

MOSHE MATTERS

PRESIDENT'S MESSAGE

Keith Mosley – 2018 MOSHE President



Keith Mosley, 2018 MOSHE President

It is hard to believe the summer has gone by so fast. What a year it's been for MOSHE! Between our extremely successful monthly educational sessions, exceptional golf outing, and outstanding 6th Annual One Day Educational Seminar & Vendor Show, it has been a great achievement.

MOSHE has grown to 442 members who understand the value of being part of the MOSHE Chapter. I want to take this opportunity to challenge you to help in the continued growth in membership. Seek out the facility teams in acute care, critical access, and long term care organizations that are not currently involved with

MOSHE. Have conversations with the senior leaders of these organizations; tell the story of WHO from their organization would benefit from being a member. Tell them HOW our chapter has provided networking opportunities, access to information, and training that has improved performance within your organization and positively impacted your career. Tell the story of WHY it is extremely important for them to access these valuable education opportunities and our healthcare engineering support network to assist them in building high reliability facilities providing accessible, affordable and high quality care to our customers.

I would like to thank you all for allowing me to serve as President of MOSHE in 2018. It is an honor and a privilege to represent such an outstanding organization. Your continued unwavering support is the reason MOSHE has evolved into such a high performance ASHE Chapter.

MHA PREPAREDNESS PUBLICATION ASSESSES THREATS AND IDENTIFIES CRITICAL AREAS OF FOCUS

Jackie Gatz

Missouri Hospital Association

MHA has released a [publication](#) outlining the threats and risks affecting Missouri hospitals – reflective of 2017 hospital hazard vulnerability assessments and actual activations. Supporting an all-hazard approach to continuity planning, the report outlines and provides considerations for three crucial areas of patient surge, infrastructure resiliency and resource management.



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Calendar of Events

November 8-9: MOSHE Events at MHA's Convention at Tan-Tar-A

[Click here to register](#)

Thursday, Nov. 8

- 8:30 a.m. Rooms 62/63/64 MOSHE Business Meeting
- 9 a.m. Rooms 62/63/64 “ASHE Update” — Skanda V. Skandaverl, MBA, FASHE, CHFM, CHC, ASHE Region Eight Board Member and Division Director, Facilities Management Planning Design and Construction, Nebraska & Fargo Division, Catholic Health Initiatives, Omaha, Neb.
- 9:45 a.m. Rooms 62/63/64 Energy Break
- 10 a.m. Rooms 62/63/64 “Sustainability in Health Care Organizations and the Need for Dashboards and Analytics” — Brett Green, P.E., Manager of Remote Operations, Medxcel Energy, St. Louis, Mo.
- 11 a.m. Rooms 62/63/64 “An Introduction to Enterprise Sustainability and the Normal RC_x Process and Demonstration of the Enterprise Dashboards and Analytics” — Mike Taphorn, PMP, Program Manager, Talisen Technologies Inc., Creve Coeur, Mo.
- 11:50 a.m. Adjournment
- 4:30 p.m. – 6:00 p.m. Room 376 MOSHE Membership Reception

Friday, Nov. 9

9 a.m. - Noon JB's Boathouse Grill MOSHE Board Meeting

***Board Election results for 2019 President Elect and Directors.
Board review of Committees for 2019. Results to follow soon.***

December 4: Meet & Greet, 4 - 7 p.m., Missouri Athletic Club – West

January 2: SSM Health De Paul Hospital – St. Louis



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Sprinkler System Information

Sarah Willson, BSN, MBA, FACHE
Vice President Clinical and Regulatory Affairs
Missouri Hospital Association

MHA has become aware of a handful of surveys where hospitals have been cited for not having had a 5-year internal inspection of their fire sprinkler systems. This internal inspection evaluates the pipe at the end of the lone and a branch to a sprinkler head. According to Brad Keyes, CHSP, [KEYES Life Safety Compliance](#), has written the NFPA 99- 2012 edition requires:

- An inspection of piping and branch line conditions conducted every 5 years by opening a flushing connection at the end of one main and by removing a sprinkler toward the end of one branch line for the purpose of inspecting for the presence of foreign organic and inorganic material. The flushing location and a sprinkler must be opened and the condition of the pipe inside inspected. The standard specifically wants you to look for the presence of Microbiologically Influenced Corrosion (MIC), zebra mussels, or inorganic materials such as rust and scale, as well as other items that may have been left in place by the installers such as gloves and cut-out coupons. You're looking for these items because they can cause obstructions. According to the handbook, looking in just two locations once every 5 years is sufficient and provides a reasonable assurance that the entire system is acceptable. This internal inspection should be coordinated when the system is drained for other internal inspections, such as check valves. The handbook specifically says this 5-year inspection applies to wet, dry, pre-action, and deluge systems, as well as foam-water sprinkler systems
Alternative non-destructive examination methods shall be permitted. *Alternative nondestructive examination methods includes the use of X-ray, ultrasound, and remote video techniques.*
- Tubercules or slime, if found, shall be tested for MIC.
NFPA does not define what a tubercule is, but according to a dictionary, a tubercule (also spelled tubercle) is a nodule or small eminence, attached to the inside of the pipe. The reason NFPA wants tubercules and slime tested for MIC, is MIC is very destructive to the inside of a sprinkler pipe, and almost always leads to pinhole leaks. There is newer technology being used that injects nitrogen (taken from the atmosphere) into the sprinkler system when filling that lowers the level of oxygen to a point that prohibits MIC from growing.
- If the presence of sufficient foreign material is found to obstruct the pipe or sprinklers, then an obstruction investigation must be conducted as described in section 14.3.
NFPA does not say how much foreign material is sufficient to obstruct pipe or sprinklers, so this is a judgement call. It would be normal to observe small amounts of scale and rust inside sprinkler pipe and should not trigger an obstruction investigation.
- Non-metallic pipe shall not be required to be inspected internally.
Corrosion is associated with metallic pipe so non-metallic pipe (i.e. plastic CPVC) is not subject to the 5-year internal inspection.
- In dry systems and pre-action systems the sprinkler removed for inspection shall be from the most remote branch line from the source of water that is not equipped with the inspector's test valve.
The dry system and pre-action system is required to have an inspector's test valve, but NFPA does not want a sprinkler pulled on the branch line containing the inspector's test valve. So, they want the sprinkler pulled on the next branch line closest to the branch line containing the inspector's test valve.

Please let Sarah Willson, swillson@mhanet.com, or Jim Mikes, jmikes@mhanet.com, know if you have questions or concerns. In addition, feel free to contact the DHSS Bureau of Hospital Licensure and Standards, with your questions and concerns. You can reach them at 573-751-6303.



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Office of the Governor

State of Missouri

Governor's Proclamation

WHEREAS, the efforts of dedicated healthcare engineering and facilities management professionals help make it possible for Missourians to receive affordable healthcare in hospitals across the State; and

WHEREAS, a hospital's engineering and facilities management department is responsible for a considerable portion of the institution's operating budget; and

WHEREAS, those dollars are spent wisely and efficiently through the engineering and facilities management department's diligent efforts to optimize the physical healthcare environment; and

WHEREAS, healthcare engineering and facilities management professionals make significant contributions to the health of Missourians.

NOW THEREFORE, I, Michael L. Parson, GOVERNOR OF THE STATE OF MISSOURI, do hereby proclaim October 21-27, 2018, to be

HEALTHCARE FACILITIES AND ENGINEERING WEEK

IN TESTIMONY WHEREOF, I have hereunto set my hand and caused to be affixed the Great Seal of the State of Missouri, in the City of Jefferson, this 13th day of August, 2018.



Michael L. Parson

Michael L. Parson
GOVERNOR

ATTEST:

Jay Ashcraft

SECRETARY OF STATE

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