CITY OF PORTLAND WASTEWATER CAPACITY APPLICATION

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

Date: 10/10/2017



Bradley Roland, P.E. Water Resources Division

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

Site Address:	24 St. Lawrence Street			
				Chart Block Lot Number: 16-J-006
Proposed Use:	Residential			
Previous Use:	Residential			Commercial (see part 4 below)
Existing Sanitary	/ Flows:	630	GPD	$\overline{\mathfrak{S}}_{0}$ Industrial (complete part 5 below)
Existing Process	Flows:	0	GPD	e Governmental
Description and	location of Ci	ty sewer	that is to	\mathcal{O} Residential
receive the propo	osed building	sewer lat	teral.	$\frac{3}{50}$ Other (specify)
18" Brick com	bined sewer	within S	St.	
Lawrence to b	e tapped inte	o with 6	" sanitary	
lateral and 8"	storm drain	as seen	on C-20	
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Clearly, indicate the proposed connections, on the submitted plans.

2. Please, Submit Contact Information.

City Planner's Name: TBD					
Owner/Developer Name:		HR Property Management			
Owner/Developer Address:		192 State Street, Portland, ME 04101			
Phone: (207) 671-1193	Fax:	N/A	E-mail:	will@hrpmanagement.com	
Engineering Consultant Name:		Acorn Engineering, Inc			
Engineering Consultant Address:		P.O. Box 3372, Portland, ME 04104			
Phone: (207) 775-2655	Fax:	N/A	E-mail:	wsavage@acorn-engineering.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:
 990 GPD

 Peaking Factor/ Peak Times:
 Diurnal Flow pattern

 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)
 State of Maine Subsurface Wastewater Disposal Rules, Effective 8/13/15

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.

Total Drainage Fixture Unit (DFU) Values:	N/A
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

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/c	shstats/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, or attached, as a separate sheet.

<u>Calculation of Wastewater Flowrate for 24 St. Lawrence</u> <u>Street Redevelopment</u>

The proposed development will include 5 dwelling units. Based upon the Section 4 of the Maine Subsurface Wastewater Disposal Rules, the project anticipates the following daily flows:

Estimate of Anticipated Daily Flows						
Development	Unit Size Number of Gallons per Day		Total Gallons			
	Units per Unit		per Unit	per Day		
Existing Flow						
Residential Units	3-Bedroom	1	270	270		
Residential Units	4-Bedroom	1	360	360		
	Total Gallons per Day (Existing) 630					
Proposed Flow						
Residential Units	2-Bedroom	4	180	720		
Residential Units	3-Bedroom	1	270	270		
Total Gallons per Day (Proposed) 990						
Net Change +360						
*Values based on STATE OF MAINE: SUBSURFACE WASTEWTAER DISPOSAL						
RULES, most recent edition						

