May 7, 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: April 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 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.

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

Respectfully submitted,

BRACEWELL ENGINEERING, INC.

Lloyd W. Bracewell, PhD., RCE

Llog V Bracewill

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:	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 04/01/21 04/02/21 04/03/21 04/04/21	33650 31600 0 0	10.2 10.2	7.59 7.61	1.34 1.44	37.74 40.56	24.0 24.5	1.6 1.7	0.03 0.03	0.87 19.87	
04/05/21 04/06/21 04/07/21 04/08/21	48100 48100 24950 24950 28600	11.0 11.0 11.0 12.1 12.1	7.69 7.71 7.73 7.73 7.81	1.97 1.89 1.89 1.86 1.55	55.49 53.23 53.23 52.39 43.66	24.9 25.0 25.1 23.2 23.2	2.2 2.1 2.1 2.3 1.9	0.03 0.03 0.03 0.03 0.04	7.16 3.52 3.27 1.69 2.54	КВ
04/10/21 04/11/21 04/11/21 04/12/21 04/13/21 04/14/21 04/15/21 04/16/21	22567 40500 40500 0	12.1 12.1 12.1	7.68 7.72 7.69	1.84 1.63 2.13	51.83 45.91 59.99	22.8 22.7 23.4	2.3 2.0 2.6	0.04 0.03 0.03	2.90 3.32 2.80	КВ
04/15/21 04/16/21 04/17/21	26700 0 0	13.7	7.62	2.36	66.47	20.7	3.2	0.03	3.36	
04/18/21 04/19/21 04/20/21 04/21/21 04/22/21 04/23/21 04/23/21 04/25/21 04/26/21 04/27/21	49300 49300 15950 15950 28800	13.7 13.7 13.7 13.7 13.7 13.2 13.2	7.79 7.76 7.77 7.68 8.29 7.94 7.81	1.81 2.03 1.59 1.48 1.93 2.08 2.29	50.98 57.18 44.78 41.69 54.36 58.59 64.50 45.91 59.14 60.56 54.92	21.1 21.3 20.6 19.8 25.2 23.5 22.8 22.5 21.4 25.8 22.9 24.5	2.4 2.7 2.2 2.1 2.5 2.8 2.0 2.8	0.03 0.03 0.03 0.05 0.05 0.05	5.51 3.36 1.86 1.55 2.98 0.95 2.89 2.31 0.81	КВ
04/26/21 04/27/21 04/28/21 04/29/21 04/30/21	28800 28800 15850 15850 24150 24150 49967	13.7 13.2 13.2 13.2 13.2 13.2 13.2	7.91 7.66 8.29 7.84 8.09	1.48 1.93 2.08 2.29 1.63 2.11 1.78 2.15 1.95	45.91 59.43 50.14 60.56 54.92	22.5 21.4 25.8 22.9 24.5	2.0 2.8 1.9 2.6 2.2	0.05 0.03 0.04 0.05 0.05	2.31 0.81 4.41 3.54 3.43	КВ
Average: High: Low: Total:	23903 49967 0 717084	12.5 13.7 10.2	7.80 8.29 7.59	1.86 2.36 1.34	52.33 66.47 37.74	23.1 25.8 19.8	2.3 3.2 1.6	0.04 0.05 0.03	3.69 19.87 0.81	
Method:		SM2550B	SM4500-H+ B	SM4500-C1 G				SM2130B	SM2130B	
Limit1: Over/Total:				mn d >= 0.20 0/23			mn $d \ge 1.0$	$mx d \le 0.3$		

WATER SYSTEM MONITORING REPORT

La Honda Water System (CSA No. 7)

555 County Center, 5th Floor
Redwood City, CA 94063
System No. 4100509

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

Raw Water SAMPL TYPE APN 240070 SAMPL TYPE TYPE Raw Water Station: Raw Water APN 240070 APN 240070 APN 240070 OldCl2Sta 01dC12Sta OldCl2Sta 01dC12Sta COLIFORM pres./abs. SAMPL TYPE TYPE COLIFORM E. COLI CL2 RESID COLIFORM E. COLI Test: E. COLI CL2 RESID TYPE MPN/100mL MPN/100mL mg/L pres./abs. pres./abs. mg/L Units: pres./abs. observation Type: grab grab observation grab grab grab observation grab grab grab Mar/May/Oct Frequency: as needed monthly monthly Mar/May/Oct Mar/May/Oct Mar/May/Oct Apr/Jun/Nov Apr/Jun/Nov Apr/Jun/Nov Apr/Jun/Nov Date 04/01/21 04/02/21 04/03/21 due 05/21 due 05/21 due 05/21 due 05/21 04/03/21 04/04/21 04/05/21 04/06/21 04/07/21 Other 17.5 14.8 Routine Absence Absence 1.94 04/08/21 04/09/21 04/10/21 04/10/21 04/11/21 04/12/21 04/13/21 04/14/21 04/15/21 04/16/21 04/17/21 04/18/21 04/19/21 04/20/21 04/21/21 04/22/21 04/23/21 04/24/21 04/25/21 04/26/21 04/27/21 04/28/21 04/29/21 04/30/21 14.8 0 0 Average: High: 17.5 14.8 Õ 1.94 0 17.5 1.94 0 14.8 0 Low: DL/RL: 1.0/1.0 1.0/1.0 Method: SM9223 B-18 SM9223 B-18 SM9223B-18 SM9223B-18 SM4500-C1 G SM9223B-18 SM9223B-18 SM4500-C1 G

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

Limit1:

Over/Total:

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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

System No.	4100509		Richmon	d, CA 98804	J			
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
04/01/21 04/02/21 04/03/21 04/03/21 04/04/21 04/06/21 04/06/21 04/07/21 04/09/21 04/10/21 04/11/21 04/11/21 04/13/21 04/13/21 04/16/21 04/16/21 04/16/21 04/18/21 04/19/21 04/20/21 04/21/21 04/22/21 04/23/21 04/24/21 04/25/21 04/26/21 04/29/21 04/30/21 Average:	due 09/21	due 09/21	due 09/21	due 09/21				
High: Low:								
Method:		SM9223B-18	SM9223B-18	SM4500-C1 G		SM9223B-18	SM9223B-18	SM4500-C1 G
Limit1: Over/Total:	:	$\max_{0/0} d < 1$	$\max_{0/0} d < 1$	mn d >= 0.05		$\max_{0/0} d < 1$	$\max_{0/0} d < 1$	mn $d \ge 0.05$

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Redwood City, CA 94063 850 Marina Bay Parkway, Bldg P
System No. 4100509 Richmond, CA 98804

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 TOC mg/L grab as needed	Unchlor TW TOC mg/L grab as needed	Unchlor TW TOC Remove % removal calculated monthly	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
04/01/21 04/02/21 04/03/21	КВ							due 05/21	due 05/21	
04/04/21 04/05/21	KB		8.53							< 0.4
04/06/21 04/07/21 04/08/21	KB									< 0.4
04/09/21 04/10/21	KB									
04/11/21 04/12/21 04/13/21	KB		8.49							
04/13/21 04/14/21 04/15/21	КВ									
04/15/21 04/16/21 04/17/21 04/18/21	KB									
04/18/21	KB		8.35							
04/20/21 04/21/21	KB									
04/16/21 04/19/21 04/20/21 04/21/21 04/22/21 04/23/21 04/24/21 04/25/21 04/27/21	KB									
04/25/21	KB		8.44							
04/20/21	KB									
04/29/21 04/30/21	KB									
Average: High: Low:			8.45 8.53 8.35							< 0.4 < 0.4 < 0.4
DL/RL: Method:			SM4500-H+ B	3/2 SM2320B	0.100/0.100 EPA 415.1	0.100/0.100 EPA 415.1		20/20 EPA 200.8	20/10 EPA 200.8	0.03/0.4 SM4500-N03 D
Limit1: Over/Total:							$mn d \ge 25$			$m \times d <= 10$

Monthly Summary of Distribution System Coliform Monitoring

System Name: La Honda Water System (CSA #7) Sampling Period		System Nun	nber: 4100509	
Month: April		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		
 Repeat Samples Following Routine Samples Which are Total Coliform Positive and Fecal/ E. coli <i>Positive</i> (see notes 5 and 6) 		0		
 4. MCL Computation For Total Coliform Positive Samples a. Totals (sum of columns) 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] c. Is system in compliancewith fecal/E.coli MCL? (see notes 2 and 3) with monthly MCL (see note 4) 			<u>0</u> No No	
 Invalidated Samples (Note what samples, if any, were invalidated; why they we replacement sampleswere collected. Attach additional sheet 			zed the invalidation;	and when
6. Summary Completed By:				
Signature Klog / W Bracewold		^{Title} Water System E	Engineer	Date 5/7/2021

Notes and Instructions:

- 1. Routine samples include:
- a. Samples required per 22, CCR, Section 64423;
- b. 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.
- 2. 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: 5/7/2021 System Name: La Honda Water System (CSA #7) System Number: 4100509

Laboratory: BEI Analytical Laboratory Elap No: 3019 Signature of Lab Director:

Report Period from: 4/1/2021 to 4/30/2021 Sampler: Keefe Brennan Employed by: Bracewell Engineering, Inc.

Collection Date	Laboratory Number	Bottle Number	Site Name or Street Address	Sample Type	Total Coliform	E. Coli	Remarks
4/6/2021			Old CL2 Station	1	A	A	SM 9223B-18
4/6/2021			Raw Water	4	17.5	14.8	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: <u>La Honda Water System (CSA #7)</u> System Number: <u>4100509</u>

Treatment Plant Name: <u>La Honda Water System (CSA #7)</u> Month: <u>April</u> Year: <u>2021</u>

Treated Water Turbidities Every Four Hours (NTU)*

Treated	Water Turbiditie	s Every Four Ho		•						
	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	0.87		0.02	0.02			0.02	0.02	0.02	1.6
2	19.87				0.03	0.03	0.03	0.02	0.03	1.7
3										
4										
5	7.16				0.03	0.03	0.02	0.02	0.03	2.2
6	3.52		0.03	0.03	0.02	0.03	0.03	0.02	0.03	2.1
7	3.27		0.02	0.03	0.02	0.02	0.03	0.02	0.02	2.1
8	1.69		0.02	0.03					0.03	2.3
9	2.54					0.03	0.03		0.03	1.9
10										
11	2.90				0.03	0.03	0.02	0.02	0.03	2.3
12	3.32		0.03	0.03	0.03	0.02	0.02	0.02	0.03	2.0
13	2.80		0.02	0.03	0.02	0.02	0.02	0.02	0.02	2.6
14										
15										
16	3.36					0.03	0.03	0.02	0.03	3.2
17										
18										
19	5.51					0.03	0.03	0.02	0.03	2.4
20	3.36		0.02	0.02	0.02	0.02	0.02	0.02	0.02	2.7
21	1.86		0.02	0.03	0.03	0.03	0.03		0.03	2.2
22	1.55				0.05	0.04			0.05	2.1
23	2.98				0.05	0.05	0.04	0.04	0.05	2.2
24	0.95		0.05	0.04	0.04				0.04	2.5
25	2.89				0.05	0.05	0.05	0.05	0.05	2.8
26	2.31					0.04	0.04	0.04	0.04	2.0
27	0.81		0.03						0.03	2.8
28	4.41					0.04	0.04		0.04	1.9
29	3.54				0.04	0.05	0.04	0.03	0.04	2.6
30	3.43				0.04	0.04	0.04	0.04	0.04	2.2
31										
Ave.	3.69								0.03	

*If a continuous monitoring turbidimeter is used, determine discrete turbidity value for the same times during each 24-hour period

Total No. of Samples:	88	No. of Readings ≤ 0.3 NTU:	88
% Readings ≤ 0.3 NTU = [(No.	J) / (Total No. Samples)] x 100 =	100%	
Meets Standard (i.e. mor	Y		
Percent reduction during the mo	99%		
· ·	(Average Ra	aw NTU)	
Meets Standard (i.e. redu	80%) (Y/N)?	Y	
95th Percentile Value of all turb	idity readings (95%	of all turbidity readings are less than this val	ue): 0.050

Incidents of	turbidity greater t	han 1.0 NTU				
Date of Inc	ident					
Value						
Duration						
						_
		where turbidity is > 1.0				0
Total Numb		where turbidity is > 5.0				0
	Meets Standard	ls (i.e. NTU is not > 1.0)) for more th	nan eight consec	cutive hours) (Y/N)?	<u>Y</u>
After placir criteria:	ng a filter back i	nto service after any in	terruption (e	e.g. backwashin	g), did the filter efflue	nt comply with the following
a. < 2	2.0 NTU after a	ll events (Y/N)?				Y
b. <	1.0 NTU after 9	0% of events (Y/N)?				Y
c. < (0.5 NTU after 4	hours (Y/N)?				Y
Indicate the		rbidimeters that are use	d for regula		g purposes were calibra	ted
	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	·	0/20 Formazin	
				Hach, treated		
1/29/2021	Hach, raw wtr	0/20 Formazin	1/29/2021	Hach, treated	0/20 Formazin	
		D:	_:¢4:	D D.4.		
		D1	sinfection	Process Data		
Disinfectan	t residual type:	free chlorine:	X	combined chlor	rine:	other (specify)
Distillectan	t residual type.	nee emornie.	A	comonica cino		other (specify)
Incidents of	f chlorine residu	als less than 0.2 ppm at	t the plant e	ffluent:		
Date of Inc		11				
Duration						
Date Dept.	Notified					
Total numb		where residual is $< 0.2 \mu$				0
	Meets standard	(i.e. not less than 0.2 p	pm for more	e than four hour	rs) (Y/ <u>N)?</u>	Y
NI C 1' 4			1			1
		residual samples collect	ea:			1
		amples for HPC only: IPC samples collected:				1
			C is not mo	agumad.		1
		ectable residual and HP idual and HPC > 500 C		asureu.		0
		ly and HPC > 500 C.				
		residual and/or HPC >		·1·		0
10141110. 3	ampies with ho	residuai and/01 111 C /	JUU CI U/III	ш.	I	U
Compute V	where $V = [1]$	- (Total number of sar	mples with 1	no residual and/	or HPC > 500) /	
•	L	(Total number of resi	-			100%
				-		
	Meets Standard	1 (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:	Llog V Breendl	
C		

Date: 5/7/2021