Note: The following is a SAMPLE checklist containing criteria that FDNY may inspect for during construction projects, including abatement projects.

FIRE SAFETY DURING CONSTRUCTION, ALTERATION, DEMOLITION, AND ABATEMENT

Name of Inspector: ______________________________

Building Name: ___________________________________

Owner/Contractor Name: ___________________________

Note: Abatement inspections should only be conducted from safe areas. Do not enter hazardous areas where active abatement procedures are in the process.

Work Permit and Signs:

A. Units shall ensure that the required written permit from the Department of Buildings (DOB) authorizing construction, demolition or alteration is present at the site. It shall be unlawful to construct, alter, repair, or demolish any building in the city until a written permit from the Commissioner of DOB has been issued.
   - [ ] Compliant  [ ] Non-Compliant  [ ] N/A  [ ] Not inspected – Abatement Area
   Action: If non-compliant forward A-8 Referral Report

B. Signs must be posted at site containing Name, Address, and Phone Number of General Contractor and Owner.
   - [ ] Compliant  [ ] Non-Compliant  [ ] N/A  [ ] Not inspected – Abatement Area
   Action: If non-compliant issue VO (FSC-1) or NOV (6)

Site Safety:

See the Construction Guides to determine when a Site Safety Manager/Coordinator and a Construction Site Fire Safety Manager is required, or call BISP Hotline.

Site Safety Manager/Coordinator and Construction Site Fire Safety Manager Name(s)

_____________________________________________________________________

A. The Site Safety Manager/Coordinator must be present at the site at all times during working hours. If the Site Safety Manager/Coordinator is not present, a certified alternate must be present in case of his/her absence and log entries made indicating same.
   - [ ] Compliant  [ ] Non-Compliant  [ ] N/A  [ ] Not inspected – Abatement Area
   Action: If non-compliant serve Immediate Summons, issue a VO (FSC-2) in addition to the summons, notify DOB to respond and issue an NOV (5) for no log book or no log book entries.
Note: The following is a SAMPLE checklist containing criteria that FDNY may inspect for during construction projects, including abatement projects.

B. When a Construction Site Fire Safety Manager is required, they shall conduct an inspection of the construction site and all fire safety measures on at least a daily basis, and maintain a record of same in a bound log book or other approved means.

- Compliant
- Non-Compliant
- N/A
- Not inspected – Abatement Area

Action: If non-compliant serve Immediate Summons, issue a VO (FSC-29), notify DOB to respond. Issue an NOV (5) for no log book or no log book entries.

NOTE: The owner shall designate a person to be the Construction Site Fire Safety Manager. It is possible that this person can also be the Site Safety Manager and Site Safety Coordinator.

C. A telephone not requiring a coin to operate, or other approved clearly identified means to notify the department, shall be provided at an approved location. The street address of the construction site and the emergency telephone number of the Fire Department shall be posted in a conspicuous area.

- Compliant
- Non-Compliant
- N/A
- Not inspected – Abatement Area

Action: If non-compliant issue VO (FSC-3)

D. Approved vehicle access for fire apparatus shall be provided at all construction sites. Vehicle access shall be provided to within 100 feet of temporary or permanent Fire Department connections.

- Compliant
- Non-Compliant
- N/A
- Not inspected – Abatement Area

Action: If non-compliant issue VO (M-3) or NOV (11)

Precautions against Fire:

A. Smoking shall be prohibited at all construction sites.

- Compliant
- Non-Compliant
- N/A
- Not inspected – Abatement Area

Action: If non-compliant serve Immediate Summons to person smoking. Also issue an NOV (Other FC/Rule Violation [FC 1404.1]) to the DOB Work Permit Holder or the owner of the building.

See Chapter 5, Reference # 12.1 for more information, if needed or call the BISP Hotline.

B. No Smoking Signs should be posted throughout the construction site.

- Compliant
- Non-Compliant
- N/A
- Not inspected – Abatement Area

Action: If non-compliant issue VO (GP-1) or NOV (6)

C. Combustible waste, including rubbish and construction and demolition material, shall not be accumulated within buildings and shall be removed from buildings at the end of each work shift, but at least once a day.

- Compliant
- Non-Compliant
- N/A
- Not inspected – Abatement Area

Action: If non-compliant issue VO (HK-1) (Comply Forthwith)
D. Combustible waste, including rubbish and construction and demolition material, shall be removed from the site or stored in noncombustible containers.

**NOTE:** Combustible waste material in excess of 15 cubic yards shall be removed daily from the site before the close of the day’s work, no exceptions.

☐ Compliant  ☐ Non-Compliant  ☐ N/A  ☐ Not inspected – Abatement Area

**Action:** If non-compliant issue VO (HK-1 waste removed from site forthwith) and/or VO (HK-6 for noncombustible container)

E. It shall be unlawful to ignite or maintain an open fire at a construction site.

☐ Compliant  ☐ Non-Compliant  ☐ N/A  ☐ Not inspected – Abatement Area

**Action:** If non-compliant serve Immediate Summons (FC 1404.3)

**Means of Egress and Elevators:**

A. All enclosed stairways and enclosed shafts (elevator, dumbwaiter etc.) shall be maintained enclosed on all floors except the uppermost floor being demolished.

☐ Compliant  ☐ Non-Compliant  ☐ N/A  ☐ Not inspected – Abatement Area

**Action:** If non-compliant issue VO (FSC -4)

B. At all times, there shall be safe access to and egress from every building and every floor in every building in course of construction or demolition by means of unobstructed hallways, stairways or ladder runs so enclosed or so located as to protect persons using them from falling materials.

☐ Compliant  ☐ Non-Compliant  ☐ N/A  ☐ Not inspected – Abatement Area

**Action:** If non-compliant issue VO (FSC -5 or 6) (Comply Forthwith)

C. If construction work reaches a height greater than 75 feet, at least one elevator or hoist shall be kept in readiness at all times for use by the Fire Department.

☐ Compliant  ☐ Non-Compliant  ☐ N/A  ☐ Not inspected – Abatement Area

**Action:** If non-compliant issue VO (FSC -8), request Battalion Chief to respond, and notify DOB for potential Stop Work Order (this order is issued by DOB)

**Water Supply for Fire Protection:**

A. Any water source intended for firefighting operations, including standpipe outlets, street hydrants and yard hydrants, shall not be used for construction, alteration or demolition purposes, unless approved, proof must be provided.

☐ Compliant  ☐ Non-Compliant  ☐ N/A  ☐ Not inspected – Abatement Area

**Action:** If non-compliant issue VO (FSC -7) (Comply Forthwith)
Note: The following is a SAMPLE checklist containing criteria that FDNY may inspect for during construction projects, including abatement projects.

B. **Standpipe systems** – Standpipes are required when in the course of construction or alteration the work reaches a height greater than 75 feet, the standpipe risers should be capped. The system can be dry if subject to freezing.

*NOTE: Concrete Construction:* Standpipe must be capped and maintained up to one floor below the stripping floor (3 floors below recently poured floor).

**Example:** Floor being poured (10th Floor) > Frame work (9th Floor) > Stripping floor (8th Floor) > Standpipe maintained Capped (7th Floor)

**Steel Construction:** Standpipe capped and maintained on floor below the walking floor. This could be considered tacked Q-Decking.

- Compliant
- Non-Compliant
- N/A
- Not inspected – Abatement Area

**Action:** If non-compliant issue VO (FSC -26), request Battalion Chief to respond, and notify DOB for potential Stop Work Order (this order is issued by DOB)

C. When **demolition** is started the standpipe risers should be capped on the floor immediately below where the work is being performed. The standpipe shall be maintained as a dry system until demolition is complete.

- Compliant
- Non-Compliant
- N/A
- Not inspected – Abatement Area

**Action:** If non-compliant issue VO (FSC -9), request Battalion Chief to respond, and notify DOB for potential Stop Work Order (this order is issued by DOB)

D. A metal sign reading “**STANDPIPE SIAMESE CONNECTION**” must be present at the Siamese connection for the standpipe, with a red light over the sign. The red light must be lit at night.

- Compliant
- Non-Compliant
- N/A
- Not inspected – Abatement Area

**Action:** If non-compliant issue VO (FSC -10) or NOV (6) for no sign, VO (FSC-10A) or NOV (27) for no light

*NOTE: Fire Units should pay particular attention to the condition of piping in below grade areas, section valves on each floor, and the riser in general.*

E. All exposed standpipe and sprinkler piping, except branch piping, must be painted red. Dedicated standpipe valve handles must be painted red. Combination standpipe valve handles must be painted yellow. Dedicated sprinkler valve handles must be painted green.

- Compliant
- Non-Compliant
- N/A
- Not inspected – Abatement Area

**Action:** If non-compliant issue NOV (12), See Chapter 5, Reference 1.10 for additional requirements
F. **Sprinkler systems** – In structures undergoing **demolition** that have **existing sprinkler systems** with Siamese connections, such systems shall be maintained as a non-automatic sprinkler system.

**NOTE:** Existing systems are any systems with a Siamese; because a Siamese is required when any fire area requires more than 36 heads. Partial systems are not required to be maintained during demolition. Partial systems will not have a Siamese. See Chapter 5, Reference #1.2 & #1.4 for additional information.

- [ ] Compliant
- [ ] Non-Compliant
- [ ] N/A
- [ ] Not inspected – Abatement Area

**Action:** If non-compliant issue VO (FSC-11), request Battalion Chief to respond, and notify DOB for potential Stop Work Order (this order is issued by DOB)

G. When demolition starts, the sprinkler risers shall be capped immediately below the floor being demolished to maintain the sprinkler system on all lower floors for Fire Department use until demolition is complete.

- [ ] Compliant
- [ ] Non-Compliant
- [ ] N/A
- [ ] Not inspected – Abatement Area

**Action:** If non-compliant issue VO (FSC-9)

H. A metal sign must be present at the Siamese connection for the sprinkler system reading “**SPRINKLER SIAMESE CONNECTION**” with a **red light** over the sign. The red light must be lit at night.

- [ ] Compliant
- [ ] Non-Compliant
- [ ] N/A
- [ ] Not inspected – Abatement Area

**Action:** If non-compliant issue VO (FSC-12) or NOV (6) for no sign, VO (FSC-12A) or NOV (27) for no light

**NOTE:** List the name of the Site Safety Manager/Coordinator or responsible person on site (owner, general contractor, construction foreman) that confirmed the standpipe and/or sprinkler system is in service

Name/Title: _________________________________

I. **Portable Fire Extinguishers** – Buildings or structures under construction, alteration or demolition shall be provided with not less than one approved portable fire extinguisher and sized for not less than ordinary hazard as follows:

- At each stairway on all floor levels where combustible materials are being stored or combustible waste is being generated.
- At the entrance of each storage and construction shed.
- Additional portable fire extinguishers shall be provided where flammable and combustible liquids are stored, handled and used.

If fire extinguishers are provided they should be **serviced annually** and have a current service tag attached.

- [ ] Compliant
- [ ] Non-Compliant
- [ ] N/A
- [ ] Not inspected – Abatement Area

**Action:** If non-compliant issue VO (FE-1) to provide extinguisher or VO (FE-11) to service extinguisher or NOV (1) for either situation
Note: The following is a SAMPLE checklist containing criteria that FDNY may inspect for during construction projects, including abatement projects.

**NOTE:** For ordinary hazards (combustible materials such as wood, cloth, paper, rubber, and many plastics) one 2A extinguisher is required in the above locations. One 2A extinguisher can cover a maximum floor area of 1,500 square feet. 2A = one 2.5 gallon water extinguisher, the 2A should be indicated on the extinguisher label.

**Fire Guards for Torch Operations:**

A. A fire guard with a **Certificate of Fitness** is required to monitor all torch operations. The fire guard must pay particular attention to the sparks generated when the torch is in use.
   - At least one fire guard is required for each torch operator and an additional fire guard shall be provided on the floor below the torch operation.
   - The fire guard must be equipped with sufficient fire extinguishing devices; e.g., portable water extinguishers with at least a 2-A: 20-B:C rating or charged water lines that are/is readily available to the fire guard within 30 feet.
   - Torches shall not be used within 35 feet of combustibles or floor openings unless a shield has been erected around the work area to prevent stray sparks from causing a fire.

   ![Compliant](Compliant) ![Non-Compliant](Non-Compliant) ![N/A](N/A) ![Not inspected – Abatement Area](Not inspected)

   **Action:** VO (FSC-22 or 23) for no Fire guard, VO (FSC-21) failure to maintain 35 feet, VO (FE-1) or NOV (1) for extinguisher

**Heating Devices used for Curing and Drying:**

A. It shall be unlawful at a construction site to store, handle or use portable fueled heating devices or equipment:
   - For purposes of human comfort or any other purpose other than construction-related curing and drying.
   - Utilizing a flammable liquid as a fuel (e.g. Gasoline)

   **NOTE:** LPG and Natural Gas are gases and Kerosene is a combustible liquid due to its flash point. That is why these are acceptable as fuels for heating devices.

   ![Compliant](Compliant) ![Non-Compliant](Non-Compliant) ![N/A](N/A) ![Not inspected – Abatement Area](Not inspected)

   **Action:** VO (FSC-14) (Comply Forthwith)

B. The handling and use of portable fueled space heaters shall be under the personal supervision of a person holding a **Certificate of Fitness**. The storage of portable fueled space heaters and the fuel therefore, shall be under the general supervision of a **Certificate of Fitness** holder.

   ![Compliant](Compliant) ![Non-Compliant](Non-Compliant) ![N/A](N/A) ![Not inspected – Abatement Area](Not inspected)

   **Action:** VO (C-21) or NOV (17) for handling and use, VO (C-22) or NOV (17) for storage

   **NOTE:** Personal supervision = must be on site at all times when heaters are being handled or used.

   **General supervision** = not required to be on site at all times.
Note: The following is a SAMPLE checklist containing criteria that FDNY may inspect for during construction projects, including abatement projects.

Flammable Gases and Liquids:

A. For information on Flammable gases and liquids refer to either the BISP hotline or the appropriate Construction guide.