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**REPORT TO SAANICH PENINSULA WASTEWATER COMMISSION
MEETING OF FRIDAY, JUNE 18, 2010**

SUBJECT SAANICH PENINSULA WASTEWATER TREATMENT PLANT CAPACITY UPDATE

PURPOSE

The purpose of this staff report is to provide the Saanich Peninsula Wastewater Commission (Commission) an update of the current capacity for each participant contributing to the Saanich Peninsula wastewater treatment plant (SPWWTP).

BACKGROUND

The SPWWTP was commissioned in 2000 and a capacity review study was presented to the Commission in November 2006. In November 2008, the Commission requested the capacity review study be updated and presented to them annually.

DISCUSSION

The treatment plant has a capacity to serve about 48,600 population equivalent and currently operates at about 48.7% capacity while running on one of the two process trains. The total annual average flow (AAF) from October 1, 2008 to September 30, 2009 was 9,063 m³/d, out of a design capacity of 18,596 m³/d.

Based on flow monitoring from October 1, 2008 to October 1, 2009, the following table presents the purchased capacity and current average annual flow for each participant.

Participant	Purchased Capacity (m³/day)	Current AAF (m³/day)	Percentage of Purchased Capacity	Percentage of Total Measured Flow
North Saanich	2,650	1,090	41.1	12.03
Central Saanich	7,710	3,997	51.8	44.11
Sidney	7,160	3,668	51.2	40.47
IOS	79	21	26.6	0.23
Airport	682	147	21.6	1.62
Pauquachin FN	219	97	44.3	1.07
Tseycum FN	96	43	44.8	0.48

The average daily flow from each municipality in the last four years is as follows:

	<u>North Saanich</u>	<u>Central Saanich</u>	<u>Sidney</u>
2006	827 m ³ /d	4,325 m ³ /d	3,873 m ³ /d
2007	1,020 m ³ /d	4,501 m ³ /d	4,129 m ³ /d
2008	1,068 m ³ /d	4,168 m ³ /d	3,822 m ³ /d
2009	1,090 m ³ /d	3,997 m ³ /d	3,668 m ³ /d

FINANCIAL IMPLICATIONS

Not applicable.

SUMMARY

This report presents the updated flows for each participant contributing to the Saanich Peninsula wastewater treatment plant, and the summary of flow from each municipality in the last four years.

RECOMMENDATION

That the Saanich Peninsula Wastewater Commission receive this report for information and forward it to the councils of North Saanich, Central Saanich and Sidney for information.

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