

February 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: January 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 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 1.8 for a DDW required 1-log removal for Giardia.

The surface water plant was only run from January 27 to 31 due to high raw water turbidities. As a result, water was delivered during the end of the month. Per discussions with DDW, coliform samples were collected from the delivery truck during four 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.

Llog N Bracendl

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

cc: San Mateo County, CSA #7 BEI Office

555 County	ter System (CS Center, 5th Fl v. CA 94063	A No. 7)	Divisio 850 Mar	esources Control n of Drinking Wa ina Bay Parkway, d, CA 98804	ter					
Station: Test: Units: Type: Frequency: Date 01/01/23 01/02/23 01/03/23 01/04/22	Finish Wtr FLOW gal/day calculated daily 0 0 0 0	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 01/01/23 01/02/23 01/04/23 01/05/23 01/06/23 01/07/23 01/08/23 01/09/23 01/10/23 01/10/23 01/11/23 01/12/23 01/12/23 01/16/23 01/16/23 01/16/23 01/16/23 01/12/23 01/22/23 01/22/23 01/22/23 01/22/23 01/22/23 01/26/23 01/27/23 01/29/23 01/29/23 01/29/23 01/29/23 01/29/23 01/29/23										
01/27/23 01/28/23 01/29/23 01/30/23 01/31/23	34067 34067 34067 34067 34067 34067	11.7 11.7 11.7 11.7 11.7 11.7	7.59 7.53 7.49 7.47 7.43	1.64 1.37 1.58 1.66 1.34	46.19 38.59 44.50 46.76 37.74	22.3 21.3 21.4 21.4 20.4	2.1 1.8 2.1 2.2 1.9	0.05 0.06 0.05 0.05 0.04	8.17 5.59 9.44 11.07 5.50	KB
Average: High: Low: Total: Method:	5495 34067 0 170335	11.7 11.7 11.7 SM2550B	7.50 7.59 7.43 SM4500-H+ B	1.52 1.66 1.34 SM4500-C1 G	42.76 46.76 37.74	21.4 22.3 20.4	2.0 2.2 1.8	0.05 0.06 0.04 SM2130B	7.95 11.07 5.50 SM2130B	
Limit1: Over/Total:				mn d >= 0.20 0/5			mn d >= 1.0 0/5	mx d <= 0.3 0/5		

La Honda Wa 555 County Redwood Ci System No.	ater System (C Center, 5th F ty, CA 94063 4100509	CSA No. 7)	Div 850	PORT er Resources Control Board ision of Drinking Water Marina Bay Parkway, Bldg P hmond, CA 98804					
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 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	TYPE pres	FORM E. COLI /abs. pres./abs. rab grab	OldCl2Sta CL2 RESID mg/L grab Apr/Jun/Nov
Date 01/01/23 01/02/23 01/03/23 01/04/23 01/06/23 01/06/23 01/07/23 01/09/23 01/10/23 01/11/23 01/12/23 01/12/23 01/15/23 01/16/23 01/16/23 01/17/23 01/16/23 01/17/23 01/12/23 01/21/23 01/22/23 01/22/23 01/25/23 01/25/23 01/25/23 01/26/23 01/29/23 01/29/23 01/29/23 01/29/23 01/29/23 01/29/23 01/29/23 01/29/23 01/29/23 01/29/23 01/29/23 01/29/23 01/29/23 01/29/23 01/29/23 01/29/23 01/29/23 01/20/23 01/29/23 01/29/23 01/29/23 01/29/23 01/20/23 01/29/23 01/29/23 01/29/23 01/30/23 01/31/23	Other	< 1.0	< 1.0	due 03/23 due 03/23	due 03/23	due 03/23	due 04/23 due (04/23 due 04/23	due 04/23
Average: High: Low: DL/RL: Method:		< 1.0 < 1.0 < 1.0 1.0/1.0 SM9223 B-18	< 1.0 < 1.0 < 1.0 1.0/1.0 SM9223 B-18	SM9223B-18	SM9223B-18	SM4500-C1 G	SM922	23B-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		1 < 1 mx d < 1	mn d >= 0.05 0/0

La Honda Wate 555 County Ce Redwood City System No. 43	er System (CSA enter, 5th Flo , CA 94063	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 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
01/01/23 01/02/23 01/03/23 01/06/23 01/06/23 01/06/23 01/07/23 01/09/23 01/10/23 01/11/23 01/12/23 01/12/23 01/15/23 01/15/23 01/15/23 01/16/23 01/15/23 01/16/23 01/16/23 01/17/23 01/21/23 01/22/23 01/22/23 01/22/23 01/26/23 01/27/23 01/28/23 01/29/23 01/30/23 01/31/23	due 07/23	due 07/23	due 07/23	due 07/23	Routine	Absence	Absence	0.24	due 07/23	due 02/23
Average: High: Low: DL/RL: Method:		SM9223B-18	SM9223B-18	SM4500-C1 G		0 0 0 SM9223B-18	0 0 0 SM9223B-18	0.24 0.24 0.24 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		

555 County	ater System (CS Center, 5th Fl ty. CA 94063	A No. 7)	Divisic 850 Mar	Resources 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
01/01/23 01/02/23 01/03/23 01/04/23 01/05/23 01/06/23 01/07/23 01/09/23 01/10/23 01/10/23 01/11/23 01/12/23 01/12/23 01/15/23 01/16/23 01/16/23 01/16/23 01/16/23 01/16/23 01/19/23 01/20/23 01/21/23 01/22/23 01/22/23 01/22/23 01/25/23 01/25/23 01/26/23 01/27/23 01/28/23 01/29/23 01/30/23 01/31/23	due 02/23	due 02/23	due 02/23	due 02/23				
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

555 County	ter System (CS Center, 5th F1 Sy, 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
01/01/23 01/02/23 01/03/23 01/06/23 01/06/23 01/07/23 01/08/23 01/09/23 01/10/23 01/10/23 01/12/23 01/12/23 01/15/23 01/16/23 01/16/23 01/17/23 01/12/23 01/20/23 01/22/23 01/22/23 01/22/23 01/22/23 01/25/23 01/25/23 01/26/23 01/27/23 01/27/23 01/28/23 01/29/23 01/29/23 01/30/23	КВ		8.65		due 02/23	due 02/23	< 0.4
01/31/23 Average: High: Low: DL/RL: Method:			8.65 8.65 8.65 SM4500-H+ B	3/2 SM2320 B	20/20 EPA 200.8	20/10 EPA 200.8	< 0.4 < 0.4 < 0.4 0.07/0.4 SM4500-N03 D
Limit1: Over/Total:							mx_d <= 10 0/1

555 County	iter System (CS Center, 5th Fl ;y, CA 94063	A No. 7)	Divisio 850 Mar	esources Control n of Drinking Wa ina Bay Parkway, d, CA 98804	ater			
Station: Test: Units: Type: Frequency: Date 01/01/23 01/02/23 01/02/23 01/05/23 01/06/23 01/06/23 01/07/23 01/10/23 01/10/23 01/12/23 01/12/23 01/15/23 01/16/23 01/16/23 01/12/23 01/12/23 01/20/23 01/22/23 01/22/23 01/22/23	DelTruck SAMPL TYPE Observation as needed	DelTruck COLIFORM pres./abs. grab as needed	DelTruck E. COLI pres./abs. grab as needed	DelTruck CL2 RESID mg/L grab as needed	MainStorEf SAMPL TYPE TYPE observation as needed	MainStorEf COLIFORM pres./abs. grab as needed	MainStorEf E. COLI pres./abs. grab as needed	MainStorEf CL2 RESID mg/L grab as needed
01/24/23 01/25/23 01/26/23 01/27/23 01/28/23 01/28/23	Other Other Other	Absence Absence Absence	Absence Absence Absence	0.33 0.59 0.67				
01/30/23 01/31/23	Other	Absence	Absence	0.80	Other	Absence	Absence	0.55
Average: High: Low:		0 0 0	0 0 0	0.60 0.80 0.33		0 0 0	0 0 0	0.55 0.55 0.55
Method:		SM9223B-18	SM9223B-18	SM4500-C1 G		SM9223B-18	SM9223B-18	SM4500-C1 G
Limit1: Over/Total:		mx d < 1 0/4	mx d < 1 0/4	mn d >= 0.05 0/4		mx d < 1 0/1	mx d < 1 0/1	mn d >= 0.05 0/1

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

Date of Report:	2/10/2023		System Name:	La Honda Water System (CSA #7)	System Number: CA4100509
Laboratory: BEI Analytic	al Laboratory		Elap No:	3019	Signature of Lab Director:
Report Period from:	1/1/2023	to	1/31/2023	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
	INUITIOCI	INUITIOCI					SM 0222D 19
1/25/2023			460 Pescadero	1	A	А	SM 9223B-18
1/25/2023			Raw Water	4	<1.0	<1.0	SM 9223 B-18 (MPN)
1/24/2023			Delivery Truck	4	А	А	SM 9223B-18
1/25/2023			Delivery Truck	4	А	А	SM 9223B-18
1/26/2023			Delivery Truck	4	А	А	SM 9223B-18
1/31/2023			Delivery Truck	4	А	А	SM 9223B-18
1/31/2023			Main Store Ef	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: 4100509

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

Month: January Year: 2023

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										
2										
3										
4 -										
5										ł
6 7										
8										
9										
9 10										
10										
12										
12										
13										<u> </u>
15										1
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27	8.17						0.05	0.05	0.05	2.1
28	5.59					0.06	0.04	0.04	0.05	1.8
29	9.44		0.04	0.03		0.04	0.04	0.03	0.04	2.1
30	11.07		0.04	0.03				0.05	0.04	2.2
31	5.50		0.03	0.21		0.04			0.09	1.9
Ave.	7.95 tinuous monitoring	turbidimotor is w	ad datarmir	a disarata t	urbidity yolu	a for the con	a timas dur	ng angh 24 ha	0.05	
'n a con	unuous monitoring	turbidimeter is us	sed, determin	le discrete t	urbidity valu	e for the san	le times dur	ing each 24-no	ur period	
Total N	o. of Samples:		16		No. of Re	adings ≤ ().3 NTU:		16	
% Read	lings ≤ 0.3 NTU	= [(No. Readi	ngs ≤ 0.3 N	NTU) / (T	otal No. Sa	amples)] x	100 =		100%	
	Meets Standard	(i.e. more than	95% of re	adings ar	e ≤ 0.3 NT	U) (Y/N)?			Y	
								100 -		
rercent	reduction durin	g the month $=$		<u>Raw NT(</u> ge Raw N'		e Emluent	<u>INTU)</u> X	100 =	99%	
	Meets Standard	(i.e. reduction							Y	

95th Percentile Value of all turbidity readings (95% of all turbidity readings are less than this value): 0.098

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
Turbidimeter	(primary/secondary)		Turbidimeter	(primary/secondary)
Hach, raw wtr	0/20 Formazin	1/28/2022	Hach, treated	0/20 Formazin
Hach, raw wtr	0/20 Formazin	4/28/2022	Hach, treated	0/20 Formazin
Hach, raw wtr	0/20 Formazin	7/22/2022	Hach, treated	0/20 Formazin
Hach, raw wtr	0/20 Formazin	10/26/2022	Hach, treated	0/20 Formazin
Hach, raw wtr	0/20 Formazin	1/27/2023	Hach, treated	0/20 Formazin
	Turbidimeter Hach, raw wtr Hach, raw wtr Hach, raw wtr Hach, raw wtr	Turbidimeter(primary/secondary)Hach, raw wtr0/20 FormazinHach, raw wtr0/20 FormazinHach, raw wtr0/20 FormazinHach, raw wtr0/20 FormazinHach, raw wtr0/20 Formazin	Turbidimeter(primary/secondary)Hach, raw wtr0/20 Formazin1/28/2022Hach, raw wtr0/20 Formazin4/28/2022Hach, raw wtr0/20 Formazin7/22/2022Hach, raw wtr0/20 Formazin10/26/2022	Turbidimeter(primary/secondary)TurbidimeterHach, raw wtr0/20 Formazin1/28/2022Hach, treatedHach, raw wtr0/20 Formazin4/28/2022Hach, treatedHach, raw wtr0/20 Formazin7/22/2022Hach, treatedHach, raw wtr0/20 Formazin10/26/2022Hach, treated

Disinfection Process Data

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

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

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

meraents of emotine residuals reso than of print et me prant emidents					
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	
	1	
No. of distribution system residual samples collected:	l	
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 samples with no re(Total number of residual and/or HPC samples collected)] x 100 =

Y

100%

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 1 V Brund _

2/10/2023

Date: