



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

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: 62 INDIA ST. PROTLAND, ME.

Tax Assessor's CBL: 028 P00 8001 Sprinkler installation cost: 107,300

Chart # Block # Lot #

State Sprinkler License No.: FSP13203 State Sprinkler Permit/Log No.: 1827776-1959154

Life Safety Code Occupancy Classification:

Applicant Name: EASTERN FIRE

Address: 170 KITTYHAWK AVE.

City, State & Zip: AUBURN, ME., 04211

Phone: (207)784-1507

Email: MELANSONEW@EASTERNFIREGROUP.COM

Lessee/Owner Name (if different from applicant): LANDRY/FRENCH CONSTRUCTION COMPANY

Address: 160 PLEASANT HILL ROAD

City, State & Zip: SCARBOROUGH, ME.

Phone: (207)730-5566

Email: GMITCHELL@LANDRYFRENCHCONSTRUCTION.COM

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: BOB TAYLOR

Address: 170 KITTYHAWK AVE.

City, State & Zip: AUBURN, ME. 04211

Phone: (207)784-1507

Email: TAYLORRA@EASTERNFIREGROUP.COM

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: STEELWOOD

Will the sprinkler system provide complete or partial coverage of the building? COMPLETE

System type (see NFPA 13:3.4): WET/DRY SPRINKLER SYSTEM

NFPA 13 Occupancy Classification (Hazard): LIGHT HAZARD/ORDINARY HAZARD I

Is the structure high-rise (see NFPA 101:3.3.32.7): NO

Size or rise assembly: 4" RISER

Fire department connection – number of 2 ½" inlets: 3

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? YES

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? 2016

Class of standpipe: 1

Is the system automatic or manual? MANUAL

Is the system wet or dry (see NFPA 14:5.4.1.4)? WET

Is the structure high-rise (see NFPA 101:3.3.32.7)? NO

Minimum residual pressure for the most remote hose connection (see NFPA 14:7.8.1 and 7.8.1): 100

Maximum static pressure at hose connections (see NFPA 14:7.8.3): 160

Are floor control valve assemblies provided (see NFPA 14:6.3.5)? YES

Number of standpipes (see NFPA 14:3.3.11): 2

Minimum required flow rate (see NFPA 14:7.10): 750GPM

Fire department connection – number of 2 ½” inlets (see NFPA 14:7.12.3): 3

Pressure required at the FDC inlets to deliver the system demand (see NFPA 14:6.4.5.2.2): 160

Is the nearest fire hydrant within 100 feet of the FDC (see NFPA 14:6.4.5.4)? YES

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

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: Sign Here  Date: 6/26/17

I have provided electronic copies and sent them on: Date: 6/26/17

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.