BRACEWELL ENGINEERING, INC.
155 MAST STREET, UNIT 114, MORGAN HILL, CA 95037
(669) 258-5820 FAX (408) 498-7045
www.bracewellengineering.com

August 8, 2025

District Engineer
State Water Resources Control Board-Division of Drinking Water
850 Marina Bay Parkway, Building P, 2nd Floor
Richmond, CA 94804

Re: July 2025 Monthly Report to the Office of Drinking Water
La Honda Water System (County Service Area No. 7), No. CA4100509

Dear District Engineer:

Attached are the following:

1. Monitoring Report
2. Lab Results
3. Coliform Reporting Form
4. Surface Water Reports

- We continue to run the Storage Tank aeration pump in hand as we wait for a solution to the automatic operation of the device.
- The monthly distribution system treated water bacteriological sample showed an absence of total coliforms and E. coli.
- Chlorine residuals were maintained as required.
- The minimum Disinfection CT ratio was 4.8 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.

Alan Bracewell
Staff Engineer

Lhw Log Sheets

Location			Plant On	Raw Water	Raw Water	Treated Water	Backwash	Inlet	Inlet	Inlet	Inlet	Creek	Air	Air
Parameter			SW Plant	Tank	Flow	Average Flow	Flow	pH	Max Turbidity	Turbidity	Temp.	Water Level	Temp	Percip
frequency			daily	daily	calculation	calculation	calculation	weekly	daily	weekly	weekly	monthly	daily	daily
Units			Y/N	ft	gal/d	gal/d	gal/d	units	ntu	ntu	C	inches	C	%
Type				level	flow		flow		Analyzer	Grab	Grab	grab		
High Limit														
Low Limit														
Date	**Initials**	**Time**												
7/1/2025			Y		50,479	43,850	3,733							
7/2/2025	KB	830	Y	13.92	50,479	43,850	3,733		0.63				12.6	40%
7/3/2025			Y		15,319	33,750	1,120							
7/4/2025			N		15,319	-	1,120							
7/5/2025			N		15,319	-	1,120							
7/6/2025			N		15,319	-	1,120							
7/7/2025	MR	943	N	14.72	15,319	-	1,120							
7/8/2025			N		578	-	-							
7/9/2025	KB	1300	Y	14.78	578	38,400	-	8.4	2.79	0.95	18.5		20.1	32%
7/10/2025			Y		17,696	38,400	1,660							
7/11/2025			N		17,696	-	1,660							
7/12/2025			N		17,696	-	1,660							
7/13/2025			N		17,696	-	1,660							
7/14/2025	KB	1030	Y	15.04	17,696	38,400	1,660	8.5	0.87	0.79	16		18.8	34%
7/15/2025			Y		63,053	55,200	4,633							
7/16/2025			Y		63,053	55,200	4,633							
7/17/2025	KB	900	Y	13.23	63,053	55,200	4,633		0.61				13.4	37%
7/18/2025			N		6,426	-	580							
7/19/2025			N		6,426	-	580							
7/20/2025			N		6,426	-	580							
7/21/2025			N		6,426	-	580							
7/22/2025	KB	1115	Y	14.95	6,426	28,100	580	8.5	0.89	0.71	16.1		15.1	43%
7/23/2025	KB	1200	Y	13.99	66,548	58,100	5,500		0.65				18.2	34%
7/24/2025			Y		17,910	39,350	1,680							
7/25/2025			N		17,910	-	1,680							
7/26/2025			N		17,910	-	1,680							
7/27/2025			N		17,910	-	1,680							
7/28/2025	KB	1130	Y	14.37	17,910	39,350	1,680	8.5	0.60	0.62	16.1		18.4	34%
7/29/2025			Y		16,243	42,633	1,256							
7/30/2025			Y		16,243	42,633	1,256							
7/31/2025			N		16,243	-	1,256					13"		
Min				13.23	578	-	-	8.4	0.601	0.62	16	0	12.6	32%
Max				15.04	66,548	58,100	5,500	8.5	2.788	0.95	18.5	0	20.1	43%
Average				14.38	22,365	21,046	1,801	8.5	1.005	0.77	16.7		16.7	36%
Total					693,307	652,417	55,833							

Lhw Log Sheets

Location	Filter Inlet	Contact Pipe	Contact Pipe	Contact Pipe	Contact Pipe	Contact Pipe	Contact Pipe	Contact Pipe	Contact Pipe	TW Storage Tank	TW Storage Tank
Parameter	Turbidity	Max pH	Max Turbidity	Min Temp	Min CL2	pH	Turbidity	Temp	CL2	Level	Temp
frequency	weekly	daily	daily	daily	daily	weekly	weekly	weekly	weekly	weekly	weekly
Units	ntu	units	ntu	C	mg/L	units	ntu	C	mg/L	ft	C
Type	Grab	Analyzer	Analyzer	Analyzer	Analyzer	Grab	Grab	Grab	Grab	Visual	
High Limit											17
Low Limit											6.5
Date											
7/1/2025											
7/2/2025		7.5	0.058	18	1.16					28	14.8
7/3/2025											
7/4/2025											
7/5/2025											
7/6/2025											
7/7/2025											
7/8/2025											
7/9/2025	0.35	7.8	0.045	19.4	1.84	7.90	0.18	18.3	1.54		
7/10/2025											
7/11/2025										26.6	15.6
7/12/2025											
7/13/2025											
7/14/2025	0.59	7.7	0.045	16.8	2.23	7.90	0.21	15.8	1.94		
7/15/2025											
7/16/2025											
7/17/2025		8	0.053	17.4	1.49					29.4	15.5
7/18/2025											
7/19/2025											
7/20/2025											
7/21/2025											
7/22/2025	0.76	8	0.06	17.5	1.68	8.10	0.15	16.1	1.57		
7/23/2025		7.5	0.054	15.8	1.64					28	16.4
7/24/2025											
7/25/2025											
7/26/2025											
7/27/2025											
7/28/2025	0.52	7.7	0.058	15.9	2.04	7.80	0.16	15.9	1.66		
7/29/2025											
7/30/2025										29.7	15.5
7/31/2025											
Min	0.35	7.5	0.045	15.8	1.16	7.8	0.15	15.8	1.54	26.6	14.8
Max	0.76	8	0.06	19.4	2.23	8.1	0.21	18.3	1.94	29.7	16.4
Average	0.56	7.7	0.053	17.3	1.73	7.9	0.18	16.5	1.68	28.3	15.6
Total											

Lhw Log Sheets

Location	TW Storage Tank	TW Storage Tank	Aeration System	Aeration System	Aeration System	Routine Sample Site		
Parameter	pH	cl2 residual	Run in Hand	Pump Recirc Discharge	Recirc Pump Discharge	Cl2 Residual		
frequency	weekly	weekly	as needed	weekly	weekly	as needed		
Units	Units	ppm	Yes/No	min	min	mg/L		
Type						grab		
High Limit	8.5	2						
Low Limit	7.5	0.3						
Date								
7/1/2025			Y					
7/2/2025	8.5	0.58	Y			1.1		
7/3/2025			Y					
7/4/2025			N					
7/5/2025			N					
7/6/2025			N					
7/7/2025			N					
7/8/2025			N					
7/9/2025			Y					
7/10/2025			Y					
7/11/2025	8.5	0.3	Y			0.73		
7/12/2025			N					
7/13/2025			N					
7/14/2025			Y					
7/15/2025			Y			1.3		
7/16/2025			Y					
7/17/2025	8.5	0.66	Y					
7/18/2025			N					
7/19/2025			N					
7/20/2025			N					
7/21/2025			N					
7/22/2025			Y					
7/23/2025	8.3	0.51	Y			1.1		
7/24/2025			Y					
7/25/2025			N					
7/26/2025			N					
7/27/2025			N					
7/28/2025			Y					
7/29/2025			Y					
7/30/2025	8.3	0.53	Y			0.87		
7/31/2025			N					
Min	8.3	0.3		0	0	0.73		
Max	8.5	0.66		0	0	1.3		
Average	8.4	0.52				1.02		
Total								

LHW

July

La Honda Water System

CHLORINE RESIDUAL	SAMPLE POINT	SAMPLE ID	DATE	RESULT	UNIT	LIMIT	METHOD	DL	RL	TYPE
	14251 Pescadero Creek	AA19104	7/15/25	1.47	mg/L		SM 4500-Cl G	0.02	0.02	Routine
COLIFORM MPN	SAMPLE POINT	SAMPLE ID	DATE	RESULT	UNIT	LIMIT	METHOD	DL	RL	TYPE
	Alpine Creek - Raw Water	AA19103	7/15/25	547.5	MPN/100mL		SM9223B-18 (MPN)	1.0	1.0	Other
COLIFORM PA	SAMPLE POINT	SAMPLE ID	DATE	RESULT	UNIT	LIMIT	METHOD	DL	RL	TYPE
	14251 Pescadero Creek	AA19104	7/15/25	A	P/A		SM9223B-18			Routine
E COLI MPN	SAMPLE POINT	SAMPLE ID	DATE	RESULT	UNIT	LIMIT	METHOD	DL	RL	TYPE
	Alpine Creek - Raw Water	AA19103	7/15/25	39.5	MPN/100mL		SM9223B-18 (MPN)	1.0	1.0	Other
E COLI PA	SAMPLE POINT	SAMPLE ID	DATE	RESULT	UNIT	LIMIT	METHOD	DL	RL	TYPE
	14251 Pescadero Creek	AA19104	7/15/25	A	P/A		SM9223B-18			Routine
UV254 PERF	SAMPLE POINT	SAMPLE ID	DATE	RESULT	UNIT	LIMIT	METHOD	DL	RL	TYPE
	Alpine Creek - Raw Water	AA19293	7/15/25	0.220	1/cm		SM 5910B			
	Alpine Creek - Raw Water	AA19324	7/24/25	0.075	1/cm		SM 5910B			
	Alpine Creek - Raw Water	AA19350	7/30/25	0.050	1/cm		SM 5910B			
			HIGH 0.22	AVG 0.12	LOW 0.05					
	Treated Water	AA19294	7/15/25	0.170	1/cm		SM 5910B			
	Treated Water	AA19325	7/24/25	0.066	1/cm		SM 5910B			
	Treated Water	AA19351	7/30/25	0.028	1/cm		SM 5910B			
			HIGH 0.17	AVG 0.09	LOW 0.03					

Monthly Summary of Monitoring
For Surface Water Treatment Regulations

System Name: La Honda Water System (CSA #7) System Number: CA4100509

Treatment Plant Name: La Honda Water System (CSA #7) Month: July Year: 2025

Treated Water Turbidities Every Four Hours (NTU)*

Date	Peak Raw Water Turbidity	Peak Settled Water Turbidity	Midnight to 0400	0400 to 0800	0800 to Noon	Noon to 1600	1600 to 2000	2000 to Midnight	Average Treated Water	Minimum Ct. Ratio
1	1.20		0.09	0.05	0.04	0.07	0.05	0.04	0.06	5.6
2	1.70		0.04		0.04	0.05	0.04	0.04	0.04	5.5
3	1.34		0.05	0.04	0.04	0.05			0.05	5.6
4										
5										
6										
7										
8										
9	6.11					0.04	0.04	0.04	0.04	5.7
10	1.03		0.05	0.05	0.04	0.05	0.05	0.04	0.05	5.7
11										
12										
13										
14	3.61					0.06	0.05	0.04	0.05	6.3
15	1.78		0.06	0.05	0.04	0.07	0.05	0.04	0.05	5.6
16	1.04		0.09	0.05	0.04	0.07	0.05	0.04	0.06	5.6
17	0.94		0.05	0.05	0.05	0.05	0.05	0.05	0.05	4.8
18										
19										
20										
21										
22	5.12					0.06	0.08	0.05	0.06	6.6
23	1.30		0.05	0.05	0.05	0.05	0.05	0.06	0.05	6.5
24	0.86		0.05	0.05	0.05	0.05	0.05	0.05	0.05	5.1
25	0.56									
26										
27										
28	6.97					0.05	0.05	0.07	0.06	5.1
29	1.46		0.06	0.05	0.08	0.06	0.05	0.05	0.06	5.0
30	1.07		0.06	0.05	0.05	0.06	0.05	0.05	0.05	5.4
31										
Ave.	2.26								0.05	4.8

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

Total No. of Samples: 75 No. of Readings ≤ 0.3 NTU: 75

% Readings ≤ 0.3 NTU = [(No. Readings ≤ 0.3 NTU) / (Total No. Samples)] x 100 = 100%

Meets Standard (i.e. more than 95% of readings are ≤ 0.3 NTU) (Y/N)? Y

Percent reduction during the month = [(Average Raw NTU - Average Effluent NTU)] / (Average Raw NTU) x 100 = 98%

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) 0.077

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

Date	Which Turbidimeter	Standard used (primary/secondary)	Date	Which Turbidimeter	Standard Used (primary/secondary)
3/28/2024	Hach, raw wtr	0/20 Formazin	3/28/2024	Hach, treated	0/20 Formazin
6/25/2024	Hach, raw wtr	0/20 Formazin	6/25/2024	Hach, treated	0/20 Formazin
6/25/2024	Hach, raw wtr	0/20 Formazin	6/25/2024	Hach, treated	0/20 Formazin
9/19/2024	Hach, raw wtr	0/20 Formazin	9/19/2024	Hach, treated	0/20 Formazin
12/19/2024	Hach, raw wtr	0/20 Formazin	12/19/2024	Hach, treated	0/20 Formazin
3/28/2025	Hach, raw wtr	0/20 Formazin	3/28/2025	Hach, treated	0/20 Formazin
6/27/2025	Hach, raw wtr	0/20 Formazin	6/27/2025	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: Lloyd W Bucknell

Date: 8/8/2025

La Honda Water System
County Service Area No. 7
CA4100509

Surface Water Contact Time Calculation

Water Resources Control Board
Division of Drinking Water
1 Lower Ragsdale, Bldg 1, Rm 120
Monterey, CA 93940

Date	Flow (gpd)	Flow (gpm)	Minimum Clearwell Volume (gal)	Short Circuiting Factor	Tank Detention Time (min)	Pipeline Volume (gal)	Short Circuiting Factor	Pipeline Detention Time (min)	Finish Water Cl2 Residual (mg/L)	pH	Temperature (C)	Required CT	Total Contact Time (min-mg/L)	CT Ratio
7/1/2025	43,850	46.9	22,500	0.1	48	245	0.9	4.7	1.96	7.8	16.7	18.38	103.24	5.6
7/2/2025	43,850	46.9	22,500	0.1	48	245	0.9	4.7	2.22	8.1	16.7	21.32	117.15	5.5
7/3/2025	33,750	46.9	22,500	0.1	48	245	0.9	4.7	2.06	7.92	16.7	19.29	108.72	5.6
7/4/2025														
7/5/2025														
7/6/2025														
7/7/2025														
7/8/2025														
7/9/2025	38,400	46.9	22,500	0.1	48	245	0.9	4.7	2.26	8.4	18.3	20.99	118.94	5.7
7/10/2025	38,400	46.9	22,500	0.1	48	245	0.9	4.7	1.98	8.1	18.3	18.39	104.40	5.7
7/11/2025														
7/12/2025														
7/13/2025														
7/14/2025	38,400	46.9	22,500	0.1	48	245	0.9	4.7	2.54	7.9	15.8	21.36	134.00	6.3
7/15/2025	55,200	46.9	22,500	0.1	48	245	0.9	4.7	2.54	8.2	15.8	23.95	133.95	5.6
7/16/2025	55,200	46.9	22,500	0.1	48	245	0.9	4.7	2.33	8.0	15.8	21.79	122.57	5.6
7/17/2025	55,200	46.9	22,500	0.1	48	245	0.9	4.7	2.04	8.2	15.8	22.23	107.35	4.8
7/18/2025														
7/19/2025														
7/20/2025														
7/21/2025														
7/22/2025	28,100	46.9	22,500	0.1	48	245	0.9	4.7	2.87	8.0	16.1	22.99	151.33	6.6
7/23/2025	58,100	46.9	22,500	0.1	48	245	0.9	4.7	2.44	7.7	16.1	19.65	128.42	6.5
7/24/2025	39,350	46.9	22,500	0.1	48	245	0.9	4.7	1.99	8.0	16.1	20.53	104.98	5.1
7/25/2025									1.14	7.5	16.1			
7/26/2025														
7/27/2025														
7/28/2025	39,350	46.9	22,500	0.1	48	245	0.9	4.7	2.18	8.2	15.9	22.52	114.94	5.1
7/29/2025	42,633	46.9	22,500	0.1	48	245	0.9	4.7	1.75	7.7	15.9	18.39	91.97	5.0
7/30/2025	42,633	46.9	22,500	0.1	48	245	0.9	4.7	1.92	7.7	15.9	18.57	100.87	5.4
7/31/2025														

Average	43,494	46.9	22,500	0.1	48	245		4.7	2.1	8.0	16.4	20.7	116.2	5.6
High	58,100	46.9	22,500	0.1	48	245		4.7	2.9	8.4	18.3	23.9	151.3	6.6
Low	28,100	46.9	22,500	0.1	48	245		4.7	1.1	7.5	15.8	18.4	92.0	4.8
Total	652,416													

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

Date of Report: August 07, 2025

Laboratory: BEI Analytical Laboratory (ELAP 3019)

Report Period: July, 2025 System Name: **La Honda Water System** System Number: **CA4100509**

Collection Date	Site Name	Analyte	Sample Type	Result	Remarks	Sampler
7/15/2025	Alpine Creek - Raw Water	Coliform	Other	547.5	SM9223B-18 (MPN)	Keefe Brennan
7/15/2025	Alpine Creek - Raw Water	E. Coli	Other	39.5	SM9223B-18 (MPN)	Keefe Brennan
7/15/2025	14251 Pescadero Creek	COLIFORM	Routine	A	SM9223B-18	Keefe Brennan
7/15/2025	14251 Pescadero Creek	E. COLI	Routine	A	SM9223B-18	Keefe Brennan

1 = Routine
2 = Repeat
3 = Replacement
4 = Other
P = Present
A = Absent