

From: [Dick, Frank](#)
To: [Odegard, Aaron](#); [Hermen, Matt](#)
Cc: [Lumbantobing, Sharon](#)
Subject: RE: Transmittal of RE: Vancouvers - General Sewer Plan Exec Summary
Date: Wednesday, March 09, 2016 5:10:06 PM

Matt –

I can look at this closer by the end of the week and get back with you. If you're interested in most current treatment plant flow data, here they are below.

	MP	WS	LAGOON
2015	3985.38	3516.44	552.20
MGD	10.92	9.63	1.51

Frank Dick, P.E.

Sewer and Wastewater Engineering Supervisor
City of Vancouver –Public Works
360-487-7179

From: Odegard, Aaron
Sent: Wednesday, March 09, 2016 10:23 AM
To: Hermen, Matt
Cc: Lumbantobing, Sharon; Dick, Frank
Subject: Transmittal of RE: Vancouvers - General Sewer Plan Exec Summary

Matt,

Please see the attached Exec Summary from our most recent General Sewer Plan. (The file name is a little long as a reminder for us on this end.)

After briefly reviewing, I'm not sure how much help the ES will be for your purposes.

I will defer to Frank to provide the edits. He is familiar with all the plant flows and should be able to edit Table E.17.

Aaron A. Odegard
Sanitary System Planning and Design
487-7153

From: Hermen, Matt
Sent: Tuesday, March 01, 2016 9:42 AM
To: Odegard, Aaron; Dick, Frank
Cc: Lumbantobing, Sharon
Subject: Vancouver - General Sewer Plan

Aaron and Frank,

I am currently updating the County's Capital Facilities Plan. The plan details the City's existing sewer

inventory volumes and needs to serve the growing population. I want to use your General Sewer Plan to update our tables below. Can you please send my your current General Sewer Plan?

Table E.10 Wastewater Treatment Facilities Inventory

Agency	Type of Treatment	Design Flow Maximum Calendar Month (MGD)	Actual Flow Average Calendar Month 2005 (MGD)	Actual Flow Minimum Calendar Month 2005 (MGD)	Actual Flow Maximum Calendar Month 2005 (MGD)	Sludge Disposal Method
City of Vancouver						
Westside	Secondary Activated sludge treatment	21.3	9.28	8.3	9.9	Incineration at the Westside Plant. Ash disposed at the Boardman Landfill
Marine Park	Secondary Activated sludge treatment	16.0	9.22	8.5	10.0	
Industrial Pretreatment	Secondary Lagoons Facultative treatment	3.2	1.2	0.8	3.0	

City of Vancouver sanitary sewer capital programs and projects are listed in Table E.17 below. Conversations with city staff indicate that identified capital programs and projects can provide service for the proposed growth in the October 24, 2006 map. The table below shows capital needs from 2006 to 2009.

Table E.17 Vancouver 2006-2009 6-Year CFP Sewer Summary

Capital Facility Project Type	Cost	Funding
Roadway coordination	\$5,203,000	\$5,203,000
Collection system projects	4,622,000	4,622,000
Pump station program	1,480,000	1,480,000
Relief sewer program	5,199,000	5,199,000
Substandard program	6,240,000	6,240,000
Sewer	12,329,000	12,329,000

Connection Incentive Program		
TOTAL	\$35,073,000	System Development and Developer Financing

Thanks,

Matt Hermen, AICP
 Planner III
 Clark County
 Department of Community Planning
 360.397.2280 x4343