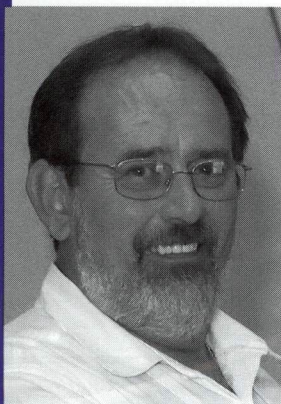


The Whistle

FHEA

VOLUME XXX, NUMBER 2

SUMMER 2014



This is my second of four letters to you—time sure flies when you are having fun! First of all I want to congratulate everyone: FHEA has once again achieved the Platinum Level Chapter award from ASHE. This is due to the dedication shown by all district chapters, our Executive Director, Alethea Vitray, our supporting members, and your Board of Directors. First and foremost, I want to thank Norm Epps, CHE,

CHEP, for putting the chapter award submission together for FHEA; this is one of the duties that the State VP is assigned each year and represents a lot of work to accomplish in a short time frame. Norm will be our state president next year and I look forward to his leadership.

The President's Corner

SCOTT McCORMICK, CHE, CHFM, CHSP

We held the 30th Spring Meeting on May 8-9, 2014 at Sandestin Golf and Beach Resort in the Panhandle. Even though the attendance was down somewhat from the previous year, the evaluations are all in agreement that it was a superior program. Our sincere thanks to all of the tabletop exhibitors whose support made the meeting possible, plus an extra shout out to the Platinum, Gold, and Silver sponsors who went above and beyond to help support the meeting. I can't say enough about the work Greg Hodgson put into our 7th annual spring golf outing that took place on Thursday before the Spring Meeting. A great job once again, providing us with a much needed break and opportunity to network with other healthcare professionals. But as good as Greg is, we couldn't put this golf outing on without our supporting members. Our thanks to them.

It is time once again to 'Save the Dates': the FHEA 52nd Annual Meeting and Trade Show will be starting Monday, September 22nd and culminating Wednesday, September 24th 2014 at the Hilton Orlando. Registration for both the FHEA and AHCA events is open; simply go to FHEA.org and follow

the link. There are several packages available including registration for both the AHCA Seminar and the FHEA Annual Meeting or just the trade show if you prefer. This year the FHEA has put together an excellent program; our opening speaker is George Mills, Director of Engineering for The Joint Commission. He will cover many subjects but will try to leave some time for us to have our questions addressed. Thank you to David Kovacs and Alethea for getting George Mills here for this meeting; it has been two years in the making!

We also have a session on Indoor Air Quality during construction. We all have to deal with an ICRA from time to time so this should be quite helpful. Also a session on succession planning for facilities -- a hot topic, since ain't any of us getting younger! We also anticipate another great trade show which has already sold out all 281 booths!

Another important date to remember is the annual ASHE

conference and trade show August 3-6 in Chicago, IL. You can go to either FHEA.org and follow the ASHE link or log on to ASHE.org for program and registration information. I encourage you to

attend; a lot of important information will be shared, and I hope to see some of y'all there.

Since I became state VP it has been my goal to increase the number of members holding the CHE certification. In 2012 we had 32 folks certified, 3013 we were at 36, and as of the last board meeting we had 42! This is great but let's see if we can get the number up above 50 next year. The certification is simple to achieve and shows your dedication to our trade.

Just a couple of final thoughts: it is summer and the thoughts of all Healthcare Engineers turn to the tropics. Everyone is saying this will likely be a slow hurricane season but it only takes one hitting near your facility to make it a very bad year indeed. I hope we all have the slow year predicted. It looks like this will be another scorcher of a summer so let's make sure our staff pays close attention to the heat when working on roofs, boiler rooms or anywhere else that may provide the opportunity to get overheated. Thank you all for the opportunity to lead this great organization I hope you and your families have a great summer -- be safe.

Our FHEA 52nd Annual Meeting & Trade Show Sponsors

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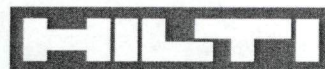


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Confusion over NFPA 110 Diesel Fuel Oil Testing Requirements: Standard vs. Annex

—Dan Chisholm, President
MGI Consulting

Recently I've received several communications about using ASTM D975 for diesel fuel oil testing, suggesting an understanding that this test is required by NFPA 110. As this is a very expensive test running \$650-\$800 per test, it bears exploring whether this is the intent of the standard.

The text of NFPA 110, 8.3.8 reads: "8.3.8* A fuel quality test shall be performed at least annually." The asterisk (*) indicates there is an Annex related to the standard, in this case, Annex A.

The text of NFPA 8.3.8, Annex A states: "A.8.3.8 Limited fuel quality testing performed annually using appropriate ASTM standard test methods is recommended as a means to determine that existing fuel inventories are suitable for continued long-term storage. Special attention should be paid to sampling the bottom of the storage tank to verify that the stored fuel is as clean and dry as practicable and that water, sediment, or microbial growth on the tank bottom is minimized. ASTM D975, Standard Specification for Diesel Fuel Oils, contains test methods for existing diesel fuel."

The purpose of an Annex is to provide

additional information – but it is not part of the standard. The following text appears at the beginning of Annex A to make this point clear: "Annex A is not a part of the requirements of this NFPA document but is included for informational purposes only. This annex contains explanatory material, numbered to correspond with the applicable text paragraphs."

In this case, during a Technical Committee meeting preceding the release of the 2013 edition of NFPA 110, a decision was made to mention ASTM D975 in Annex A to provide "guidance" to those looking for a standard to which to test their stored diesel fuel.

The reason ASTM D975 was not added to the standard itself was that it was not meant to be the ONLY test that could be used to determine the quality of diesel fuel needed to assure clean fuel and trouble free fueling of a diesel engine.

Is annual fuel testing according to ASTM D975 the only way to ensure clean fuel? I submit that it is not. In addition, ASTM D975 is a very expensive test and there are other less expensive tests recognized as adequate by engine manufacturers which range \$105-\$160 per test.

NFPA 110, 8.1.1 states: "The routine maintenance and operational testing program shall be based on all of the following: (1) Manufacturer's recommendations, (2) Instruction manuals, (3) Minimum requirements of this chapter [chapter 8], and (4) The authority having jurisdiction". Testing to an engine manufacturer's recommendations covers at least 3 of the 4 above. Unless there is empirical evidence that increased testing is warranted, I believe the authorities having jurisdiction should consider the least costly test approved by the engine manufacturers.

To eliminate the current confusion, I believe the NFPA 110 Technical Committee members should consider adding the following to 8.3.8 - "...according to tests which have been approved by the engine manufacturers."

Dan Chisholm and MGI Consulting, Inc. provide full Emergency Power Supply System evaluations, designs and commissioning for acute care hospitals and data centers nationwide. Dan serves as a member of the NFPA's Technical Committee responsible for NFPA 110, Emergency and Standby Power Systems. Dan can be reached at 407-421-7189 or dan.chisholm@mgi-epss.com.

FHEA 52nd Annual Meeting & Trade Show

September 22-24, 2014 • Hilton Orlando

6001 Destination Parkway • Orlando, FL 32819

How to Succeed in the Healthcare Environment

PROGRAM

MONDAY, SEPTEMBER 22, 2014 – AHCA SEMINAR & FHEA TRADE SHOW

- A.M.**
 6:30-8:30 Registration - for AHCA Seminar or dual AHCA/FHEA (*Orlando Ballroom Registration Desk*)
 10:00 FHEA Registration/Exhibitor Check-in (*Orlando Ballroom Registration Desk*)
- P.M.**
 12:30 Board of Directors Meeting - Lunch served (*Lake Lucerne*)
 4:30 **OPENING of FHEA 52nd TRADE SHOW** - (*Orlando Ballroom*)
 Reception
 7:30 Trade Show closes - On Your Own - Visit Hospitality Suites

TUESDAY, SEPTEMBER 23, 2014 – AHCA SEMINAR & FHEA TRADE SHOW

TRADE SHOW HOURS: 7:00AM - 2:00PM

- A.M.**
 7:00 Registration/Check-in
 7:00-8:00 **TRADE SHOW** - Continental Breakfast (*Orlando Ballroom*)
- P.M.**
 12:45 **TRADE SHOW EXHIBIT AWARDS -- announced at winning booths**
 1:10 **DOOR PRIZES -- announced at center food court**
 2:00 Closing of Trade Show
 4:00 District 3 Meeting (*Lake Hart A*)
 4:00 District 4 Meeting (*Lake Hart B*)

WEDNESDAY, SEPTEMBER 24, 2014 – FHEA ANNUAL MEETING

- A.M.**
 7:00 Registration (*Orange B-C Foyer*)
 7:15 CHE Breakfast (*Hosted by Barton Malow, Lake Lucerne*)
 7:30 Continental Breakfast (*Orange B-C Foyer*)
 8:30 **ANNUAL MEETING** (*Orange B-C*)
 Welcome, Introductions, Announcements
 –Scott McCormick, CHE, CHFM, CHSP, President
 8:45 **“Joint Commission 2014 Update”**
 –George Mills, MBA, FASHE, CEM, CHFM, CHSP, Director of Engineering
The Joint Commission
 10:15 Coffee Break
 10:45 **“Healthcare Construction: How’s Your IAQ?”**
 –Nate Sanders, CIH, LEED AP, VP/Senior Consultant
GCI Consultants, LLC
 11:30 **“Facilities Management Succession Planning”**
 –Angela Timperio, CHEP, CHSP-FSM, President
Life Safety Enterprises
 12:15 Luncheon - (*Orange Ballroom F-G*)
 (*Hosted by Ring Power Corp. and Pantropic Power, Inc.*)
 Luncheon Address
“Each Moment Counts”
 –Eli Pagonis, BS, MS, CEO/Founder
The Power of E4, LLC
- P.M.**
 1:30 **ASHE Update**
 –Robert Huffman, ASHE Region 4 Representative, Director of Facility Management,
North Mississippi Medical Center - West Point
 1:45 **FHEA Annual Business Meeting** (*Orange B-C*)
 – Committee & District Reports – Elections – Awards
 – Final Door Prizes
 3:00 Adjournment

REGISTER NOW!

www.ahcaseminar.com

This website is the joint FHEA-AHCA registration site. You can register for just the FHEA Annual Meeting & Trade Show or both the AHCA and FHEA sessions. You can pay by credit card or with a check.

AHCA Seminar: \$495
 As in past years, AHCA offers FHEA Active Members a \$75 discount off this AHCA Seminar price.

FHEA Meeting:
 Active Members \$95
 Active-CHE's \$85
 Supporting \$95
 Non-Members \$125
 Life Members - Free

Hotel Accommodations
 FHEA/AHCA has secured special rates for attendees and exhibitors at the Hilton Orlando. The link for reservations is on the same registration site, www.ahcaseminar.com or call 407/313-4300 (888-488-3509). Be sure to mention “AHCA/FHEA Joint Conference” to access our room block.

FHEA is Committed to Supporting STEM Education

FHEA funds Science Screen Report® DVD and streaming series to Florida's schools

Most of us are aware that FHEA's central mission is to support its members through educational opportunities. In addition to its two annual state meetings which each offer a day of continuing education, each of the four districts hold about six meetings a year, with an average of one hour of continuing education taking place per meeting.

These offerings provide critical information which keep our healthcare engineers current in a field where both ever changing codes and standards as well as ever evolving technology are a way of life.

What many of our members may not be aware of is FHEA also supports education for a different group of people -- Florida's elementary through high school students.

FHEA's members, the healthcare engineers, are well aware of the importance of science, technology, engineering and math (STEM) education in their profession, and it was a vision of FHEA's leadership to try to find a way to encourage, motivate and excite the next generation into considering career paths in these fields.

In 2002 FHEA began providing the award winning Science Screen Report® video series to select schools in Florida. Science Screen Report's series have been provided to schools nationwide free of charge for nearly 40 years through the support of corporations, foundations, and associations, such as the FHEA.

This support has provided teachers with multi-media materials to improve science, technology, engineering, and math education. In times of budget cuts and education funding issues, the videos and accompanying teacher guides have been a welcome gift. For ten years FHEA expanded their contribution to cover more and more schools.

Then in 2012, FHEA's leadership made a much larger monetary commitment that enabled the Science Screen Report® series to be distributed to the vast majority of middle and high schools in Florida; more than 1000 schools in all. In 2013 and 2014, FHEA's support of STEM education was instrumental in the distribution of more than 7,000 DVD copies of each of two volumes

that comprise the 2013/14 offering. These programs also recently became available as a Streaming series, making it easier for more teachers to access these programs for their students.

These programs are produced with an advisory panel of educators, administrators, and curriculum developers and adhere to the appropriate National Science Standards as well as the Next Generation Science Standards that are being addressed for the 2013/2014 school year. The videos examine the most recent developments and discoveries in science and technology. The programs are designed to help students understand the vital role science plays in our everyday lives -- and perhaps inspire them into exploring careers in these fields. These valuable curriculum enhancement materials are an ideal way to supplement lesson plans and reach a targeted audience of technologically visual learners.

We like to think the FHEA may be helping to nurture a future generation of Healthcare Engineers.



Hobbs Middle School

5317 Glover Lane • Milton, FL 32570
Phone: (850) 983-9630 • Fax: (850) 983-5635

Floyd C. Smith, Jr. Amanda Makar
Principal Assistant Principal

March 24, 2014

Dear Mr. Schilling,

I am writing to commend you and your organization for your support of our local school with your sponsorship of the Science Screen Report videos.

With the current financial situation it is almost impossible to take students on field trips, so the next best thing to being there is to educate the students through current and timely science videos.

Our sixth grade used "Meteorology: Studying Severe Weather" in the unit they cover on weather. They also used "Zoology: The Magnificent Macaw" during their study of animals. Our seventh graders benefited from viewing "Energy: Biofuels from Plants and Algae" and "Ecosystem: The Florida Everglades" during our two chapters that cover natural resources and the interaction between living things and both the biotic and abiotic worlds. Eight grade used "Astronomy: The Alma Observatory" with their space unit. They especially enjoyed "Aeronautics: The Science of Flight" as they were building their planes and rockets to cover the principles of flight.

It is refreshing to see local businesses that are willing to devote materials, goods, or time to help out our public schools. It sets a wonderful example for students to see others share and help. Your organization is an asset to our community and, as such, deserves to be recognized.

Sincerely,

Venetta Schang

Venetta Schang
Hobbs Middle School
5317 Glover Lane
Milton, FL 32570

These two letters are representative of dozens of thank you notes FHEA has received from Florida's schools.



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of Palm Beach County, Florida

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(561) 738-2728

E. Wayne Gent
Superintendent

Mr. Russ Schilling
FHEA Treasurer
Memorial Hospital Pembroke
7800 Sheridan Street
Pembroke Pines, FL 33024
RSchilling@mhs.net

Dear Mr. Schilling,

Thank you so very much for your sponsorship for the 2013-2014 school year. The Education Network truly appreciates your donation of the Science Screen Report Volume 43 DVDs.

The students of Palm Beach County are extremely grateful to have access to this information. The Education Network has three in-house channels that air directly to the 187 schools. These DVDs are featured on our channels throughout each school week. The students really enjoy having new and current classroom content.

The teachers are also grateful to have access to this information to use as supplemental content for their lesson plans. Many of the teachers also enjoy having access to receive individual copies of the DVDs for their classrooms.

Once again we truly thank you for your donation of the Science Screen Reports Volume 43. We are so thankful to also be able to broadcast these videos, make copies and stream them. It allows The Education Network to reach as many students as possible each academic year.

Thank you again!

Sincerely,

RS

Welcome New Supporting Members

The following individuals have joined our growing ranks since our last newsletter.

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52nd Annual Meeting & Trade Show Exhibitors

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Continued on facing page

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Contact Info: (800)226-4537 sales@masonengineering FHEA booth 403 & 502

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 USSolar, Inc.
 uSave LED
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