

Fire Inspector Certification Program

New Jersey Uniform Fire Code Inspector Training Program

Module 15 Inspection Skills & Tools



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Welcome

Instructor introduction

- Before we get started
 - Has everyone signed in?
 - Anyone have any questions.

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Inspection Skills and Tools

In this module we will discuss...

- *Types of Inspections,*
- *Purpose of Inspections,*
- *Applying the four (4) 'E's of fire prevention,*
- *Inspection equipment and tools,*
- *Inspector health and safety, and*
- *Issuing violation notices.*

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Types of Inspections

What type of inspections will a fire inspector be called upon to conduct?

- Registration
- Annual/Quarterly/Cyclical
- Complaint
- Permit
- Re-inspection
- Target hazard
- Area wide
- Random
- Post incident

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Purpose of Inspections

Why do we perform routine inspections?

"Fire suppression activities are not the only way to combat fires: a well-planned and executed fire prevention and inspection program is a less expensive and more effective way to accomplish the goal of the fire service."

The goal is, of course, to minimize the risk of life and property loss from fire. By observing, making recommendations, and subsequently controlling or eliminating hazardous conditions, the inspector can make major strides toward accomplishing this goal before a fire occurs.

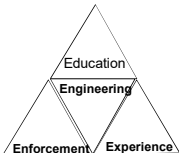
"IFSTA, Fire Inspection and Code Enforcement 8th edition..

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Four (4) E's of Fire Prevention

When it is all said and done - It comes down to the following

- Education
- Enforcement
- Experience
- Engineering



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Inspector Equipment & Tools

What tools do you need to perform the duties of a fire inspector?

Lets make a list
Student exercise

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What is an Inspector Health & Safety Program

Safety & Health Program Elements



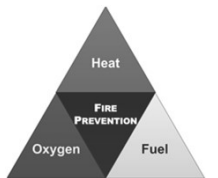
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Class Health & Safety Exercise I

Provide in general, a list of hazards the fire inspector may be exposed to during a routine fire inspection.



List Fire Inspection Hazards



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Class Health & Safety Exercise

II

Provide in general a list of hazards the fire inspector may be exposed to during a fire investigation

**List
Fire Investigation
Hazards**



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Accident



An unplanned, undesired event, not necessarily injurious or damaging, that disrupts the completion of an activity.

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Hazard

A hazard is any existing or potential condition in the workplace that, by itself or by interacting with other variables, can result in death, injuries, property damage, and other losses.



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Hazard Control

HIERARCHY OF CONTROLS

- Elimination** - Physically removed the hazard
- Substitution** - Replace the hazard
- Engineering Controls** - Isolate people from the hazard
- Administrative Controls** - Change the way people work
- PPE** - Protect the worker with Personal Protective Equipment

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Hazard Control involves developing a program to recognize, evaluate, and eliminate (or at least reduce) the destructive efforts of hazards arising from human errors and from conditions in the workplace.

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Loss Control

RISK MANAGEMENT

Accident prevention, achieved through a complete safety and health hazard control program. Loss control involves preventing employee injuries, occupational illnesses, and accidental damage to the company's property.

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Health & Safety?


Who is Responsible?

We all have a responsibility to recognize the hazards of the job, prevent exposure if possible, and protect against those we cannot. Remember, as a fire inspector you want a long, memorable career that ends in a retirement that you are capable of enjoying.

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Safety Regulations






NJ PEOSH

US OSHA


EPA/DEP

The fire inspector is covered by the same safety laws and regulations as any other employee. These regulations not only place the burden to protect on the employer, but they all also place the burden squarely on the individual employee, i.e., the fire inspector.

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Personal Protective Equipment

29 CFR 1910.132




Requires employers to assess the workplace to determine if hazards are present, or are likely to be present, which necessitate the use of PPE.

PPE may be supplied at the inspection site by the owner

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Protecting Employees



OSHA requires employers to protect their employees from workplace hazards such as machines, work procedures, and hazardous substances that can cause injury.

Missing guards would be a common violation under 102.1.1

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Controlling Hazards



1. Engineering Controls
2. Work Practice Controls
3. Personal Protective Equipment

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Engineering Controls



***If....
You can physically
change the
machine or work
environment to
prevent employee
exposure to the
potential hazard,***

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Engineering Controls



***Then...
You have
eliminated the
hazard with an
engineering
control.***

Lock out kits provide slots for each craft to secure until they are completed. Other locks remain.

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Work Practice Controls



If...

You can remove your employees from exposure to the potential hazard by changing the way they do their jobs,

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Work Practice Controls



Then...

You have eliminated the hazard with a work practice control.

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Examples



- **Job rotation of workers**
- **Personal hygiene**
- **Housekeeping and maintenance**
- **Safety controls**
- **PPE**

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Worker Protection




Refer back to the list of equipment you developed earlier, did it include enough safety equipment?

**Class
Exercise IV**

**Personal
Protective
Equipment**

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PPE Examples I



Eyes
safety glasses, goggles

Faces
face shields


Heads
hard hats

Feet
safety shoes

Ears
ear plugs

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PPE Examples II



Hands & Arms
gloves

Bodies
vests, aprons

Hearing
ear plugs, earmuffs

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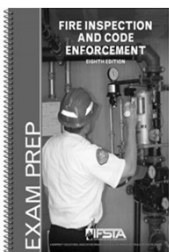
Training/Physical Requirements



Inspectors must be able to walk long distances, climb stairwells and ascend roof access ladders for example

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Resources



OSHA CD-ROM
Government Printing Office
 202-512-1800
 #729-013-00000-5
 \$43/year
 quarterly issued

Internet
www.osha.gov
www.fema.gov
www.usfa.fema.gov
www.nist.gov
www.cdc.gov/niosh

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Summary

In this module we discussed...

- **Types of Inspections,**
- **Purpose of Inspections,**
- **Applying the three 'E's of fire prevention,**
- **Inspection equipment and tools,**
- **Inspector health and safety**

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Next Lesson

Module 16

Practical Evolutions

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Homework Assignments

For next module as stated in the syllabus

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End of Module

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