BRACEWELL ENGINEERING, INC.
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May 9, 2025

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

Re: April 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

- The data logger at the Storage Tank was removed last month and we are waiting on the findings. While our operators are on site they are running the aeration system in hand.
- 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 2.4 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**												
4/1/2025			Y		27,407	35,550	3,833							
4/2/2025			N		27,407	-	3,833							
4/3/2025	KB	1015	Y	14.29	27,407	35,550	3,833		12.90				9.3	38%
4/4/2025			Y		13,115	41,633	1,827							
4/5/2025			Y		13,115	41,633	1,827							
4/6/2025			N		13,115	-	1,827							
4/7/2025			N		13,115	-	1,827							
4/8/2025			N		13,115	-	1,827							
4/9/2025			N		13,115	-	1,827							
4/10/2025			N		13,115	-	1,827							
4/11/2025			N		13,115	-	1,827							
4/12/2025			N		13,115	-	1,827							
4/13/2025			N		13,115	-	1,827							
4/14/2025	KB	1500	Y	13.39	13,115	41,633	1,827	8.3	2.61	2.73	13		15.4	34%
4/15/2025			Y		56,343	49,650	5,750							
4/16/2025	KB	930	Y	14.36	56,343	49,650	5,750		1.83				10.9	37%
4/17/2025			Y		5,814	30,900	483							
4/18/2025			N		5,814	-	483							
4/19/2025			N		5,814	-	483							
4/20/2025			N		5,814	-	483							
4/21/2025			N		5,814	-	483							
4/22/2025			N		5,814	-	483							
4/23/2025			N		5,814	-	483							
4/24/2025			N		5,814	-	483							
4/25/2025			N		5,814	-	483							
4/26/2025			N		5,814	-	483							
4/27/2025			N		5,814	-	483							
4/28/2025	KB	1515	Y	14.37	5,814	30,900	483	8.3	1.82	2.07	13.5	15"	13.8	36%
4/29/2025			Y		56,948	49,900	4,250							
4/30/2025	KB	945	Y	13.59	56,948	49,900	4,250		1.58				11.4	39%
Min				13.39	5,814	-	483	8.3	1.58	2.07	13	0	9.3	34%
Max				14.37	56,948	49,900	5,750	8.3	12.90	2.73	13.5	0	15.4	39%
Average				14	17,428	15,230	1,913	8.3	4.10	2.4	13.3		12.2	37%
Total					522,836	456,900	57,400							

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
Parameter	Turbidity	Max pH	Max Turbidity	Min Temp	Min CL2	pH	Turbidity	Temp	CL2	Level
frequency	weekly	daily	daily	daily	daily	weekly	weekly	weekly	weekly	weekly
Units	ntu	units	ntu	C	mg/L	units	ntu	C	mg/L	ft
Type	Grab	Analyzer	Analyzer	Analyzer	Analyzer	Grab	Grab	Grab	Grab	Visual
High Limit										
Low Limit										
Date										
4/1/2025										
4/2/2025										
4/3/2025		7.4	0.084	12.7	1.78					
4/4/2025										
4/5/2025										
4/6/2025										
4/7/2025										
4/8/2025										
4/9/2025										
4/10/2025										
4/11/2025										
4/12/2025										
4/13/2025										
4/14/2025	3.38	7.5	0.097	13	1.82	7.40	0.15	13	1.84	
4/15/2025										
4/16/2025		7.7	0.094	12.8	1.70					
4/17/2025										30.3
4/18/2025										
4/19/2025										
4/20/2025										
4/21/2025										
4/22/2025										
4/23/2025										
4/24/2025										
4/25/2025										
4/26/2025										
4/27/2025										
4/28/2025	0.89	7.7	0.128	13.6	1.78	7.60	0.21	13.6	1.89	
4/29/2025										
4/30/2025		7.7	0.092	13	1.98					
Min	0.89	7.4	0.084	12.7	1.7	7.4	0.15	13	1.84	30.3
Max	3.38	7.7	0.128	13.6	1.98	7.6	0.21	13.6	1.89	30.3
Average	2.14	7.6	0.1	13	1.81	7.5	0.18	13.3	1.87	30
Total										

Lhw Log Sheets

Location	TW Storage Tank	TW Storage Tank	TW Storage Tank	Routine Sample Site		
Parameter	Temp	pH	cl2 residual	Cl2 Residual		
frequency	weekly	weekly	weekly	as needed		
Units	C	Units	ppm	mg/L		
Type				grab		
High Limit	17	8.5	2			
Low Limit	6.5	7.5	0.3			
Date						
4/1/2025						
4/2/2025						
4/3/2025				0.58		
4/4/2025						
4/5/2025						
4/6/2025						
4/7/2025						
4/8/2025						
4/9/2025				0.34		
4/10/2025						
4/11/2025						
4/12/2025						
4/13/2025						
4/14/2025						
4/15/2025				0.79		
4/16/2025						
4/17/2025	12.9	7.9	0.85			
4/18/2025						
4/19/2025						
4/20/2025						
4/21/2025						
4/22/2025						
4/23/2025				0.39		
4/24/2025						
4/25/2025						
4/26/2025						
4/27/2025						
4/28/2025						
4/29/2025						
4/30/2025						
Min	12.9	7.9	0.85	0.34		
Max	12.9	7.9	0.85	0.79		
Average	12.9	7.9	0.85	0.53		
Total						

LHW

April La Honda Water System

CHLORINE RESIDUAL	SAMPLE POINT	SAMPLE ID	DATE	RESULT	UNIT	LIMIT	METHOD	DL	RL	TYPE
	Old Chlorination Station- Sam McDonald Park	AA17929	4/15/25	0.79	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	AA17928	4/15/25	235.9	MPN/100mL		SM9223B-18 (MPN)	1.0	1.0	Other
COLIFORM PA	**SAMPLE POINT**	**SAMPLE ID**	**DATE**	**RESULT**	**UNIT**	**LIMIT**	**METHOD**	**DL**	**RL**	**TYPE**
	Old Chlorination Station- Sam McDonald Park	AA17929	4/15/25	A	P/A		SM9223B-18			Routine
COPPER	**SAMPLE POINT**	**SAMPLE ID**	**DATE**	**RESULT**	**UNIT**	**LIMIT**	**METHOD**	**DL**	**RL**	**TYPE**
	13770 Pescadero Creek	AA12130	4/1/25	246.0	µg/L	1300	EPA 200.8	1	2	
	19 Memory Ln	AA12131	4/1/25	226.0	µg/L	1300	EPA 200.8	1	2	
	7940 La Honda Rd	AA12134	4/1/25	352.0	µg/L	1300	EPA 200.8	1	2	
E COLI MPN	**SAMPLE POINT**	**SAMPLE ID**	**DATE**	**RESULT**	**UNIT**	**LIMIT**	**METHOD**	**DL**	**RL**	**TYPE**
	Alpine Creek - Raw Water	AA17928	4/15/25	36.4	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**
	Old Chlorination Station- Sam McDonald Park	AA17929	4/15/25	A	P/A		SM9223B-18			Routine
LEAD	**SAMPLE POINT**	**SAMPLE ID**	**DATE**	**RESULT**	**UNIT**	**LIMIT**	**METHOD**	**DL**	**RL**	**TYPE**
	13770 Pescadero Creek	AA12130	4/1/25	1.8	µg/L	15	EPA 200.8	0.1	1	
	19 Memory Ln	AA12131	4/1/25	1.1	µg/L	15	EPA 200.8	0.1	1	
	7940 La Honda Rd	AA12134	4/1/25	0.5	µg/L	15	EPA 200.8	0.1	1	
NITRATE	**SAMPLE POINT**	**SAMPLE ID**	**DATE**	**RESULT**	**UNIT**	**LIMIT**	**METHOD**	**DL**	**RL**	**TYPE**
	Alpine Creek - Raw Water	AA17934	4/17/25	<0.4	mg/L as N	10	SM 4500-NO3-D	0.16	0.40	
TITLE 22	**SAMPLE POINT**	**SAMPLE ID**	**DATE**	**RESULT**	**UNIT**	**LIMIT**	**METHOD**	**DL**	**RL**	**TYPE**
	Alpine Creek - Raw Water	AA17932	4/17/25	Attached			MBAS-Title 22			
TURBIDITY SCREEN PB-CU	**SAMPLE POINT**	**SAMPLE ID**	**DATE**	**RESULT**	**UNIT**	**LIMIT**	**METHOD**	**DL**	**RL**	**TYPE**
	13770 Pescadero Creek	AA12130	4/1/25	0.1	NTU		EPA 180.1	0.05	0.1	
	19 Memory Ln	AA12131	4/1/25	0.1	NTU		EPA 180.1	0.05	0.1	
	7940 La Honda Rd	AA12134	4/1/25	0.1	NTU		EPA 180.1	0.05	0.1	
UV254 PERF	**SAMPLE POINT**	**SAMPLE ID**	**DATE**	**RESULT**	**UNIT**	**LIMIT**	**METHOD**	**DL**	**RL**	**TYPE**
	Alpine Creek - Raw Water	AA18362	4/15/25	0.110	1/cm		SM 5910B			
	Alpine Creek - Raw Water	AA18469	4/29/25	0.081	1/cm		SM 5910B			
			HIGH 0.11	AVG 0.10	LOW 0.08					
	Treated Water	AA18363	4/15/25	0.105	1/cm		SM 5910B			
	Treated Water	AA18470	4/29/25	0.052	1/cm		SM 5910B			
			HIGH 0.11	AVG 0.08	LOW 0.05					

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

Date of Report: May 06, 2025

Laboratory: BEI Analytical Laboratory (ELAP 3019)

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

Collection Date	Site Name	Analyte	Sample Type	Result	Remarks	Sampler
4/15/2025	Alpine Creek - Raw Water	Coliform	Other	235.9	SM9223B-18 (MPN)	Keefe Brennan
4/15/2025	Alpine Creek - Raw Water	E. Coli	Other	36.4	SM9223B-18 (MPN)	Keefe Brennan
4/15/2025	Old Chlorination Station- Sam McDonald	COLIFORM	Routine	A	SM9223B-18	Keefe Brennan
4/15/2025	Old Chlorination Station- Sam McDonald	E. COLI	Routine	A	SM9223B-18	Keefe Brennan

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

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: April 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	19.99		0.09	0.08	0.09	0.08	0.09		0.09	2.9
2										
3	16.64					0.07	0.08	0.07	0.08	3.5
4	8.82		0.09	0.08	0.08	0.08	0.08	0.07	0.08	3.3
5	7.37		0.09	0.07	0.08	0.08			0.08	2.6
6										
7										
8										
9										
10										
11										
12										
13										
14	15.38					0.09	0.09	0.09	0.09	2.8
15	2.68		0.11	0.09	0.09	0.09	0.09	0.15	0.10	2.6
16	3.03		0.09	0.09	0.10	0.09	0.15	0.09	0.10	2.4
17	2.90		0.09	0.08	0.09				0.09	2.5
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28	3.09						0.10	0.10	0.10	2.7
29	2.27		0.10	0.09	0.09	0.10	0.09	0.09	0.09	3.1
30	2.51		0.10	0.09	0.09	0.11	0.09	0.09	0.10	2.8
31										
Ave.	7.70								0.09	2.4

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

Total No. of Samples: 50 No. of Readings ≤ 0.3 NTU: 50

% 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)] x 100 = 99%
(Average Raw NTU)

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) 0.110

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

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: 5/9/2025

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)	Pipeline Detention Time (min)	Finish Water Cl2 Residual (mg/L)	pH	Temperature (C)	Required CT	Total Contact Time (min-mg/L)	CT Ratio
4/1/2025	35,550	46.9	22,500	0.1	48	245	5.2	2.38	7.6	12.7	23.31	68.17	2.9
4/2/2025													
4/3/2025	35,550	46.9	22,500	0.1	48	245	5.2	3.00	7.60	12.7	24.79	85.66	3.5
4/4/2025	41,633	46.9	22,500	0.1	48	245	5.2	2.85	7.6	12.7	24.86	81.49	3.3
4/5/2025	41,633	46.9	22,500	0.1	48	245	5.2	2.04	7.6	12.7	22.62	58.19	2.6
4/6/2025													
4/7/2025													
4/8/2025													
4/9/2025													
4/10/2025													
4/11/2025													
4/12/2025													
4/13/2025													
4/14/2025	41,633	46.9	22,500	0.1	48	245	5.2	2.32	7.8	13.0	23.97	66.19	2.8
4/15/2025	49,650	46.9	22,500	0.1	48	245	5.2	2.06	7.7	13.0	22.76	58.96	2.6
4/16/2025	49,650	46.9	22,500	0.1	48	245	5.2	1.90	7.7	13.0	22.35	54.44	2.4
4/17/2025	30,900	46.9	22,500	0.1	48	245	5.2	1.91	7.7	13.0	22.23	54.67	2.5
4/18/2025													
4/19/2025													
4/20/2025													
4/21/2025													
4/22/2025													
4/23/2025													
4/24/2025													
4/25/2025													
4/26/2025													
4/27/2025													
4/28/2025	30,900	46.9	22,500	0.1	48	245	5.2	2.68	8.2	13.6	28.17	76.51	2.7
4/29/2025	49,900	46.9	22,500	0.1	48	245	5.2	2.67	7.9	13.6	24.81	76.20	3.1
4/30/2025	49,900	46.9	22,500	0.1	48	245	5.2	2.39	7.9	13.6	24.10	68.25	2.8

Average	41,536	46.9	22,500	0.1	48	245	5.2	2.4	7.8	13.1	24.0	68.1	2.8
High	49,900	46.9	22,500	0.1	48	245	5.2	3.0	8.2	13.6	28.2	85.7	3.5
Low	30,900	46.9	22,500	0.1	48	245	5.2	1.9	7.6	12.7	22.2	54.4	2.4
Total	456,899												