

March 6, 2020

California Department of Business Oversight
320 West 4th Street
Los Angeles, California 90013

Subject: Afuera de Chorro Mutual Water Company

Dear Sir or Madam:

Background:

I have reviewed the documents on file with your Department for the subject water company including the Engineer's Report dated January 6, 2009 and the letters dated December 11, 2013 and June 23, 2014 reflecting two reviews previously prepared by Westland Engineering, Inc. (subsequently doing business as Orton Engineering, Inc.) These documents were submitted with Afuera de Chorro Mutual Water Company's (**Company**) prior Application for Permit dated January 12, 2009, and revised May 1, 2009.

After the previous engineer (Mr. Orton) retired, our firm has been filing Engineer's Reports on behalf of the Water Company beginning in September 2015 and continuing thereafter including the last report filed on March 18, 2019 for calendar year 2018,

The following is a current Engineer's Report covering the Company's activities for calendar year 2019, and by reference, incorporates the documents previously filed with your department in prior years.

March 11, 2019 Report:

The March 18, 2019 Engineers report covered the calendar year 2018 and an updated water model was prepared in March 2019. This model included fire flow testing at all fire hydrants within the water system. It should be noted that the model could not calibrate due to pressure losses across valves at Tiburon and Sequoia. The following recommendations are still being addressed by the Water Company:

1. Replace the gate valves at the intersection of Tiburon and Sequoia.
2. Replace the wharf head hydrant on Sequoia Drive northwest of Tiburon Way with a fire hydrant

Once these repairs are completed, the water system will be capable of meeting the fire flow requirements set forth in the previous Engineer's Report.

Operations:

I have also discussed the current condition of the system with a representative of Fluid Resource Management, (**FRM**), the company operating and maintaining the system, and asked about any changes to the system since the above referenced



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letters were last provided to your office. I have attached a current letter from FRM dated March 2, 2020 which lists the improvements and modifications made to the system.

The fire flow and overall hydrant spacing requirements have not changed since the last report was prepared.

Water Consumption and Connections:

The following information is taken from the **ENGINEER'S REPORT, AFUERA DE CHORRO MUTUAL WATER COMPANY** by Westland Engineering, Inc. dated January 2009 (noted as the Engineer's Report).

***"Present and Ultimate Water Consumption.** The consumption within the Service Area is approximately 22 acre feet. Lots numbered 1 through 7, 10 through 12, and 14 through 20 can be subdivided; Lots 8, 9 and 13 can support two primary structures. Assuming all seventeen such lots are in fact subdivided and two primary structures are built on the three other lots, the ultimate consumption will be approximately 47.3 acre feet."*

This information is being updated to show that the Afuera de Chorro Water Company reported that in 2018, water production from all wells totaled 17.39 acre-feet of water. The current water usage in 2019 was 15.73. (Graph attached). This reduction in water usage from projected usage of 22 acre-feet shown in the Engineer's Report (Westland Engineering Report) results from the general water conservation practices implemented by the Board of Directors and, by water conservation awareness of the individual lot owners within the service area.

There were 32 service connections as of December 31, 2019, eight of which were inactive. Therefore there were 24 active meters taking water in 2019. The number of possible connections (40) within the Company's service area also remains the same. Therefore, the Ultimate Water Consumption presented in earlier Engineer's Reports remains within the production capability of the Company's water sources.

Please refer to the previous Engineer's Report and Hydrogeology Reports¹ that are on file with your Department which document the water availability to the system.

¹ Hydrogeology Report by John t. O'Rourke dated November 1, 2006 updating information from reports by Charles Katherman dated July 10, 2006 and revised August 12, 2006



Based upon the forgoing information, it is my opinion that the information contained in the Report remains accurate and that the water supply system of Afuera de Chorro Mutual Water Company complies with Sections 260.140.71.3 for the total water supply, distribution and fire protection system, present and proposed and conclude that a single, completely integrated and serviceable water supply, distribution and fire protection system exists and further conclude, there is an adequate quantity of water available for the current and proposed requirements for the system.


Kari E. Wagner, C66026

3/6/2020
Date

Attachment:
Afuera de Chorro MUC Historical Water Usage





March 2, 2020

John Wallace
C/O Afuera de Chorro
612 Clarion Court
San Luis Obispo, CA 93401

RE: Afuera de Chorro System Updates

Mr. Wallace,

Below is a summary of changes that have taken place at the Afuera de Chorro Water System since January 1, 2019.

JANUARY

- Fire flow testing was performed per request.

FEBRUARY

- Repairs to the mainline on Tiburon were completed.
- A faulty USB connector was replaced after it was identified as the cause of several communication failure alarms.

MARCH

- PG&E addressed phase issues that were impacting power to the wells.
- New flowmeters for Wells 13 and 15 were installed and calibrated to SCADA.

APRIL

- The SCADA computer was replaced under warranty.

JUNE

- Samples were collected after repairs were made to the tank fill line.

If you have any questions, please do not hesitate to contact me at (805) 597-7100.

Sincerely,
FLUID RESOURCE MANAGEMENT

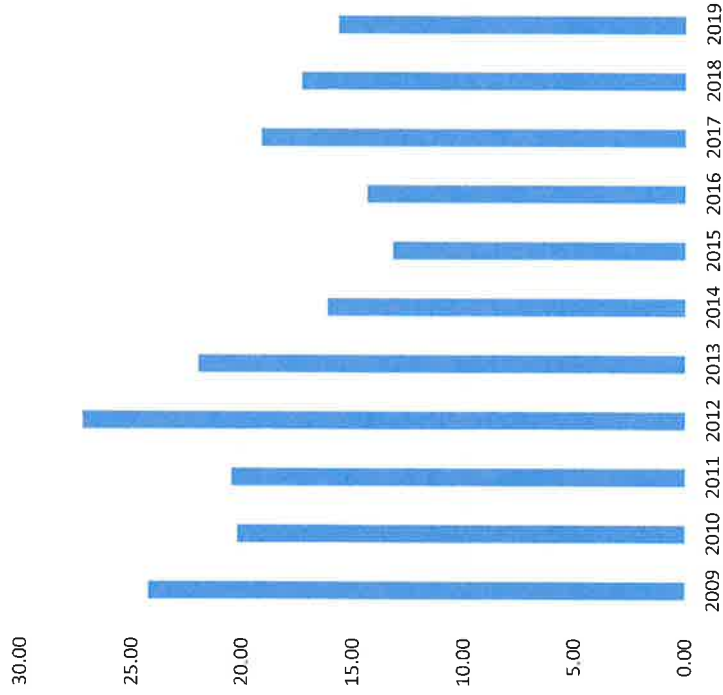
Carinna Butler
Operations Managers



Afuero de Chorro MWC
Historical Water usage*

year	total gals	AF
2009	7,556,534	24.27
2010	6,594,203	20.24
2011	6,680,250	20.50
2012	8,886,477	27.27
2013	7,181,614	22.04
2014	5,279,555	16.20
2015	4,325,368	13.27
2016	4,700,094	14.42
2017	6,255,542	19.20
2018	5,667,292	17.39
2019	5,126,820	15.73

Historical Water Usage



	2019/2018	
	2019	2018
2019	147,242	389,860
January	134,126	471,034
February	111,700	207,000
March	338,500	430,751
April	486,809	576,408
May	617,000	606,671
June	639,470	572,314
July	647,375	531,175
August	618,634	528,190
September	637,693	557,614
October	560,751	459,468
November	187,520	269,345
December	5,126,820	5,601,848
Total		

Total to date 5,126,820 5,599,830 92% *

*source, ML and County EHD ref