



**CANADIAN
AUTOMATIC
SPRINKLER
ASSOCIATION**

PUMPS FOR FIRE PROTECTION

PURPOSE- This one-day program provides attendees with vital information about the design and installation of fire pumps. The NFPA 20 and the NFPA Fire Pump Handbook are used as reference material. This is an intermediate level class. This seminar is designed to increase the participant's knowledge and application of fire pumps in fire protection systems and to familiarize the attendee with the NFPA Standards that govern the proper design and installation of fire pumps.

WHO SHOULD ATTEND?

- Code Officials
- Designers/Contractors
- Design Professionals Architects/Engineers
- Building Owners/Managers
- Installers
- Insurance Representatives

MATERIALS- Each attendee will receive an NFSA workbook and other prepared materials. *It is recommended that each attendee bring their own copy of NFPA 20.*

When: October 25, 2010

City: Halifax, NS

Location: TBD

Time: 8:00am to 5:00pm

Fee: \$275 per person per day

15% Discount when you register three people

****15% Discount when you register for all three days****

*****Includes work book, continental breakfast, morning and afternoon coffee break*****

LEARNING OBJECTIVES

- The hydraulic formulas used in pump design
- When is a pump required
- Distinguish between types of pumps and their drivers
- The requirements for sizing and placement
- Piping and valves required
- Testing procedures

COURSE OUTLINE

- Basic Hydraulics
- Need for fire pumps
- Types of pumps and drivers
- Pump placement and sizing
- Piping and appurtenances
- Electric drivers and controllers
- Diesel drivers and controllers
- Acceptance testing

REGISTRATION

Name: _____

Company: _____

Address: _____

City/Town: _____

Tel: (____) _____ Fax: (____) _____ E-mail: _____

Credit Card Information: _____ **Expiry Date** _____

Registration Fee: _____

Plus HST _____

TOTAL _____

Registration form and payment must be returned to office by: October 18, 2010
C.A.S.A., Attn: Seminar Coordinator 335 Renfrew Dr., Suite 302 Markham, ON L3R 9S9
Tel: (905) 477-2270 Fax: (905) 477-3611