Portland, Maine | Yes. Life's good here.

Permitting and Inspections Department
Michael A. Russell, MS, Director

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 10/25/17

Water-Based Fire Suppression System Permit Application

A permit is required for water-based fire suppression systems. Full-sized plans and details in PDF format and this application form shall be submitted to permitting@portlandmaine.gov. Prior to acceptance of any fire protection system, a complete commissioning and acceptance test must be coordinated with all fire system contractors and the Fire Department, and proper documentation of such test(s) provided.

Construction Address: 1945 Congress Street

Tax Assessor's CBL: _____ _____ _____ (Chart # / Block # / Lot #) **Sprinkler installation cost:** $17,842.00

State Sprinkler License No.: FSC511 **State Sprinkler Permit/Log No.:** Assembly

Life Safety Code Occupancy Classification: Assembly

Applicant Name: Residential Fire Protection

Address: 64 Daggett Hill Road

City, State & Zip: Greene, Me. 04236

Phone: (207) 946-3473 **Email:** scamic@rfpllc.net

Lessee/Owner Name (if different from applicant):

Address:

City, State & Zip:

Phone: **Email:**

Contractor Name (if different from applicant):

Address:

City, State & Zip:

Phone: **Email:**

The suppression work to be done will be: ○ New ◉ Renovation ○ Addition to existing system

Will the system be a combination sprinkler and standpipe system?

The water supply is: ◉ Municipal ○ Pump and tank ○ Other

Name of person to contact when permit is ready: Stan Camic

Address: 64 Daggett Hill Road

City, State & Zip: Greene, Me. 04236

Phone: 207-946-3473 **Email:** scamic@rfpllc.net

Permits for water-based fire suppression systems are subject to the following:

- A copy of the state sprinkler permit with RMS sign-off is required prior to the final inspection.
- The design shall comply with City Code Chapter 10 and Fire Department Regulations Chapter 6.
- All installations must comply with NFPA and the Fire Department Technical Standards.

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The following checklists are to be completed, as applicable:

☐ **NFPA 13D sprinkler** (Rooming and Lodging and Small Residential Board and Care only)

What edition of NFPA 13D is system designed to?
Is the building part of a mixed occupancy?
Will all the habitable areas and closets be sprinklered?
Will the entrance foyers be sprinklered?
Is there a multipurpose room?
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?
Has a city plumbing permit been issued? Permit No.:

☐ **NFPA 13R sprinkler**

What edition of NFPA 13R is the system 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 feet 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**

What edition of NFPA 13 is the system designed to? 2016
Building construction type: Existing steel beam and joist structure
Will the sprinkler system provide complete or partial coverage of the building? Complete
System type (see NFPA 13:3.4): Wet
NFPA 13 Occupancy Classification (Hazard): Light, Ordinary Group I
Is the structure high-rise (see NFPA 101:3.3.32.7): No
Size or rise assembly: 4"
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: Yes
Is the nearest fire hydrant within 100 feet of the FDC? No
The completed *Contractor's Material and Test Certificate for Aboveground Piping* shall be provided at the completion of the job: Yes

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☐ **NFPA 14 standpipe**

What edition of NFPA 14 is the system designed to?

Class of standpipe:

Is the system automatic or manual?

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)?

Minimum residual pressure for the most remote hose connection (see NFPA 14:7.8.1 and 7.8.1):

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):

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 feet of the FDC (see NFPA 14:6.4.5.4)?

The completed *Contractor's Material and Test Certificate for Aboveground Piping* shall be provided at the completion of the job:

☐ **NFPA 20 fire pump** (not required for NFPA 13D systems)

What edition of NFPA 20 is the system design to?

What is the water source?

Is the pump and associated equipment listed for fire service?

What is the minimum 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 feet from the protected premises?

If not, what is the fire resistance separation provided (see NFPA 14:5.12.1.1)?

☐ **NFPA 24 private fire mains and hydrants**

All information shall be provided per NFPA 24:4.1.3 prior to construction:

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 flow available from the water supply?

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:

Separate permits are required for internal and external plumbing and electrical installations. For questions on Fire Department requirements, call the Fire Prevention Officer at (207) 874-8405.

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Requirements for Electronic Submissions

In order to ensure a timely review of the application, please read and follow the requirements below for all electronic submissions:

- **Drawings sheets shall be submitted individually-- each PDF file shall contain no more than one drawing sheet.** Only PDF files are acceptable for plan review, and each file shall not exceed 5MB in size.

- **Drawing files shall be named based on the drawing sheet number and name.** It is recommended to include a Category/Discipline letter (such as A for Architectural), a sheet number and a descriptive title (e.g., A1 Existing Exterior Elevation).

- **Revised file submissions must use the exact same file name as originally submitted.** The Electronic Plan Review software will recognize this submission as Version 2.
- **Supporting documents shall be submitted as an individual PDF file for each document (these documents may be multi-page PDF files) and named based on the document type** (e.g., "Deed", "Stormwater Report", "Permit Application", etc.). Searchable PDF files are requested for calculations, reports and other supporting documents.

- **A graphic scale or a scale to reference shall be included on each drawing sheet.**

- **Plans prepared by a design professional shall include a Code Analysis sheet,** referencing the Maine Uniform Building and Energy Code and Portland City Code, Chapter 10 – Fire Prevention and Protection, which includes NFPA 1, Fire Code and NFPA 101, Life Safety Code. Chapter 10 of the City Code can be viewed at: http://www.portlandmaine.gov/citycode/chapter010.pdf.

- **Files shall be submitted via email to permitting@portlandmaine.gov. The email subject line shall include the project address and type of permit.** Multiple emails may be sent for one project if the files exceed the maximum file size.

- **Submissions should include all required documents and drawings as listed on the appropriate Submission Checklist sheet specific to the type of work being performed.**

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Electronic Signature and Fee Payment Confirmation

This is a legal document and your electronic signature is considered a legal signature per Maine state law. You will receive an e-mailed invoice from our office which signifies that your electronic permit application has been received and is ready for payment. Please pay by one of the following:

- Electronic check or credit card: portlandmaine.gov/payyourpermit
- Over the phone at (207) 874-8703
- Drop off to Room 315, City Hall
- Mail to:

City of Portland
Permitting and Inspections Department
389 Congress Street, Room 315
Portland, Maine 04101

By signing below, I understand the review process starts once my payment has been received. After all approvals have been completed, my permit will be issued via e-mail. Work may not commence until permit is issued.

Applicant Signature: _____ Date: 8-16-17

I have provided electronic copies and sent them on: Date: 8-16-17

NOTE: All electronic paperwork must be delivered to permitting@portlandmaine.gov or with a thumb drive to the office.

If you or the property owner owes taxes or user charges on property within the City, payment arrangements must be made before a permit application is accepted.