

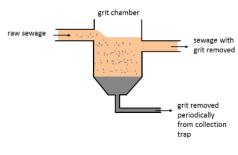
Metering and Diversion Structure



Preliminary Treatment

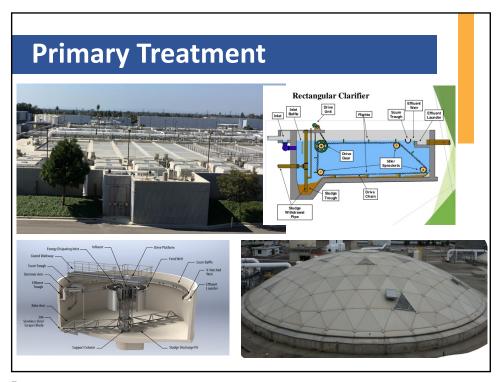
Barscreen

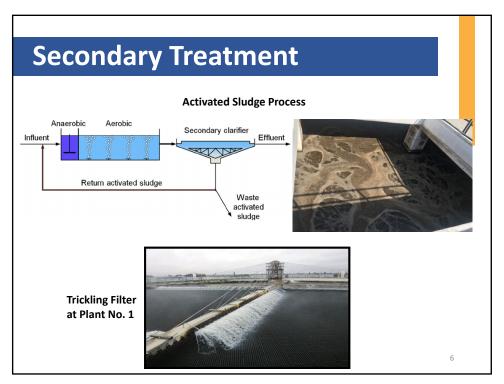
Grit Chamber



Grit is mostly inorganic material like sand, gravel, and eggshells.

Grit is very abrasive and heavy. It clogs flow channels and digesters and wears out pumps.





Effectiveness of Water Treatment

Raw Sewage



Primary Treated Effluent



Secondary Treated Effluent



-

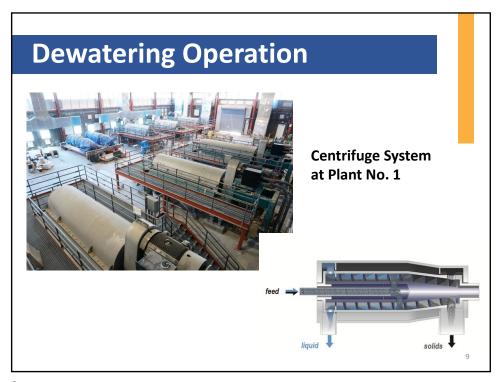
7

Solids Recovery Process

Anaerobic Digester



8





Central Generation Engines



Plant No. 2 Central Generation Engines

1

11

Evolution of Ocean Discharge

Fiscal Year	OC San Daily Ocean Outfall Effluent Average [MGD]
1990-1991	262
1996-1997	242
2008-2009 (GWRS starts)	167
2015-2016 (GWRS Initial Exapnsion)	92
2019-2020 (Most recent year)	101
2022-2024 (GWRS Final Expansion)	~40-60*
*mostly non-reclaimable : SAWPA discharge and GWRS RO reject	

12

Agency Partnerships

Coordination and Communication to ensure Discharge Quality for OCWD and the Ocean Outfall

- Flow management and infrastructure soundness
- Change in wastewater stream/source
- Change in influent and effluent characteristics
- Change in operations









13

13

Environmental Compliance and Reporting Governance













REGIONAL/LOCAL









