### Amsterdam-Churchill Sewer Lagoon

**Existing Conditions**

<table>
<thead>
<tr>
<th>Category</th>
<th>Units</th>
<th>Population</th>
<th>Flow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>265</td>
<td>X 2.54</td>
<td>675 gpd</td>
</tr>
<tr>
<td>Retirement Home</td>
<td>35</td>
<td>100 gpcd</td>
<td>71,000 gpd</td>
</tr>
<tr>
<td>Out of Town Students</td>
<td>320</td>
<td>25 gpcd</td>
<td>8,000 gpd</td>
</tr>
</tbody>
</table>

**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 × 4 Units per AC × 2.54 people/unit = 2,225

Retirement Home (Future)                        100

Existing Residents (2008)
Residential Population 675
3,000
× 100 gpcd
Flow 300,000 gpd

Out of Town Students 450
× 25 gpcd
Flow 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 × 2 Units per AC × 2.54 people/unit = 1,298

Retirement Home (Future) 100

Existing Residents (2008)
Residential Population 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