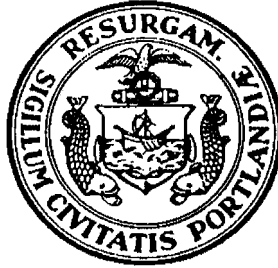


## **Waste Water Capacity Application**

# CITY OF PORTLAND WASTEWATER CAPACITY APPLICATION

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



Mr. Frank J. Brancely,  
Senior Engineering Technician  
Phone #: (207) 874-8832,  
Fax #: (207) 874-8852,  
E-  
mail: fjb@portlandmaine.gov

Date: 3/17/14

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

Site Address: 97 Cumberland Ave

*(Regarding addressing, please contact Leslie Kaynor, either at 756-8346, or at LMK@portlandmaine.gov)*

Chart Block Lot Number: \_\_\_\_\_

Proposed Use: 5-Unit Residential Building

Previous Use: Single Family -7 bedroom

Existing Sanitary Flows: 270 to 360 gpd

Existing Process Flows: None

Description and location of City sewer, at  
proposed building sewer lateral connection:

See previously attached plans

Site Category	Commercial	_____
	Industrial <i>(complete part 4 below)</i>	_____
	Governmental	_____
	Residential	<u>X</u>
	Other <i>(specify)</i>	_____

*Clearly, indicate the proposed connection, on the submitted plans.*

## 2. Please, Submit Domestic Wastewater Design Flow Calculations.

Estimated Domestic Wastewater Flow Generated: 5-units with total 7 bedrooms 630 GPD

Peaking Factor/ Peak Times: Peaking Factor 7 assume 6-8:30am and 5-9:00pm

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.**

## 3. Please, Submit Contact Information.

Owner/Developer Name: Mr. Peter Dugus

Owner/Developer Address: 243 State Street

Phone: 207-899-2409 Fax: \_\_\_\_\_ E-mail: dugas3@gmail.com

Engineering Consultant Name: Sebago Technics, Inc.

Engineering Consultant Address: Suite 1A 75 John Roberts Rd. South Portland

Phone: 200-2064 Fax: 856-2206 E-mail: \_\_\_\_\_

City Planner's Name: Barbara Barhydt Phone: 207 874 8699

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

**4. Please, Submit Industrial Process Wastewater Flow Calculations**

Estimated Industrial Process Wastewater Flows Generated:   N/A   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 the locations, where the building's sanitary, and process water sewer laterals, exit the facility, where they enter the city's sewer, the location of any control manholes, wet wells, or other access points, and the locations of any filters, strainers, or grease traps.**

**Notes, Comments, or Calculations:**

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Daily Flow Rate:

$$90\text{gpd} \times 7 \text{ bedroom} = 630\text{gpd}$$

Peak Flow Rate:

$$630 / (24\text{hrs} \times 60\text{m}) = 0.44\text{gpm} \times 7(\text{peaking factor}) = 3.1\text{gpm}$$