

Board Meeting

September 14, 2026

Emergency Preparedness: Super El Niño





Super El Niño

- Article: A 'super' El Niño is here. What does it mean for the Bay Area? - Berkeleyside

Because hot water expands, El Niño temporarily raises sea levels around six to twelve inches. A strong El Niño will likely increase coastal water levels even higher than it usually does. That will come on top of the long-term sea level rise that global warming has already caused — another six to twelve inches since the early 1900s. So king tides — the biggest tides of the year, next coming in November, December, and January — are likely to be bigger than usual as a result. And when they happen — or when storms bring more water — we may have big problems in coastal areas that are already prone to flooding. When extra-high king tides and rain joined forces this past winter, Corte Madera in Marin County temporarily turned into a lagoon.

Super El Niño



Corte Madera, Winter - [Source](#)

Super El Niño



Corte Madera - [Source](#)

Staff Prepares for Storm Events



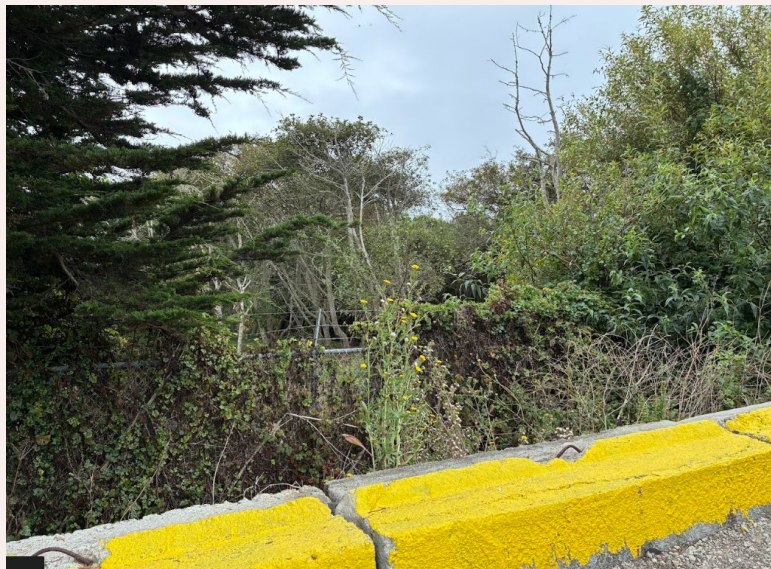
- Wet Weather season:
October 1 - March 31
- Proactive sand-bagging at
vulnerable locations
- Increased on-call assignments
ahead of big storms
- Local contractors ready to
provide emergency response





WWTP: Berm Complete

- Berm constructed and verified by hydraulic modeling; siphon pipeline to be cleaned



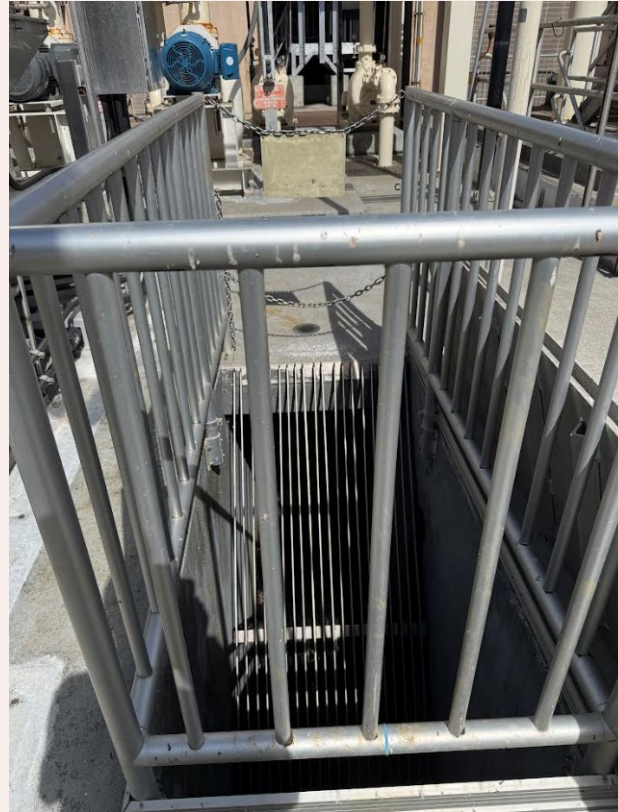
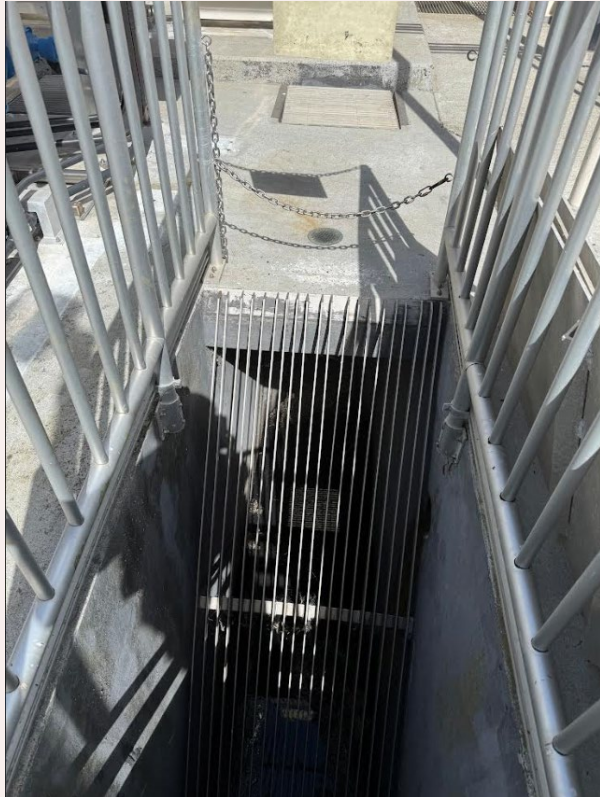


WWTP Updates: Bar Screens

- Bar screens replaced recently; backup bypass available



WWTP Updates: Bypass Bar Screens





WWTP Updates: Influent Pumps

- 5 of 6 pumps have been fully replaced





WWTP Updates: Grit Chambers

- Quarterly cleaning schedule on track





WWTP Updates: Grit Pumps

- Seals replaced on grit pumps; grit washers up to date



WWTP Updates: Primary Clarifiers

- Primary Clarifier #2 inspection completed 9/8/2026





WWTP Updates: Aeration Basins 1 & 2



- Unused basins to be used for equalization storage in the future
- Gate between AB 1 & 2 to be repaired / replaced
- Sluice gate may be added upstream

WWTP Updates: Aeration Basin 3



- Sensor equipment, DO controls to be replaced at AB #3
- All other preventative maintenance up to date

WWTP Updates: Secondary Clarifiers



- #2 upgraded, fluids checked; scraper #1 to be upgraded





WWTP Updates: RDT



- Flocculator oils to be changed, cover anchorage reinforced
- Control panel recently upgraded
- Backup polymer system is available

WWTP Updates: Electrical

- New IO cabinets, panels





WWTP Updates: Electrical



- High water line on new IO cabinet
- More operator friendly, digital, can be accessed remotely
- 2 spare breakers in MB2, 1 spare breaker in boiler room



WWTP Updates: Chlorination

- Chemical pump level sensors recently calibrated; new valves and spares ordered
- Chlorination contact tank up to date on preventative maintenance





WWTP Updates: New Effluent Pumps



- Newly installed effluent pumps started up 9/3/2026
- Effluent flows by gravity during dry season
- Heavy rainfall + king tides require pumping

WWTP Updates: New Effluent Pumps





WWTP Updates: Blower Room

- Blower room maintenance completed 9/09/2026





WWTP Updates: Boiler Room



- New boiler; preventative maintenance completed
- 2 spare pump motors
- Flare maintenance scheduled



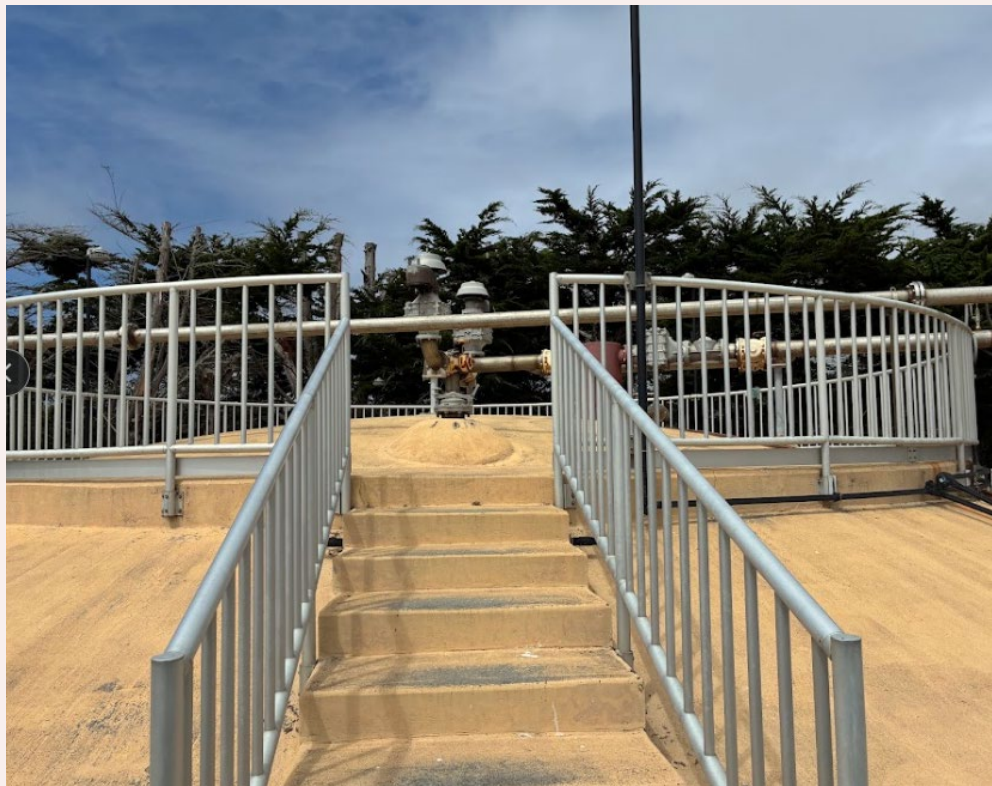
WWTP Updates: Boiler Room



- Expansion tank recently replaced
- Tank maintains temperature and pressure, and absorbs extra volume of water
- Prevents dangerous spikes when water heats up



WWTP Updates: Digester



- Preventative maintenance underway on mixer and recirculation pumps
- Spare mix motor available



WWTP Updates: Belt Press



- Belts recently replaced
- Preventative maintenance on schedule

Montara Pump Station



- Pump #3 recently replaced
- 1 spare chopper pump
- Wet Weather storage:
 - Rent up to 4 tanks;
20,000 gallons each





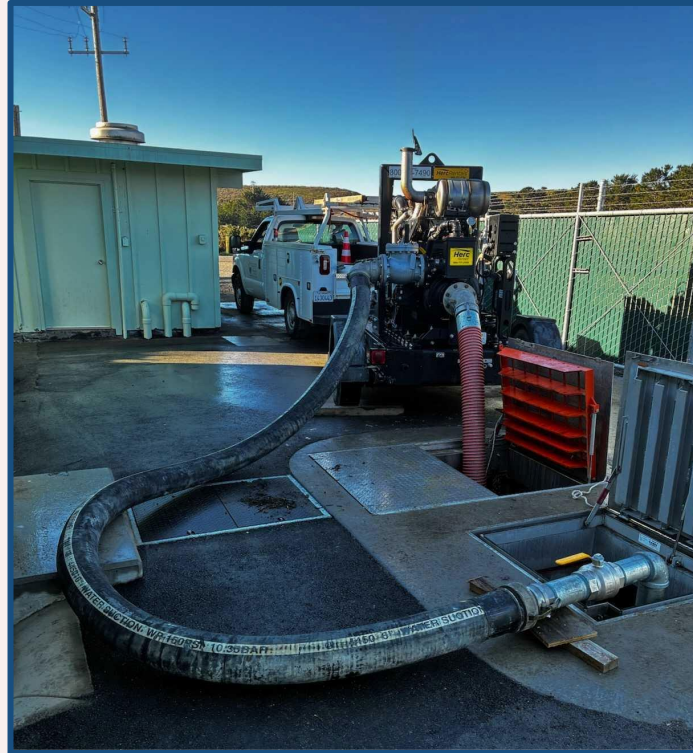
Portola Pump Station

- Pumps #2 and #3 recently replaced
- Pump #4 scheduled to be upgraded, parts on order
- Available spares include: 1 pump, 2 motors, and spare parts
- Surge protector bladder spare on order



Princeton Pump Station

- Pump Station flow testing complete
- Rent 6-inch trash pump, set-up by early October



Collection System Updates



- Continue monthly scheduled maintenance of 25 air release valves (ARV) as part of force main preventive maintenance



Smart Covers



- **Water Level Tracking:** Sensors measure liquid levels 24/7 to catch blockages or clogs before they cause spills
- **Gas Detection:** Built-in tools monitor dangerous or odorous gases like hydrogen sulfide (H_2S) and methane

Smart Covers



- **Intrusion Alarms:** Motion, tilt, or magnetic sensors alert operators if a lid is opened without permission
- **Environmental Tracking:** Sensors measure temperature, humidity, and structural tilt or vibration