Water-Based Fire Suppression System Permit Application Checklist

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 10/07/13

All of the following information is required and must be submitted. Checking off each item as you prepare your application package will ensure your package is complete and will help to expedite the permitting process.

Complete and submit the following for all systems:

- [ ] Vectored pdf plans and documents included (same as submitted to the State Fire Marshal where applic)*
- [ ] Sprinkler installation costs: $ 13,570.00 DONE AS A "NOT TO EXCEED" (COULD BE LESS)
- [ ] State Sprinkler license number: 259
- [ ] State Sprinkler Permit / log number: 2131337
- [ ] Life Safety Code Occupancy Classification: OFFICE (LIGHT HAZ) STORAGE (ORDINARY HAZ)
- [ ] Is this new work or a renovation to an existing system? RENOVATION
- [ ] Will the system be a combination sprinkler and standpipe system? NO
- [ ] The water supply is: ☑ Municipal ☐ Pump and tank ☐ Other: _____
- [ ] A copy of the state sprinkler permit with RMS sign off is required prior to the final inspection RENOVATION
- [ ] Design complies with City Code Ch. 10 and Fire Department Regulations Ch 6: _____

The following checks lists are to be completed as applicable:

NFPA 13D sprinkler check list (Rooming and Lodging & Small Residential Board and Care only)

- [ ] Is this check list applicable? _____
- [ ] What edition of NFPA 13D is the designed to? _____
- [ ] Is the building part of a mixed occupancy? _____
- [ ] Will all habitable areas and closets be sprinklered? _____ N/A
- [ ] Will the entrance foyers be sprinklered? _____
- [ ] Is this a multipurpose piping system? _____
- [ ] Does the system use pex piping? _____
- [ ] Will the water supply meet the requirements for a two-family dwelling? _____
- [ ] Will water flow activate the fire alarm system? _____
- [ ] Will the valves be electrically supervised? _____
- [ ] A city plumbing permit has been pulled: _____

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NFPA 13R sprinkler check list

- [ ] Is this check list applicable? _____ N/A
- [ ] What edition of NFPA 13R is the designed to? _____
- [ ] Building construction type: _____
- [ ] Will the sprinkler system provide complete or partial coverage of the building? _____
- [ ] Will covered exterior balconies, decks and ground floor patios be sprinklered? _____
- [ ] Size of riser assembly: _____
- [ ] Fire department connection- number of 2 ½" inlets: _____
- [ ] Electrical supervision will be provided via the fire alarm system per NFPA 101:9.7.2: _____
- [ ] Is the nearest fire hydrant within 100 ft. of the FDC? _____
- [ ] The completed *Contractor's Material and Test Certificate for Aboveground Piping* shall be provided at the completion of the job? _____

NFPA 13 sprinkler check list

- [ ] Is this check list applicable? YES
- [ ] What edition of NFPA 13 is the designed to? 2010
- [ ] Building construction type: Bar Joist - Metal Roof Deck Non-Combustible
- [ ] Will the sprinkler system provide complete or partial coverage of the building? complete in Area of work
- [ ] System type (See NFPA 13:3.4): WET
- [ ] NFPA 13 Occupancy Classification (Hazard): OFFICE AREA (Light) STORAGE (Ordinary)
- [ ] Is the structure high-rise (see NFPA 101:3.3.32.7)? NO
- [ ] Size of riser assembly: 8" EXISTING
- [ ] Fire department connection- number of 2 ½" inlets: 2
- [ ] Electrical supervision will be provided via the fire alarm system per NFPA 101:9.7.2: EXISTING
- [ ] Is the nearest fire hydrant within 100 ft. of the FDC? ? EXISTING
- [ ] The completed *Contractor's Material and Test Certificate for Aboveground Piping* shall be provided at the completion of the job? NO EXISTING

NFPA 14 standpipe check list

- [ ] Is this check list applicable? NO
- [ ] What edition of NFPA 14 is the designed to? _____

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- [ ] What class of standpipe is this? _____
- [ ] Is the system automatic or manual? _____ N/A
- [ ] Is the system wet or dry (see NFPA 14:5.4.1.4)? _____
- [ ] Is the structure high-rise (see NFPA 101:3.3.32.7)? _____
- [ ] What is the minimum residual pressure for the most remote hose connection (see NFPA 14:7.8.1 and 7.8.2)? _____
- [ ] What is the maximum static pressure at hose connections (see NFPA 14:7.8.3)? _____
- [ ] Are floor control valve assemblies provided (see NFPA 14:6.3.5)? _____
- [ ] Number of standpipes (see NFPA 14:3.3.11): _____
- [ ] Minimum required flow rate (see NFPA 14:7.10): _____
- [ ] Fire department connection- number of 2 ½" inlets (see NFPA 14:7.12.3): _____
- [ ] What is the pressure required at the FDC inlets to deliver the system demand (see NFPA 14:6.4.5.2.2): _____
- [ ] Is the nearest fire hydrant within 100 ft. of the FDC (see NFPA 14:6.4.5.4)? _____
- [ ] The completed *Standpipe Contractor's Material and Test Certificate for Aboveground Piping* and *Undergrounding Piping* as applicable shall be provided at the completion of the job (see NFPA 14:11.1.3): _____

NFPA 20 fire pump check list (not required for NFPA 13D systems)

- [ ] Is this check list applicable? _____ no
- [ ] What edition of NFPA 20 is the designed to? _____
- [ ] What is the water source? _____ N/A
- [ ] Is the pump and associated equipment listed for fire service? _____
- [ ] What is the minimum required flow rate? _____
- [ ] What is the pump driver type? _____
- [ ] Is the pump design less than 7 hp? _____
- [ ] If less than 7 hp does the pump have a general listing and has its use been approved by the State Fire Marshal's Office? _____
- [ ] Will the equipment be protected in accordance with NFPA 14:5.12? _____
- [ ] Is the pump installed at least 50 ft. from the protected premises? _____
- [ ] If not what is the fire resistance separation provided (see NFPA 14:5.12.1.1)? _____

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NFPA 24 private fire mains and hydrants check list

☐ Is this check list applicable? _____

☐ All information shall be provided per NFPA 24:4.1.3 prior to construction? _____ Date: 10/07/13

☐ Design/installation shall comply with City Code Ch. 10 and Fire Department Regulations Ch 2: _____

☐ What is the minimum fire main size serving a fire hydrant? _____

☐ What is the minimum fire main size not serving a fire hydrant? _____

☐ What is the minimum fire flow available from the water supply? _____

☐ If the water supply is stored water, what is the quantity available? _____

☐ The completed *Contractor's Material and Test Certificate for Underground Piping* shall be provided at the completion of the job? _____

☐ The completed *City of Portland Test and Maintenance Report* and *Hydrant Flow Test Report* shall be provided at the completion of the job? _____

*** See Applicant Submittal Requirements for Electronic Plan Review.**

Separate permits are required for internal and external plumbing, & electrical installations.

For questions on Fire Department requirements call the Fire Prevention Officer at (207) 874-8405.

Please submit all of the information outlined in this application checklist. If the application is incomplete, the application may be refused.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at www.portlandmaine.gov, or stop by the Inspections Division office, room 315 City Hall or call 874-8703.

This is not a Permit; you may not commence any work until the Permit is issued.

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