

Technical Tuesday Online Education Seminars

(Free for CASA Members!!!)

There is a 24-hour processing period for the classes to be available for access. Following the 24-hour processing time, the classes will be available on your dashboard.

Live Tech Tuesday presentations are scheduled for 10:30 a.m. EST on the day of the event.

Once registered, if you miss the live event you will have access to a recorded version for 30 days from the live air date. You must watch the video and take the quiz within this time to receive credit.

September 15, 2020

Irregular and Nonuniform Hydraulic Areas

Presented by Kevin Hall, P.E.

This program covers advanced layout technician training topics that are usually covered in NFSA's three-day seminar. This one-hour webinar will provide a refresher for the basic principles of selecting a design area for sprinkler systems and then apply those principles to atypical scenarios.

October 20, 2020

Understanding the Fire Pump Acceptance Test

Presented by Terin Hopkins

This program covers the acceptance test procedures and requirements from NFPA 20 Standard for the Installation of Stationary Pumps for Fire Protection. This program will cover some of the often-missed items along with some of the more technical components of testing.

November 17, 2020

ITM and Fire Pumps

Presented by Vince Powers

Review common fire pump components and their inspection, testing, and maintenance requirements. The seminar will discuss basic fire pump components and methods for testing fire pumps. The seminar will demonstrate how to conduct a fire pump test using different methods for flowing water and how to evaluate the results of the fire pump performance.

December 15, 2020

Manual Hydraulic Calculations

Presented by Roland Asp

Hydraulic calculations determine the most important aspect of the fire protection system being designed; will the system, as designed and given the available water supply, be able to provide enough water at the required density to successfully control or suppress a fire. Today, most of us use computer-based software programs to aid us in performing these calculations. These capable and powerful programs streamline the hydraulic calculation process by taking our input information and running the calculations for us. As long as the correct information is inputted into the program, an accurate calculation can be produced in a fraction of the time of a manual or "old fashioned" hydraulic calculation. The advent of these calculation programs has been an enormous benefit to the layout technician, but if the technician does not understand the formulas and procedures behind the calculation process, an important skill set can be lost. The knowledge gained by understanding and practicing the manual hydraulic calculation methods will reinforce the basic concepts of hydraulics and the interdependency of the various aspects of the layout. This understanding of the concepts of hydraulic calculations will help the technician to develop the "feel" for the fire sprinkler system that cannot be learned through merely inputting data into a computer.