

CITY OF PORTLAND WASTEWATER CAPACITY APPLICATION

Department of Public Services,
55 Portland Street,
Portland, Maine 04101-2991



Mr. Frank J. Brancely,
Senior Engineering Technician,
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Date: October 29, 2013

1. Please, Submit Utility, Site, and Locus Plans.

Site Address: 46 Market Street

Chart Block Lot Number: 032/ E010/ 001

Proposed Use: 2nd Flr: Residential / 3rd Flr: Residential

Previous Use: 2nd Flr: Office / 3rd Flr: Residential

Existing Sanitary Flows: 560 ± GPD

Existing Process Flows: _____ GPD

Description and location of City sewer that is to receive the proposed building sewer lateral.

Site Category

Commercial (see part 4 below)	<input type="checkbox"/>
Industrial (complete part 5 below)	<input type="checkbox"/>
Governmental	<input type="checkbox"/>
Residential	<input checked="" type="checkbox"/>
Other (specify)	<input type="checkbox"/>

(Clearly, indicate the proposed connections, on the submitted plans)

2. Please, Submit Contact Information.

City Planner's Name: _____ Phone: _____

Owner/Developer Name: Tom Watson - Market Milk Partners, LLC. (dba Port Property Management)

Owner/Developer Address: 104 Grant Street, Portland, Maine 04101

Phone: 207.771.2883 Fax: 207.252.0358 (mobile) E-mail: tom@portpropmgt.com

Engineering Consultant Name: ALBERT FRICK ASSOC. (JAMES LOGAN)

Engineering Consultant Address: 95A COUNTY ROAD GORHAM, ME 04038

Phone: 839-5563 Fax: 839-5564 E-mail: james@albertfrick.com

(Note: Consultants and Developers should allow +/- 15 days, for capacity status, prior to Planning Board Review)

3. Please, Submit Domestic Wastewater Design Flow Calculations.

Estimated Domestic Wastewater Flow Generated: 600± GPD

Peaking Factor/ Peak Times: _____

Specify the source of design guidelines: (i.e. "Handbook of Subsurface Wastewater Disposal in Maine," "Plumbers and Pipe Fitters Calculation Manual," Portland Water District Records, Other (specify)

(Note: Please submit calculations showing the derivation of your design flows, either on the following page, in the space provided, or attached, as a separate sheet)

4. Please, Submit External Grease Interceptor Calculations.

N/A

Total Drainage Fixture Unit (DFU) Values: _____

Size of External Grease Interceptor: _____

Retention Time: _____

Peaking Factor/ Peak Times: _____

(Note: In determining your restaurant process water flows, and the size of your external grease interceptor, please use The Uniform Plumbing Code. Note: In determining the retention time, sixty (60) minutes is the minimum retention time. Note: Please submit detailed calculations showing the derivation of your restaurant process water design flows, and please submit detailed calculations showing the derivation of the size of your external grease interceptor, either in the space provided below, or attached, as a separate sheet)

5. Please, Submit Industrial Process Wastewater Flow Calculations

N/A

Estimated Industrial Process Wastewater Flows Generated: _____ GPD

Do you currently hold Federal or State discharge permits? Yes _____ No _____

Is the process wastewater termed categorical under CFR 40? Yes _____ No _____

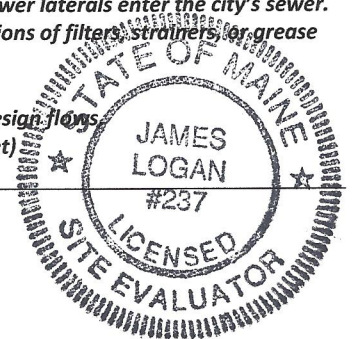
OSHA Standard Industrial Code (SIC): _____

<http://www.osha.gov/oshstats/sicser.html>

Peaking Factor/Peak Process Times: _____

(Note: On the submitted plans, please show where the building's domestic sanitary sewer laterals, as well as the building's industrial-commercial process wastewater sewer laterals exits the facility. Also, show where these building sewer laterals enter the city's sewer. Finally, show the location of the wet wells, control manholes, or other access points; and, the locations of filters, strainers, or grease traps)

(Note: Please submit detailed calculations showing the derivation of your design flows either in the space provided below, or attached, as a separate sheet)



Notes, Comments or Calculation

EXISTING USES:

SECOND FLOOR OFFICES 19 EMPLOYEES TOTAL
w/ bathrooms w/ showers @ 20 GPD/employee

$$19 \times 20 = 380 \text{ gpd}$$

THIRD FLOOR

(1) 2 BEDROOM UNIT (RESIDENTIAL) @ 180 gpd

$$380 + 180 = 560 \text{ gpd total existing use}$$

PROPOSED USE: SECOND FLOOR

3 RESIDENTIAL UNITS (1 BEDROOM EACH)

$$@ 120 \text{ gpd/ea} = 3 \times 120 = 360 \text{ gpd}$$

THIRD FLOOR

2 RESIDENTIAL UNITS @ 1 BEDROOM EA,

$$2 \times 120 \text{ gpd} = 240 \text{ gpd}$$

$$360 + 240 = 600 \text{ gpd total estimate flow}$$