

# Seminar Information Sheet

**Seminar Title:** Introduction to Sprinklers, Pumps and Standpipes

**Seminar Description:** : Knowing the various types of fire protection systems that go into a building is the key to understanding their role in protecting property and lives. This program will take the participant through the various components of sprinkler systems, fire pumps and standpipes and discuss how the systems work individually and collectively to provide protection from fire in buildings. Starting with a bit of history on these systems the seminar covers the type of systems, types of sprinklers, pump types and components, terms and basic definitions used in NFPA 13, 14 and 20.

**Duration:** 7 hours

**Number of Modules:** 4

**Total Instructional Contact Minutes:** 420 min. (0.7CEUs & 7CPDs)

## Learning Objectives:

At the conclusion of this seminar the participant will be able to:

1. Identify the components of fire sprinkler systems
2. Identify the components of fire pumps and drivers
3. Identify the components of a standpipe system
4. Discuss how these three systems interact to provide water-based fire protection within a building.
5. Discuss the importance of inspection, testing and maintenance

## Seminar Schedule

<b>Module 1 – Introduction to Fire Sprinklers</b>	<b>8:00 – 11:30*</b>
<b>Module 2 – Introduction to Fire Pumps</b>	<b>11:30 – 2:00</b>
<b>Module 3 – Introduction to Standpipe Systems</b>	<b>2:15 – 3:15</b>
<b>Module 4 – The Interaction of Sprinklers, Pumps and Standpipes</b>	<b>3:15 – 4:15</b>

**\*with break**

## **Seminar Schedule**

### **Module 1 – Introduction to Sprinkler Systems**

**210 minutes**

At the conclusion of this module the participant will be able to:

1. Identify the various components of a sprinkler system
2. Describe the different types of sprinkler systems
3. Describe the different types of fire sprinklers
4. Discuss the importance of spray patterns and obstructions

### **Module 2 – Introduction to Fire Pumps and Controllers**

**90 minutes**

At the conclusion of this module the participant will be able to:

1. Identify the various types of fire pumps and their operations
2. Identify the fire pump components and types of drivers
3. Discuss the purpose of a fire pump and its operation

### **Module 3 – Introduction to Standpipe Systems**

**60 minutes**

At the conclusion of this module the participant will be able to:

1. Identify the components of Standpipe Systems
2. Describe the difference between the types of standpipe systems
3. Describe the difference between the classes of standpipe systems

### **Module 4 – The Interaction of Sprinklers Systems, Pumps and Standpipes**

**60 minutes**

At the conclusion of this module the participant will be able to:

1. Discuss how sprinklers, pumps and standpipes may interact in a system design.
2. Discuss the importance of inspection, testing and maintenance of these systems.