

Agenda

Presented by Kendall Nightlinger

Fire Protection and Life Safety Design

Applicable codes

- International Fire Code Chapter 1, 9, 32, 50
- Michigan Building Codes Chapter 3, 307, 9, 141, 415
- National Fire Protection Association (NFPA standards) (IFC 102.8)
- Local ordinances

Scope and purpose of codes and ordinances (IFC 101.2, 101.3)

Understanding shared jurisdiction/authority:

Special occupancies and health care facilities
IFC 104.7.2 and MBC 414.1.3 – Report overview

Occupancy Classifications

General requirements and MAQs, Chapter 50 / is it H or F

- Change of use and /or change of occupancy (IFC 102.3)
- Occupancy/hazard classifications tables 5003.1.1 (1) and (2)

How the hazardous materials opinion & report assist the designer
and code official as well as the building owner/operator,

IFC 104.7.2 and MBC 414.1.3

Life safety issues / hazards

Design solutions and scenarios

Evaluation and documentation (IFC E-103)

High Pile Storage and H Occupancies IFC Chapter 32

When is it applicable? (IFC 3206.3)

What fire protection regulations are applicable? (IFC 3206.2)

How to use the IFC Table (IFC 3206.2)

- H Occupancies (IFC Chapter 50 and MBC Chapter 3 and 4)
- Technical requirements / submittals (IFC 3201.3)
- Control areas definitions / technical requirements, limitations

Fire Protection Features and Equipment IFC Chapter 9 MBC Chapter 9

Deferred- submittals registered design professionals in responsible
charge (MBC 107.3.4)

Walls, ratings, signage (IFC 5003.5)

- Fire detection and communication systems (Chapter 9 IFC and MBC)
- Sprinkler systems (IFC 903)
- Emergency alarm systems (IFC 908)

Occupancy Exercises

Case studies:

- New construction (IFC 102.4)
- Changing occupancy of existing buildings (IFC 102.3)

Complying with the 2015 Fire Protection
and Building Codes
East Lansing, MI - Thursday, June 6, 2019

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Learning Objectives

You'll be able to:

Examine the scope and purpose of applicable codes and ordinances.

Understand occupancy classifications and review requirements for change
of use/occupancy.

Review requirements for high pile storage and high hazard H occupancies.

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



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Understand the International
Fire Code and the National Fire
Protection Association (NFPA)
codes as well as the Michigan
building codes and standards

Explore general requirements
related to occupancy
classifications

Discuss high hazard occupancies
and high pile storage

Learn about sprinkler systems,
fire detection systems and
emergency alarm systems

Continuing Education Credits

Professional Engineers
6.5 Continuing Ed. hours

Architects
6.5 HSW Continuing Ed. Hours
6.5 AIA HSW Learning Units

International Code Council
.65 CEUs (Fire)

**Building Inspectors &
Mechanical Inspectors**
6.0 Hours

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 the 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 professionalism engages 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

Marriott at University Place 300 Michigan Agricultural College Avenue East Lansing, MI 48823 (517) 337-4440	Registration 8:00 - 8:30 am Morning Session 8:30 - 11:45 am	Lunch (On your own) 11:45 am - 12:45 pm Afternoon Session 12:45 - 4:30 pm
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Tuition

\$289 for individual registration
\$269 for three or more simultaneous registrations from the same company at the same time.

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, 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 self-study package. You may also send another person to take your place.

Additional Learning

Webinar Series

Passive House: Planning and Design

- **Energy Efficiency of Conventional Construction**
Thurs., May 9, 2019, 11:00 AM - 12:00 PM CDT
- **Passive House Standard: Purpose, Principles and Development**
Thurs., May 9, 2019, 12:30 - 2:00 PM CDT
- **Architectural Elements of Passive Houses**
Fri., May 10, 2019, 11:00 AM - 12:30 PM CDT
- **Mechanical Systems in Passive Houses**
Fri., May 10, 2019, 1:00 - 2:30 PM CDT

Construction Cost Estimating

- **Introduction to Cost Estimating**
Thurs., May 23, 2019, 11:00 AM - 12:30 PM CDT
- **Cost Components – A Closer Look at the Estimates**
Thurs., May 23, 2019, 1:00 - 3:00 PM CDT
- **Cost Estimate Organization and Examples**
Fri., May 24, 2019, 11:00 AM - 1:00 PM CDT
- **Cost Estimating Topics**
Fri., May 24, 2019, 1:30 - 3:00 PM CDT

Erosion and Sediment Control

- **Soils and Causes of Erosion**
Thurs., May 16, 2019, 11:00 AM - 12:00 PM CDT
- **Goals for Selection of Erosion and Sediment Control Practices**
Thurs., May 16, 2019, 12:30 - 1:30 PM CDT
- **Calculations for Determining Soil Loss and Channel Stabilization**
Fri., May 17, 2019, 11:00 AM - 12:00 PM CDT
- **Non-Structural Erosion and Sediment Control Best Practices**
Fri., May 17, 2019, 12:30 - 1:30 PM CDT

For more information and other online learning opportunities 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 most states, including Michigan. Educators and courses are not subject to pre-approval in Michigan.

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.

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.

The Michigan Department of Licensing and Regulatory Affairs, Bureau of Construction Codes has approved this course for 6.0 continuing educations hours for Building Inspectors and Mechanical Inspectors, including 1.0 hour in Administration, 2.0 hours in Technical, and 3.0 hours in Plan Review. Full attendance is required to receive credit.

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 Manual and Audio from the Live Seminar as a Self-Study Package!

Audio recordings of this seminar are available for purchase starting at \$269. See registration panel for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Registration

Complying with the 2015 Fire Protection and Building Codes

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How to Register	Registrant Information Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____
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Complete the entire form. Attach duplicates if necessary.	
() I need special accommodations. Please contact me.	

Tuition
() **I will be attending the live seminar.** Single Registrant - **\$289.00**. Three or more registrants from the same company registering at the same time - **\$269.00** each.
() **I am not attending.** Please send me the self-study package:
☐ Downloadable MP3 Audio/PDF Manual for **\$269.00**.
☐ CD/Manual Package for **\$289.00**.
(S&H included. Please allow five weeks from seminar date for delivery)

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