

San Francisco's Wastewater Treatment

October 17, 2022

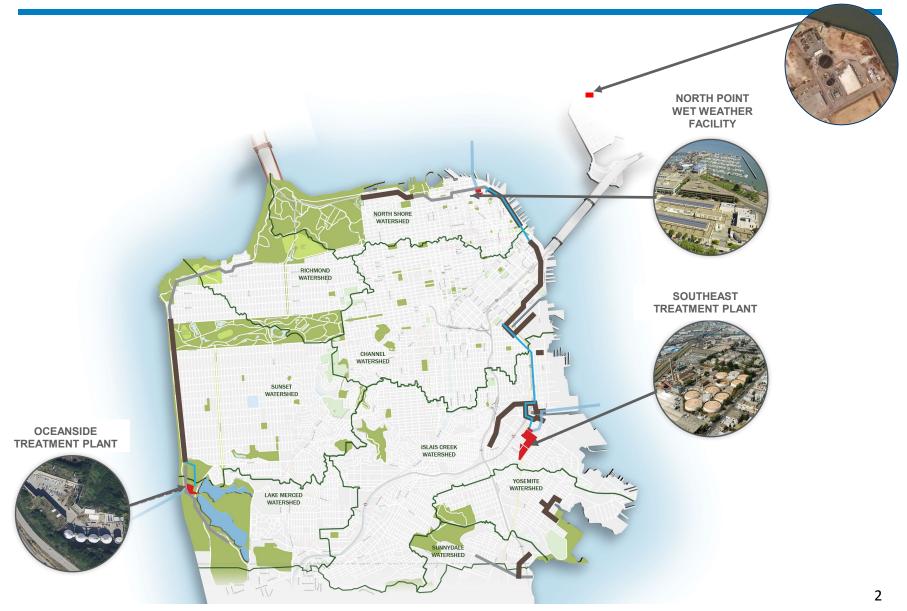
Amy Chastain

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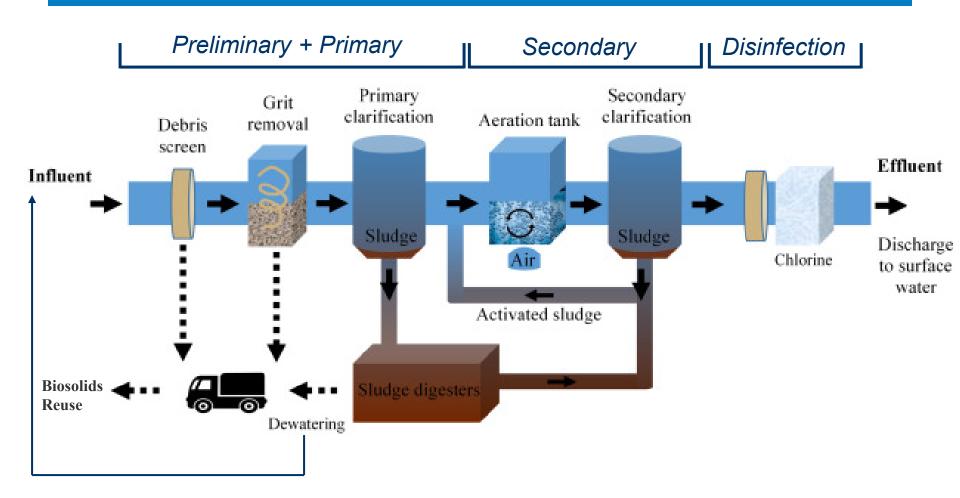
San Francisco Municipal Wastewater **Treatment Plants**

TREASURE ISLAND TREAMENT PLANT



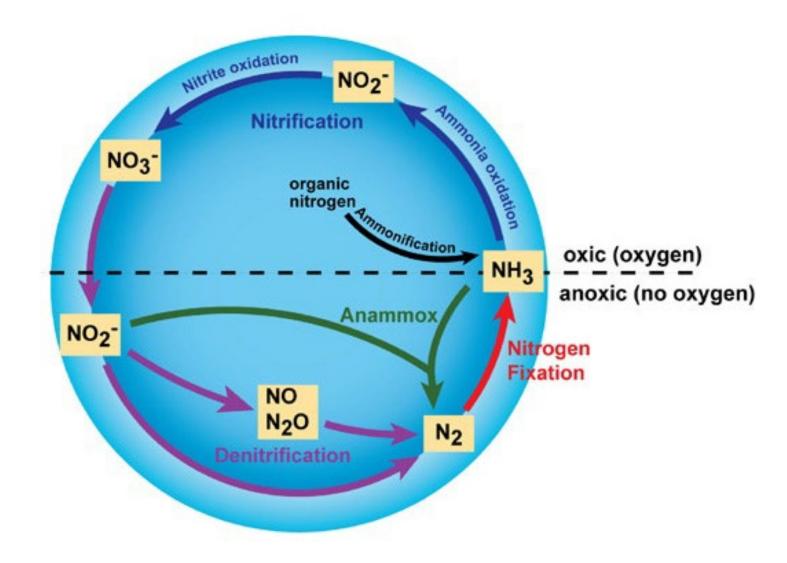


Simplified Wastewater Treatment Process



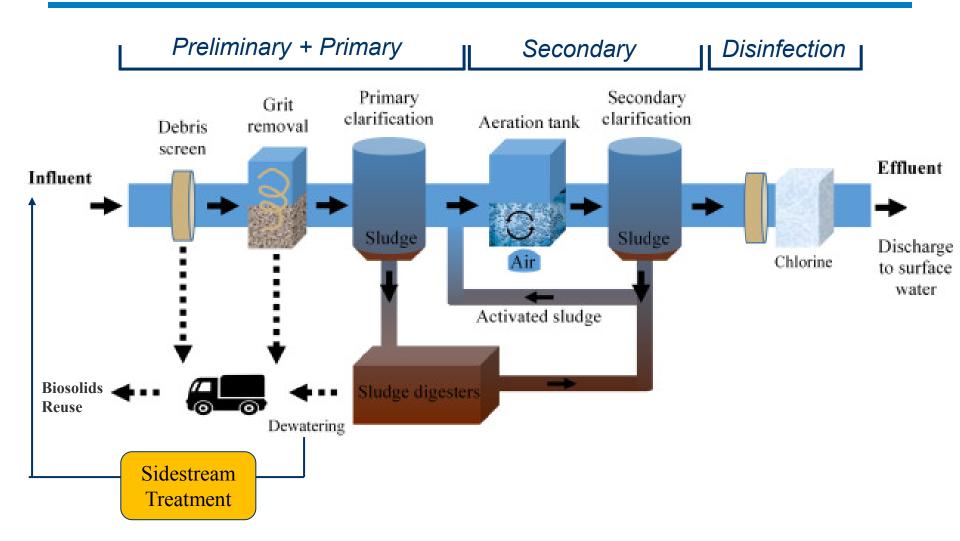


Nitrogen Removal



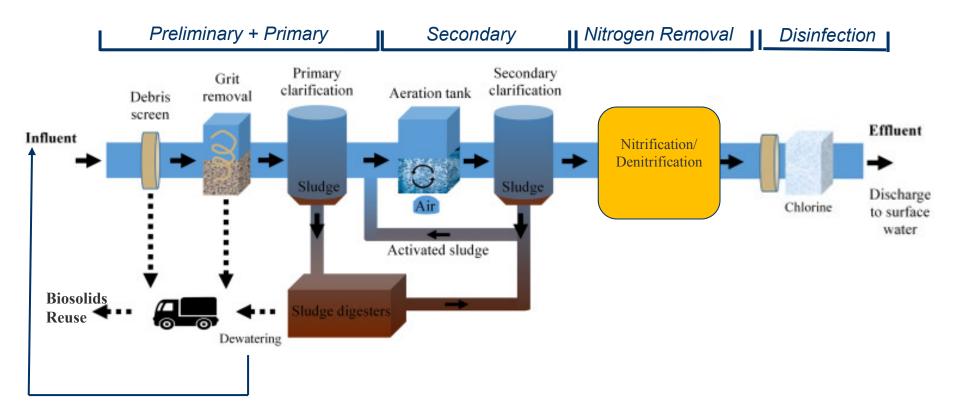


Sidestream Treatment



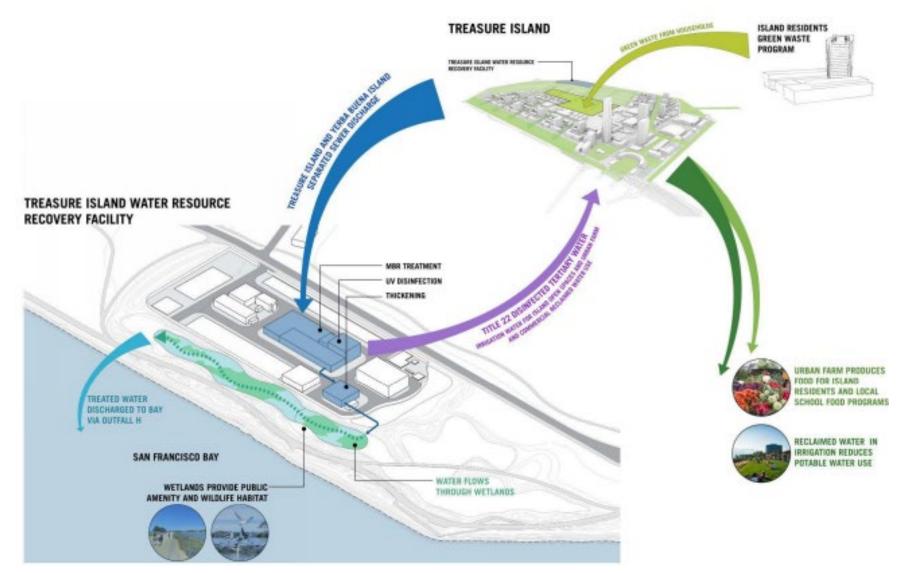


Fullstream Treatment





New Treasure Island Water Resource Recovery Facility



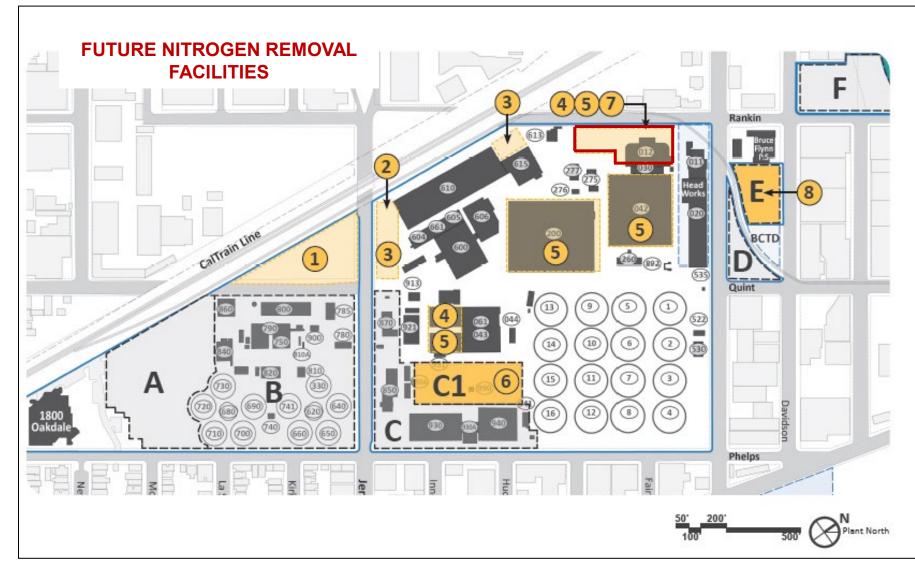


Southeast Treatment Plant





Planning for Nitrogen Removal – Site Layouts & Cost





Planning for Nutrient Removal - Technology Evaluations



Experimental Setup

- -Anammox Processes
 - -Suspended-Growth SBR
 - Attached Growth MBBR/IFAS
- Process Monitoring
 - -рН
 - Dissolved Oxygen
 - -Temperature
 - -Level
 - -Flow

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TECH SESSIONS