



MARSH



## NFPA 13, 20 & 25 Seminar

Don't miss this 'hot' opportunity

### Invitation

5-day seminar, Marsh Rotterdam

9 - 13 May 2011

*Including Free NFPA Membership*

# MARSH Netherlands in association with NFPA is hosting this official NFPA sprinkler engineering course in Europe

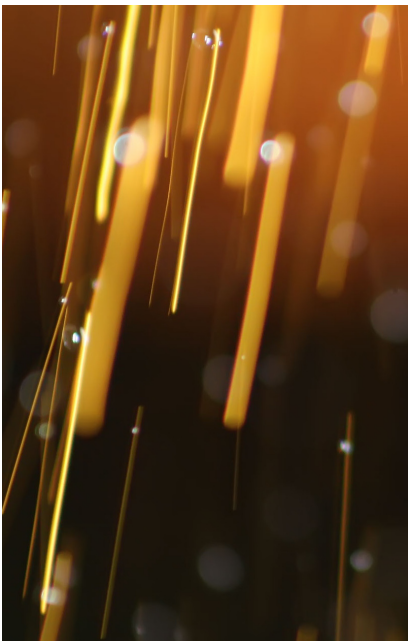
The NFPA is a globally acknowledged and accepted authority in the field of fire prevention and their standards are universally adopted and applied around the world. In order to support these fundamentals and the growing network of fire engineering practitioners, the NFPA has committed to establishing the same training in Europe that was previously only available in the US.

The training is to be conducted by the same professional NFPA lecturers used in the US. This sought after education will be to the same quality, standard and with the identical certification as delivered in the US. The handout material for library and future reference has been adapted for European application.

The tutors have participated and contributed in the development of NFPA codes and standards and are internationally recognized consultants. There is no limitation or prerequisite for attendance but delegate numbers are limited to ensure quality attention and value delivery. Initial courses are to be delivered in May 2011. Do not miss this opportunity to take advantage of the best professional training on the most significant aspect of fire protection sprinklers.

### Who should attend

For all fire engineers, inspection authorities, certification bodies, plan reviewers, designers, installers, inspectors, insurers, risk consultants, risk managers, this is the perfect opportunity to learn more about the NFPA 13, 20 and 25 codes. Remain current with the latest industry developments and practices, new developments and shared experiences. These interactive seminars will bring you up-to-speed on provisions found in the latest editions of NFPA 13, 20 and 25.



## When

For beginning of 2011, a five day training session is planned which will take place in the office of Marsh Rotterdam, The Netherlands. The number of delegates is limited to 40 attendees.

Date:

9 - 13 May 2011

## Where

The seminar will be held in the Head Office of Marsh Netherlands, located in Rotterdam.

## Registration fees

Each delegate registration for the selected week is EUR 1,849.= (excl. VAT). This includes lunch, coffee breaks, the seminar material including the handbooks of the NFPA 13, 20 and 25 and a free NFPA Membership. NFPA members pay EUR 1,749.= (excl. VAT). Register for the NFPA Experience without delay. Share in this unique knowledge and network opportunity with your fellow delegates. Complete the registration form attached to book your place with NFPA in Rotterdam.



# Program

Each program is structured over a 5 day period as follows

## Monday - Wednesday

### Installation of Sprinkler Systems (NFPA 13)

Correctly installed sprinkler systems reduce both damage and loss of life in building fires by up to 67 percent. This three-day seminar will effectively illustrate the concepts and requirements for automatic sprinkler systems and how they apply to specific hazards.

#### Upon completion you will be able to:

- Define the organization of NFPA 13 and its general requirements
- Ascertain the hazard classification for an occupancy
- Identify and discuss the requirements for various sprinkler system components
- Recognize the different types of sprinkler systems and be familiar with their operation
- Establish installation requirements for the various types of sprinklers
- Appraise various system design requirements including:
  - occupancy hazard fire control
  - protection of storage occupancies
  - protection of special hazards
  - Determine the requirements for system design and installation deliverables including:
    - plans and calculations
    - water supply data
    - system acceptance
    - certification



## Thursday

### Fire Pumps (NFPA 20)

Sprinkler and standpipe systems are effective only if fire pumps can deliver when they're needed. This 1-day seminar will provide you with effective strategies to ensure a reliable response. This seminar will prepare you to work on the full range of fire pumps, armed with the latest industry knowledge.

**Upon completion you will be able to:**

- Recognize different types of fire pumps and their applications  
Use graphical determinations of fire pump output
- Differentiate between electric and diesel drivers and controllers
- Identify the correct application and installation of fire pump components
- Evaluate various types of power sources and the requirements for each
- Assure continuity of power
- Commission fire pumps and related equipment

**Friday**

**Inspection, Testing and Maintenance of Water-Based Fire Protection Systems (NFPA 25)**

When automatic sprinkler systems don't perform to expectations, it is almost always due to human error.

Among these errors are poor maintenance, failure to keep the system appropriate to the hazard, and failure to provide for other aspects of building fire protection. This seminar is designed from an inspector's approach, working from the outside of a building to the inside, and then through the building's systems.

**Upon completion you will be able to:**

- Locate and explain the scope, purpose, definitions and reporting requirements of NFPA 25
- Recognize the requirements and procedures for the inspection, testing, and maintenance of private service mains, common valve components, system valves, and sprinkler and standpipe systems.
- Plot flow test results to determine causes of water supply problems
- Evaluate system test data
- Differentiate between the types of storage tanks and their inspection and safety concerns
- Restore obstructed piping
- Recognize the importance of having a procedure to deal with system impairment
- Determine requirements for spare sprinklers
- Conduct a failure rate analysis
- Identify who is permitted to perform inspection, testing, and maintenance



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