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October 25, 2019

John Ramirez, Bureau Chief
(ramirezjl@co.monterey.ca.us)
Monterey County Department
Environmental Health Bureau (EHB)
1270 Natividad Road
Salinas, CA 93906

Dear Mr. Ramirez:

Please consider this letter and the attachments as our quarterly water audit report 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. Cal-Am 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 Cal-Am 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 (Cal-Am).

- 2. Cal-Am 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. Cal Am 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, 2019, the Oaks Subdivision consumption was 11,996 cubic feet more than what was produced by the Ambler Oaks well. The Ambler Oaks well was run during the third quarter of 2019 and needs to provide an additional 11,996 during the third quarter 2019.

- 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.**

In excess of the MOU requirements to test or replace the meters according to manufacturer specification within sixty days of the beginning of each calendar year, Cal-Am replaced the existing three residential water meters and one dedicated irrigation meter on February 7, 2018. The new customer meters are Neptune T10 meters and were tested by the manufacturer (see *Attachment 3: Meter Numbers* and *Attachment 4: Meter Test Results*). Cal-Am also tested the removed meters (*Attachment 6A-6D: Cal Am Meter Test Results*), which were found to be in good working order. Manufacturer specifications do not require meter testing of 1” and 2” meters but recommend testing or replacement after 20 years and 15 years respectively.

- 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. Currently, there are three residential water meters and one dedicated irrigation meter. There are no meters set for the remaining lots. 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 was turned on April 1, 2016. See *Attachment 2: Production* for the monthly well production. The quantity of water used by the Oaks subdivision in the third quarter of the 2019 calendar year was 27,605 cubic feet and the Ambler Oaks well production during the same period was 20,303 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, 2019, the annual Ambler Oaks Subdivision consumption was 11,996 cubic feet more than what was produced by the Ambler Oaks well. The Ambler Oaks well was run during the third quarter of 2019 and needs to provide an additional 11,996 during the fourth quarter 2019.

- 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, 2019, the Oaks subdivision consumption was 11,986 cubic feet more than what was produced by the Ambler Oaks well. The Ambler Oaks well was run during the third quarter of 2019 and needs to provide an additional 11,996 during the fourth quarter 2019.

Attachments 3: Meter Numbers, Attachment 4: Meter Test Results, Attachment 5: Consumption, and Attachment 6A-6D: Cal Am Meter Test Results 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 Nina Miller, Operations Manager, at 831-646-3237.

Sincerely,



Chris Cook, P.E.
Director of Operations

Attachments: 5

cc: MCWRA
N. Fowler (FowlerNE@co.monterey.ca.us)
N. Miller
R. James
P. Glass
M. Magretto
J. DiMaggio

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)	
2018 Q#4 Balance				-3,400	
Jan-19	0	0	3,569	169	
Feb-19	0	0	2,513	2,682	
Mar-19	0	0	2,166	4,848	
Q#1 Total	0	0	8,248	4,848	
Apr-19	5,045	0	4,893	4,695	
May-19	0	0	6,885	11,580	
Jun-19	15,348	0	8,462	4,694	
Q#2 Total	20,393	0	20,239	4,694	
Jul-19	20,303	0	8,689	-6,920	
Aug-19	0	0	9,866	2,946	
Sep-19	0	0	9,050	11,996	
Q#3 Total	20,303	0	27,605	11,996	
Oct-19					
Nov-19					
Dec-19					
Q#4 Total					

Attachment 2: Production

California American Water
 Monterey District
 Ambler Oaks Well Production
 July 2019

Date	Ambler Oaks (CF)
1	3,199
2	1,766
3	2,043
4	3,354
5	2,890
6	0
7	0
8	6,451
9	511
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	90
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	20,303
1000 G	152
AF	0.47

California American Water
 Monterey District
 Ambler Oaks Well Production
 August 2019

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 2019

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