

**SANITARY DISTRICT NO. 5 OF MARIN COUNTY
2001 Paradise Drive
Tiburon, California 94920**

AGENDA

**Capital Improvement Program Committee Meeting
Tuesday, May 11th, 2021, 2:00 p.m.**

CORONA VIRUS (COVID-19) ADVISORY NOTICE

Consistent with Executive Orders No. N-25-20 and No. N-29-20 from the Executive Department of the State of California, the Meeting will not be physically open to the public and all Board Members and Staff will be teleconferencing into the meeting.

How to Submit Public Comments:

Comments submitted prior to the commencement of the meeting will be presented to the Committee and included in the public record for the meeting.

Public Comments are to be submitted via email to rdohrmann@sani5.org.

In addition, members of the public who are calling-in will have the opportunity to provide public comments by following the steps below:

How to Participate in the Meeting:

Join Zoom Meeting by clicking on the following link:

<https://us02web.zoom.us/j/6230620778>

Meeting ID: 623 062 0778

or join by phone:

Call in number: (669) 900-9128

Participant Code: 623 062 0778

I. Roll Call

II. Public Comments

III. New Business

- 1. Review SD5's high-priority capital improvement projects for FY2021-2022**
- 2. Review communication from CA Water Boards, San Francisco Bay Regional Water Quality Control Board re SD5 Sanitary Sewer Cleaning Recycled Water Use Approval**

IV. Adjournment

*This Committee may be attended by Board Members who do not serve on this committee. In the event that a quorum of the entire Board is present, this Committee shall act as a Committee of the Whole. In either case, any item acted upon by the Committee or the Committee of the Whole will require consideration and action by the full Board of Directors as a prerequisite to its legal enactment. **Accessible public meetings:** Any member of the public who needs accommodations should email the Office Manager, at rdohrmann@sani5.org, who will use her best efforts to provide as much accessibility as possible while also maintaining public safety.*

**SANITARY DISTRICT
of MARIN COUNTY**



Capital Improvement Projects

Date: May 2, 2021
To: Robin Dohrmann, Office Manager
From: Tony Rubio, District Manager
Subject: 2021-2022 Fiscal Year Capital Assumptions and Cost Estimate

General Summary:

This Capital Improvement Project List is a general up to date list of anticipated projects for the upcoming fiscal year.

Main Treatment Plant:	Cost:	Priority
<i>Headworks Grinder Replacement</i>	\$25,000	1
<i>Boiler Exhaust Permanent Stainless Piping</i>	\$30,000	1
<i>Influent DW Pump Replacement</i>	\$40,000	1
<i>Influent Sample Room Drain Replacement and Secondary Drain</i>	\$75,000	1
<i>Cl2 Flash Mixer Redundancy</i>	\$15,000	1
<i>Headworks Explosion Proof Electric Hoist</i>	\$10,000	1
<i>Chemical Feed Transfer Pump Replacement</i>	\$20,000	1
<i>Plant water load out and screw press filtering screen</i>	\$30,000	1
TOTAL	\$245,000	

Paradise Cove Plant:	Cost:	Priority
<i>Communications Upgrade (cell)</i>	\$20,000	1
Total	\$20,000	

Tiburon Collection System:	Cost:	Priority
<i>Sewer Line Rehab –</i>	\$1,000,000	1
<i>Man Hole Rehabilitation</i>	\$50,000	1
<i>Pump and Valve Replacement</i>	\$25,000	1
<i>Station #4 Wetwell Rehabilitation Project</i>	\$50,000	1
Total	\$1,125,000	

Belvedere Collection System:	Cost:	Priority
<i>Sewer Line Rehab</i>	\$100,000	1
<i>Cove Road Emergency Generator and Roof Replacement</i>	\$100,000	1
<i>Man Hole Rehabilitation</i>	\$25,000	1
<i>Station #7 Wet Well Rehabilitation Project</i>	\$75,000	1
<i>Pump and Valve Replacement</i>	\$25,000	1
Total	\$325,000	



San Francisco Bay Regional Water Quality Control Board

Sent via email – no hard copy to follow

April 13, 2021
CIWQS Place No. 239497

Sanitary District No. 5 of Marin County
Attn: Tony Rubio, District Manager
2001 Paradise Drive
Tiburon, CA 94920
Sent electronically to trubio@sani5.org

Subject: Sanitary District No. 5 of Marin County, Sanitary Sewer Cleaning Recycled Water Use Approval

Dear Mr. Rubio:

Sanitary District No. 5 of Marin County (District) submitted a letter, dated December 8, 2020 (Letter) (Att. A), requesting to use disinfected secondary effluent (recycled water) produced at the Tiburon Wastewater Treatment Plant (Facility), 2001 Paradise Drive, Tiburon, in Marin County, for sanitary sewer cleaning. This letter confirms that the District may use recycled water from the Facility for sanitary sewer cleaning under the conditions contained herein and specified in the Letter, which include that the recycled water is used in accordance with the specified best management practices (BMPs) to prevent public exposure during transport and use as stated in the Letter.

Project Description

Recycled water will be transferred from the Facility's chlorine contact basin via a 2-inch hose to a Vactor truck for sanitary sewer cleaning. Recycled water will be used periodically to clean sewer lines via jetting and flushing activities to prevent clogging and odor buildup. Jetting directs highly pressurized water against the inner pipe walls to break up and remove debris and grease. Flushing introduces a heavy flow of water into the sewer line to remove debris. The District-owned Vactor truck, with an approximate tank capacity of 1,000 gallons, will be utilized to transport recycled water and for cleaning operations. The recycled water will only be used to clean sanitary sewers owned by the District that convey sewage to the Facility for treatment. The recycled water used for sanitary sewer cleaning will be returned to the Facility for treatment following use.

JIM McGRATH, CHAIR | MICHAEL MONTGOMERY, EXECUTIVE OFFICER

1515 Clay St., Suite 1400, Oakland, CA 94612 | www.waterboards.ca.gov/sanfranciscobay

Regulatory Approach

The District has regulatory coverage for the Facility via National Pollutant Discharge Elimination System (NPDES) Order No. R2-2018-0038, Permit No. CA0037753. California Code of Regulations Title 22 (22 CCR), section 60307 allows hauling and use of "at least undisinfected secondary recycled water" for sanitary sewer flushing. The quality of the recycled water produced at the Facility meets the applicable treatment level and use requirements.

Conditions of Approval

The District may use the recycled water as stated in the Letter provided that the following conditions are ensured:

1. The site-specific BMPs stated in the Letter and listed below are implemented.
 - a. District staff will observe all truck fill operations. District staff will measure the volume required and the volume delivered to the truck to prevent over-filling.
 - b. The Vactor truck will be equipped with signage stating the tank is filled with recycled water.
 - c. Any recycled water remaining in the Vactor truck after completion of cleaning operations will be discharged to the sanitary sewer for treatment and authorized disposal at the Facility.
 - d. Portable signage that is visible to the public will be posted near the sewer cleaning area(s) stating that recycled water is in use.
 - e. Hand washing or hand sanitation stations will be located on the Vactor truck.
 - f. Any person working with recycled water will be advised to wash their hands with soap and potable water or use hand sanitizer after contact with recycled water.
 - g. Recycled water will not be applied as spray, mist, or runoff that could come in contact with external drinking fountains, passing vehicles/pedestrians, or designated eating areas.
 - h. The District's Spill Response Plan will be followed if there is a suspected spill into a storm drain. In particular, nearby creeks and storm drains will be protected from the spilled recycled water by covering and blocking storm drain inlets with BMPs such as an inflatable plug or wattles.
 - i. Equipment will be cleaned over absorbent pads, drip pans, plastic sheeting, or other material to capture all spillage. Waste materials generated during equipment cleaning will be properly disposed of.
2. The District's Spill Response Plan was provided to the San Francisco Bay Regional Water Quality Control Board (Water Board). Since the Spill Response Plan is tailored to sanitary sewer spills, also refer to the Water Board's recycled water spill reporting protocol (Att. B) for the conditions under which recycled water spills must be reported and the protocols for that reporting. The District shall report spills consistent with its Spill Response Plan and the expectations set forth in Att. B.

3. Use of the recycled water in a manner different from that described in the Letter is prohibited unless approved by the Water Board's Executive Officer.
4. The use and discharge of recycled water shall not create a condition of pollution, contamination, or nuisance as defined by California Water Code Section 13050.
5. Vehicles, tanks, and containers must have water-tight valves and fittings and must not leak or spill contents during transport.

If any changes related to the use of recycled water occur in the course of operation, the Letter shall be updated accordingly with relevant additional information and submitted to us for review and acceptance prior to implementing the changes.

The requirement to submit information regarding spills is a requirement to submit a technical report pursuant to California Water Code section 13267. The burden, including costs, of these reports bears a reasonable relationship to the need for the report and the benefits to be obtained for the reports. Specifically, the requested reports are necessary to protect human health, beneficial uses, and the environment.

If you have any questions, please contact Melissa Gunter of my staff at (510) 622-2390 or via email to melissa.gunter@waterboards.ca.gov.

Sincerely,



Digitally signed by
Keith H. Lichten,
Division Chief
Date: 2021.04.13

for Michael Montgomery
Executive Officer

Water Boards
12:31:14 -07'00'

Attachments: A: Sanitary District Best Management Practices Letter
B: Water Board Recycled Water Spill Response Protocol

Cc (via email): Water Board
James Parrish, James.Parrish@waterboards.ca.gov
Margaret Monahan, Margaret.Monahan@waterboards.ca.gov
Larry Walker Associates, Inc.
Denise H. Conners, denisec@lwa.com

SANITARY DISTRICT NO. 5 OF MARIN COUNTY

BOARD OF DIRECTORS
TOD MOODY, PRESIDENT
CATHARINE BENEDIKTSSON
JOHN CARAPIET
MICHAEL LASKY
RICHARD SNYDER

2001 PARADISE DRIVE
P.O. BOX 227
TIBURON, CALIFORNIA 94920
TELEPHONE (415) 435-1501
FAX (415) 435-0221

ANTONIO RUBIO
DISTRICT MANAGER
ROBIN DOHRMANN
OFFICE MANAGER

December 8, 2020

Melissa Gunter
Water Resources Control Engineer
San Francisco Bay Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612

By email only: Melissa.Gunter@waterboards.ca.gov

Dear Ms. Gunter,

SUBJECT: USE OF RECYCLED WATER PRODUCED AT THE TIBURON WASTEWATER TREATMENT PLANT FOR SANITARY SEWER CLEANING

The Sanitary District No. 5 of Marin County (District) is requesting authorization to use disinfected secondary-treated recycled water produced at the Tiburon Wastewater Treatment Plant (WWTP) for sanitary sewer cleaning. The recycled water will only be used to clean sanitary sewers owned by the District that convey sewage to the WWTP for treatment, disinfection, and discharge. The quality of recycled water produced at the WWTP is sufficient for sanitary sewer cleaning based on CCR Title 22 Section 60307(c) which states that recycled water used for sanitary sewer cleaning must be at least undisinfected secondary recycled water. In addition, the use of recycled water for sanitary sewer cleaning is suitable and appropriate because it will be returned to the WWTP for treatment and will eliminate potable water currently used for this purpose.

The recycled water will be used periodically to clean sewer lines which prevents clogging and/or odor buildup. The recycled water is anticipated to be used in jetting and flushing activities. Jetting is the process in which highly pressurized water is directed against the inner pipe walls to break-up and remove debris and grease. Flushing, which is typically used with other sewer cleaning methods, is the process in which a heavy flow of water is introduced into the sewer line to remove debris. A Vactor truck [tank capacity of 1,000 gallons] that is owned by the District and operated by District staff will be utilized for transport of recycled water and cleaning operations. The Vactor truck will be filled with recycled water obtained at Tiburon Main Treatment Plant *directly from the chlorine contact basin* and transferred to the truck by a 2-inch hose connected to the Plant Water system. This plant water load-out will be located indoors next to the chemical feed loading area in which spill protections exist, in drains that feed back into the influent sewer.

When recycled water is used for sanitary sewer cleaning, the primary environmental concerns are public exposure and spills during truck fill-up and cleaning operations. The following Best Management Practices (BMPs) will be implemented by the District to minimize public exposure and prevent spills.

- District staff will observe all truck fill operations. District staff will measure the volume required and the volume delivered to the truck to prevent over-filling.
- The Vactor truck will be equipped with signage stating the tank is filled with recycled water.
- Any recycled water remaining in the Vactor truck after completion of cleaning operations will be discharged to the sewer for treatment and authorized disposal at the WWTP.
- Portable signage (visible to the public) will be erected near the sewer cleaning area stating that recycled water is in use.
- Hand washing or hand sanitation stations will be located on the Vactor truck.
- Any person working with recycled water will be advised to wash their hands with soap and potable water or use hand sanitizer after contact with recycled water.
- Recycled water will not be applied as spray, mist, or runoff that could come in contact with external drinking fountains, passing vehicles/pedestrians, or designated eating areas.

- The District's Spill Response Plan will be followed if there is a suspected spill into a storm drain. In particular, nearby creeks and storm drains will be protected from the spilled recycled water by covering and blocking drain inlets.
- Equipment will be cleaned over absorbent pads, drip pans, plastic sheeting or other material to capture all spillage. Waste materials generated during equipment cleaning will be properly disposed.

Feel free to contact me at (415) 435-1501 ext. 106 or trubio@sani5.org if you have questions or need additional information.

Sincerely,



Tony Rubio
District Manager

Cc. James Parrish, SF Bay Regional Water Board, James.Parrish@waterboards.ca.gov

San Francisco Bay Regional Water Quality Control Board
Recycled Water Spill Notification Protocol

A. For any spill or other unauthorized release of more than 50,000 gallons of recycled water that discharges to land and overflows outside of the use area, the Site Supervisor or designated agency contact identified in the Recycled Water Program must take the following steps:

1. As soon as emergency response measures are completed, but no later than **24 hours** after the spill or other unauthorized release, notify the San Francisco Bay Regional Water Quality Control Board via the email addresses listed below.
2. Notify the Regional Water Board Spill Line via telephone or email.
3. Provide written confirmation via email to the Regional Water Board within **15 calendar days** from the date of notification that includes the information listed below.

B. For any spill or other releases greater than 1,000 gallons of recycled water that discharges to surface water or may reach surface water (e.g., drainage ditch, storm drain), the Site Supervisor or designated agency contact identified in the Recycled Water Program must take the following steps:

1. As soon as emergency response measures are completed, but no later than **24 hours** after the spill or other unauthorized release, notify the Regional Water Board via email and telephone.
2. Notify the Regional Water Board Spill Line via telephone or email. Staff may advise to contact the California Office of Emergency Services.
3. Provide written confirmation via email to the Regional Water Board within **15 calendar days** from the date of notification that includes the information listed below.
4. For spills or other unauthorized releases of recycled water greater than **50,000 gallons** that have **not been dechlorinated** and discharge to **surface water**, collect, at a minimum, a water quality sample of the recycled water and analyze for residual chlorine. If accessible and feasible, provide a sampling result at the point of discharge to the surface water.

Provide the following information when you notify the agencies:

- a. Date and time the spill began and ended
- b. Location of the spill
- c. If the spill entered a storm drain or surface water. Name of surface water if known
- d. Estimated volume of the spill or flow if the spill is ongoing
- e. Estimated time of repair
- f. Cause of the spill
- g. Agencies involved with the response actions
- h. Corrective actions taken or plans for corrective action
- i. Whether adverse impacts related to the spill were observed such as excessive sedimentation or a fish kill
- j. Photograph(s), coordinates, or a map of the spill location.¹
- k. Recycled water chlorine residual value (if the spill volume is greater than 50,000 gallons to surface water. Refer to section B.4 above for applicable conditions).

A spill reporting form is attached that can be used as a template but is not required. Attach any other relevant information that is not addressed in the form.

Spill Contact Information

San Francisco Bay Regional Water Quality Control Board

Phone: (510) 622-2390

Contact: Melissa Gunter

Email: Melissa.Gunter@waterboards.ca.gov
WDR.monitoring@waterboards.ca.gov

San Francisco Bay Regional Water Quality Control Board Spill Line

Phone: (510) 622-2369

Email: RB2SpillReports@waterboards.ca.gov

California Office of Emergency Services

Phone: (916) 845-8911 or (800) 852-7550

¹ If a map is prepared, the spill location can be hand drawn on the map.

**San Francisco Bay Regional Water Quality Control Board
Recycled Water Spill Reporting Form**

Name:

Phone:

Agency:

Site Name:

Location:

Date:

Contact for Follow-up (Name/Phone):

INFORMATION ON SPILL OR UNAUTHORIZED DISCHARGE

Date/time spill or discharge began:

Date/time spill or discharge ended:

Location of spill or discharge:

Did the recycled water enter or will it enter storm drains or receiving waters (e.g., rivers, creeks, lakes, or ocean); if so identify.

Estimated volume of spill or discharge (gallons):

Estimated time of repair:

If still ongoing, estimate flow rate (gallons/minute):

Agencies/entities involved with repair and/or clean-up:

Cause of the spill or discharge:

Corrective actions taken and when, or plan to correct spill/discharge:

**San Francisco Bay Regional Water Quality Control Board
Recycled Water Spill Reporting Form**

Name:

Phone:

Agency:

Site Name:

Location:

Date:

Contact for Follow-up (Name/Phone):

INFORMATION ON SPILL OR UNAUTHORIZED DISCHARGE

Date/time spill or discharge began:

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Did the recycled water enter or will it enter storm drains or receiving waters (e.g., rivers, creeks, lakes, or ocean); if so identify.

Estimated volume of spill or discharge (gallons):

Estimated time of repair:

If still ongoing, estimate flow rate (gallons/minute):

Agencies/entities involved with repair and/or clean-up:

Cause of the spill or discharge:

Corrective actions taken and when, or plan to correct spill/discharge:

DECISION/ACTION ITEM LOG
CIP Committee: May 11, 2021
Sanitary District No. 5 of Marin County
ACTIVE ITEMS SHEET

No.	Item	Submission Date	Responsible Party	DECISION ONLY		ACTION REQUIRED		Comment/Reference Document
				Due	Completed	Due	Completed	
29	Cove Rd. Force Main Replacement Project	3.12.19	Nute/TR/CIP					Nute Preparing Bid Docs, as of 3.12.19; Waiting for CalTrans response re horizontal drilling, as of 5.14.19; Still working w/ CalTrans, waiting for approval, as of 11.12.19; Design Review from Nute, 12.10.19, 1.14.19, 2.11.20; Received Caltrans Permit, 3.9.2020; Notice for Sealed Bid @ Marin IJ on 4.28.2020 w/ Bids due 5.19.2020; Posted RFP at SD5 Wesbite, (http://www.sani5.org/about/contracts-proposals-bidding), 5.5.2020; Project granted to Maggiora & Ghilotti, Inc.; Work to begin on 7.27.2020; Job well underway and progressing smoothly, as of 10.13.2020; Job is 70% complete, as of 11.10.2020; Job is 95% complete, as of 2.9.2021; Project substantially completed as of 2.25.2021; Final/close-out billing to be approved at 5.20.21 Board Meeting
31	FY2020-2021 Sewer Rehab Project		CIP/TR					Small project for Paradise Cove; Engineering to begin in Dec 2020, as of 7.14.2020; Jan 2021, as of 12.8.2020; Will begin once SD5 Collection System Master Plan is in place, as of April 13, 2021
32	SD5 Collection Sytsem Master Plan		CIP/TR					Posted RFP at SD5 Wesbite, (http://www.sani5.org/about/contracts-proposals-bidding), 5.5.2020; Revised RFP from HDR, as of 7.14.2020; Underway, as of 11.10.2020; CIP asking final questions.tweaking reports, etc., as of 2.9.2021; Presenting Final Draft @ 4.15.2021 Regular Board Mtg