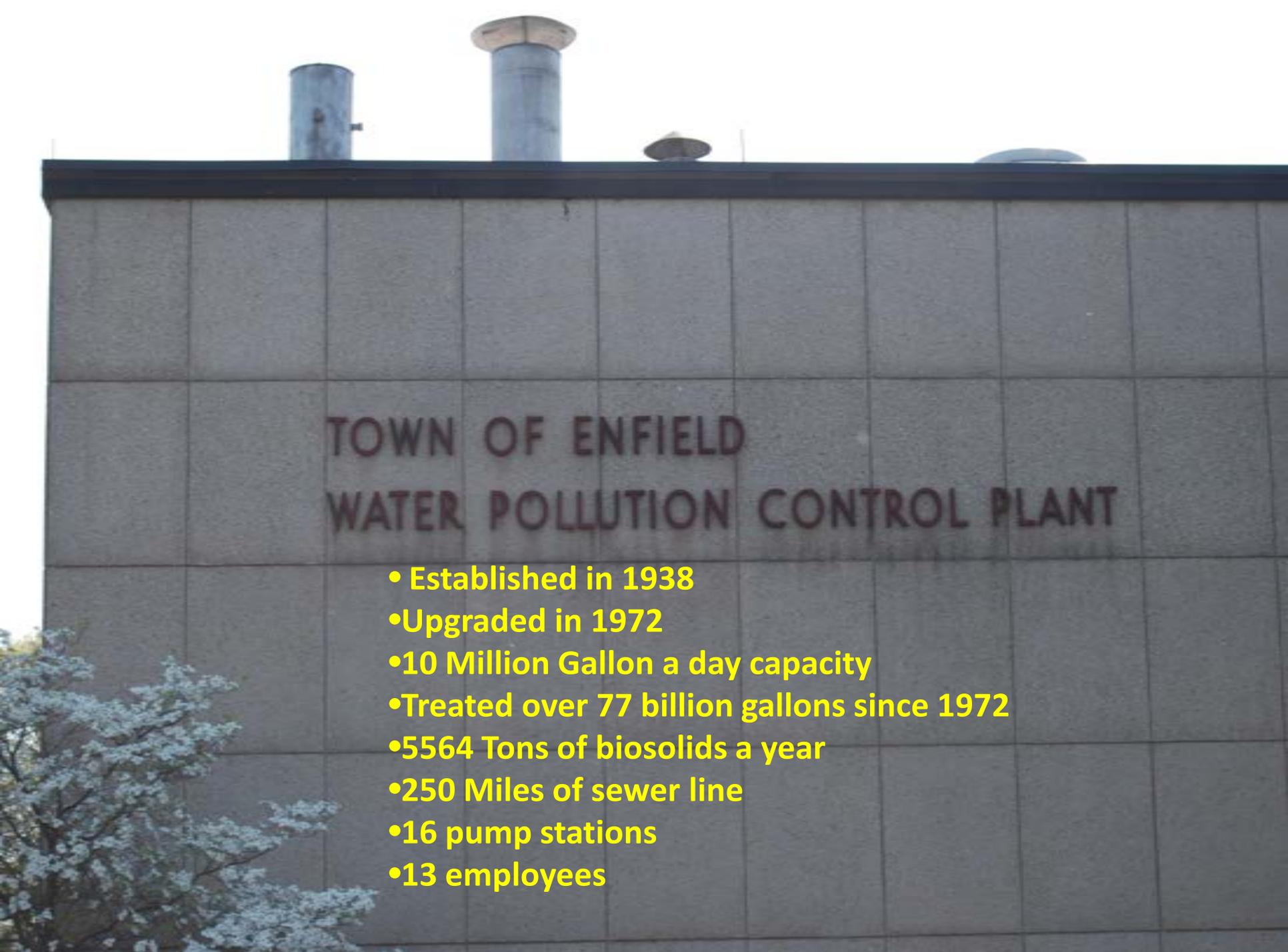


# Water Pollution Control

## **Mission:**

Our mission is to protect public health and the environment for our communities by providing high-quality wastewater-treatment services in an effective, efficient, and responsive manner.





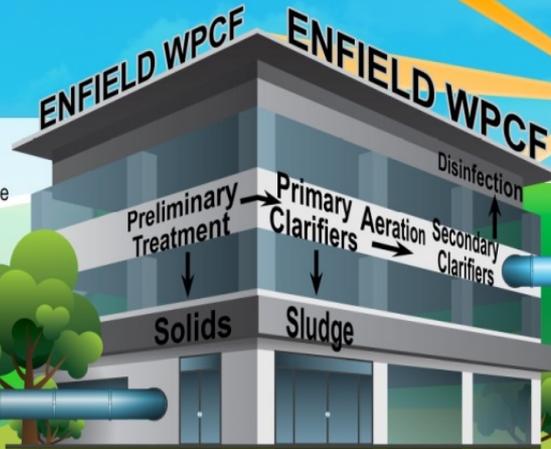
TOWN OF ENFIELD  
WATER POLLUTION CONTROL PLANT

- Established in 1938
- Upgraded in 1972
- 10 Million Gallon a day capacity
- Treated over 77 billion gallons since 1972
- 5564 Tons of biosolids a year
- 250 Miles of sewer line
- 16 pump stations
- 13 employees

# WATER PURIFICATION PROCESS

Enfield, CT

The Enfield Water Pollution Control Facility has been in continuous operation since 1938. The last major upgrade was completed in 1972, and most of the equipment has been in service for over 40 years.



The Enfield Water Pollution Control Facility purifies wastewater from over 20,000 businesses and homes each day and has purified over 76.6 billion gallons since 1972.

CONNECTICUT RIVER



WOODARD & CURRAN



# Collection System



250 miles of sanitary sewer line( gravity and force mains, some date back before 1938)

Clay (1900 to 1960), orangeberg (tar paper) (1940s to 1960s) ,concrete (1960s to present day) and cast iron (1938 to present) PVC (1970s to present day)

50 miles of trunk line in wooded areas

Approximately 4500 manholes

# Pump Stations



Moves wastewater from low lying areas to higher point

16 pump station with generators

4 Major pump station (Built before 1970 (3), South River 1938)

12 minor pump stations(3 built before 1970, 9 built after 1970)

# Treatment Plant



Most equipment is original from 1972

Preliminary, Primary, Biological Nutrient Removal, Final Settling and Chlorine Contact

National Pollution Discharge Elimination System Permit(CT DEEP via EPA)

Since 1972 more complex regulations from Environmental Protection Agency

Notice of Violations from EPA in 2010

# Notice of Violations



Notice of Violation from EPA in 2010

Air scrubbing unit

Primary inflow gate

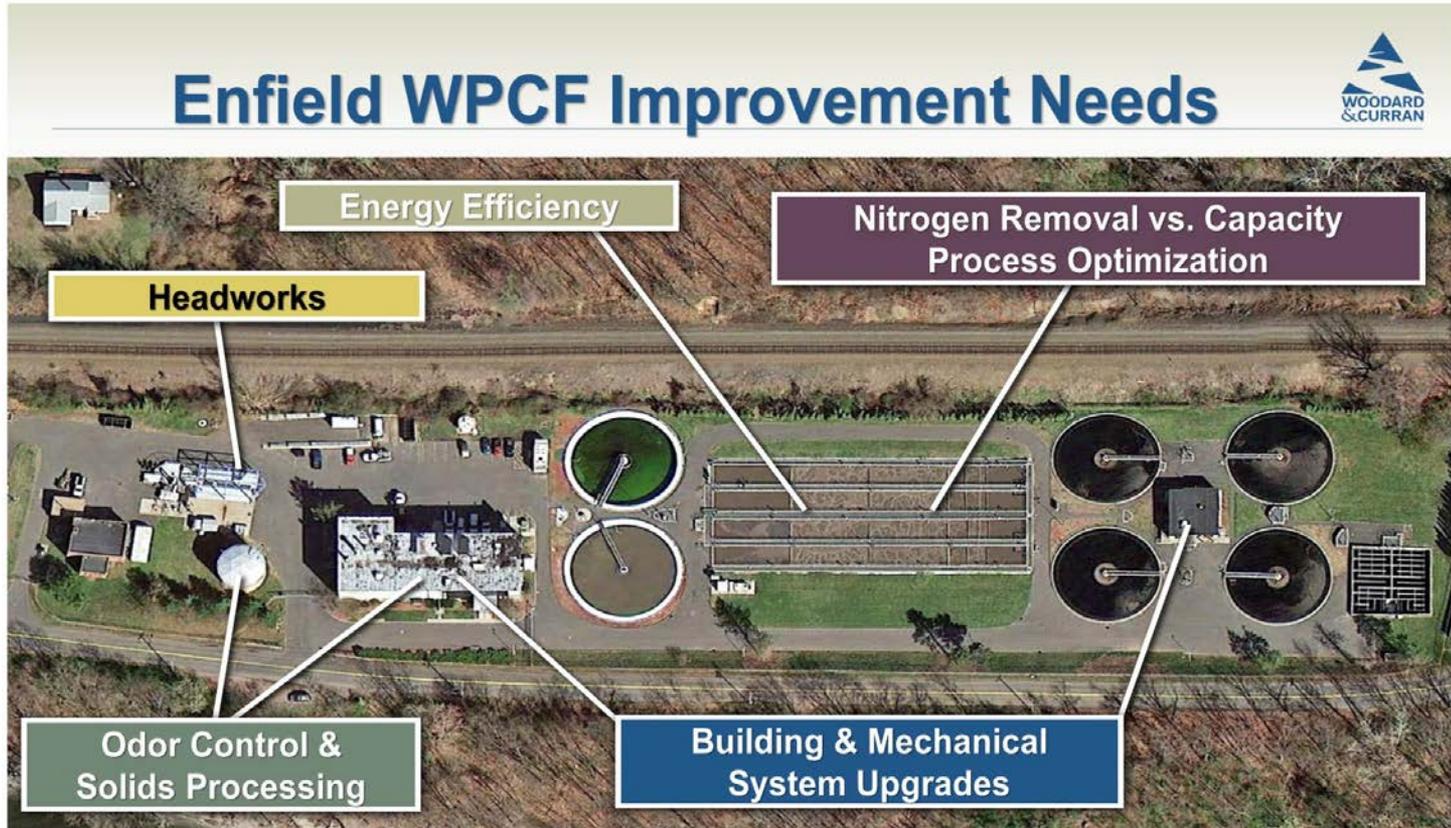
Bar rack rag compactor

New Permit November 2013

4 years to correct violations

2011/2012 Water Pollution Control Authority decides to have 2 year study done that looks at treatment plant and collection system, facilities plan

# Facilities Plan



55% Grant from CT DEEP for facilities planning  
Two year comprehensive study of treatment plant and collection system  
Guide for next 20 years for Water Pollution Control Author  
Access to CT DEEP Clean water fund grants and loans



# 2014-2015 Projects



Pump station equipment upgrades  
Sewer camera upgrade  
Biosolids container replacement  
Sewer relining projects

# 2014-2015 Sewer Relining project



Cast-In-Place-Pipe  
Most economical solution  
John Street  
Southwood Road  
Future streets



# Public Events



Future open houses once a month

River cleanup

Earth Day Celebration

Wastewater Treatment Appreciation Day(National Public Works Week)