



Fire Prevention Planning Checklist for Construction, Renovation, or Demolition Projects



Designers and contractors working on new construction, renovations or demolition projects in the City of Duluth are familiar with the Minnesota State Fire Code and NFPA 241, NFPA 72, NFPA 70, and NFPA 3.

A Fire Prevention Plan, as outlined below will need to be submitted by contractor/designer to the City of Duluth along with the intended scope of work. This plan is to be submitted with the permit application.

Please attach.

Fire Alarm Systems

Review existing fire alarm system and document impact to smoke detectors, heat detectors, water flow switches for the sprinkler system, valve tamper switches, pull stations, and all notification devices (horns/strobes/speakers).

List the type and location of any devices that are not in operation.

Describe "minimal level" of detection: Pull stations at both primary and secondary egress points and notification devices in the work zone.

Describe process for temporarily bagging of any of the smoke detectors in and adjacent to the work zone.

Confirm the removal of any devices on the fire alarm system has not affected adjacent areas and proper operation of the fire alarm system.

Describe the coordination of any needed fire alarm panel programming changes.

Describe when and how a fire watch will be established, as applicable.

Fire Protection Systems

Review the existing fire protection systems and document the impact to sprinkler systems, standpipe systems, and fire pumps (including the controller and back-up emergency generators).

Verify portions of the sprinkler system are operational within the work zone.

List the location of any areas where the sprinklers will or have been removed for service. For these areas describe the following:

*Temporary smoke detection as programmed into the fire alarm panel.

*Temporary smoke detectors in and adjacent to the work zone: bagged and the bags removed at the end of each shift.

*When and how a fire watch has been established.

NFPA 241 9.8.2 System Operation: Where a building is equipped with sprinklers, the sprinkler protection shall be retained in service as long as the condition requiring the use of sprinklers exist.

NFPA 241 9.8.3.2 Sprinkler Control Valves: Where the sprinkler protection is regularly turned off and on to facilitate removal and capping of segments, the sprinkler control valves shall be checked at the end of each work shift to ascertain that protection is in service.

NFPA 241 9.8.4 Standpipes: Standpipes shall be maintained in conformity with the progress of demolition activity in such a manner that they are always ready for fire department use.

NFPA 241 Fire Protection: Approved fire protection shall be provided.

NFPA 241 4.1.5.2 Inspection records shall be available for review by the AHJ.

NFPA 241 Fire Protection systems shall be supervised and monitored in accordance with Section 4.9

Other Precautions

List the designee or Program Superintendent responsible to implement and supervise the Plan.

Provide the total square footage of the work area.

Describe the installation of any new equipment, suspended ceilings, walls, cabinets, shelving, signs/displays or other items that may obstruct existing sprinkler heads, fire alarm initiating and/or notification devices, fire hose cabinets, fire extinguishers, or Exit signs.

Describe coordination with the Project Manager of all scheduled or emergency outages to the fire alarm and fire protection systems.

Describe any removal or addition of fire alarm initiating and detection devices and fire protection components.

Fire Department Access

Describe any alterations to Fire Department access patterns.

Describe any alterations to the building's Fire Department connections.

Describe any alterations in access to fire hydrants and the building's Fire Department connection.

Describe the unobstructed path from the exterior through the interior of the building to the work zone to be maintained for fire fighter access.

Means of Egress

Describe the two means of egress maintained from the work zone. If only one means of egress can be provided, this will require the approval of the fire marshal.

For the occupied areas of the building, describe any impacts to existing egress paths.

Provide a plan for any necessary revision to EXIT signage or egress.

New Building Construction or Demolition

Describe any of the following items that may be applicable to the project that require AHJ approval.

- *Installation or modification to any required standpipe systems.
- *Location of the Fire Department Connection (permanent or temporary)
- *Protection of adjoining property
- *Provision of temporary or permanent water supply

If you have any questions or need any additional information, please feel free to contact the Life Safety Office at: 218-730-4380.