



TAYLOR BAY BEACH CLUB UPGRADES SEWAGE TREATMENT PLANT

WHAT WE ARE DOING

Gray & Osborne, Inc. has been contracted by the TBBC HOA to prepare 90% construction drawings for the wastewater treatment facility (WWTF) upgrades and outfall replacement/extension. Inspection of, design and engineering for repair of portions of the sanitary collection sewer system will also be included.



Aerial view of Taylor Bay Beach Club community

WHY THIS IS IMPORTANT

The WWTF, originally installed in 1968, has reached the end of its design life and faces issues such as failing infrastructure, geotechnical hazards, and risks to human health and sanitation. Sections of the sanitary sewer collection system need repair due to age and root intrusions. The WWTF outfall is at risk of corrosion and its diffuser is broken. It also discharges into active shellfish beds, resulting in closure of public harvests.



Taylor Bay Beach Club sign

WHAT YOU CAN DO

We all play a part in protecting marine water quality. Here are some examples on how we can keep animal and human waste out of our waterways:

- Pick up after your pets. When recreating near waterways, use designated restrooms, pack a portable toilet, or get a backpacker waste bag.
- When boating, use a pumpout station to empty your vessel sewage tank, use dump stations to empty your portable toilet, or use onshore restrooms.
- Properly use and maintain your on-site sewage system.

ABOUT TAYLOR BAY BEACH CLUB

The (TBBC) HOA sanitary sewer collection system, wastewater treatment facility, and effluent outfall serve the community of Taylor Bay in Longbranch, WA. The WWTF is owned and operated by the TBBC and treated wastewater is discharged via a National Pollutant Discharge Elimination System permitted outfall into Case Inlet in the south end of Puget Sound.



FOR MORE INFORMATION

Taylor Bay Beach Club HOA
info@TaylorBay.org, 253-778-6008
Selected for funding by Shellfish SIL



Funding Amount: \$1.7 Million **Start Date:** March 2024 **End Date:** September 2026

PROJECT ACCOMPLISHMENTS

Fifty-year old leaky concrete sewer collection pipe was lined with new Cured in Place Plastic Pipe

- Total 6-inch pipe completed was 1,852 feet
- Total 8-inch pipe completed was 4,115 feet
- Two leaky manholes were regouted
- All 6-in and 8-in cleanouts were located and capped



Some pipes were completely clogged with roots.

OUTCOMES

From initial camera inspections to the completion of the CIPP lining and final inspections, this project provided much information about the sewer lines overall and ensures many more years of reliable service.



Map of affected shellfish growing areas.

SUCCESS STORIES

The relined pipe has reduced inflow to the collection system and has significantly reduced peak and base flows during the wet season. This help improve the operation of the existing and new wastewater treatment system.

FUTURE OPPORTUNITIES

This project is part of a larger effort to replace an existing wastewater treatment plant that is about 50 years old and at the end of its service life. In addition, a new outfall pipe will be installed, and the old outfall pipe will be removed. All these efforts will protect and improve the shellfish beds and the marine environment in the Taylor Bay area.



Most of the old 6-inch and 8-inch pipe was relined with cured in place plastic pipe.



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