

Amsterdam-Churchill Sewer Lagoon

Existing Conditions

Residential

265 units X 2.54 people per unit= **675**

Retirement Home

		<u>35</u>
	Residential Population	710
		<u>x 100 gpcd</u>
	Flow	71,000 gpd

Out of Town Students

	Population	320
		<u>x 25 gpcd</u>
	Flow	8,000 gpd

Total Wastewater Flow (Estimated) 79,000 gpd

1975 Design Capacity 78,000 gpd

Amsterdam-Churchill Sewer Lagoon

Planning Scenarios

Scenario 1 (Settlement Subdivision Density)

Residential (New)

60% of 365 AC X 4 Units per AC X 2.54 people/ unit= **2,225**

Retirement Home (Future)

100

Existing Residents (2008)

Residential Population

675

3,000

X 100 gpcd

Flow

300,000 gpd

Out of Town Students

450

Flow

X 25 gpcd
11,250 gpd

Total Wastewater Flow (Estimated)

311,250 gpd

Amsterdam-Churchill Sewer Lagoon

Planning Scenarios

Scenario 2 (Churchill North Subdivision Density)

Residential (New)

70% of 365 AC X 2 Units per AC X 2.54 people/ unit= **1,298**

Retirement Home (Future) 100

Existing Residents (2008)

Residential Population

675

2,073

X 100 gpcd

Flow

207,300 gpd

Out of Town Students

450

X 25 gpcd

Flow

11,250 gpd

Total Wastewater Flow (Estimated)

218,550 gpd