

February 10, 2022

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

Re: January 2022 Monthly Report to the Office of Drinking Water La Honda Water System (County Service Area No. 7), No. W4100509

Dear Mr. Lacy:

Attached are the Monthly Summary of Distribution System Coliform Monitoring 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.

A leak was detected in December on Pope Rd. and a boil water notice was distributed to homeowners in the affected area on December 30. The line was repaired, and coliform samples collected on January 4 and 5 and were negative for total coliforms and E. coli. The line was put back into service and the boil water notice cancellation was distributed on January 5.

Chlorine residuals were maintained as required and turbidity levels did not exceed 0.3 NTU when treating water for domestic use. The minimum disinfection CT ratio was 1.5, which is above the DDW required 1-log removal for Giardia.

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

Respectfully submitted, BRACEWELL ENGINEERING, INC.

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

cc: San Mateo County, CSA #7 BEI Office

La Honda Wa 555 County Redwood Cit System No.	ter System (CS Center, 5th F1 y, CA 94063 4100509	A No. 7) oor	Divisio 850 Mar	esources Control n of Drinking Wa ina Bay Parkway, d, CA 98804	Board ter Bldg P					
Station: Test: Units: Type: Frequency: Date	Finish Wtr FLOW gal/day calculated daily	Finish Wtr TEMP deg C grab weekly	Finish Wtr PH std units grab weekly	Finish Wtr CL2 RESID mg/L continuous daily	ContctPipe CT VALUE min-mg/L calculated daily	Finish Wtr CT REQUIRD min-mg/L calculated daily	ContctPipe CT RATIO ratio calculated daily	Finish Wtr TURBIDITY NTU continuous daily	Raw Water TURBIDITY NTU continuous daily	Finish Wtr TRB/PH/CL2 initials calib check weekly
01/01/22 01/02/22 01/03/22 01/04/22 01/05/22 01/06/22 01/07/22 01/08/22 01/09/22 01/10/22 01/10/22 01/11/22 01/12/22 01/13/22 01/14/22 01/15/22 01/16/22 01/16/22	$50033 \\ 50033 \\ 46300 \\ 46300 \\ 46300 \\ 46300 \\ 44150 \\ 44150 \\ 44150 \\ 44150 \\ 44150 \\ 44150 \\ 44150 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7	7.36 7.64 7.54 7.76 7.71 7.51 7.63 7.78 7.67 7.80 7.61 7.63	1.78 1.76 1.84 1.87 2.05 2.12 2.13 2.37 1.55 1.32 1.98 2.12	50.14 49.57 51.83 52.67 57.74 59.99 66.75 43.66 37.18 55.77 59.71	20.8 23.0 22.3 24.2 24.1 22.5 23.5 25.2 23.9 24.4 24.3 24.7	2.4 2.2 2.3 2.2 2.4 2.7 2.6 2.6 1.8 1.5 2.3 2.4	$\begin{array}{c} 0.05\\ 0.10\\ 0.07\\ 0.06\\ 0.04\\ 0.05\\ 0.04\\$	6.79 5.59 5.60 8.90 5.25 4.67 5.22 4.49 4.49 3.60 3.31 2.61	KB
01/18/22 01/19/22 01/20/22 01/21/22 01/22/22	0 0 31700 0	11.0	7.50	2.80	78.87	24.6	3.2	0.04	2.00	KB
01/22/22 01/23/22 01/24/22 01/25/22 01/26/22 01/27/22 01/28/22 01/29/22 01/30/22 01/31/22	0 52350 52350 47650 47650 30067 30067 30067 0	$\begin{array}{c} 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \\ 10.6 \end{array}$	7.81 7.76 7.54 7.80 7.60 7.99 7.42	1.85 1.54 2.03 2.21 2.26 1.54 1.43	52.11 43.38 57.18 62.25 63.66 43.38 40.28	26.5 25.3 24.4 27.1 25.4 27.4 22.2	2.0 1.7 2.3 2.3 2.5 1.6 1.8	$\begin{array}{c} 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \end{array}$	2.53 1.25 1.10 0.99 1.04 4.01 1.04	KB
Average: High: Low: Total: Method:	28131 52350 0 872067	11.1 11.7 10.6 SM2550B	7.65 7.99 7.36 SM4500-H+ B	1.93 2.80 1.32 SM4500-C1 G	54.29 78.87 37.18	24.3 27.4 20.8	2.2 3.2 1.5	0.05 0.10 0.04 SM2130B	3.72 8.90 0.99 SM2130B	
Limit1: Over/Total:				mn d >= 0.20 0/20			mn d >= 1.0 0/20	mx d <= 0.3 0/20		

WATER SYSTEM MONITORING REPORT

La Honda Wa 555 County Redwood Ci System No.	ater System (C Center, 5th F ty, CA 94063 4100509	SA No. 7)	Div 850	PORT er Resources Control Board ision of Drinking Water Marina Bay Parkway, Bldg P nmond, CA 98804						
Station: Test: Units: Type: Frequency:	Raw Water SAMPL TYPE TYPE observation as needed	Raw Water COLIFORM MPN/100mL grab monthly	Raw Water E. COLI MPN/100mL grab monthly	APN 240070 SAMPL TYPE TYPE observation Mar/May/Oct APN 240070 COLIFORM pres./abs. grab Mar/May/Oct	APN 240070 E. COLI pres./abs. grab Mar/May/Oct	APN 240070 CL2 RESID mg/L grab Mar/May/Oct	OldCl2Sta SAMPL TYPE TYPE observation Apr/Jun/Nov	OldCl2Sta COLIFORM pres./abs. grab Apr/Jun/Nov	OldCl2Sta E. COLI pres./abs. grab Apr/Jun/Nov	OldCl2Sta CL2 RESID mg/L grab Apr/Jun/Nov
Date 01/01/22 01/02/22 01/03/22 01/05/22 01/05/22 01/06/22 01/07/22 01/08/22 01/09/22 01/10/22 01/11/22 01/12/22 01/13/22 01/15/22 01/16/22 01/16/22 01/16/22 01/21/22 01/21/22 01/22/22 01/22/22 01/22/22 01/25/22 01/27/22 01/27/22 01/28/22 01/28/22 01/29/22 01/29/22 01/29/22 01/29/22	Other	115.3	11.0	due 03/22 due 03/22	due 03/22	due 03/22	due 04/22	due 04/22	due 04/22	due 04/22
01/31/22 Average: High: Low:		115.3 115.3 115.3	11.0 11.0 11.0							
DL/RL: Method:		1.0/1.0 SM9223 B-18	1.0/1.0 SM9223 B-18	SM9223B-18	SM9223B-18	SM4500-C1 G		SM9223B-18	SM9223B-18	SM4500-C1 G
Limitl: Over/Total	:			mx d < 1 0/0	mx d < 1 0/0	mn d >= 0.05 0/0		mx d < 1 0/0	mx d < 1 0/0	mn d >= 0.05 0/0

La Honda Wa 555 County Redwood Ci System No.	ater System (CS/ Center, 5th Flo ty CA 94063	A No. 7)	Divisic 850 Mar	- Resources Control on of Drinking Wa vina Bay Parkway, nd, CA 98804	Board ter Bldg P					
Station: Test: Units: Type: Frequency: Date	251 PescCr SAMPL TYPE TYPE observation Jul/Dec	251 PescCr COLIFORM pres./abs. grab Ju1/Dec	251 PescCr E. COLI pres./abs. grab Jul/Dec	251 PescCr CL2 RESID mg/L grab Jul/Dec	460 Pescdr SAMPL TYPE TYPE observation Jan/Aug	460 Pescdr COLIFORM pres./abs. grab Jan/Aug	460 Pescdr E. COLI pres./abs. grab Jan/Aug	460 Pescdr CL2 RESID mg/L grab Jan/Aug	Raw Water ALUMINUM ug/L grab every 12 mo	TreatedWtr ALUMINUM ug/L grab every 3 mo
01/01/22 01/03/22 01/03/22 01/05/22 01/06/22 01/06/22 01/07/22 01/09/22 01/10/22 01/11/22 01/12/22 01/13/22 01/15/22 01/15/22 01/16/22 01/15/22 01/16/22 01/15/22 01/16/22 01/17/22 01/21/22 01/22/22 01/23/22 01/25/22 01/25/22 01/25/22 01/25/22 01/26/22 01/26/22 01/26/22 01/26/22 01/26/22 01/26/22 01/26/22 01/26/22 01/26/22 01/27/22 01/28/22 01/29/22 01/30/22 01/31/22	due 07/22	due 07/22	due 07/22	due 07/22	Routine	Absence	Absence	1.27	due 07/22	due 02/22
Average: High: Low: DL/RL: Method:		SM9223B-18	SM9223B-18	SM4500-C1 G		0 0 0 SM9223B-18	0 0 0 SM9223B-18	1.27 1.27 1.27 SM4500-C1 G	10/5 EPA 200.8	10/5 EPA 200.8
Limit1: Over/Total		mx d < 1 0/0	mx d < 1 0/0	mn d >= 0.05 0/0		mx d < 1 0/1	mx d < 1 0/1	mn d >= 0.05 0/1		

Station:400 Ranch400 Ranch400 Ranch400 RanchLaHondaRd<	
01/01/22 01/02/22 01/03/22 01/04/22 01/06/22 01/06/22 01/06/22 01/08/22 01/09/22 01/09/22 01/09/22 01/10/22 01/11/22 01/11/22 01/11/22 01/12/22 01/14/22 01/14/22 01/16/22 01/16/22 01/16/22 01/16/22 01/16/22 01/16/22 01/16/22 01/16/22 01/16/22 01/16/22 01/16/22 01/23/22	
Average: High: Low:	
Method: SM9223B-18 SM9223B-18 SM4500-C1 G SM9223B-18 SM4500-C1 G	
Limit1: $mx d < 1$ $mx d < 1$ $mn d \ge 0.05$ $mx d < 1$ $mx d < 1$ $mn d \ge 0.05$ Over/Total: $0/0$ $0/0$ $0/0$ $0/0$ $0/0$ $0/0$ $0/0$	05

555 County	iter System (CS Center, 5th F1 :v, CA 94063	WATER SYSTEM MO A No. 7) oor	Water R Divisio 850 Mar	esources Contro n of Drinking W ina Bay Parkway d, CA 98804	ater		
Station: Test: Units: Type: Frequency: Date	LHW OPERATOR units observation as needed	LHW ACTIONS comments observation as needed	Raw Water PH std units grab weekly	Raw Water ALKALINITY mg/L-CaCO3 grab as needed	Raw Water IRON ug/L grab every 3 mo	TreatedWtr IRON ug/L grab every 3 mo	Raw Water NITRATE-N mg/L grab every 3 mo
01/01/22 01/02/22 01/03/22 01/04/22 01/05/22 01/06/22	KB		8.25		due 02/22	due 02/22	
01/07/22 01/08/22 01/10/22 01/11/22 01/12/22 01/12/22 01/13/22 01/14/22 01/15/22 01/16/22 01/17/22	КВ						
01/18/22 01/19/22 01/20/22 01/21/22 01/22/22	KB		8.30				< 0.4
01/23/22 01/24/22 01/25/22 01/26/22 01/27/22	KB		8.15				
01/2//22 01/28/22 01/29/22 01/30/22 01/31/22	KB						
Average: High: Low: DL/RL: Method:			8.23 8.30 8.15 SM4500-H+ B	3/2 SM2320 B	20/20 EPA 200.8	20/10 EPA 200.8	< 0.4 < 0.4 < 0.4 0.03/0.4 SM4500-N03 D
Limit1: Over/Total:							mx_d <= 10 0/1

555 County	ter System (CS/ Center, 5th Flo y, CA 94063	WATER SYSTEM MON A No. 7) por	Water R Divisic 850 Mar	Resources Control Boar on of Drinking Water 'ina Bay Parkway, Bldg d, CA 98804	
Station: Test: Units: Type: Frequency: Date 01/01/22	58 Pope SAMPL TYPE TYPE observation as needed	58 Pope CL2 RESID mg/L grab as needed	58 Pope COLIFORM pres./abs. grab as needed	58 Pope E. COLI pres./abs. grab as needed	
01/02/22 01/03/22 01/04/22 01/05/22 01/06/22 01/07/22 01/09/22 01/10/22 01/11/22 01/12/22 01/13/22 01/14/22 01/15/22 01/15/22 01/16/22 01/16/22 01/16/22 01/20/22 01/21/22 01/22/22 01/22/22 01/22/22 01/24/22 01/25/22 01/26/22 01/27/22 01/28/22 01/29/22 01/29/22 01/30/22 01/31/22	Other Other	1.06 1.09	Absence Absence	Absence Absence	
Average: High: Low:		1.08 1.09 1.06	0 0 0	0 0 0	
Method:		SM4500-C1 G	SM9223B-18	SM9223B-18	
Limit1: Over/Total:		mn d >= 0.05 0/2	mx d < 1 0/2	mx d < 1 0/2	

02/09/22 16:34:12

555 County	iter System (CS Center, 5th F1 ;v. CA 94063	WATER SYSTEM MO A No. 7) oor	Water R Divisio 850 Mar	esources Control n of Drinking Wa ina Bay Parkway, d, CA 98804	ter			
Station: Test: Units: Type: Frequency: Date 01/01/22	8 Pope SAMPL TYPE TYPE observation as needed	8 Pope COLIFORM pres./abs. grab as needed	8 Pope E. COLI pres./abs. grab as needed	8 Pope CL2 RESID mg/L grab as needed	14 Pope SAMPL TYPE TYPE observation as needed	14 Pope COLIFORM pres./abs. grab as needed	14 Pope E. COLI pres./abs. grab as needed	14 Pope CL2 RESID mg/L grab as needed
01/02/22 01/03/22 01/04/22 01/05/22 01/06/22 01/07/22 01/09/22 01/10/22 01/11/22 01/11/22 01/12/22 01/13/22 01/15/22 01/16/22 01/16/22 01/17/22 01/18/22 01/18/22 01/18/22 01/21/22 01/21/22 01/23/22 01/23/22 01/23/22 01/24/22 01/25/22 01/25/22 01/25/22 01/25/22 01/26/22 01/27/22 01/28/22 01/29/22 01/30/22 01/31/22	Other Other	Absence Absence	Absence Absence	1.04 0.76	Other Other	Absence Absence	Absence Absence	0.96 0.92
Average: High: Low:		0 0 0	0 0 0	0.90 1.04 0.76		0 0 0	0 0 0	0.94 0.96 0.92
Method:		SM9223B-18	SM9223B-18	SM4500-C1 G		SM9223B-18	SM9223B-18	SM4500-C1 G
Limit1: Over/Total:		mx d < 1 0/2	mx d < 1 0/2	mn d >= 0.05 0/2		mx d < 1 0/2	mx d < 1 0/2	mn d >= 0.05 0/2

02/09/22 16:34:12

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

Date of Report:	2/10/2022		System Name:	La Honda Water System (CSA #7)	System Number: 4100509	
Laboratory: BEI Analytic	al Laboratory		Elap No:	3019	Signature of Lab Director:	Llog 1 V Braund
Report Period from:	1/1/2022	to	1/31/2022	Sampler: Keefe Brennan	Employed by: Bracewell En	gineering, Inc.

Collection	Laboratory	Bottle	Site Name or Street Address	Sample	Total	E. Coli	Remarks
Date	Number	Number		Туре	Coliform		
1/25/2022			460 Pescadero Creek	1	А	А	SM 9223B-18
1/25/2022			Raw Water	4	115.3	11.0	SM 9223 B-18 (MPN)
1/3/2022			58 Pope	4	А	А	SM 9223B-18
1/4/2022			58 Pope	4	А	А	SM 9223B-18
1/3/2022			8 Pope	4	А	А	SM 9223B-18
1/4/2022			8 Pope	4	А	А	SM 9223B-18
1/3/2022			14 Pope	4	А	А	SM 9223B-18
1/4/2022			14 Pope	4	А	А	SM 9223B-18

1 = Routine

P = Present A = Absent

2 = Repeat

3 = Replacement

4 = Other

Monthly Summary of Monitoring For Surface Water Treatment Regulations

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

System Number: <u>4100509</u>

Treatment Plant Name: <u>La Honda Water System (CSA #7)</u>

Month: January Year: 2022

Treated Water Turbidities Every Four Hours (NTU)*

	Peak Raw	Peak Settled	Midnight	0400	0800	Noon	1600	2000	Average	Minimum
	Water	Water	to	to	to	to	to	to	Treated	Ct.
Date	Turbidity	Turbidity	0400	0800	Noon	1600	2000	Midnight	Water	Ratio
1	6.79		0.05	0.04	0.05	0.04	0.04	0.04	0.04	2.4
2	5.59		0.04	0.04	0.06	0.04	0.04	0.04	0.04	2.2
3	5.60		0.04	0.05	0.04	0.04	0.04	0.03	0.04	2.3
4 5	8.90		0.04	0.04	0.06	0.04	0.05	0.04	0.05	2.2
5	5.25		0.04	0.04	0.04	0.04	0.04	0.04	0.04	2.4
6	4.67		0.04	0.04	0.05	0.04	0.04	0.04	0.04	2.7
7	5.22		0.04	0.04	0.04	0.04	0.04	0.04	0.04	2.6
8	4.49		0.04	0.04	0.04	0.04	0.04	0.04	0.04	2.6
9	4.49		0.04	0.04	0.04	0.04	0.04	0.03	0.04	1.8
10	3.60		0.04	0.04	0.04	0.04	0.04	0.04	0.04	1.5
11	3.31		0.04	0.04	0.04	0.04	0.03	0.03	0.04	2.3
12	2.61		0.03	0.04	0.04				0.04	2.4
13										
14										
15										
16										
17										
18										
19										
20	2.00				0.04				0.04	
21	2.00				0.04				0.04	3.2
22										
23	2.52					0.04	0.04	0.04	0.04	2.0
24	2.53		0.02	0.04	0.04	0.04	0.04	0.04	0.04	2.0
25	1.25		0.03	0.04	0.04	0.03	0.03	0.03	0.03	1.7
26	1.10		0.03	0.03	0.04	0.04	0.03	0.03	0.03	2.3
27	0.99		0.04	0.04	0.04	0.03	0.03	0.03	0.04	2.3
28	1.04		0.03	0.03	0.03	0.03	0.04	0.04	0.03	2.5
29	4.01		0.04	0.04	0.04	0.04	0.04	0.04	0.04	1.6
30	1.04		0.04						0.04	1.8
31 Ava	3.72								0.04	
Ave. *If a con	5.72 ntinuous monitoring	turbidimeter is u	sed, determir	ne discrete tu	ırbidity valu	e for the sam	e times duri	I ng each 24-hou		<u> </u>
									-	
Total N	lo. of Samples:		104		No. of Re	adings ≤ ().3 NTU:		104	
% Read	dings ≤ 0.3 NTU	= [(No. Readi	ngs ≤ 0.3 ľ	NTU) / (To	otal No. Sa	mples)] x	100 =		100%	
	Meets Standard (i.e. more than 95% of readings are ≤ 0.3 NTU) (Y/N)? Y									
Percent	Percent reduction during the month = $[(Average Raw NTU - Average Effluent NTU)] \times 100 = 99\%$									
	Meets Standard	(i.e. reduction	· ·	ge Raw N	,				v	
	Meets Standard (i.e. reduction is greater than 80%) (Y/N)? Y									

95th Percentile Value of all turbidity readings (95% of all turbidity readings are less than this value): 0.050

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

	Which	Standard used Date		Which	Standard Used	
Date	Turbidimeter	(primary/secondary)		Turbidimeter	(primary/secondary)	
7/15/2019	Hach, raw wtr	raw wtr 0/20 Formazin		Hach, treated	0/20 Formazin	
10/17/2019	Hach, raw wtr	0/20 Formazin	10/17/2019	Hach, treated	0/20 Formazin	
4/3/2020	Hach, raw wtr	0/20 Formazin	4/3/2020	Hach, treated	0/20 Formazin	
7/2/2020	Hach, raw wtr	0/20 Formazin	7/2/2020	Hach, treated	0/20 Formazin	
10/28/2020	Hach, raw wtr	0/20 Formazin	10/28/2020	Hach, treated	0/20 Formazin	
1/29/2021	Hach, raw wtr	0/20 Formazin	1/29/2021	Hach, treated	0/20 Formazin	
4/22/2021	Hach, raw wtr	0/20 Formazin	4/22/2021	Hach, treated	0/20 Formazin	
7/28/2021	Hach, raw wtr	0/20 Formazin	7/28/2021	Hach, treated	0/20 Formazin	
10/27/2021	Hach, raw wtr	0/20 Formazin	10/27/2021	Hach, treated	0/20 Formazin	
1/28/2022	Hach, raw wtr	0/20 Formazin	1/28/2022	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 i	1				
No of distribution system samples for HPC only:					
Total No. residual and/or H	1				
No. of samples with no dete	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:

Compute V where V = [1 - (Total number of samples with no residual and/or HPC > 500) /

(Total number of residual and/or HPC samples collected)] x 100 =

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

Y

100%

0

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

Signature: Date:

Hog 17 Bran _____ 2/10/2022