

“What happens after I flush?”

City Wastewater

May 3, 2022

NAME | TITLE

CITY OF PORT TOWNSEND

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How Your City



City of  Port Townsend

City of Port Townsend's Wastewater Treatment Plant



How Your City

WORKS

City of  Port Townsend

A little history



Our Forefather's Waste Treatment Option



Nashua River New Hampshire 1967




CLEAN WATER ACT

The 1972 amendments:

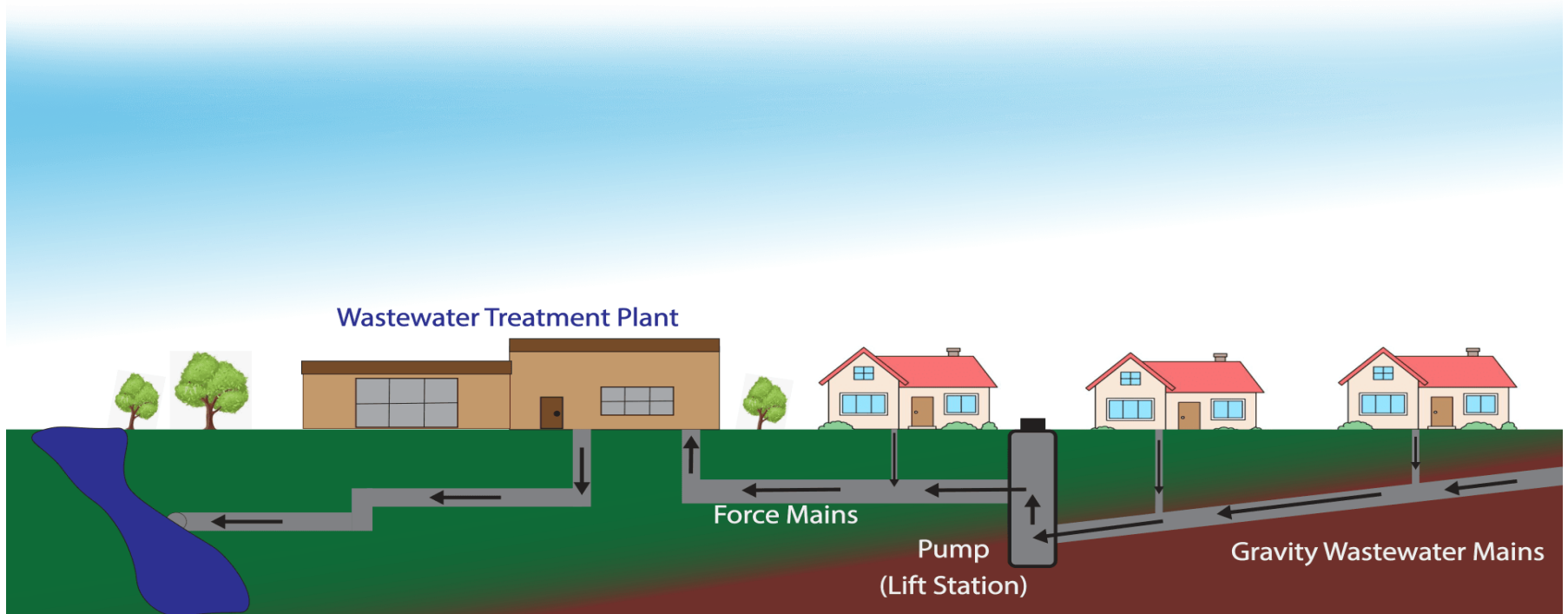
- Established the basic structure for regulating pollutant discharges into the waters of the United States.
- Gave EPA the authority to implement pollution control programs such as setting wastewater standards for industry.
- Maintained existing requirements to set water quality standards for all contaminants in surface waters.
- Made it unlawful for any person to discharge any pollutant from a point source into navigable waters, unless a permit was obtained under its provisions.
- Funded the construction of sewage treatment plants under the construction grants program.
- Recognized the need for planning to address the critical problems posed by nonpoint source pollution.

Nashua River Today

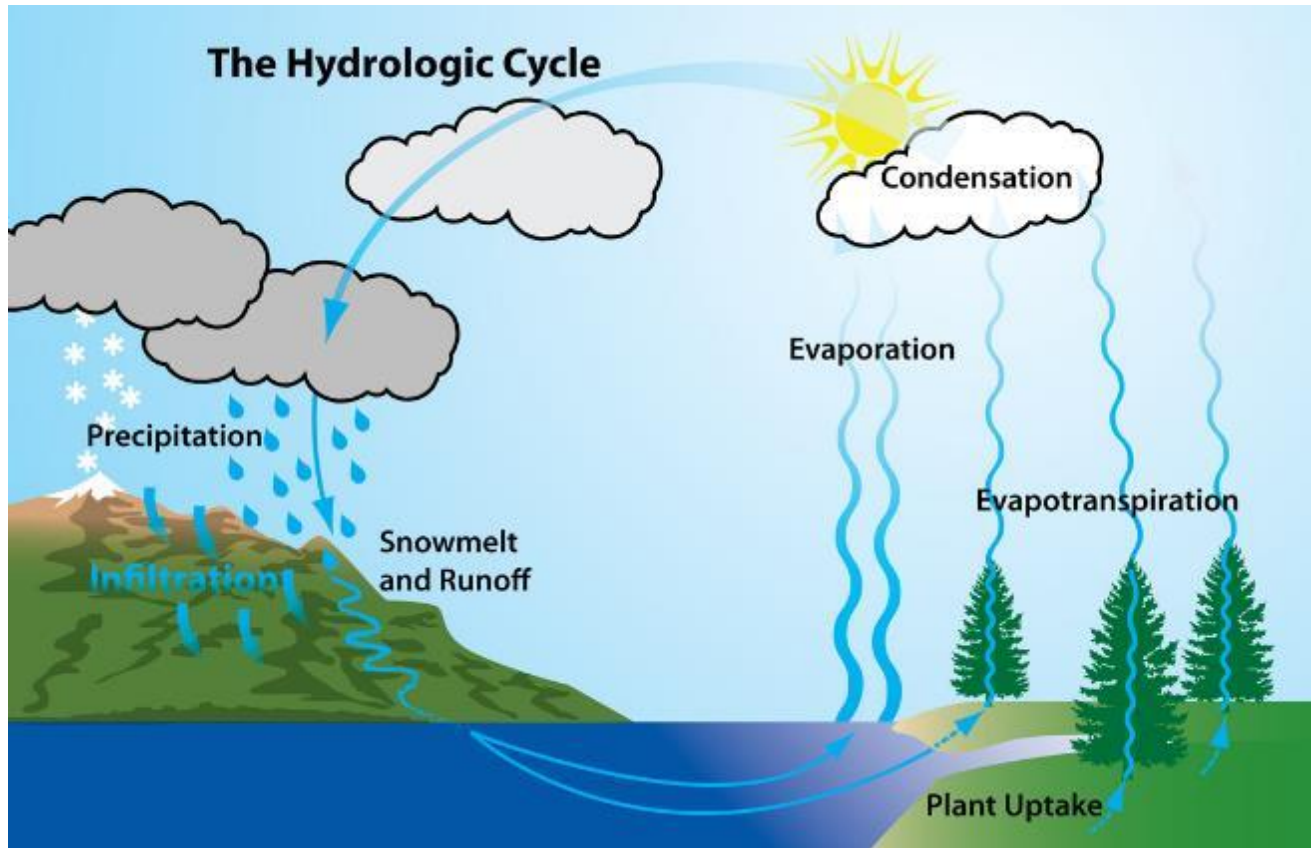


How Your City
WORKS
City of  Port Townsend

From your house to treatment.



Water Cycle



How we do it



How Your City
WORKS
City of  Port Townsend

Port Townsends Original Wastewater Treatment Plant



Where the City Collects Wastewater From



Sewer Lift Stations throughout P.T.



Monroe
Street
Station



Gaines
Street
Station



31st
Street
Station



Island
Vista
Station



Hamilton
Heights
Station



Port of
P.T.
Station



City of Port Townsend's Wastewater Treatment Facility



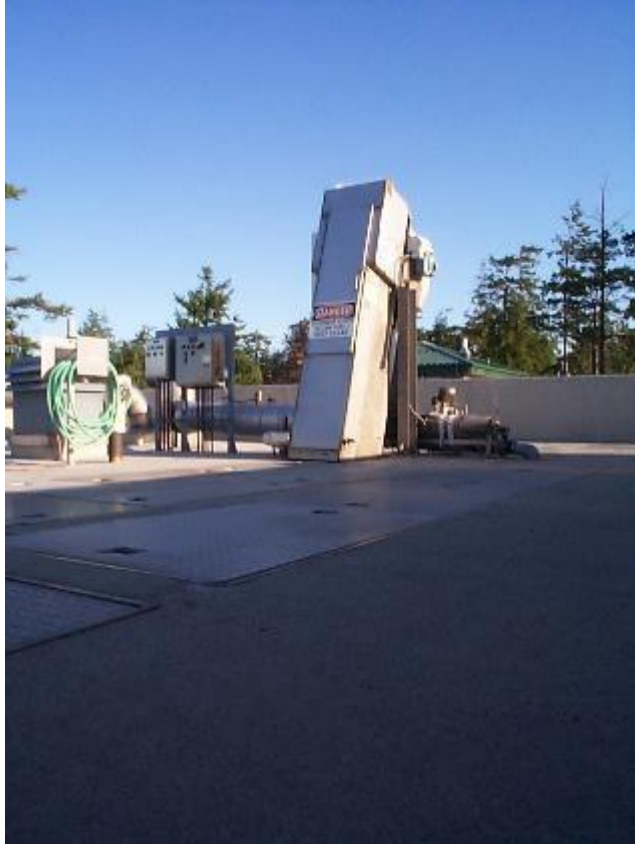
City of Port Townsend's Wastewater Treatment Facility



Entering Our Treatment Plant looking at our Headworks Building



Our Screening unit to remove garbage. Also, best views of the facility.



Aeration Ditches

The Workhorse of Treatment



Clarifiers

Where the water gets clear and Chlorinated



Chlorine Contact Basins

Water ready to go back to the environment



Digesters Used for Solids Thickening



Belt Press Used to dewater Solids



Dewatering takes place in tower on right.



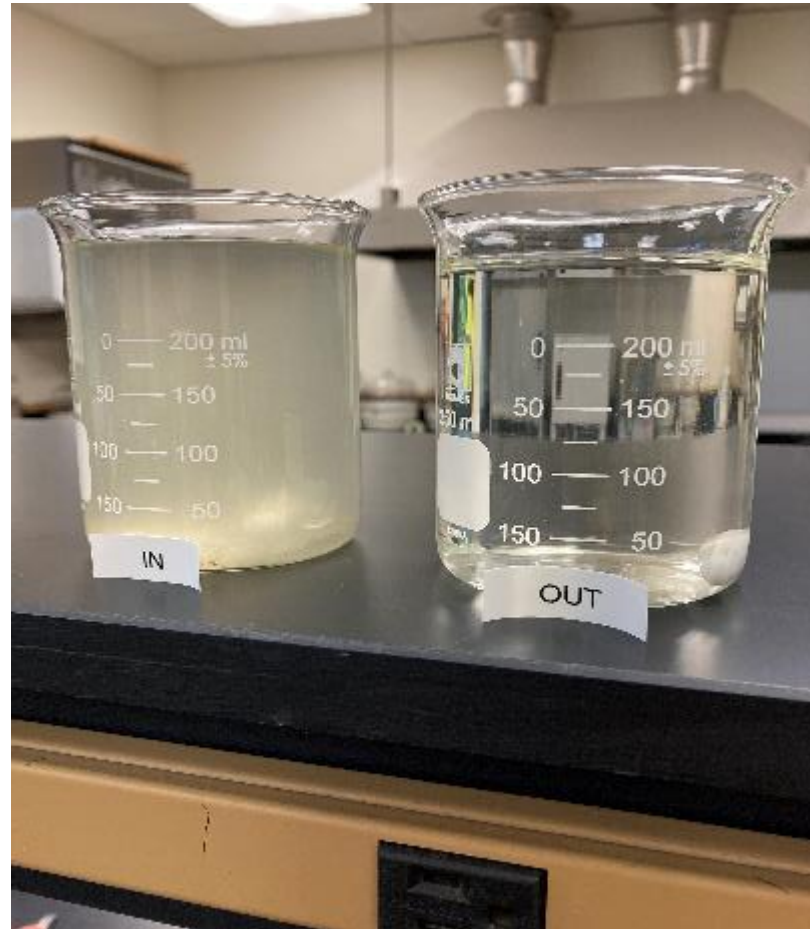
Our Lab



Bench Test to Determine How The Clarifier Is Working



Influent/Effluent



Our Wall of Awards and Certifications



City of Port Townsend's Wastewater Treatment

