EXTERIORS

ADA issues you should know about for your buildings’ exteriors and grounds.

MICROSOFT EXCEL BASICS

Learn the basics of MS Excel

INCORPORATING 21ST CENTURY SYSTEMS IN A 20TH CENTURY BUILDING

MICROSOFT POWERPOINT BASICS

FIRE DOORS & HEALTHY WALK THROUGH DOORS

What to know when servicing your doors.

GROUNDS CARE IN-HOUSE VS. CONTRACTING



BREAKFAST BUFFET & GROUP IDEA EXCHANGE ON FRIDAY MORNING!

CAPSTONE SESSION
 Friday October 4, 2013

DON’T MISS THIS CLOSING EDUCATIONAL SESSION
 The impact of the building & grounds department. Taking pride in our work!

MINNESOTA ERK CHANGES TO MEET OSHA HAZARD

COMMUNICATION STANDARDS
 Covers the impact of this new standard on schools and provide direction

COOPERATIVE PURCHASING 101

TIPS & TRICKS FOR PAINTING
 Aspects to solve your concerns with slippery floors and corrosion problems.

STORMWATER MANAGEMENT

A Stormwater Facilities Maintenance Program is necessary for ensuring that stormwater management facilities are properly inspected and maintained.

CRISIS MANAGEMENT 101

Concepts and basics involved in maintaining a crisis management program.

MAINTAINING AND PROTECTING YOUR CONCRETE FLOORS

Types of industrial coatings, sealers and stains that can be applied to concrete floors, walkways and pool decks.

Round Tables—Friday October 4th
 These are Small Group Discussions

Topics:

- Electrical Safety/State Regulations
- Energy Conservation Programs
- Safety Committee Supporting the Educational Mission
- Boiler Operation -MASMS Certification
- Turf/Grass/Trees -Technology

Classes qualify for AFE Continuing Educational Units and MASMS Certification