



# PORTLAND MAINE

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**Public Services Department**  
**Michael J. Bobinsky, Director**

26 June 2012

Mr. Steve Long, P.E., c/o  
Fore Middle India, L.L.C.,  
11 Corporate Drive,  
Belmont, New Hampshire 03220

**RE: The Capacity to Handle Wastewater Flows, from the Proposed Mixed-Use  
Development, Phase II, of the Former Jordan's Meats' Site, at 197-203 Fore Street.**

Dear Mr. Long:

The existing thirty-inch diameter, vitrified clay sanitary sewer pipe, located in Franklin Street, has adequate capacity to **transport**, while The Portland Water District sewage treatment facility, located off Marginal Way, has adequate capacity to **treat**, the total anticipated increase in wastewater flows of **11,230 GPD**, from this project.

The City combined sewer overflow (C.S.O.) abatement consent agreement (with the U.S.E.P.A., and with the Maine D.E.P.) requires C.S.O. abatement, as well as storm water mitigation, in order to offset any increase in sanitary flows, from all projects. If the City can be of further assistance, please call 874-8832.

Sincerely,  
**CITY OF PORTLAND**

Frank J. Brancely, B.A., M.A.  
Senior Engineering Technician

FJB

CC: Jeffrey Levine, Director, Department of Planning, and Urban Development, City of Portland  
Barbara Barhydt, Development Review Services Manager, Department of Planning, and Urban Development, City of Portland  
William Needleman, Senior Planner, Department of Planning, and Urban Development, City of Portland  
David Margolis-Pineo, Deputy City Engineer, City of Portland  
Michael Farmer, P.E., Project Engineer, City of Portland  
Bradley A. Roland, P.E., Environmental Projects Engineer, City of Portland  
Stephen K. Harris, Assistant Engineer, City of Portland  
John Emerson, Wastewater Coordinator, City of Portland

**Anticipated Wastewater Design Flows from the Proposed Mixed-Use Project:**

Residential:

9 Proposed Two Bedroom Units @ 180 gpd per Unit = 1,620 GPD  
9 Proposed Three Bedroom Units @ 270 gpd per Unit = 2,430 GPD

Office:

64,906 Sq. Ft. of Proposed Unspecified Office Space,  
Assuming 5 Employees per 1,000 Sq. Ft,  
Assuming 20 gpd/ Employee @ Employment Place with Showers :  
 $64,906/1000 \times 5 \times 20 = 6,500 \text{ GPD}$

Retail @ Middle Street:

Assuming a Multi-Department Urban Grocery with Delicatessen,  
Assuming 100 gpd/Grocery Department,  
Assuming 100 gpd/Delicatessen Department,  
Assuming Ten Employees (Two Deli, Eight Grocery)/Shift,  
Assuming 15 gpd/Employee,  
Assuming Two Shifts:  
 $[100+15 (2) + 15 (2)] + [100+15 (8) + 15 (8)] = 500 \text{ GPD}$

Retail @ Fore Street:

Assuming four small high end retail stores,  
Assuming Three Employees/Store,  
Assuming 15 gpd/Employee,  
Assuming One Shift:  
 $4 \times 3 \times 15 = \underline{180 \text{ GPD}}$

Total Proposed Increase in Wastewater Flows for this Project = **11,230 GPD**