

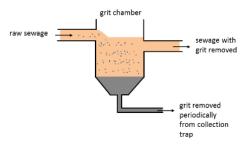
# **Metering and Diversion Structure**



# **Preliminary Treatment**

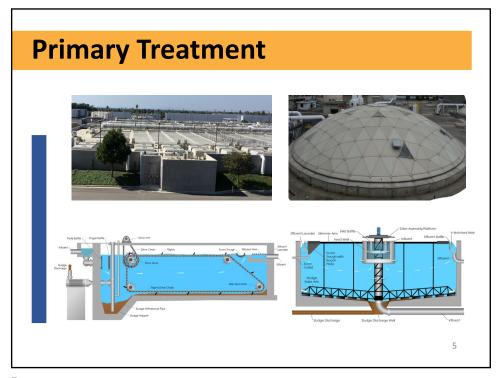
### **Barscreen**

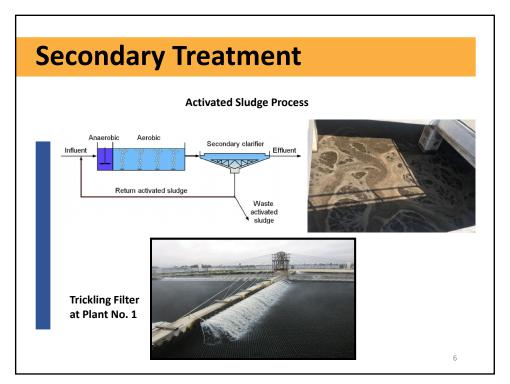
### **Grit Chamber**



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

### **GWR System Flow Diagram** OC San **Enhanced** Reverse Ultraviolet Source Microfiltration Light **Osmosis Control GWRS** Purified **OC San** Water Secondary Treated **Effluent Backwash** Recharge Brine (Hydrogen Basins Peroxide added) Natural Soil Filtration OC San **OC San Ocean** Plant No. 1 Pipeline

- Plant 1 and 2 recyclable flow provided to GWRS creates 130 million gallons daily of drinkable water.
- Accounts for approximately 40% of local drinking water supply.

# Non-Reclaimable Flow



Plant No. 2 Aerial View

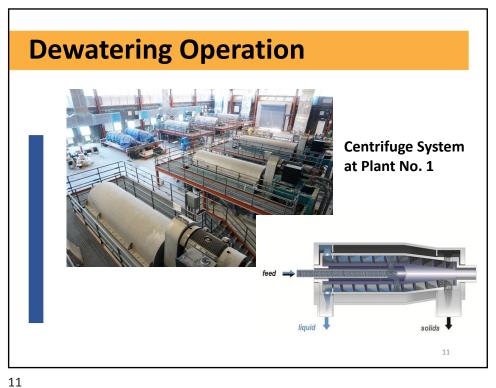
a

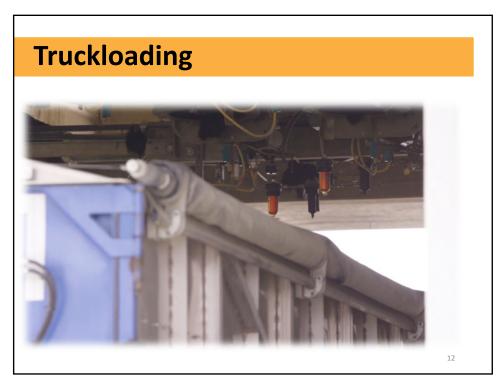
# **Solids Recovery Process**

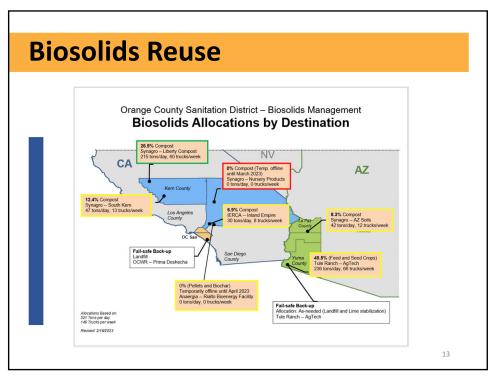
## **Anaerobic Digester**



10







# Central Generation Engines Plant No. 2 Central Generation Engines

