Presentation Overview

- Background on Chloride Issues in Santa Clarita
- Steps to Local Control of Automatic Water Softeners (AWS)
- Optimized Chloride Compliance Project
County Sanitation Districts of Los Angeles County

Santa Clarita Valley Sanitation District
Santa Clarita Valley Sanitation District (SCVSD)
Santa Clara River Watershed

Agricultural areas (salt-sensitive ag)

Urban areas
Recycled Water Chloride Levels

- 1989 – Regional Board sets ultimate discharge standard of 100 mg/l
- 2002 – Regional Board adopts TMDL to implement standard
SCVSD Chloride Compliance Program

- Integrated approach that has been in development for over 10 years
- Source Control Program for Chloride
- Certification of a Facilities Plan and EIR
- Approval to move forward with optimized Chloride Compliance Project
Source Control Program for Chloride

Only 1 in 20 homes own automatic water softeners

Keep Everyone’s Sewer Bill Lower –
Take the Rebate and Run

www.lacsd.org/chloride 877-CUT-SALT

From $325 to $2,000

For Your Automatic Water Softener

Take the Rebate and Run
1-877-CUT-SALT
www.lacsd.org/chloride
Water Softener Removal

Basic Facts About Measure “S”

• Requires four (4) percent of Santa Clarita Valley homes to remove salt-based “automatic” water softeners
• Complies with a State Order to cut salt levels in the Santa Clara River
• Results in a cleaner environment by protecting our river and groundwater
• Minimizes sewer charge increases
• Pays owners of salt-based water softeners $275 to $2,000 to remove their old units
• Allows ALL OTHER types of water softeners to be used
Approved Chloride Compliance Project

Valencia WRP (MF/RO and UV Disinfection)

Saugus WRP (UV Disinfection)

Brine Pipeline

Reverse Osmosis Product Water Pipeline

Deep Well Injection Site
Final Compliance Project

- UV Disinfection
- 7.1 MGD Microfiltration & Reverse Osmosis
- Deep Well Injection of Brine (now considering alternatives including brine minimization & trucking)
- Capital Cost Approximately $120 Million (without permeate pipeline)
Final Compliance Project

- Microfiltration/ Reverse Osmosis
- Brine Minimization
- Ultraviolet Disinfection (closed vessel)
• Deep Well Injection
Schedule and Cost

- Completion by July 1, 2019
- Approximate Project Cost of $120 M
Questions?

Matt Bao
Los Angeles County Sanitation Districts
(562) 908-4288 ext. 2809
mbao@lacsd.org