



**East Rutherford Fire Prevention Bureau**

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**Fire Safety During Construction and Demolition**

**Scope:** The document shall apply to structures in the course of construction, alteration, or demolition, including underground locations. Compliance with Chapter 33 of the NJ IFC 2015 and NFPA 241 is required.

**Purpose:** This document, in addition to Chapter 33 of NJ IFC 2015 and NFPA 241, prescribes minimum safeguards and requirements for construction, alteration, and demolition operations to provide reasonable safety to life and property from fire during such operations.

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Name of Property \_\_\_\_\_

Property Address \_\_\_\_\_

Owner of Property \_\_\_\_\_ Email \_\_\_\_\_

**Job Site Superintendent**

Job Site Superintendent Name \_\_\_\_\_

Job Site Superintendent Phone Number \_\_\_\_\_ Email \_\_\_\_\_

**Emergency Contact**

Emergency Contact Name \_\_\_\_\_

Emergency Contact Phone Number \_\_\_\_\_ Email \_\_\_\_\_

**Fire Prevention Program Superintendent**

FPPS Name \_\_\_\_\_

FPPS Emergency Phone Number \_\_\_\_\_ Email \_\_\_\_\_

YOUR SIGNATURE BELOW INDICATES THAT YOU HAVE READ ALL THE PAGES OF 'THE FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION' DOCUMENT AND AGREE TO ITS TERMS, AND ALSO SERVES AS AN ACKNOWLEDGMENT THAT YOU HAVE RECEIVED 'THE FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION' DOCUMENT

Signed by Job Site Superintendent \_\_\_\_\_ Date \_\_\_\_\_

Signed by FPPS \_\_\_\_\_ Date \_\_\_\_\_

**Return to Fire Prevention Office**

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### **Job Site Superintendent**

Job Site Superintendent Name \_\_\_\_\_

Job Site Superintendent Phone Number \_\_\_\_\_ Email \_\_\_\_\_

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Signed by FPPS \_\_\_\_\_ Date \_\_\_\_\_

**Fire Safety Superintendent Copy**

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## **General Job Site Safety:**

1. Smoking shall be prohibited except in approved areas.
2. Combustible debris shall not accumulate within buildings. Combustible debris, rubbish and waste material shall be removed from building and deposited in an approved waste container(s) at the end of each shift of work.
3. Materials susceptible to spontaneous ignition, such as oily rags, shall be stored in a listed disposal container.
4. Required means of egress shall be maintained free of obstructions during construction and demolition, remodeling or alterations and additions to any building.
5. Required fire protection devices shall be maintained and serviced in accordance with Chapter 9 of the NJ IFC 2015. Planned and unplanned impairments to fire protection systems shall be promptly reported to the Plainsboro Fire Official.
6. Flammable and combustible liquids shall be used and stored in accordance with Chapter 57 of the NJ IFC 2015.
7. Flammable gases shall be used and stored in accordance with Chapter 58 of the NJ IFC 2015.

## **Fire Reporting:**

1. A readily accessible emergency telephone facility shall be provided in an approved location at the construction site. The street address of the construction site and the emergency telephone number of the fire department shall be posted adjacent to the telephone.

## **Required Permits:**

1. A Type I fire safety permit is required for storage of more than 10 gallons of flammable liquids inside a building and more than 60 gallons of flammable liquids outside of a building. More than 660 gallons of flammable liquids requires a Type IV fire safety permit.
2. A Type I fire safety permit is required for storage of more than 25 gallons of combustible liquids inside a building and more than 60 gallons of flammable liquids outside of a building. More than 660 gallons of flammable liquids requires a Type IV fire safety permit.
3. A Type I permit is required for hot work including cutting and/or welding.
4. A Type I permit is required for hot work that includes roof repair/installation with a torch.
5. A Type IV permit is required for storage of more than 660 gallons of flammable or combustible liquids.
6. A Type IV permit is required for storage of more than 55 gallons of corrosive liquids.

## **Temporary Heating Equipment:**

1. Temporary heating devices shall be listed and labeled in accordance with the mechanical subcode or fuelgas subcode of the UCC.

### **Temporary Wiring:**

1. Temporary wiring for electric power and lighting installations shall comply with the electrical subcode of the UCC.

### **Portable Fire Extinguishers:**

1. A fire extinguisher shall be provided at each stairway on all floor levels where combustible materials have accumulated, in every storage shed and in areas of special hazards such as the storage of flammable and combustible liquids.

### **Flammable and Combustible Liquid Storage Tanks:**

1. Provide a site plan detailing the location, quantity and capacity of storage tanks and other flammable/combustible liquid storage.
2. A fire extinguisher with a Class 4A:40BC or greater rating shall be provided within 25 feet of storage tanks.
3. Storage tank(s) shall be installed on a stable ground surface. Ground surfaces shall be able to withstand the imposed loads of such storage tanks.
4. Approved impact protection shall be provided for the storage tank(s).
5. Provide an NFPA 704 placard in the immediate area of the storage tank(s).
6. Storage tanks shall be of an approved type.
7. "No Smoking Signs" shall be posted on or near storage tanks.

### **Responsibilities of Fire Prevention Program Superintendent:**

1. Prefire Plan – The FPPS shall develop and maintain an approved prefire plan to assist the site personnel responding to a fire. Changes in building operations or equipment that could affect or change the fire department's ground attack of a fire must be reported.
2. Training – The FPPS is responsible for training the job site personnel in the proper use of hand-held fire extinguishers, hose lines, fire alarms and sprinkler systems.
3. Fire Protection Devices – The FPPS shall determine that all fire protection equipment is maintained and serviced during construction and demolition.
4. Hot Work Operations – The FPPS is responsible for supervising the permit system for hot work operations in accordance with Chapter 35 of the 2015 NJ IFC.
5. Temporary Covering of Fire Protection Devices – The FPPS shall supervise the covering and uncovering of fire protection equipment. Fire protection covers shall be removed at the end of every work day.

### **Hotwork:**

1. Welding, cutting, open torches and other hot work operations shall comply with Chapter 35 of the NJ IFC 2015.
2. Qualifications of Operators – Hot work operators shall be capable of performing such operations safely.
3. Records – The FPPS shall maintain pre-hot work checklist reports. The reports shall be maintained on the premises for a minimum of 48 hours after work is complete.
4. Signage – The FPPS shall provide signage that reads "CAUTION: HOT WORK IN PROGRESS STAY CLEAR"

5. Hot work shall not be conducted in areas where the sprinkler system is impaired.
  6. Fire watch shall be provided during hot work activities and shall continue for a minimum of 1 hour after the conclusion of hot work on roofs. Fire watch shall be provided during hot work activities for a minimum of 30 minutes for hot work other than hot work on roofs.
  7. A fire extinguisher with a minimum of 2A 20B:C shall be accessible and within 30 feet of the location where hot work is performed.
  8. A fire extinguisher with a minimum of 4-A rating, two portable fire extinguishers each with a minimum 2-A rating, or a water hose connected to the water supply on the premises is required where using a torch to remove paint or seal a membrane roof.
  9. A fire extinguisher with a minimum of 3A 40B:C rating shall be located on the roof being covered or repaired.
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## Daily Pre Hot Work Checklist

Before hot work is permitted and at least once per day while the permit is in effect, the area shall be inspected by the FPPS to ensure that it is a fire safe area.

FPPS Name \_\_\_\_\_

FPPS Signature \_\_\_\_\_ Date \_\_\_\_\_

- Hot work equipment is satisfactory operating condition and in good repair.
- Hot work site is clear of combustibles or combustibles are protected.
- Exposed construction materials are noncombustible or are protected.
- Openings in walls, ceilings, and floors are protected
- Floors are clean.
- No exposed combustibles are located on the opposite side of partitions, walls, ceilings or floors.
- A fire watches is assigned.
- Approved actions have been taken to prevent accidental activation of suppression and detection equipment.
- Fire extinguishers are operable and available.
- Proper hot work signage provided

The Fire Prevention Program Superintendent is responsible for maintaining this checklist on premises for a minimum of 48 hours.

