



**BRACEWELL ENGINEERING, INC.**

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December 11, 2024

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

Re: November 2024 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
- A data logger was installed at the Storage Tank to troubleshoot the aerator on November 20<sup>th</sup> and set to stay on for 30 days.
  - 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 2.0 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
Parameter			SW Plant	Tank	Flow	Average Flow	Flow	pH	Max Turbidity	Turbidity
frequency			daily	daily	calculation	calculation	calculation	weekly	daily	weekly
Units			Y/N	ft	gal/d	gal/d	gal/d	units	ntu	ntu
Type				level	flow		flow		Analyzer	Grab
High Limit										
Low Limit										
Date	Initials	Time								
11/1/2024			N		10,775	-	1,257			
11/2/2024			N		10,775	-	1,257			
11/3/2024			N		10,775	-	1,257			
11/4/2024	KB	930	Y	14.34	10,775	31,950	1,257	8.47	0.52	0.68
11/5/2024			Y		9,052	38,850	860			
11/6/2024			N		9,052	-	860			
11/7/2024			N		9,052	-	860			
11/8/2024			N		9,052	-	860			
11/9/2024			N		9,052	-	860			
11/10/2024			N		9,052	-	860			
11/11/2024			N		9,052	-	860			
11/12/2024			N		9,052	-	860			
11/13/2024			N		9,052	-	860			
11/14/2024	KB	900	Y	14.76	9,052	38,850	860	8.54	1.72	1.69
11/15/2024			Y		20,144	35,567	1,933			
11/16/2024			Y		20,144	35,567	1,933			
11/17/2024			N		20,144	-	1,933			
11/18/2024			N		20,144	-	1,933			
11/19/2024			N		20,144	-	1,933			
11/20/2024	KB	1000	Y	13.94	20,144	35,567	1,933	8.49	0.43	0.55
11/21/2024			Y		12,616	28,100	1,160			
11/22/2024			N		12,616	-	1,160			
11/23/2024			N		12,616	-	1,160			
11/24/2024			N		12,616	-	1,160			
11/25/2024	Kb/Jo	1200	Y	14.17	12,616	28,100	1,160	8.49	1.40	1.95
11/26/2024			Y		12,165	18,950	1,243			
11/27/2024			Y		12,165	18,950	1,243			
11/28/2024			Y		12,165	18,950	1,243			
11/29/2024			N		12,165	-	1,243			
11/30/2024			N		12,165	-	1,243			
Min				13.94	9,052	-	860	8.47	0.431	0.55
Max				14.76	20,144	38,850	1,933	8.54	1.72	1.95
Average				14.3	12,613	10,980	1,241	8.5	1.02	1.22
Total					378,386	329,400	37,243			

Lhw Log Sheets

Location	Inlet	Creek	Air	Air	Filter Inlet	Contact Pipe	Contact Pipe	Contact Pipe	Contact Pipe	Contact Pipe
Parameter	Temp.	Water Level	Temp	Percip	Turbidity	Max pH	Max Turbidity	Min Temp	Min CL2	pH
frequency	weekly	monthly	daily	daily	weekly	daily	daily	daily	daily	weekly
Units	C	inches	C	%	ntu	units	ntu	C	mg/L	units
Type	Grab	grab			Grab	Analyzer	Analyzer	Analyzer	Analyzer	Grab
High Limit										
Low Limit										
Date										
11/1/2024										
11/2/2024										
11/3/2024										
11/4/2024	13.2		15.2	34%	0.83	7.9	0.07	13.2	2.26	7.88
11/5/2024										
11/6/2024										
11/7/2024										
11/8/2024										
11/9/2024										
11/10/2024										
11/11/2024										
11/12/2024										
11/13/2024										
11/14/2024	13.7		9.9	47%	0.33	7.8	0.073	12.7	1.71	7.84
11/15/2024										
11/16/2024										
11/17/2024										
11/18/2024										
11/19/2024										
11/20/2024	12.4		12	36%	0.61	7.9	0.072	11.3	2.17	7.78
11/21/2024										
11/22/2024										
11/23/2024										
11/24/2024										
11/25/2024	12.6		11.1	51%	0.64	7.7	0.079	12.3	2.01	7.84
11/26/2024										
11/27/2024		14"								
11/28/2024										
11/29/2024										
11/30/2024										
Min	12.4	0	9.9	34%	0.33	7.7	0.07	11.3	1.71	7.78
Max	13.7	0	15.2	51%	0.83	7.9	0.079	13.2	2.26	7.88
Average	13		12.1	42%	0.6	7.8	0.07	12.4	2	7.8
Total										

Lhw Log Sheets

Location	Contact Pipe	Contact Pipe	Contact Pipe	TW Storage Tan	TW Storage Tan	TW Storage Tan	TW Storage Tan	Routine Sample Site	
Parameter	Turbidity	Temp	CL2	Level	Temp	pH	cl2 residual	Cl2 Residual	
frequency	weekly	weekly	weekly	weekly	weekly	weekly	weekly	as needed	
Units	ntu	C	mg/L	ft	C	Units	ppm	mg/L	
Type	Grab	Grab	Grab	Visual				grab	
High Limit					17	8.5	2		
Low Limit					6.5	7.5	0.3		
Date									
11/1/2024									
11/2/2024									
11/3/2024									
11/4/2024	0.13	13.2	2.22	27.5	13.5	7.9	1.9		
11/5/2024									
11/6/2024									
11/7/2024									
11/8/2024									
11/9/2024									
11/10/2024									
11/11/2024									
11/12/2024									
11/13/2024									
11/14/2024	0.17	13.2	1.83						
11/15/2024				28.2	12.9	7.95	1.42		
11/16/2024									
11/17/2024									
11/18/2024									
11/19/2024								0.25	
11/20/2024	0.18	11.6	2.16						
11/21/2024				30.1	12.4	7.98	1.63		
11/22/2024									
11/23/2024									
11/24/2024									
11/25/2024	0.21	12.2	2.05	28.2	12.2	8.11	0.33		
11/26/2024									
11/27/2024									
11/28/2024									
11/29/2024									
11/30/2024									
Min	0.13	11.6	1.83	27.5	12.2	7.9	0.33	0.25	
Max	0.21	13.2	2.22	30.1	13.5	8.11	1.9	0.25	
Average	0.17	12.6	2.07	28.5	12.8	7.99	1.32	0.25	
Total									

# LHW

November

La Honda Water System (W4100509)

CHLORINE RESIDUAL	SAMPLE POINT	SAMPLE ID	DATE	RESULT	UNIT	LIMIT	METHOD	DL	RL	TYPE
	Old Chlorination Station- Sam McDonald Park	AA09876	11/19/24	0.25	mg/L		SM 4500-CI G	0.02	0.02	Routine
COLIFORM MPN	SAMPLE POINT	SAMPLE ID	DATE	RESULT	UNIT	LIMIT	METHOD	DL	RL	TYPE
	Alpine Creek - Raw Water	AA09875	11/19/24	2.0	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	AA09876	11/19/24	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	AA09875	11/19/24	1.0	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	AA09876	11/19/24	A	P/A		SM9223B-18			Routine
UV254 PERF	SAMPLE POINT	SAMPLE ID	DATE	RESULT	UNIT	LIMIT	METHOD	DL	RL	TYPE
	Alpine Creek - Raw Water	AA09996	11/15/24	0.080	1/cm		SM 5910B			
	Alpine Creek - Raw Water	AA11151	11/19/24	0.053	1/cm		SM 5910B			
	Alpine Creek - Raw Water	AA11190	11/25/24	0.212	1/cm		SM 5910B			
			HIGH 0.21	AVG 0.12	LOW 0.05					
	Treated Water	AA09997	11/15/24	0.065	1/cm		SM 5910B			
	Treated Water	AA11152	11/19/24	0.024	1/cm		SM 5910B			
	Treated Water	AA11191	11/25/24	0.081	1/cm		SM 5910B			
			HIGH 0.08	AVG 0.06	LOW 0.02					

## 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: November Year: 2024

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										
2										
3										
4	3.84					0.07	0.06	0.07	0.07	2.0
5	0.58		0.07	0.07	0.07	0.07	0.07	0.07	0.07	2.4
6										
7										
8										
9										
10										
11										
12										
13										
14	6.02					0.07	0.07	0.08	0.07	3.0
15	1.05		0.07	0.07	0.08	0.07	0.07	0.07	0.07	2.8
16	0.47		0.07	0.07	0.08				0.07	3.0
17										
18										
19										
20	2.80					0.07	0.07	0.08	0.07	2.7
21	0.93		0.07	0.08	0.08				0.08	2.4
22	0.52					0.07			0.07	
23										
24										
25	2.18					0.08	0.08		0.08	2.7
26	1.70					0.13	0.05	0.07	0.08	2.3
27	1.20					0.22	0.05	0.05	0.11	2.9
28	0.89		0.22						0.22	2.8
29										
30										
31										
Ave.	1.85								0.08	2.0

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

Total No. of Samples: 37 No. of Readings ≤ 0.3 NTU: 37

% 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 = 96%

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) 0.149

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)
1/27/2023	Hach, raw wtr	0/20 Formazin	1/27/2023	Hach, treated	0/20 Formazin
6/2/2023	Hach, raw wtr	0/20 Formazin	6/2/2023	Hach, treated	0/20 Formazin
9/27/2023	Hach, raw wtr	0/20 Formazin	9/27/2023	Hach, treated	0/20 Formazin
12/28/2023	Hach, raw wtr	0/20 Formazin	12/28/2023	Hach, treated	0/20 Formazin
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

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  $V = [ 1 - ( \text{Total number of samples with no residual and/or HPC} > 500 ) / ( \text{Total number of residual and/or HPC samples collected} ) ] \times 100 =$  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

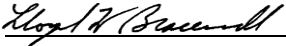
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Signature: 

Date: 12/10/2024





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

Date of Report: December 04, 2024

Laboratory: BEI Analytical Laboratory (ELAP 3019)

Report Period: November, 2024

System Name: **La Honda Water System**

System Number: **CA4100509**

<b>Collection Date</b>	<b>Site Name</b>	<b>Analyte</b>	<b>Sample Type</b>	<b>Result</b>	<b>Remarks</b>	<b>Sampler</b>
11/19/2024	Alpine Creek - Raw Water	Coliform	Other	2.0	SM9223B-18 (MPN)	Keefe Brennan
11/19/2024	Alpine Creek - Raw Water	E. Coli	Other	1.0	SM9223B-18 (MPN)	Keefe Brennan
11/19/2024	Old Chlorination Station- Sam McDonald	COLIFORM	Routine	A	SM9223B-18	Keefe Brennan
11/19/2024	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