

Agenda

Presented by Kendall Nightlinger

Fire Protection and Life Safety Design

- Applicable codes
 - International Fire Code
 - Michigan Building Codes
 - National Fire Protection Association (NFPA) codes
 - Local ordinances
- Scope and purpose of codes and ordinances
- Special occupancies and shared jurisdiction/authority:
 - Health care facilities and others
- Michigan Building Code 414.1.3 – Report overview

Occupancy Classifications

- General requirements and criteria
 - Change of use and /or change of occupancy
 - Occupancy/hazard classifications
- How the hazardous materials opinion and report assist the designer and code official as well as the building owner/operator, MBC 414.1.3
- Life safety issues
- Design solutions and scenarios
- Evaluation and documentation

High Pile Storage and H Occupancies

- When is it applicable?
- What fire protection regulations are applicable?
- How to use the IFC table
 - H occupancies
 - Technical requirements
 - Control areas

Fire Protection Features and Equipment

- Deferred submittals - registered design professionals in responsible charge
- Walls, signage
- Fire detection and communication systems
- Sprinkler systems
- Emergency alarm systems
- Standard of care

Occupancy Exercise

- Case studies
 - New construction
 - Changing occupancy of existing buildings

Complying with Fire and Building Codes
Mackinaw City, MI - Thursday, December 13, 2018



Halfmoon Education Inc.
PO Box 278
Altoona, WI 54720-0278

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Learning Objectives

You'll be able to:

- Examine** the scope and purpose of applicable codes and ordinances, including the International Fire Code, Michigan building codes and NFPA codes.
- Review** occupancy and hazard classifications.
- Understand** how the hazardous materials report can assist the designer and code official as well as the building owner/operator (Michigan Building Code 414.1.3 report).
- Understand** the standard of care for fire protection systems.
- Identify** requirements related to signage, alarms, sprinkler systems and other fire protection features and equipment.
- Apply** what you have learned to occupancy exercises for new construction and existing buildings.



Complying with Fire and Building Codes

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- Enhance** your understanding of fire protection and life safety design
- Explore** general requirements and criteria related to occupancy classifications
- Understand** the National Fire Protection Association (NFPA) codes as well as the Michigan Building Codes and standards
- Learn** the regulations that apply to high pile storage
- Discuss** fire protection features and equipment

Continuing Education Credits

Professional Engineers 6.5 Continuing Ed. Hours	International Code Council .65 CEUs (Fire)
Architects 6.5 HSW Continuing Ed. Hours 6.5 AIA HSW Learning Units	Contractors Non-Credit Continuing Ed.



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Faculty

Kendall Nightlinger is a nationally-recognized expert in the application of building and fire codes to the safe design and operation of commercial and industrial facilities. He possesses over 40 years of mechanical trade experience and has been a fire protection, mechanical plans examiner/inspector Since 1992. Mr. Nightlinger has been a code instructor since 1994 and is designated as a lifetime State Of Michigan code instructor (#1952). He participates in International Code Council action committees (FCAC, BCAC) and work groups regarding hazardous material, fire protection and life safety issues. Mr. Nightlinger speaks regularly to architects and engineers about code compliance and life safety design issues. He also speaks before building, mechanical and fire inspector associations promoting a higher level of understanding about the challenges of safety around hazardous materials. Mr. Nightlinger’s passion for his trade and his professionalism engage his audience, empowering many of them as ambassadors for code compliance. He joined Ino-Tek in 2018 as a senior code specialist and consultant for hazardous materials.

Seminar Information

Audie’s Restaurant 314 N. Nicolet Street Mackinaw City, MI 49701 (231) 436-5744	Registration 8:30 - 9:00 am Morning Session 9:00 am - 12:15 pm	Lunch (On your own) 12:15 - 1:15 pm Afternoon Session 1:15 - 5:00 pm
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Tuition

\$279 for individual registration
\$259 for three or more simultaneous registrations.
Included with your registration: Complimentary continental breakfast and printed seminar manual. Registration does not include copies of the codes themselves.
Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org.

- How to Register**
- Visit us online at www.halfmoonseminars.org
 - Mail-in or fax the attached form to 715-835-6066
 - Call customer service at 715-835-5900

Cancellations: Cancel at least 48 hours before the start of the seminar (CDT), and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the CD/manual package. You may also send another person to take your place.

Additional Learning

- Webinar Series**
- Geothermal Heating and Cooling**
- **Thermodynamic Basics of Geothermal Systems**
Thurs., Nov. 1, 2018, 11:00 AM - 12:00 PM CDT
 - **Understanding Earth Loop Systems**
Thurs., Nov. 1, 2018, 12:30 - 2:00 PM CDT
 - **Choosing and Designing Geothermal Systems**
Fri., Nov. 2, 2018, 11:00 AM - 12:00 PM CDT
 - **Evaluating and Maintaining Geothermal Systems**
Fri., Nov. 2, 2018, 12:30 - 2:30 PM CDT
- Cogeneration System Principles and Practice**
- **Understanding the Benefits of Cogeneration**
Thurs., Nov. 8, 2018, 11:00 AM - 12:30 PM CST
 - **Laws, Regulations and Building Codes Impacting Cogeneration**
Thurs., Nov. 8, 2018, 1:00 PM - 2:30 PM CST
 - **Examining Cogeneration Technologies**
Fri., Nov. 9, 2018, 11:00 AM - 12:30 PM CST
 - **Moving to Cogeneration: Analysis, Modeling and Case Studies**
Fri., Nov. 9, 2018, 1:00 - 2:30 PM CST
- Shallow Foundation Design and Construction**
- **Evaluating Building Sites**
Wed., Nov. 14, 2018, 11:00 AM - 12:30 PM CST
 - **Shallow Foundation Design**
Wed., Nov. 14, 2018, 1:00 - 2:30 PM CST
 - **Special Considerations in Foundation Design and Construction**
Thurs., Nov. 15, 2018, 11:00 AM - 12:30 PM CST
 - **Soil Improvement and Foundation Diagnosis and Repair**
Thurs., Nov. 15, 2018, 1:00 - 2:30 PM CST
- Roadway Design**
- **Roadway Design**
Thurs., Nov. 29, 2018, 11:00 AM - 12:30 PM CST
 - **Roadway Design Process**
Thurs., Nov. 29, 2018, 1:00 - 2:00 PM CST
 - **Typical Roadway Sections and Alignment**
Fri., Nov. 30, 2018, 11:00 AM - 1:30 PM CST
 - **Intersections, Drainage and Pedestrian-Bicycle Facilities**
Fri., Nov. 30, 2018, 2:00 - 3:30 PM CST

For more information visit: www.halfmoonseminars.org/webinars/

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 continuing education hours to professional engineers and 6.5 HSW continuing education hours to architects in Michigan. Educators and courses are not subject to pre-approval in Michigan.

Engineers and architects seeking continuing education credit in other states will be able to apply the hours earned at this seminar, in most cases. Refer to specific state rules to determine eligibility.

This course has been approved by the American Institute of Architects for 6.5 HSW Learning Units (Provider No. J885). Only full attendance can be reported to the AIA/CES.

The International Code Council has approved this event for .65 CEUs in the specialty area of Fire.

This seminar offers contractors a non-credit continuing education opportunity. It has not been submitted to any state contractor licensing entity for continuing education approval

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Can’t Attend? Order the CD/Manual Package:

An audio recording of this seminar is available for \$289 (including shipping). Allow five weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Registration

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How to Register	Registrant Information
Online: www.halfmoonseminars.org	Name: _____
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	Email: _____
	Phone: _____
Fax: 715-835-6066	Additional Registrants:
	Name: _____
	Occupation: _____
	Email: _____
	Phone: _____
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	Name: _____
	Occupation: _____
	Email: _____
	Phone: _____
Complete the entire form. Attach duplicates if necessary.	Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.
	() I need special accommodations. Please contact me.

Tuition

() **I will be attending the live seminar.** Single Registrant - **\$279.00**. Three or more registrants from the same company registering at the same time - **\$259.00** each.

() **I am not attending.** Please send me the CD manual package for **\$289.00**. (S&H included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

Credit Card: *Mastercard, Visa, American Express, or Discover*

Credit Card Number: _____

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