State Water Resources Control Board

Division of Drinking Water

MONTHLY SUMMARY OF REVISED TOTAL COLIFORM RULE DISTRIBUTION SYSTEM MONITORING

(For public water systems serving more than 400 service connections OR 1,000 persons, OR wholesaler systems)
(Includes triggered source monitoring for Groundwater Rule compliance)

System Name:	System Number:
Santa Clara Valley Water District	**4310027**
Sampling Period: Month: **April**	Year: **2023**

	Number Required	Number Collected	Number Total Coliform Positives	Number E.Coli Positives
1. Routine Samples (see note 1) :	164	206	0	0
2. Repeat Samples following samples that are Total Coliform POSITIVE and E.coli NEGATIVE (see notes 2, 10 and 11) :		0	0	0
3. Repeat Samples following routine samples that are Total Coliform POSITIVE and E. coli POSITIVE (see notes 2, 3, 10 and 11) :		0	0	0
4. Coliform Treatment Technique (TT) Trigger Exceedance % and E.coli /MCL Computation for Total Coliform/E.Coli Positive Samples				
a. Totals (sum of columns) :	164	206	0	
b. If 40 or more samples are collected in the month, determine percent of samples that are Total Coliform positive. ([total number positive / total number collected] x 100):	0.00 %			
c. Did the system violate the E.coli MCL (see note 2 through 5)?		☐ Yes	☒ No	
Did the system trigger... a LEVEL 2 Assessment TT? (See notes 2, 3, 4 ,5 and 6 for trigger info) *If Yes, see note 8 below.*		☐ Yes	☒ No	
... a LEVEL 1 Assessment TT? (See notes 7 for trigger info) *If Yes, see note 9 below.*		☐ Yes	☒ No	
5. Triggered Source Samples per Groundwater Rule (see notes 12 and 13)		0	0	0

6. Invalidated Samples

(note what samples, if any, were invalidated; why they were invalidated; who authorized the invalidation; and when replacement samples were collected. Attach additional sheets, if necessary.

7. Summary Completed By:

Name/Signature:	Title:	Date:
	Surjit Saini Laboratory Manager	05/08/2023

NOTES AND INSTRUCTIONS:

1. Routine samples include:
   a) Samples required pursuant to 22 CCR Section 64423 and any additional samples required by an approved routine sample siting plan established pursuant to 22 CCR Section 64422
   b) Extra samples for systems with high source water turbidities that are using surface water or groundwater under direct influence of surface water and do not practice filtration in compliance with regulations;

Notes 2-5 (boxed entries) are E. coli MCL violations and require immediate notification to the Division (22 CCR, Section 64426.1):

2. Any E.coli positive repeat following a total coliform positive sample.
3. NA total coliform positive repeat, following an E.coli positive routine sample.
4. Failure to take all required repeat samples following an E. coli positive routine sample.
5. Failure to test for E. coli when any repeat sample tests positive for total coliform
6. Note: Second Level 1 treatment technique trigger in a rolling 12-month period.
7. **Level 1 Coliform Treatment Technique (TT) Triggers:**
   a. For systems collecting less than 40 samples, if two or more samples are total coliform positive, then the TT is violated and a Level 1 Assessment is required
   b. For systems collecting 40 or more samples, if more than 5.0 percent of samples collected are total coliform positive, then the TT is violated and a Level 1 Assessment is required.
   c. If a trigger is exceeded as a result of a total coliform positive repeat sample, the system must notify the Division by the end of business day, section 64424(c)
8. Contact the Division as soon as practical to arrange for the division to conduct a Level 2 Assessment of the water system. The water system shall complete a Level 2 Assessment and submit it to the Division within 30 days of learning of the trigger exceedance.
9. Conduct a Level 1 Assessment in accordance with as soon as practical that covers the minimum elements (22, CCR, Section 64426.8 (a), (2). Submit the report to the Division within 30 days of learning of the trigger exceedance.
10. Positive results and their associated repeat samples must be tracked on the Coliform Monitoring Worksheet
11. Repeat samples must be collected within 24 hours of being notified of the positive results. . At least 3 repeat samples must be collected for each total coliform positive sample.
12. For systems subject to the Groundwater Rule: Positive results and the associated triggered source samples are to be tracked on the Coliform Monitoring Worksheet.
13. For triggered sample(s) required as a result of a total coliform routine positive sample, an E.coli positive triggered sample (boxed entry) **requires immediate notification to the Division, Tier 1 public notification, and corrective action.**

Valley Water System # 4310027

Report for: Penitencia, Rinconada, Santa Teresa Water Treatment Plants

Start: 4/1/2023 End: 4/30/2023

Primary Standards - Mandatory Health-Related Standards

	Units	MCL	DLR	PWTP Influent	PWTP Treated	RWTP Influent	RWTP Treated	STWTP Influent	STWTP Treated
Aluminum	ug/L	1000	50	758	ND	968	ND	863	ND
Antimony	ug/L	6	6	ND	ND	ND	ND	ND	ND
Arsenic	ug/L	10	2	ND	ND	ND	ND	ND	ND
Barium	ug/L	1000	100	ND	ND	ND	ND	ND	ND
Beryllium	ug/L	4	1	ND	ND	ND	ND	ND	ND
Bromate	ug/L	10	1	NT	ND	NT	NT	NT	ND
Cadmium	ug/L	5	1	ND	ND	ND	ND	ND	ND
Chromium	ug/L	50	10	ND	ND	ND	ND	ND	ND
Fluoride	mg/L	2	0.1	ND	0.7	ND	ND	ND	0.7
Mercury	ug/L	2	1	ND	ND	ND	ND	ND	ND
Nickel	ug/L	100	10	ND	ND	ND	ND	ND	ND
Nitrate as Nitrogen	mg/L	10	0.4	ND	ND	0.6	0.5	ND	ND
Nitrite as Nitrogen	mg/L	1	0.4	ND	ND	ND	ND	ND	ND
Perchlorate	ug/L	6	2	ND	ND	ND	ND	ND	ND
Selenium	ug/L	50	5	ND	ND	ND	ND	ND	ND
Thallium	ug/L	2	1	ND	ND	ND	ND	ND	ND
Dibromoacetic Acid	ug/L	NS	1	NT	ND	NT	ND	NT	ND
Dichloroacetic Acid	ug/L	NS	1	NT	5.6	NT	8.5	NT	4.2
Monobromoacetic Acid	ug/L	NS	1	NT	ND	NT	ND	NT	ND
Monochloroacetic Acid	ug/L	NS	2	NT	ND	NT	ND	NT	ND
Trichloroacetic Acid	ug/L	NS	1	NT	8.5	NT	11.6	NT	4.5
Total Haloacetic Acids (5)	ug/L	60	NS	NT	14.06	NT	20.04	NT	8.74
Bromodichloromethane	ug/L	NS	1	NT	5.8	NT	9.8	NT	10.0
Bromoform	ug/L	NS	1	NT	ND	NT	ND	NT	ND
Chloroform	ug/L	NS	1	NT	15.4	NT	21.7	NT	15.5
Dibromochloromethane	ug/L	NS	1	NT	2.6	NT	2.4	NT	4.1
Total Trihalomethanes	ug/L	80	NS	NT	23.77	NT	33.96	NT	29.67

Secondary Standards - Aesthetic Standards

	Units	MCL	DLR	PWTP Influent	PWTP Treated	RWTP Influent	RWTP Treated	STWTP Influent	STWTP Treated
Apparent Color	Color Unit	NS	NS	180	3	150	3	200	3
Chloride	mg/L	NS	NS	13	16	25	27	36	38
Conductivity	umhos/cm @ 25C	NS	NS	266	326	318	371	400	457
Copper	ug/L	1300	50	ND	ND	ND	ND	ND	ND
Iron	ug/L	NS	NS	622.3	<20	792.9	<20	856.2	<20
Manganese	ug/L	NS	NS	25	3	24	<1	39	<1
pH	pH units	NS	NS	8.2	7.7	8.0	7.6	7.7	7.7
Silver	ug/L	NS	NS	<1	<1	<1	<1	<1	<1
Sulfate	mg/L	NS	NS	23.1	50.6	28.3	50.6	28.0	46.6
Total Dissolved Solids at 180C	mg/L	NS	NS	184	202	186	200	236	258
Turbidity	NTU	NS	NS	14.0	0.3	13.0	0.7	9.0	0.4
Zinc	ug/L	NS	NS	<10	<10	<10	<10	<10	<10

Valley Water System # 4310027

Report for: Penitencia, Rinconada, Santa Teresa Water Treatment Plants

Start: 4/1/2023 End: 4/30/2023

Additional Constituents Analyzed

	Units	MCL	DLR	PWTP Influent	PWTP Treated	RWTP Influent	RWTP Treated	STWTP Influent	STWTP Treated
Bicarbonate (as HCO3)	mg/L	NS	NS	110	99	106	95	136	122
Boron	ug/L	NS	NS	98	100	97	94	111	112
Bromide	mg/L	NS	NS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium	mg/L	NS	NS	24.1	24.1	23.5	22.5	27.7	27.6
Carbonate (as CO3)	mg/L	NS	NS	<5	<5	<5	<5	<5	<5
Chlorate	ug/L	NS	NS	NT	105	NT	75	NT	161
Hardness	mg/L	NS	NS	96	67	98	97	126	126
Hexavalent Chromium	ug/L	NS	NS	<1	<1	<1	<1	<1	<1
Hydroxide (as OH)	mg/L	NS	NS	<5	<5	<5	<5	<5	<5
Lead	ug/L	15	5	ND	ND	ND	ND	ND	ND
Magnesium	mg/L	NS	NS	13.0	12.6	12.8	12.0	18.3	18.0
Phosphate, Ortho (as PO4)	mg/L	NS	NS	<0.1	1.04	0.10	1.10	0.11	0.98
Potassium	mg/L	NS	NS	2.3	2.2	2.3	2.1	2.3	2.2
Sodium	mg/L	NS	NS	14.7	25.3	14.3	23.7	21.8	33.3
Temperature	Deg C	NS	NS	14.8	14.9	14.0	15.0	14.4	15.9
Total Alkalinity (as CaCO3)	mg/L	NS	NS	91	82	87	78	112	100
Total Organic Carbon	mg/L	NS	NS	4.30	1.87	4.23	2.03	6.30	2.77
Vanadium	ug/L	NS	NS	4	1	4	1	4	1

MCL = Maximum Contaminant Level
DLR = Detection Limit for Reporting
PWTP = Penitencia Water Treatment Plant
RWTP = Rinconada Water Treatment Plant
STWTP = Santa Teresa Water Treatment Plant

mg/L = milligrams per liter
ug/L = micrograms per liter
Deg. C = Degree Celsius
CFU/mL = colony forming units per milliliter
umhos/cm = micromhos per centimeter
NTU = nephelometric turbidity units

ND = Not Detected
NT = Not Tested
NS = No Standard
NR = Not Reported