



RANCHO MURIETA COMMUNITY SERVICES DISTRICT

15160 Jackson Road, Rancho Murieta, CA 95683
Office - 916-354-3700 * Fax - 916-354-2082

IMPROVEMENTS COMMITTEE

(Directors Randy Jenco and Martin Pohl)

Regular Meeting
July 5, 2022 at 8:00 a.m.

This meeting will be held via ZOOM video conference only. You can join the conference by (1) logging on to <https://us02web.zoom.us/j/88616023660>, entering Meeting ID no. 886 1602 3660 and using the audio on your computer, or (2) dialing into 1-669-900-9128 and entering the meeting code 886 1602 3660. Those wishing to join with audio only can simply call the telephone number above and enter the code. Participants wishing to join the call anonymously have the option of dialing *67 from their phone. Please refer to your telephone service provider for specific instructions. ***PLEASE NOTE – MOBILE DEVICE USERS MAY NEED TO INSTALL AN APP PRIOR TO USE AND MAC AND PC DESKTOP AND LAPTOP USES WILL REQUIRE YOU TO RUN A ZOOM INSTALLER APPLICATION – PLEASE FOLLOW DIRECTIONS AS PROVIDED BY ZOOM. IT IS RECOMMENDED YOU ATTEMPT TO LOGIN AT LEAST 5 MINUTES BEFORE THE START OF THE MEETING.***

AGENDA

1. **Call to Order**
2. **Consider Finding That as a Result of the COVID-19 Emergency: (i) Meeting in Person Would Present Imminent Risks to the Health or Safety of Attendees; and (ii) the Meeting is Authorized to be Held by Teleconference Pursuant to Gov. Code, § 54953, subd. (e)(1)(C).**
3. **Comments from the Public**
4. **Monthly Update**
5. **Discuss Potential Voluntary Water Restrictions**
6. **Report on Recycled Water Discharge at Lake 11**
7. **Status of RFP for Disinfection Improvements at the Wastewater Facility**
8. **Director and Staff Comments/Suggestions**
9. **Adjournment**

"In accordance with California Government Code Section 54957.5, any writing or document that is a public record, relates to an open session agenda item and is distributed less than 24 hours prior to a special meeting, will be made available for public inspection in the District offices during normal business hours. If, however, the document is not distributed until the regular meeting to which it relates, then the document or writing will be made available to the public at the location of the meeting."



In compliance with the Americans with Disabilities Act if you are an individual with a disability and you need a disability-related modification or accommodation to participate in this meeting or need assistance to participate in this teleconference meeting, please contact the District Office at 916-354-3700 or awilder@rmcsd.com. Requests must be made as soon as possible.

Note: This agenda is posted pursuant to the provisions of the Government Code commencing at Section 54950. The date of this posting is July 1, 2022. Posting locations are: 1) District Office; 2) Post Office; 3) Rancho Murieta Association; 4) Murieta Village Association.

MEMORANDUM

Date: June 30, 2022
To: Improvements Committee
From: Michael Fritschi, P.E. - Director of Operations
Subject: Monthly Utilities Department Updates

SB 170 PROJECTS

Water Treatment Facility Sodium Hypochlorite Conversion – No Update

Recycled Water Disinfection Project – The District will be receiving RFPs by the end of June for design services for the Recycled Water Disinfection Upgrade at the wastewater treatment facility. The proposal review team members will receive a copy of each proposal and a scoring sheet. The Proposals will be scored, totaled and provided to the Board for approval at the regular Board meeting in July.

Granlees Safety Improvements – HDR has scheduled a meeting to review repair and improvements to the Granlees intake on July 6th at the District office.

LAGUNA JOAQUIN – At this time the results of the work directed by the RMA have been positive. At this time there have been no reports of excessive midge fly swarms. The RMA has invoiced the District for the \$30,000 contribution which was approved by the Board earlier this year.

SEWER

Lift 6a (between De La Cruz Dr. and Bass Lake)

Lift station 6a is currently operating with a temporarily installed emergency pump. The District has ordered the 3-phase replacement pumps and VFD replacement and will schedule installation when the equipment arrives.

Main lift South

The faulty regulator and battery pack for the main lift south generator have been replaced and it is now fully functional.

Recycled Water Tertiary Facility

The Tertiary facility is in operation and is delivering 1.25 mgd to the country club. The District has been running additional chlorine to satisfy the increased demands from the warmer wastewater. The higher temperature water is exerting an additional chlorine demand. The supply water is warmer due to the mixing aerator being out of service at the recycled water reservoir and the reservoir intake is not being correctly mixed. Staff have ordered the replacement components for the missing aerator.

WATER

Rio Oso Pump Replacement Update – The expansion couplings have been ordered and are scheduled to arrive in late July. Staff are planning to have one pump replaced initially to buy the District time to determine the best long-term strategy for the future configuration and rehabilitation of this important pump station.

The Water Treatment Facility

Water Treatment Facility #1 and plant 2 are in operation and are currently producing potable water at a rate of 2.75 mgd.

The rebuilt back pulse pump is being installed in plant 1 on the week of June 27th. The second back pulse pump will be rebuilt and installed next winter when the water demand is reduced.

The District is encountering some dissolved manganese in initial concentrations of 0.039 – 0.045 mg/L. Operations are monitoring color and manganese concentrations and will utilize potassium permanganate and chlorine as needed in plant 2 to precipitate the manganese before it affects color.

Water Conservation

The State has enacted a ban on non-functional turf for all urban and non-urban water purveyors. The RMA have been informed of the new state ban on watering non-functional turf with potable water. Informing RMA of the ban concludes the District's obligations in this matter.

The District is closely monitoring the developments in state water restrictions that are for now applied only to urban water suppliers. Staff have included a voluntary request to reduce consumption by 20% on the latest round of bills.

Calero Stage Storage Curve

Adkins Engineering has provided a draft of the bathymetric survey of Reservoir Calero. The District is reviewing the information and is in contact with Adkins Engineering.

SITE DEVELOPMENT UPDATE

Development

Riverview: Lot A has been cleared and grubbed. Developer is currently performing compaction for roadway and culvert crossing. The temporary 10-inch water supply to the RMA spray park to be abandoned in place and sealed. It was verbally agreed that the developer will be extending sewer and water infrastructure to the country club bathroom at Karston Drive during the next phase of construction.

Retreats: All sewer mains and service laterals are installed and awaiting backfill. Met with KHOV and Teichert to discuss actual 6-inch minus shall be used to backfill trenches where blasting has taken place.

Taco Bell: Taco Bell has been open since early June.

Circle K/Shell: no update

Murieta Gardens Lot 2 (Tractor Supply): A letter of approval has been signed and delivered to the developer for the improvement plans.

MEMORANDUM

Date: June 30, 2022
To: Improvements Committee
From: Michael Fritschi, P.E. - Director of Operations
Subject: Lake 11 Recycled Water Spill

RECOMMENDED ACTION

Move forward a recommendation to the District Board to approve the emergency contract for design of repair of the drainage section of Lake 11 overflow by Joe Domenichelli & Associates.

BACKGROUND

At 8 AM on Friday, June 17. County Club Staff informed District Staff that there appeared to be water running out of Lake 11 near the Stormwater manhole on the north west corner of the lake. District staff went to the site to review and evaluate the issues. Based on this review it was determined that a beaver or some other borrowing animal had burrowed into the bank near the stormwater outflow pipe which had a few pinholes due to rust and corrosion.

At that time, it was determined that about 2 gallons per minute of recycled water was running into the pipe and flowing into the Cosumnes River. The first order of business was to stop the flow of water to the river. This was managed with sand bags and small pump powered by a generator. This step was completed at 1:30 PM that day. The District reported this event to CAL OES and has spoken with County Hazmat staff. The District is in the process of providing a report to regional water quality control board outlining the incident and providing direction for a permanent correction.

District staff met with the District's Engineer to come up with an intermediate plan to insert a plug for the pipe to buy the time needed to make a permanent repair of the stormwater manhole area. The District is in the process of working with the District Engineer to develop a design that will become a permanent correction to this issue. As part of this process District staff are researching the history of this system to confirm whether or not the cost of the temporary fix and permanent solution are the responsibility of the District or the Country Club.

Currently the District has roughly \$560,000 in the drainage reserve fund. Once the permanent repair has been designed, the District will have an estimate from the Engineer on the cost range for the repair. The District has been in communication with the Country Club to regulate the level of Lake 11 at a lower elevation until the plug can be installed.