



## SEWER SYSTEM IMPROVEMENT PROGRAM | Grey. Green. Clean.

# San Francisco's Wastewater Treatment Facilities

Serving over 800,000 customers, the San Francisco Public Utilities Commission (SFPUC) owns and operates San Francisco's combined sewer system, which collects and treats both sewage and stormwater runoff.

On a typical day, a vast network of pipes creates a "city under the City" that transports and delivers San Francisco's wastewater to one of our two local treatment plants: the Southeast Treatment Plant or the Oceanside Treatment Plant. During a storm North Point Wet-Weather Facility is activated to treat additional flow. Each treatment facility plays an integral role in handling and treating the City's flows before being discharged into the San Francisco Bay or the Pacific Ocean.

Stormwater enters the combined sewer system through the thousands of catch basins along the street. Since most of San Francisco is paved over, the rainwater that falls from the skies usually ends up in our sewers. Each non-rainy day an average of 80 million gallons of wastewater is collected and transported to one of the two treatment plants. When it rains, our wastewater system can collect and treat up to 575 million gallons a day (MGD).

### GET INVOLVED!

We offer **free** bike and walking tours of our wastewater treatment plants and green infrastructure projects. Visit our website for upcoming tours and more info about the SSIP upgrades. [sfwater.org/ssip](http://sfwater.org/ssip)

North Point Wet Weather Facility



- Built in 1951
- Only active during wet weather
- Treats up to 150 MGD during rain storms
- Located at Bay Street and The Embarcadero

### OUR COMBINED SEWER SYSTEM

**3**  
Treatment Facilities

**1,000+**  
Miles of Pipes

**80**  
Million Gallons  
Treated Non-Rainy Day

**575**  
Million Gallons  
Treated Rainy Day

**40**  
Billion Gallons  
Treated Annually

Oceanside Treatment Plant



- Built in 1993
- Receives 20% of the City's flows
- Treats 15 MGD and up to 175 MGD during rain storms
- Located off the Great Highway between Lake Merced and San Francisco Zoo

Southeast Treatment Plant



- Built in 1952
- Receives 80% of the City's flows
- Treats 60 MGD and up to 250 MGD during rain storms
- Located on Phelps Street near Third and Evans streets in the Bayview District



**ABOUT THE SSIP:** The SSIP is a 20-year citywide investment to upgrade our aging sewer system and provide a more reliable, sustainable, and seismically safe sewer system now and for future generations. The Commission authorized \$2.7 billion of Phase I Improvement in August 2012.





## Southeast Treatment Plant

Located in Bayview/Hunters Point, the Southeast Treatment Plant (SEP) is nestled in the midst of a mixed industrial/commercial/residential area, with some neighbors only a street's width away. The SEP is San Francisco's largest wastewater facility, responsible for treating flows from the Bayside of the City in addition to Daly City and Brisbane. Wastewater is transported to the SEP through a grid of transport/storage boxes, sewers, and five major pump stations. The SEP treats 60 million gallons per day (MGD) of wastewater and handles 160 wet tons of biosolids each day. During a rainstorm, it has the capacity to treat up to 250 MGD.

### Needed Plant Improvements Underway

Built in 1952, much of the SEP facilities represent 1940's technology and are operating well beyond their useful lives. As a result, structural elements of the plant have deteriorated. The existing solids processing facilities are in constant need of repair and have become a known nuisance and source of odors in the surrounding neighborhood. SEP must undergo operational improvements and seismic upgrades in order to ensure the reliability of the sewer system and to protect the health of our community and environment. SSIP upgrades to the SEP include:

- New Biosolids Digester Facilities
- Replacement of the headworks (where the flow enters the plant)
- Structural and seismic retrofits
- New oxygen plant and influent pumps
- Odor control improvements
- Architectural and landscape improvements to the perimeter

The proposed improvements to the SEP have incorporated public input from the Southeast Digesters Task Force, an advisory group of neighborhood and business interests who provided recommendations on reducing community impacts. These major infrastructure upgrades will help to ensure that cleaned, treated water is released into the Bay and that we continue to protect the health of our community and environment.

Updated 06/2014

For more information, visit: [sfwater.org/ssip](http://sfwater.org/ssip)



SEWER SYSTEM IMPROVEMENT PROGRAM | Grey. Green. Clean.

### SEP AT A GLANCE

- Built in 1952
- Largest all-weather facility treating 80% of the City's flows
- Treats on average 60 MGD of wastewater and up to 250 MGD during rain storms
- It takes about 11 hours to clean and treat the wastewater before it is released 800 feet into the San Francisco Bay
- Located in Bayview/Hunters Point

### PROJECT BENEFITS

- Improve process performance
- Odor control
- Seismic improvements
- Improve operating reliability and efficiency
- Minimize neighborhood impacts
- Improve the visual aspects of the plant
- New biosolids facility



**San Francisco**  
**Water Power Sewer**  
Services of the San Francisco Public Utilities Commission