

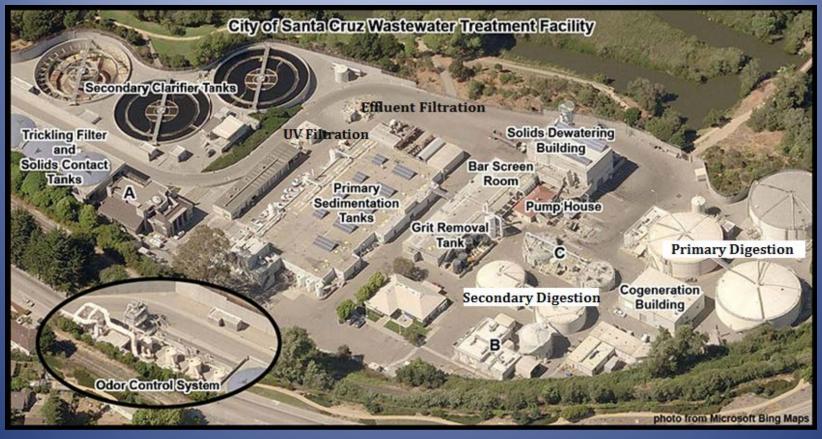


CITY OF SANTA CRUZ WASTEWATER TREATMENT FACILITY



Mark Dettle, Director of Public Works February 4, 2013

History



- 1928 Original plant built
- 1965 Primary upgrade
- 1985 Current outfall completed
- 1988 Advanced primary upgrade
- 1998 Full secondary with UV disinfection

Service Area

- Regional facility serves approx. 130,000 residents
- Service Area includes:
 - All City of Santa Cruz
 - County Sanitation District includes Live Oak,
 Capitola, Soquel and parts of Aptos, which is approximately 50% of total plant flow

Facility Flow Data

Design:

17 MGD Average Dry Weather Flow 81 MGD Peak Wet Weather Flow

Actual:

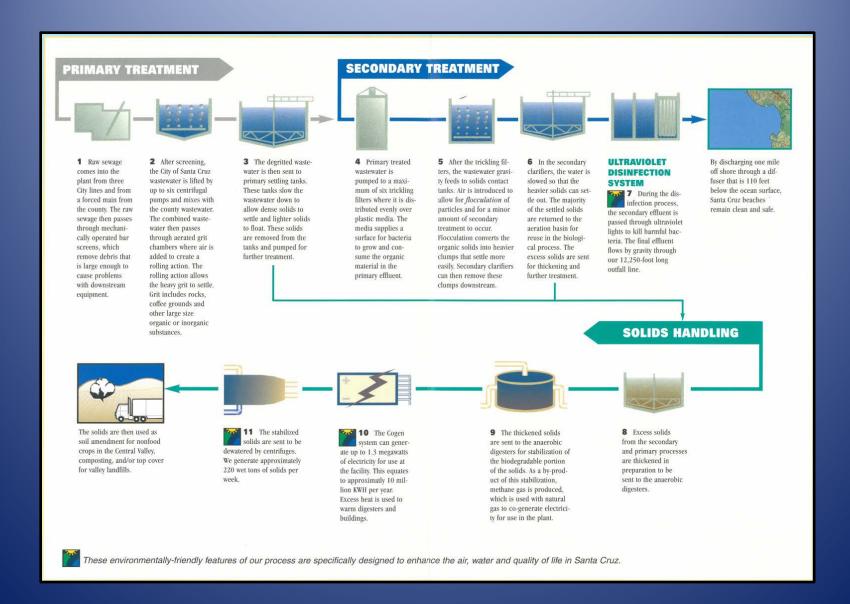
2012

- 9.00 MGD Average Daily Flow
- 3.3 billion gallons total treated

2013

- 8.43 MGD Average Daily Flow
- 3.1 billion gallons total treated

The Process



Effluent Filtration System

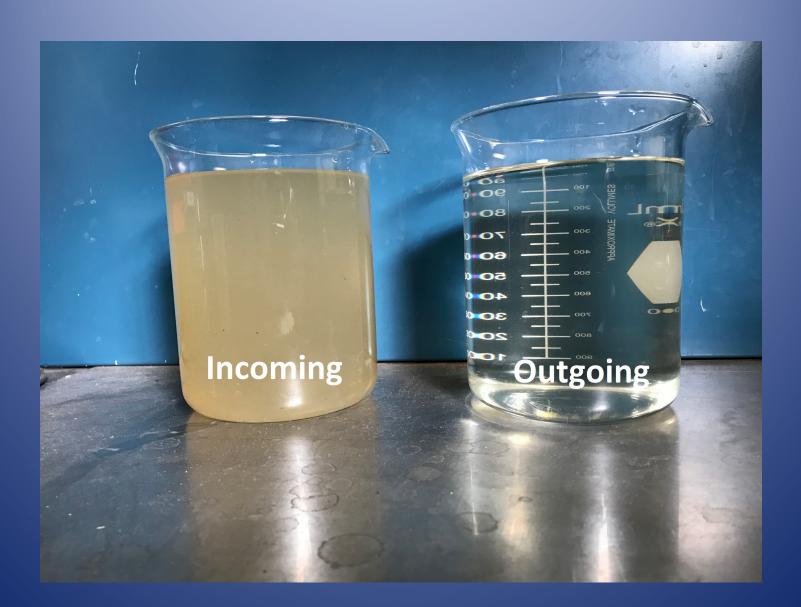


- Currently recycle an average of 135,000 gallons per day for on-site use: process wash-down, equipment cleanout, chemical make-up and pump seals.
- In 2013 47 MG were recycled.

Outfall Location



Any water that is not re-used on site (approximately 8.3 MGD) is released to this outfall location.



California Water Environment Association Monterey Bay Section 2012 Overall Plant of the Year



- Acknowledges outstanding achievement in more than 20 categories.
- Combines results of review of infrastructure, management practices and compliance records.
- City of Santa Cruz Wastewater Treatment Facility is recognized for being a well-run facility that meets all discharge permit requirements.
- Received 3rd place for CWEA state-wide overall mid-size plant of the year.