CALIFORNIA
AMERICAN WATER

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October 26, 2021

Ric Encarnacion, Interim Bureau Chief
(EncarnacionR@co.monterey.ca.us)
Monterey County Department
Environmental Health Bureau (EHB)
1270 Natividad Road
Salinas, CA 93906

Dear Mr. Encarnacion:

Please consider this letter and the attachments as our quarterly water audit report for the third quarter of 2021 which complies with the requirement in the Memorandum of Understanding (MOU), dated May 6, 2014, between California American Water Company and the County of Monterey regarding the Ambler Oaks Subdivision.

Each requirement in the MOU is listed and addressed below:

1. **will diligently pursue any permits and permit amendments necessary to incorporate the Oaks' well into its water system and, upon obtaining such permits, will incorporate the Oaks' well into the Monterey District Ambler Park System ("Ambler Park Water System").**

The State Water Resources Control Board – Division of Drinking Water (Division) approved Permit Amendment No. 3 to Original Permit No. 84-013 on June 30, 2015; adding the Ambler Oaks well as a new source of supply to the existing treatment plant and service area in the Ambler Park Water System. The Ambler Park Water System No. 2710006 is owned and operated by California American Water Company ().

2. **shall on a quarterly basis balance the volume of treated water sent from the Ambler Park Water System to the Oaks subdivision and the water sent from the Oaks well to the Ambler Park Water System so as to result in no net transfer of water. shall accomplish said balance by transferring a volume of raw water from the Oaks well to the Ambler Park Water System equal to the volume of water served by Ambler to the Oaks' lots. Equal volume shall include the calculated transportation water loss incurred in connection with Ambler's supply to the Oaks subdivision. The quantity of water pumped from the Oaks subdivision well to the Ambler Park Water System shall match the quarterly total plus the calculated transportation water loss.**

See *Attachment 1: Summary* for the total Ambler Oaks well production, The Oaks subdivision consumption, and transportation water loss. Transportation water loss will only be assigned in the event of a leak on the line between the Ambler Oaks well site and the Ambler Park Water System Treatment Plant site, otherwise a zero (0) volume of water will be reported each month for transportation water loss. Cal-Am began providing the Oaks subdivision with water in April 2008 from the Ambler Park Water System. Ambler Oaks well began producing water to the Ambler Park Water System Treatment Plant on April 1, 2016. As of September 30, 2021, the Ambler Oaks Subdivision consumption was 40,710 cubic feet more than what was produced by the Ambler Oaks Well.

3. **Cal-Am shall maintain water meters in good working order for its service to the Oaks lots, including residences and irrigation, so as to determine the amount of water served to the Oaks lots by the Ambler Park Water System. Cal-Am shall also maintain a water meter(s) in good working order at the Oaks well, which shall be used to determine the volume of water pumped from the well. Within the first sixty days of each calendar year, Cal-Am shall test all meters described in this Paragraph in accordance with corresponding manufacturer(s) specifications, and using competent personnel who are qualified to perform such testing. Cal-Am shall submit a report including the results of this testing to the Monterey County Health Department Environmental Health Bureau (EHB) with a copy to the MCWRA no later than thirty days following the completion of the first quarter of each calendar year. The report described in this Paragraph may be combined and submitted with a quarterly report as described in Paragraph 6.**

Cal-Am is following the Neptune meter manufacturer specifications. Manufacturer specifications do not require annual meter testing of 5/8" and 1" meters but do recommend testing or replacement after 20 years and 15 years respectively. The meters currently in use are 5/8" and 1" Neptune T-10 meters and were tested by the manufacturer (see *Attachment 3: Meter Numbers* and *Attachment 4: Meter Test Results*), they were installed between February 2018 and July 2021.

4. **Cal-Am shall on a quarterly basis total the monthly meter readings of the nine lots in the Oaks subdivision and the meter for irrigation of the common entrance. The water system's calculated transportation water loss for the quarter shall be added to the quarterly total meter readings. The quantity of water resulting from the addition of the quarterly total of the monthly meter readings and the calculated transportation water loss shall be pumped from the Oaks' well into the Ambler Park Water System on a quarterly basis during the calendar year (the four quarters being January through March, April through June, July through September, and October through December). Quarterly pumping of the Oaks' well based on the quarterly calculation within the month following the end of the quarter shall be considered to satisfy the no net transfer requirement.**

See *Attachment 5: Consumption* for the monthly consumption of the Oaks subdivision lots. There was a new meter set in the Ambler Oaks Subdivision on 07/12/2021 (see *Attachment 3: Meter Numbers* and *Attachment 4: Meter Test Results* for details). This brings the total to six residential

water meters and one dedicated irrigation meter. There are no meters set for the remaining three residential lots as of September 30, 2021. Transportation water loss will only be assigned in the event of a leak on the line between the Ambler Oaks well site and the Ambler Park Water System Treatment Plant site, otherwise a zero (0) volume of water will be reported each month for transportation water loss.
Cal-Am began providing the Oaks subdivision with water in April 2008 from the Ambler Park Water System. Ambler Oaks well began producing water to the Ambler Park Treatment Plant on April 1, 2016.

5. **Cal-Am shall on a quarterly basis submit to EHB with a copy to the MCWRA a quarterly water audit report for review by EHB. Cal-Am shall submit the water audit report no later than thirty days following each quarter. The water audit report shall be prepared by a qualified engineer experienced in water system operations. The water audit report shall indicate the quantity of water that was delivered to the Oaks subdivision (determined by the quarterly total of monthly meter readings of the nine Oaks subdivision lots and irrigation system plus the calculated transportation water loss) from the Ambler Park Water System and the quantity of water that was pumped from the Oaks' well to the Ambler Park Water System during the quarter. The report shall confirm that the quantity of water pumped from the Oaks' well to the Ambler Park Water System equals the quarterly total plus the calculated transportation water loss. The report shall demonstrate how the calculated transportation water loss was determined. If the report or other information indicates that the volume of water pumped from the Oaks' well into the Ambler Park Water System does not equal the volume calculated from the quarterly meter reading and the calculated transportation water system loss of the Oaks subdivision, then Cal-Am shall explain the reasons for the discrepancy and the corrective action Cal-Am proposes to take to achieve no net transfer. Cal-Am shall take such steps as EHB may require to bring the transfer back into balance.**

Ambler Oaks well began producing water on April 1, 2016. See *Attachment 2: Production* for the monthly well production for the third quarter of 2021. The quantity of water used by the Oaks subdivision in the third quarter of the 2021 calendar year was 23,782 cubic feet and the Ambler Oaks well production during the same period was 0 cubic feet (see *Attachment 1: Summary*). The Ambler Park Water System has supplied the Oaks Subdivision with water beginning March 2008. As of September 30, 2021 the total Ambler Oaks Subdivision consumption was 40,710 cubic feet more than what was produced by the Ambler Oaks Well. Ambler Oaks Well was pulled by Weber Water Resources on May 05, 2021 and has been off-line since then. Once the Ambler Oaks Well rehab has been completed, Cal-Am will operate the well in order to bring the production to consumption into balance.

6. **Cal-Am shall begin quarterly pumping of the Oaks' well into the Ambler system in the first quarter after Cal-Am obtains all necessary permits to include the Oaks' well within its system. Additionally, to account for the water service provided by Ambler to the Oaks lots predating this quarterly pumping, Cal-Am shall as part of its first draw from the Oaks' well transfer into the Ambler system an amount of water equivalent to the total amount of water previously served by Ambler to the Oaks lots.**

The Division approved Permit Amendment No. 3 to Original Permit No. 84-013 on June 30, 2015; adding the Ambler Oaks well as a new source of supply to the existing treatment plant and service area in the Ambler Park Water System. The Ambler Park Water System No. 2710006 is owned and operated by Cal-Am. As of September 30, 2021, the Oaks subdivision consumption was 40,710 cubic feet more than the Ambler Oaks Well production. It is anticipated that the Ambler Oaks Well rehab work to be completed by Weber Water Resources in the fourth quarter of 2021. Once the Ambler Oaks Well rehab has been completed, Cal-Am will operate the well in order to bring the production to consumption into balance.

Water was used from the Cal-Am Ambler System (water buffalo load counts) in the Ambler Oaks Well rehab project performed by Weber Water Resources. This is documentation of the water used, it does not affect the balance calculation between production from Ambler Oaks Well and consumption from the Ambler Oaks customers. This water is used in the Non-Revenue Water calculation for the Ambler System.

Attachments 3: Meter Numbers, Attachment 4: Meter Test Results, and *Attachment 5: Consumption,* are provided under separate cover as they contain confidential customer account information. Cal-Am requests the Monterey County, Environmental Health Bureau maintain this information as confidential.

If you have any questions, please feel free to contact Chris Cook, Director of Operations, at 831-646-3241.

Sincerely,

Chris Cook, P.E.
Director of Operations

Attachments: 5

cc: MCWRA
R. Van Horn (FowlerNE@co.monterey.ca.us)
M. Magretto
C. James
P. Glass
L. Silva

Attachment 1: Summary

California American Water
Monterey District

Ambler Oaks Consumption and Ambler Oaks Well Production				
Month	Ambler Oaks Well Production (CF)	Transportation Water Loss from Ambler Oaks Well (CF)	Water Used By The Oaks Subdivision (CF)	Balance to pay back the Ambler Park Water System from Ambler Oaks Well (CF)
2020 Q#4 Balance				**1,662**
Jan-21	0	0	7,406	9,068
Feb-21	7,871	0	3,596	4,793
Mar-21	9,106	0	4,786	472
Q#1 Total	**16,977**	**0**	**15,788**	**472**
Apr-21	6,919	0	6,831	384
May-21	594	0	7,566	7,357
Jun-21	0	0	9,572	16,929
Q#2 Total	**7,513**	**0**	**23,969**	**16,929**
Jul-21	0	0	8,128	25,056
Aug-21	0	0	9,104	34,160
Sep-21	0	0	6,550	40,710
Q#3 Total	**0**	**0**	**23,782**	**40,710**
Oct-21				
Nov-21				
Dec-21				
Q#4 Total				

Attachment 2: Production

California American Water
Monterey District
Ambler Oaks Well Production
July 2021

Date	Ambler Oaks (CF)
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	0
CF	0
1000 G	0
AF	0.00

California American Water
Monterey District
Ambler Oaks Well Production
August 2021

Date	Ambler Oaks (CF)
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	0
CF	0
1000 G	0
AF	0.00

California American Water
Monterey District
Ambler Oaks Well Production
September 2021

Date	Ambler Oaks (CF)
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
CF	0
1000 G	0
AF	0.00