



Coffee Break Training - Fire Protection Series

Inspection Techniques: Online Learning Opportunities

No. FP-2012-39 September 25, 2012

Learning Objective: The student shall be able to identify four National Fire Academy fire protection courses available at NFA Online.

The National Fire Academy (NFA), through its learning management system *NFA Online*, offers four free courses that will help code officials better understand the influence of fire protection water supplies and hydraulic calculations on fire protection system performance. Three of the courses offer International Association for Continuing Education and Training (IACET) continuing education units (CEUs) for those persons who need to maintain professional certification.

The NFA Online courses include:

Alternative Water Supply: Planning and Implementing Programs (Q217)

This course on alternative water supply is designed to assist fire chiefs, water authorities, public policy officials, and others whose responsibility it is to plan for and implement programs that allow for the use of alternative water sources during structural firefighting operations. This course is worth 0.6 CEUs.

Hydraulic Calculations for Water-Based Fire Protection Systems Plan Review (Q137)

This course will enable students to use a Windows® standard and scientific calculator to evaluate the accuracy of the fire protection hydraulics mathematics in accordance with nationally recognized standards for the design and installation of water-based fire protection systems. This course is worth 0.2 CEUs.

Testing and Evaluation of Water Supplies for Fire Protection (Q218)

The material covers the following areas: testing and evaluation of available water supplies for water supply systems; onsite storage systems; and rural areas not served by a water supply; determining water supply for automatic sprinklers, standpipe systems, and fire suppression activities. The primary audience is fire suppression and training officers and code enforcement officials. The course addresses the professional competencies related to determining available fire flows for fire protection. This course is worth 0.6 CEUs.

Water-Based Fire Protection Systems Plan Review: The History of Sprinklers (P136)

This is a self-running, narrated brief history of sprinkler systems in the United States. Automatic sprinklers have a more than century-old record of effective fire control. Learn about the early days and development of sprinklers and the many innovations that have evolved to make sprinklers the best life-safety and fire protection tool we have today. There are no CEUs awarded for this informative material.

For more information and to register for these or other free courses, visit NFA Online at www.usfa.fema.gov/nfa/nfaonline/index.shtm



A thorough understanding of fire protection water supplies and hydraulic calculations—as evidenced by this private storage tank and fire pump installation—is essential to effective fire protection.



Eligible for Continuing Education Units (CEUs)
at www.usfa.fema.gov/nfaonline

For archived downloads, go to:
www.usfa.fema.gov/nfa/coffee-break/