

February 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: January 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 1.3 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.

Llog / V Bracendo

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

cc: San Mateo County, CSA #7 BEI Office

WATER SYSTEM MONITORING REPOR	Г
	Resources Control Board
	on of Drinking Water
	rina Bay Parkway, Bldg P
System No. 4100509 Richmor	nd. 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 01/01/21 01/02/21 01/03/21	22100 0 0	10.9	8.02	1.81	50.98	27.8	1.8	0.07	1.80	
01/04/21 01/05/21 01/06/21 01/07/21 01/08/21 01/08/21	17700 17700 23700 23700 27700 0	11.7 11.7 11.7 11.7 11.7 11.7	7.24 7.35 7.41 7.39 7.42	1.75 1.60 1.73 1.46 1.56	49.29 45.07 48.73 41.12 43.94	19.9 20.4 21.1 20.4 20.8	2.5 2.2 2.3 2.0 2.1	0.05 0.10 0.08 0.07 0.08	0.49 0.92 1.52 0.60 1.45	KB
01/10/21 01/11/21 01/12/21 01/13/21 01/14/21 01/15/21 01/16/21 01/17/21 01/18/21	$\begin{array}{c} 23100\\ 34000\\ 34000\\ 32350\\ 32350\\ 16450\\ 16450\\ 0\\ 0\end{array}$	11.9 11.9 11.9 11.9 11.9 11.9 11.9 11.9	7.37 7.35 7.38 7.40 7.29 7.62 7.40	1.70 1.65 2.25 2.20 2.02 0.91 1.95	47.88 46.47 63.37 61.97 56.90 25.63 54.92	20.4 20.2 21.4 21.5 20.4 20.4 21.1	2.3 2.3 3.0 2.9 2.8 1.3 2.6	$\begin{array}{c} 0.05\\ 0.04\\ 0.03\\ 0.05\\ 0.15\\ 0.03\\ \end{array}$	1.67 1.13 0.82 0.60 0.77 1.23 0.31	KB
01/19/21 01/20/21 01/21/21 01/22/21	0 25300 50700 46133 46133 46133	14.2 14.2 14.2 13.2 13.2 13.2 13.2 13.2	7.45 7.58 7.43 7.32 7.27	1.97 1.78 1.78 1.30 2.07	55.49 50.14 50.14 36.62 58.30	18.3 18.9 17.9 16.4 18.6	3.0 2.7 2.8 2.2 3.1	0.04 0.04 0.06 0.06 0.03	0.38 1.16 1.70 1.07 1.10	KB
01/24/21 01/25/21 01/26/21 01/26/21 01/27/21 01/28/21 01/29/21 01/30/21 01/31/21	44950 44950 19300 0 0 0		7.36 7.38 7.35	2.07 1.24 2.22 1.98	58.30 34.93 62.53 55.77	17.8 19.5 19.0	2.0 3.2 2.9	0.07 0.04 0.04	1.41 1.21 0.50	КВ
01/31/21	14067	13.2	7.39	2.06	58.02	19.4	3.0	0.05	3.18	
Average: High: Low: Total:	21257 50700 0 658966	12.5 14.2 10.9	7.42 8.02 7.24	1.77 2.25 0.91	49.92 63.37 25.63	20.1 27.8 16.4	2.5 3.2 1.3	0.06 0.15 0.03	1.14 3.18 0.31	
Method:	000900	SM2550B	SM4500-H+ B	SM4500-C1 G				SM2130B	SM2130B	
Limit1: Over/Total:				mn d >= 0.20 0/22			mn d >= 1.0 0/22	mx d <= 0.3 0/22		

La Honda W 555 County Redwood Ci System No.	ater System (C Center, 5th F ty, CA 94063 4100509	WATER SYSTEM SA No. 7) loor	Wate Div 850	PORT er Resources C ision of Drink Marina Bay Pa hmond, CA 9880	ing Water rkway Bldg P						
	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 01/01/21 01/02/21 01/03/21 01/05/21 01/05/21 01/06/21 01/07/21 01/08/21 01/09/21 01/09/21					due 03/21	due 03/21	due 03/21		due 04/21	due 04/21	due 04/21
01/10/21 01/11/21 01/11/21 01/12/21 01/13/21 01/14/21 01/15/21 01/16/21 01/17/21 01/18/21 01/20/21 01/22/21 01/22/21 01/22/21 01/25/21 01/25/21 01/26/21 01/27/21 01/28/21 01/29/21 01/30/21 01/31/21	Other	36.4	18.9								
Average: High: Low: DL/RL: Method:		36.4 36.4 36.4 1.0/1.0 SM9223 B-18	18.9 18.9 1.0/1.0 SM9223 B-18		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

La Honda Water System 555 County Center, 5th Redwood City, CA 94063 System No. 4100509	CSA No 7)	ONITORING REPORT Water F Divisic 850 Mar Richmor	- Resources Contro on of Drinking Wa ina Bay Parkway nd, CA 98804	l Board ater , Bldg P					
Station: 251 PescC: Test: SAMPL TYPE Units: TYPE Type: observation Frequency: Jul/Dec	pres./abs.	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 3 mo	TreatedWtr ALUMINUM ug/L grab every 3 mo
Date 01/01/21 01/02/21 01/03/21 01/04/21 01/05/21 01/06/21 01/06/21 01/08/21 01/09/21 01/10/21 01/10/21 01/11/21 01/11/21 01/12/21 01/13/21 01/15/21 01/15/21 01/16/21 01/17/21	due 07/21	due 07/21	due 07/21	Routine	Absence	Absence	0.12	due 02/21	due 02/21
01/18/21 01/19/21 01/20/21 01/21/21 01/22/21 01/23/21 01/24/21 01/25/21 01/26/21 01/26/21 01/28/21 01/29/21 01/30/21 01/31/21									
Average: High: Low: DL/RL: Method:	SM9223B-18	SM9223B-18	SM4500-C1 G		0 0 0 SM9223B-18	0 0 0 SM9223B-18	0.12 0.12 0.12 SM4500-C1 G	10/5 EPA 200.8	10/5 EPA 200.8
Limitl: 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		

La Honda Wa 555 County Redwood Cit System No.	ter System (CS Center, 5th F1 y. CA 94063	WATER SYSTEM MC 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	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
Diricitization of the second s		due 02/21	due 02/21	due 02/21				
Average: High: Low:								
Method:		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

555 County	ater System (CS Center, 5th Fl tv CA 94063	WATER SYSTEM MO SA No. 7) loor	Water R Divisio 850 Mar	esources Contrc n of Drinking W ina Bay Parkway d, CA 98804	ol Board Water 7, Bldg P					
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
01/01/21 01/02/21 01/03/21 01/04/21 01/05/21	KB		8.34					due 02/21	due 02/21	< 0.4
01/06/21 01/07/21 01/08/21 01/09/21 01/10/21 01/11/21	KB KB KB		8.35							
01/12/21 01/13/21 01/14/21 01/15/21 01/16/21 01/16/21	KB KB									
01/18/21 01/19/21 01/20/21 01/21/21 01/22/21	KB KB KB		8.29							
01/01/21 01/02/21 01/03/21 01/06/21 01/06/21 01/06/21 01/09/21 01/09/21 01/10/21 01/12/21 01/12/21 01/13/21 01/15/21 01/16/21 01/16/21 01/17/21 01/18/21 01/20/21 01/22/21 01/22/21 01/25/21 01/25/21 01/26/21 01/28/21 01/29/21 01/29/21 01/30/21	KB KB KB		8.37							
01/30/21 01/31/21 Average: High: Low: DL/RL: Method: Limit1: Over/Total			8.34 8.37 8.29 SM4500-H+ B	3/2 SM2320B	0.100/0.100 EPA 415.1	0.100/0.100 EPA 415.1	mn_d >= 25 0/0	20/20 EPA 200.8	20/10 EPA 200.8	< 0.4 < 0.4 < 0.4 0.03/0.4 SM4500-NO3 D mx d <= 10 0/1

System Name: La Honda Water System (CSA #7) Sampling Period		System Nu	umber: 4100509	
Month: January		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 Samplesa. Totals (sum of columns)b. If 40 or more samples collected in month, determine percent of samples that are		1	0	
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 MCI (see note 4)		X Yes X Yes	□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 samples were collected. Attach additional sheets, if necessary.)

6. Summary Completed By:

	Title	Date
Llog W Bracende	Water System Engineer	2/10/2021

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).
- 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:	2/10/2021		System Name:	La Honda Water System (CSA #7)	System Number: 4100509	
Laboratory: BEI Analytica	l Laboratory		Elap No:	3019	Signature of Lab Director:	Hog IN Brownell
Report Period from:	1/1/2021	to	1/31/2021	Sampler: Keefe Brennan	Employed by: Bracewell En	gineering, Inc.

Collection Date	Laboratory Number	Bottle Number	Site Name or Street Address	Sample Type	Total Coliform	E. Coli	Remarks
1/11/2021			460 Pescadero Creek Road	1	А	А	
1/11/2021			Raw Water	4	36.4	18.9	SM 9223 B-18 (MPN)

1 = Routine

P = PresentA = 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: La Honda Water System (CSA #7)

Month: January Year: 2021

Treated Water Turbidities Every Four Hours (NTU)*

	Peak Raw	Peak Settled	Midnight	0400	0800	Noon	1600	2000	Average	
Date	Water Turbidity	Water Turbidity	to 0400	to 0800	to Noon	to 1600	to 2000	to Midnight	Treated Water	Ct. Ratio
Dute	1.80	Turblaity	0100	0000	rtoon	0.05	0.04	Withdinght	0.05	1.8
2	1.00					0.05	0.04		0.05	1.0
3										
ļ	0.49				0.05	0.04			0.05	2.5
5	0.92					0.05	0.10		0.08	2.2
5	1.52				0.08	0.07	0.05	0.04	0.06	2.3
7	0.60					0.04	0.03		0.04	2.0
3	1.45				0.08	0.04	0.05	0.05	0.06	2.1
)										
10	1.67				0.04	0.05			0.05	2.3
11	1.13				0.04	0.04	0.03		0.04	2.3
12	0.82				0.04	0.03	0.02	0.02	0.03	3.0
13	0.60					0.03	0.03	0.03	0.03	2.9
14	0.77				0.03	0.04	0.05	0.03	0.04	2.8
15	1.23				0.03	0.02	0.03	0.03	0.03	1.3
16	0.31		0.03						0.03	2.6
17										
18										
19										
20	0.38							0.04	0.04	3.0
21	1.16		0.03	0.03	0.04	0.03	0.03	0.02	0.03	2.7
22	1.70		0.03	0.02	0.06	0.05	0.02	0.03	0.04	2.8
23	1.07		0.02	0.02	0.03	0.04	0.05	0.03	0.03	2.2
24	1.10		0.03	0.03	0.03	0.03	0.02	0.02	0.03	3.1
25	1.41		0.04	0.03	0.02	0.05	0.06	0.04	0.04	2.0
26	1.21		0.04	0.04	0.03	0.04	0.04	0.03	0.04	3.2
27	0.50		0.04	0.03	0.04	0.03	0.03		0.03	2.9
28										
29										
30										
31	3.18					0.05	0.04	0.03	0.04	3.0
Ave.	1.14						L		0.04	
	tinuous monitoring	turbidimeter is u		ie discrete t				ing each 24-ho		
l'otal N	lo. of Samples:		82		No. of Re	adings ≤	0.3 NTU:		82	
% Read	lings ≤ 0.3 NTU	I = [(No. Readi	ings ≤ 0.3 l	NTU) / (T	otal No. S	amples)] >	x 100 =		100%	
	Meets Standard	(i.e. more than	n 95% of re	eadings ar	e ≤ 0.3 NT	TU) (Y/N)	?		Y	
Percent	reduction durin	ig the month =	[(Average	Raw NT	U - Averaş	ge Effluen	t <u>NTU)]</u>	x 100 =	97%	
	Meets Standard	(i.e. reduction	-	ge Raw N than 80%					Y	

95th Percentile Value of all turbidity readings (95% of all turbidity readings are less than this value): 0.060

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

Disinfection Process Data

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

Incidents of chlorine residuals	less than 0.2 nnm at th	ne nlant effluent.
incluents of chiofile residuals	10000 1000	ie plant ennuent.

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:		

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)] $\times 100 = 100\%$

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

Total No. Samples with no residual and/or HPC > 500 CFU/ml:

0

Y

Summary of Water Quality Complaints

General ComplaintsType of ComplaintNumberCorrective Actions TakenTaste/Odor00Color00Turbidity00Suspended Solids00Other (describe)00

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:

Mog 1 V Brund 2/10/2021

Date: