



## 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 a CASA workbook and other prepared materials. *It is recommended that each attendee bring their own copy of NFPA 20.*

**When: Tuesday April 17, 2012**

**City: Winnipeg, MB**  
**Location: Winnipeg Fire Department**  
**2546 McPhillips St.**  
**Winnipeg, MB**  
**R2P 2T2**

**Time: 8:00am to 5:00pm**

**Fee: \$225 per person per day + 5% GST**

**\*10% Discount when you register three people\***

**\*\*10% 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: \_\_\_\_\_

Method of payment: \_\_\_\_\_ Cheque \_\_\_\_\_ VISA \_\_\_\_\_ Master Card \_\_\_\_\_ Amex \_\_\_\_\_

Credit Card Information: \_\_\_\_\_ Expiry Date \_\_\_\_\_

Sub-Total: \_\_\_\_\_

(HST #R100760123) GST 5% \_\_\_\_\_

TOTAL \_\_\_\_\_

Registration form and payment must be returned to office by: **April 13, 2012** Please fill out this form and send back to the C.A.S.A office via fax at: 905-477-3611 or email this form back with the subject heading "Seminars" to: [info@casa-firesprinkler.org](mailto:info@casa-firesprinkler.org) Tel: (905) 477-2270