

June 10, 2021

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

Re: May 2021 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, and the Coliform Reporting Form 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 and turbidity levels did not exceed 0.3 NTU when treating water for domestic use. The minimum disinfection CT ratio was 1.6 for a DDW required 1-log removal for Giardia. The treated water was monitored for aluminum and iron and the results were below their respective MCLs.

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

WATER SYSTEM	MONITORING REPORT
La Honda Water System (CSA No. 7)	Water Resources Control Board
555 County Center, 5th Floor	Division of Drinking Water
Redwood City, CA 94063	850 Marina Bay Parkway, Bldg P
System No. 4100509	Richmond, CA 98804

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
Date 05/01/21 05/02/21 05/03/21 05/04/21 05/05/21 05/06/21 05/06/21 05/08/21 05/09/21 05/09/21 05/10/21	49967 49967 3400 0	15.0 15.0 15.0	8.03 8.01 8.03	2.31 2.29 2.39	65.06 64.50 67.32	21.8 21.6 21.9	3.0 3.0 3.1	0.04 0.05 0.04	3.29 2.76 1.19	KB
05/05/21 05/06/21 05/07/21 05/08/21	0 21500 21100 0	15.0 15.0	7.99 8.07	2.48 1.85	69.85 52.11	21.7 21.3	3.2 2.4	0.05 0.05	4.91 2.74	
05/12/21 05/12/21 05/13/21 05/14/21	0 7300 31900 31900 0 0	16.4 16.4 16.4 16.4	8.15 7.88 8.04 8.09	1.80 2.53 1.56 1.47	50.70 71.26 43.94 41.40	19.8 19.0 18.7 18.8	2.6 3.8 2.3 2.2	0.06 0.04 0.05 0.04	1.36 0.75 2.11 2.72	KB
05/15/21 05/16/21 05/17/21 05/18/21 05/20/21 05/20/21 05/22/21 05/22/21 05/23/21 05/23/21 05/24/21	0 36950 36950 0	14.4 14.4	8.15 8.36	1.58 1.37	44.50 38.59	22.3 23.4	2.0 1.6	0.09 0.04	5.04 2.61	KB
05/20/21 05/21/21 05/22/21 05/23/21	0 17850 17850 0	14.4 14.4	8.06 7.84	1.86 2.23	52.39 62.81	22.2 21.1	2.4 3.0	0.05 0.04	1.44 0.99	
05/24/21 05/25/21 05/25/21 05/26/21 05/27/21	18967 18967 18967 18967 0	14.4 14.4 14.4	8.10 8.06 8.10	2.37 2.32 2.16	66.75 65.35 60.84	23.3 22.9 23.0	2.9 2.9 2.6	0.04 0.04 0.04	3.92 1.19 1.49	KB
05/28/21 05/28/21 05/29/21 05/30/21 05/31/21		14.4 14.4	8.12 8.16	1.95 2.08	54.92 58.59	22.8 23.3	2.4 2.5	0.05 0.05	1.43 1.35	
Average: High: Low:	13779 49967 0	15.0 16.4 14.4	8.07 8.36 7.84	2.03 2.53 1.37	57.27 71.26 38.59	21.6 23.4 18.7	2.7 3.8 1.6	0.05 0.09 0.04	2.29 5.04 0.75	
Total: Method:	427135	SM2550B	SM4500-H+ B	SM4500-C1 G				SM2130B	SM2130B	
Limit1: Over/Total:				mn d >= 0.20 0/18			mn d >= 1.0 0/18	mx d <= 0.3 0/18		

La Honda W 555 County Redwood Ci System No.	ater System (C Center, 5th F ty, CA 94063 4100509	WATER SYSTEM SA No. 7) Toor	Wate	PORT er Resources Co ision of Drink Marina Bay Pan mond, CA 98804	ontrol Board ing Water rkway, Bldg P 4						
Station: Test: Units: Type: Frequency: Date	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 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
05/01/21 05/02/21								due 06/21	due 06/21	due 06/21	due 06/21
05/01/21 05/02/21 05/03/21 05/06/21 05/06/21 05/06/21 05/08/21 05/10/21 05/10/21 05/11/21 05/12/21 05/13/21 05/14/21 05/15/21 05/16/21 05/16/21 05/16/21 05/16/21 05/20/21 05/22/21 05/22/21 05/22/21 05/25/21 05/26/21 05/26/21 05/26/21 05/26/21 05/26/21 05/26/21 05/26/21 05/26/21 05/26/21 05/26/21 05/26/21 05/26/21 05/26/21 05/26/21 05/26/21 05/26/21 05/27/21 05/28/21 05/29/21 05/30/21 05/31/21	Other	69.5	7.5	Routine	Absence	Absence	1.08				
Average: High: Low: DL/RL: Method:		69.5 69.5 69.5 1.0/1.0 SM9223 B-18	7.5 7.5 7.5 1.0/1.0 SM9223 B-18		0 0 0 SM9223B-18	0 0 0 SM9223B-18	1.08 1.08 1.08 SM4500-C1 G		SM9223B-18	SM9223B-18	SM4500-C1 G
Limit1: Over/Total	:				mx d < 1 0/1	mx d < 1 0/1	mn d >= 0.05 0/1		mx d < 1 0/0	mx d < 1 0/0	mn d >= 0.05 0/0

WATER SYSTEM MONIT( La Honda Water System (CSA No. 7) 555 County Center. 5th Floor Redwood City. CA 94063 System No. 4100509			Water Re	esources Control o of Drinking Wa ina Bay Parkway, d. CA 98804	Board ater Bldg P					
Test: S/ Units: Type: obs	51 PescCr AMPL TYPE TYPE servation Jul/Dec	251 PescCr COLIFORM pres./abs. grab Jul/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
05/01/21         05/02/21         05/03/21         05/05/21         05/06/21         05/07/21         05/08/21         05/09/21         05/10/21         05/11/21         05/12/21         05/13/21         05/14/21         05/15/21         05/16/21         05/18/21         05/18/21         05/18/21         05/19/21         05/20/21         05/22/21         05/22/21         05/22/21         05/22/21         05/22/21         05/22/21         05/22/21         05/22/21         05/26/21         05/26/21         05/28/21         05/29/21         05/30/21         05/31/21	due 07/21	due 07/21	due 07/21	due 07/21	due 08/21	due 08/21	due 08/21	due 08/21	due 07/21	< 15
Average: High: Low: DL/RL: Method:		SM9223B-18	SM9223B-18	SM4500-C1 G		SM9223B-18	SM9223B-18	SM4500-C1 G	10/5 EPA 200.8	< 15 < 15 < 15 5/15 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 0/0	mx d < 1 0/0	mn d >= 0.05 0/0		

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La Honda Wa 555 County Redwood Ci System No.	ater System (CS Center, 5th Fl ty. CA 94063	$A N \cap 7$	Divisic 850 Mar	- Resources Contro on of Drinking W Vina Bay Parkway nd, CA 98804	ater			
Station: Test: Units: Type: Frequency: Date	400 Ranch SAMPL TYPE TYPE observation Feb/Sep	400 Ranch COLIFORM pres./abs. grab Feb/Sep	400 Ranch E. COLI pres./abs. grab Feb/Sep	400 Ranch CL2 RESID mg/L grab Feb/Sep	LaHondaRd SAMPL TYPE TYPE observation as needed	LaHondaRd COLIFORM pres./abs. grab as needed	LaHondaRd E. COLI pres./abs. grab as needed	LaHondaRd CL2 RESID mg/L grab as needed
05/01/21 05/02/21 05/03/21 05/03/21 05/06/21 05/06/21 05/07/21 05/08/21 05/10/21 05/10/21 05/11/21 05/12/21 05/13/21 05/15/21 05/15/21 05/16/21 05/16/21 05/16/21 05/16/21 05/20/21 05/22/21 05/22/21 05/22/21 05/25/21 05/25/21 05/25/21 05/25/21 05/25/21 05/26/21 05/25/21 05/26/21 05/27/21 05/28/21 05/28/21 05/29/21 05/30/21 05/31/21	due 09/21	due 09/21	due 09/21	due 09/21				
Average: High: Low:								
Method:		SM9223B-18	SM9223B-18	SM4500-C1 G		SM9223B-18	SM9223B-18	SM4500-C1 G
Limit1: 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

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555 County	ter System (CS Center, 5th Fl y, 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 grab every 3 mo
05/01/21 05/02/21 05/03/21 05/04/21 05/05/21 05/06/21	KB KB		8.35		311	< 30	due 07/21
05/07/21 05/08/21 05/09/21 05/10/21 05/11/21 05/12/21 05/12/21	KB KB KB		8.32				
05/14/21 05/15/21 05/16/21 05/17/21 05/18/21 05/19/21	KB KB KB		8.48				
05/20/21 05/21/21 05/22/21 05/23/21 05/24/21 05/25/21	KB KB		8.36				
05/26/21 05/27/21 05/28/21 05/29/21 05/30/21 05/31/21	KB KB						
Average: High: Low: DL/RL: Method: Limit1: Over/Total:			8.38 8.48 8.32 SM4500-H+ B	3/2 SM2320B	311 311 311 10/30 EPA 200.7	< 30 < 30 < 30 10/30 EPA 200.7	0.030/0.40 SM4500-NO3 D mx d <= 10 0/0

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System Name: La Honda Water System (CSA #7) Sampling Period		System Number: 4100509			
Month: May		Year:	2021		
	Number Required	Number Collected	Number Total Coliform Positives	Number Fecal/ E. coli Positives	
1. Routine Samples (see note 1)	1	1	0	0	
2. Repeat Samples Following Samples Which are Total Coliform Positive and Fecal/E. coli <i>Negative</i>					
(see notes 5 and 6)		0			
<ol> <li>Repeat Samples Following Routine Samples Which are Total Coliform Positive and Fecal/ E. coli <i>Positive</i> (see notes 5 and 6)</li> </ol>		0			
<ul> <li>4. MCL Computation For Total Coliform Positive Samples <ul> <li>a. Totals (sum of columns)</li> <li>b. If 40 or more samples collected in month, determine percent of samples that are total confirm positive. [(total number positive/total number collected)x100]</li> <li>c. Is system in compliancewith fecal/E.coli MCL (see notes 2 and 3 with monthly MC</li> </ul> </li> </ul>	)		<u>0</u> ]No ]No		

#### Monthly Summary of Distribution System Coliform Monitoring

5. Invalidated Samples

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

6. Summary Completed By:

Signature	Title	Date
Log V Bracend	Water System Engineer	6/10/2021

Notes and Instructions:

1. Routine samples include:

a. Samples required per 22, CCR, Section 64423;

 Extra samples required for systems collecting less than five routine samples per month that had one or more total coliform positives in previous month;

- c. Extra samples for systems with high source water turbidities that are using surface water or groundwater under the direct influence of surface water do not practice filtration in compliance with regulations.
- Note: For a repeat sample following a total coliform positive sample, any fecal/E. coli positive repeat (boxed entry) constitutes an MCL violation and requires immediate notification to the Department (22, CCR, Section 64426.1).
- 3. Note: For a repeat sample following a fecal/E. coli positive sample, any total coliform positive repeat (boxed entry) constitutes an MCL violation and requires immediate notification to the Department (22, CCR, Section 64426.1).
- 4. Total coliform MCL (Notify Department within 24 hours of MCL violation):
  - a. For systems collecting less than 40 samples, if two or more samples are total coliform positive, then the MCL is violated.
  - b For systems collecting 40 or more samples, if more than 5.0 percent of samples collected are total coliform positive, then the MCL is violated.
- 5. Positive results and their associated repeat samples must be tracked on the worksheet on the other side.
- 6. For systems collecting more than one routine sample per month, three repeat samples must be collected for each total coliform positive sample. Repeat samples must be collected within 24 hours of being notified of the positive result.

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

Date of Report: 6/10/2021		System Name: La Honda Water System (CSA #7)			nber: 410050			
Laboratory: BEI Analytic	cal Laborator	y Elap No: 3019		Signature of	Lab Director	. Mog W Braund		
Report Period from: $5/1/2021$ to		to <u>5/31/2021</u> Sampler: Keefe Brennan	5/31/2021 Sampler: Keefe Brennan		Employed by: Bracewell Engineering, Inc.			
CollectionLaboratoryDateNumber	Bottle Number	Site Name or Street Address	Sample Type	Total Coliform	E. Coli	Remarks		
5/4/2021		APN 240070	1	А	А	SM 9223B-18		
5/4/2021		Raw Water	4	69.5	7.5	SM 9223 B-18 (MPN)		

1 = Routine

P = Present

2 = Repeat

A = Absent

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: La Honda Water System (CSA #7)

Month: May 2021 Year:

Treated Water Turbidities Every Four Hours (NTU)\*

	Peak Raw	Peak Settled		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	3.29		0.04	0.04	0.04	0.04	0.04	0.04	0.04	3.0
2	2.76		0.05	0.04	0.04	0.04	0.05	0.03	0.04	3.0
3	1.19		0.04	0.03					0.04	3.1
4 5										
5	4.01					0.05	0.05	0.05	0.05	2.2
6 7	4.91 2.74		0.05	0.04	0.04	0.05	0.05	0.05	0.05	3.2 2.4
8	2.74		0.05	0.04	0.04	0.04			0.04	2.4
8 9										
10	1.36					0.06			0.06	2.6
11	0.75					0.00	0.04		0.00	3.8
12	2.11				0.04	0.04	0.04	0.03	0.04	2.3
13	2.72		0.04	0.04	0.04	0.04	0.05	0.05	0.04	2.2
14	2.12		0.04	0.04	0.04				0.04	2.2
15										
16										
17	5.04					0.09	0.04	0.05	0.06	2.0
18	2.61		0.04	0.04	0.04	0.04	0.04	0.03	0.04	1.6
19										
20										
21	1.44						0.04	0.04	0.04	2.4
22	0.99		0.04	0.04					0.04	3.0
23										
24	3.92					0.04	0.04	0.03	0.04	2.9
25	1.19		0.04	0.04	0.04	0.03			0.04	2.9
26	1.49									2.6
27										
28	1.43				0.05	0.05	0.04	0.04	0.05	2.4
29	1.35		0.05	0.04	0.04				0.04	2.5
30										
31										
Ave.	2.29	4	1 . 1	<b>1</b>		- f 1			0.04	
<sup>*</sup> If a con	tinuous monitoring	turbidimeter is u	sed, determi	ne discrete i	urbidity valu	ie for the sar	ne times dur	ing each 24-ho	our period	
Total N	No. of Samples:		58		No. of Re	adings ≤ (	).3 NTU:		58	
% Rea	dings ≤ 0.3 NTU	= [(No. Read	ings ≤ 0.3	NTU) / (1	otal No. S	amples)] x	100 =		100%	
	Meets Standard	(i.e. more that	n 95% of r	eadings ar	e ≤ 0.3 N7	TU) (Y/N)'	?		Y	
Percen	t reduction durin			-				x 100 =	98%	
			(Averag	ge Raw N'	TU)					
	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)
3/13/2019	Hach, raw wtr	0/20 Formazin	3/13/2019	Hach, treated	0/20 Formazin
5/17/2019	Hach, raw wtr	0/20 Formazin	5/17/2019	Hach, treated	0/20 Formazin
7/15/2019	Hach, raw wtr	0/20 Formazin	7/15/2019	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

### 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 - (Total number of samples with no residual and/or HPC > 500) /

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

Signature: Date:

Llog 1 V Braund

6/10/2021