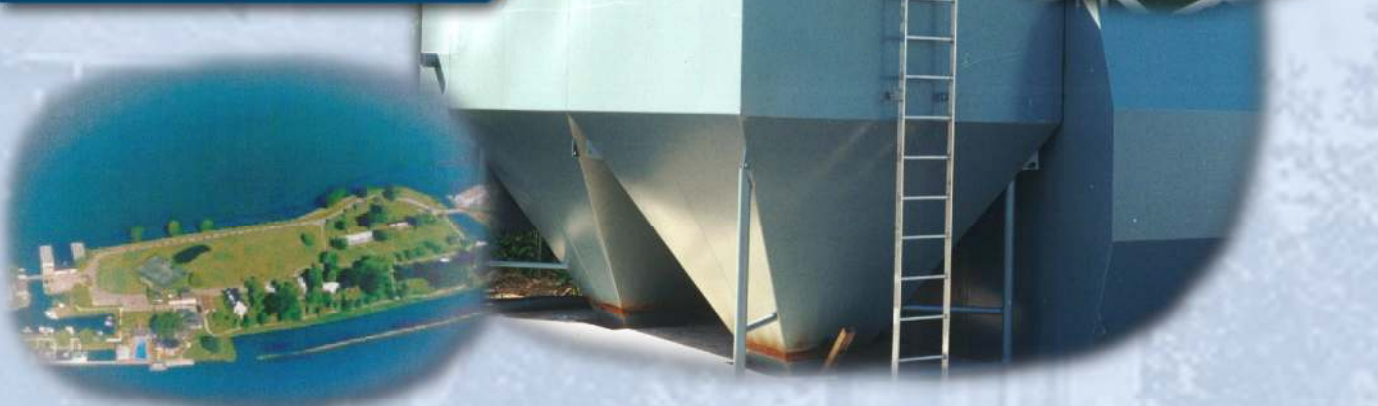


The Old Club



QUICK FACTS:

- 24 Room Hotel, 50 Residents
- Surface Water Discharge
- 40,000 gpd



Located on Harsen's Island in Lake St. Clair, The Old Club is a premier private yacht club. The Old Club is a seasonal resort and is operated from May until mid September. The club has 50 permanent residents that reside on Harsen's Island. In addition The Old Club owns and operates a 24-room hotel, a 16-unit condominium complex and a 200-seat gourmet restaurant.

The wastewater treatment plant serving The Old Club was a 7,500-gallon per day extended aeration treatment plant. In 1998 it became apparent that the existing wastewater treatment plant was no longer capable of treating the wastewater flows being generated at The Old Club. Boss Engineering was retained to design and manage the project to construct a new wastewater treatment plant for The Old Club.

The design of the wastewater treatment plant was generally a straightforward design. However, the unique character of the site presented some unusual challenges. Harsen's Island is a relatively small island located in the St. Clair Flats. Water table conditions on the island prohibit the burying of the wastewater treatment plant below grade, as is the typical method of installation. Rather the treatment plant had to be installed on a concrete slab above grade. In addition, the absence of road access to the island meant all equipment and materials had to be delivered by barge or ferry. A new 40,000 gpd wastewater treatment plant, approved by MDEQ, was placed into service in time for the 2001 season at The Old Club.

Civil
Engineering

Surveying

Planning

Landscape
Architecture

Wastewater
Treatment
Plant Design

BOSS
engineering

WHERE COMMUNITIES ARE BORN...