



**BRACEWELL ENGINEERING, INC.**

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April 10, 2023

Mr. Eric Lacy  
State Water Resources Control Board-Division of Drinking Water  
850 Marina Bay Parkway, Building P, 2nd Floor  
Richmond, CA 94804

Re: March 2023 Monthly Report to the Office of Drinking Water  
La Honda Water System (County Service Area No. 7), No. CA4100509

Dear Mr. Lacy:

Attached are the monitoring report, the Coliform Reporting Form, and the Monthly Summary of Monitoring for Surface Water Treatment Regulations for the La Honda Water System.

- The monthly distribution system treated water bacteriological sample showed an absence of total coliforms and E. coli.
- Chlorine residuals were maintained as required.
- The quarterly disinfection byproducts monitoring was completed, and the results will be reported once received.
- A Boil Water Notice was distributed on March 23 due to a loss of pressure in the in the Memory Lane and Trailer Park distribution area.
- The Surface Water Treatment System refurbishment project was completed, but the SWTP was not run for the entire month. Per discussions with DDW, coliform samples were collected from the delivery truck during five deliveries and an additional sample was taken from the storage tank effluent. All coliform samples were non-detect.

Please do not hesitate to contact me if you have any questions.

Respectfully submitted,  
BRACEWELL ENGINEERING, INC.

Lloyd W. Bracewell, PhD., RCE  
Water System Engineer

cc: San Mateo County, CSA #7  
BEI Office

La Honda Water System (CSA No. 7)  
 555 County Center, 5th Floor  
 Redwood City, CA 94063  
 System No. CA4100509

WATER SYSTEM MONITORING REPORT

Water Resources Control Board  
 Division of Drinking Water  
 850 Marina Bay Parkway, Bldg P  
 Richmond, CA 98804

Location	Raw Water	Raw Water	Raw Water	Treated Water	Backwash
Parameter	Tank	Tank	Flow	Flow	Flow
frequency	daily	daily	calculation	calculation	calculation
Units	ft	ft	gal/d	gal/d	gal/d
Type	level	level	flow	flow	flow
High Limit					
Low Limit					
Date					
3/1/2023			(910)	3,389	991
3/2/2023			(910)	3,389	991
3/3/2023			(910)	3,389	991
3/4/2023			(910)	3,389	991
3/5/2023			(910)	3,389	991
3/6/2023			(910)	3,389	991
3/7/2023			(910)	3,389	991
3/8/2023			(910)	3,389	991
3/9/2023			(910)	3,389	991
3/10/2023			(910)	3,389	991
3/11/2023			(910)	3,389	991
3/12/2023			(910)	3,389	991
3/13/2023			(910)	3,389	991
3/14/2023			(910)	3,389	991
3/15/2023			(910)	3,389	991
3/16/2023			(910)	3,389	991
3/17/2023			(910)	3,389	991
3/18/2023			(910)	3,389	991
3/19/2023			(910)	3,389	991
3/20/2023			(910)	3,389	991
3/21/2023			(910)	3,389	991
3/22/2023			(910)	3,389	991
3/23/2023			(910)	3,389	991
3/24/2023			(910)	3,389	991
3/25/2023			(910)	3,389	991
3/26/2023			(910)	3,389	991
3/27/2023			(910)	3,389	991
3/28/2023			(910)	3,389	991
3/29/2023			(910)	3,389	991
3/30/2023			(910)	3,389	991
3/31/2023			(910)	3,389	991

Min	-	-	(910)	3,389	991
Max	-	-	(910)	3,389	991
Average			(910)	3,389	991
Total			(28,202)	105,074	30,728



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 555 County Center, 5th Floor  
 Redwood City, CA 94063  
 System No. CA4100509

WATER SYSTEM MONITORING REPORT

Water Resources Control Board  
 Division of Drinking Water  
 850 Marina Bay Parkway, Bldg P  
 Richmond, CA 98804

Location		Routine Sample Site	Water Tank (Weekly)
Parameter		Cl2 Residual	Cl2 Residual
frequency		as needed	weekly
units		mg/L	mg/L
Type		grab	grab
High Limit			
Low Limit			
Date	Oper. Initials		
3/1/2023	KB	0.22	
3/2/2023			
3/3/2023			
3/4/2023			
3/5/2023			
3/6/2023			
3/7/2023			
3/8/2023	KB	0.29	
3/9/2023			
3/10/2023			
3/11/2023			
3/12/2023			
3/13/2023			
3/14/2023			
3/15/2023			
3/16/2023			
3/17/2023	KB	0.25	
3/18/2023			
3/19/2023			
3/20/2023			
3/21/2023			
3/22/2023	KB	0.23	
3/23/2023			
3/24/2023			
3/25/2023			
3/26/2023			
3/27/2023			
3/28/2023			
3/29/2023	KB	0.24	
3/30/2023			
3/31/2023			

Min	-	0.22	-
Max	-	0.29	-
Average		0.25	
Total			

State of California  
Water Resources Control Board  
Division of Drinking Water  
Coliform Reporting Form

Date of Report: 4/10/2023

System Name: La Honda Water System (CSA #7)

System Number: CA4100509

Laboratory: BEI Analytical Laboratory

Elap No: 3019

Signature of Lab Director: *Kyle W. Bracwell*

Report Period from: 3/1/2023 to 3/31/2023

Sampler: Keefe Brennan

Employed by: Bracwell Engineering, Inc.

Collection Date	Laboratory Number	Bottle Number	Site Name or Street Address	Sample Type	Total Coliform	E. Coli	Remarks
3/21/2023			APN 240070	1	A	A	SM 9223B-18
3/21/2023			Raw Water	4	1	1	SM 9223 B-18 (MPN)
3/10/2023			Filtered Discharge	4	1	<1.0	SM 9223 B-18 (MPN)
3/13/2023			Filtered Discharge	4	5.3	<1.0	SM 9223 B-18 (MPN)
3/14/2023			Filtered Discharge	4	<1	<1	SM 9223 B-18 (MPN)
3/14/2023			Filtered Discharge	4	<1	<1	SM 9223 B-18 (MPN)
3/15/2023			Filtered Discharge	4	<1	<1	SM 9223 B-18 (MPN)
3/15/2023			Filtered Discharge	4	<1	<1	SM 9223 B-18 (MPN)
3/16/2023			Water Delivery Truck	4	A	A	SM 9223B-18
3/17/2023			Water Delivery Truck	4	A	A	SM 9223B-18
3/18/2023			Water Delivery Truck	4	A	A	SM 9223B-18
3/20/2023			Water Delivery Truck	4	A	A	SM 9223B-18
3/20/2023			Water Tank	4	A	A	SM 9223B-18
3/28/2023			Water Delivery Truck	4	A	A	SM 9223B-18
3/28/2023			Water Tank	4	A	A	SM 9223B-18
3/29/2023			1 Memory	4	A	A	SM 9223B-18
3/29/2023			8181 La Hona Road	4	A	A	SM 9223B-18
3/30/2023			1 Memory	4	A	A	SM 9223B-18
3/30/2023			8181 La Hona Road	4	A	A	SM 9223B-18

1 = Routine

P = Present

2 = Repeat

A = Absent

3 = Replacement

4 = Other

Incidents of turbidity greater than 1.0 NTU

Date of Incident				
Value				
Duration				

Total Number of incidents where turbidity is > 1.0 NTU: 0  
 Total Number of incidents where turbidity is > 5.0 NTU: 0  
 Meets Standards (i.e. NTU is not > 1.0 for more than eight consecutive hours) (Y/N)? Y

After placing a filter back into service after any interruption (e.g. backwashing), did the filter effluent comply with the following criteria:

a. < 2.0 NTU after all events (Y/N)? Y  
 b. < 1.0 NTU after 90% of events (Y/N)? Y  
 c. < 0.5 NTU after 4 hours (Y/N)? Y

Indicate the date that the turbidimeters that are used for regulatory monitoring purposes were calibrated

Date	Which Turbidimeter	Standard used (primary/secondary)	Date	Which Turbidimeter	Standard Used (primary/secondary)
1/28/2022	Hach, raw wtr	0/20 Formazin	1/28/2022	Hach, treated	0/20 Formazin
4/28/2022	Hach, raw wtr	0/20 Formazin	4/28/2022	Hach, treated	0/20 Formazin
7/22/2022	Hach, raw wtr	0/20 Formazin	7/22/2022	Hach, treated	0/20 Formazin
10/26/2022	Hach, raw wtr	0/20 Formazin	10/26/2022	Hach, treated	0/20 Formazin
1/27/2023	Hach, raw wtr	0/20 Formazin	1/27/2023	Hach, treated	0/20 Formazin

Disinfection Process Data

Disinfectant residual type: free chlorine: X combined chlorine: \_\_\_\_\_ other (specify) \_\_\_\_\_

Incidents of chlorine residuals less than 0.2 ppm at the plant effluent:

Date of Incident				
Duration				
Date Dept. Notified				

Total number of incidents where residual is < 0.2 ppm: 0  
 Meets standard (i.e. not less than 0.2 ppm for more than four hours) (Y/N)? Y

No. of distribution system residual samples collected:	1
No of distribution system samples for HPC only:	
Total No. residual and/or HPC samples collected:	1
No. of samples with no detectable residual and HPC is not measured:	0
No. of samples with no residual and HPC > 500 CFU/ml:	
No. of samples for HPC only and HPC > 500 CFU/ml:	
Total No. Samples with no residual and/or HPC > 500 CFU/ml:	0

Compute V where  $V = [ 1 - ( \text{Total number of samples with no residual and/or HPC} > 500 ) / ( \text{Total number of residual and/or HPC samples collected} ) ] \times 100 =$  100%

Meets Standard (i.e V > 95%) (Y/N) Y

## Summary of Water Quality Complaints

### General Complaints

Type of Complaint	Number	Corrective Actions Taken
Taste/Odor	0	
Color	0	
Turbidity	0	
Suspended Solids	0	
Other (describe)	0	

### Reports of Gastrointestinal Illness (Attach additional sheets if necessary):

Person Reporting	Date	Corrective Actions Taken

Attach explanation of any failure of the performance standards or operating criteria and corrective action taken or planned

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Signature:

*Gregory W. Beaman*

Date:

4/10/23

**Quarterly Report for Disinfectant Residuals Compliance  
For Systems Using Chlorine or Chloramines**

System Name: La Honda Water System (CSA #7) System No.: 4100509

Calendar Year: 2023 Quarter: 1

1st Quarter		
Month	Number of Samples Taken	Monthly Ave. Chlorine Level (mg/L)
7/12/2010	April	1.10
	May	1.16
	June	1.09
	July	1.48
	August	1.63
	September	1.70
	October	1.29
	November	1.32
	December	1.06
	Current Year	January
February		5
March		17
Running Annual Average (RAA):		1.10
Meets standard? (i.e. RAA ≤ MRDL of 4.0 mg/L as Cl <sub>2</sub> )		Yes

2nd Quarter		
Month	Number of Samples Taken	Monthly Ave. Chlorine Level (mg/L)
Previous Year	July	1.48
	August	1.63
	September	1.70
	October	1.29
	November	1.32
	December	1.06
	Current Year	January
February		0.56
March		0.44
April		
May		
June		
Running Annual Average (RAA):		
Meets standard? (i.e. RAA ≤ MRDL of 4.0 mg/L as Cl <sub>2</sub> )		

3rd Quarter		
Month	Number of Samples Taken	Monthly Ave. Chlorine Level (mg/L)
Previous Yr	October	1.29
	November	1.32
	December	1.06
Current Year	January	0.42
	February	0.56
	March	0.44
	April	
	May	
	June	
	July	
	August	
	September	
	Running Annual Average (RAA):	
Meets standard? (i.e. RAA ≤ MRDL of 4.0 mg/L as Cl <sub>2</sub> )		

4th Quarter		
Month	Number of Samples Taken	Monthly Ave. Chlorine Level (mg/L)
Previous Yr	January	0.42
	February	0.56
	March	0.44
Current Year	April	
	May	
	June	
	July	
	August	
	September	
	October	
	November	
	December	
	Running Annual Average (RAA):	
Meets standard? (i.e. RAA ≤ MRDL of 4.0 mg/L as Cl <sub>2</sub> )		

Comments:

Signature: *Greg W. Brumwell*

Date: 4/10/2023