

**BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI**

In the Matter of Missouri-American Water Company's)
Request for Authority to Implement a General Rate) **File No. WR-2015-0301**
Increase for Water and Sewer Service Provided in)
Missouri Service Areas,)

90 DAY REPORT – PLATTE COUNTY

COMES NOW, Missouri-American Water Company (“MAWC”), pursuant to the *Report and Order*, issued herein on May 26, 2016 and effective on June 25, 2016, respectfully states as follows to the Missouri Public Service Commission (“Commission”):

MAWC has been continuing to take steps in order to decrease the potential for calcium scaling in its Parkville Service Area. As part of these efforts, the plant has introduced a new chemical treatment step which introduces carbon dioxide to the water after it is treated. Carbon dioxide results in the creation of carbonic acid, which in turn reduces the pH of the water. The new CO₂ unit was placed in service on May 24, 2016. A photograph of the new unit is attached as Exhibit A.

The goal of installing a new CO₂ system is to lower the Calcium Carbonate Precipitation Potential (CCPP) down to a range of 4-10 mg/l from an original amount of 42.6 mg/l. Reducing that number lowers the potential for Calcium Carbonate Precipitation in the distribution system.

It has been a little over four months since the new process has been in service. MAWC believes that it could take up to six months to adequately study the effect this treatment will have on calcium.

The pH levels of the plant are as follows:

PARKVILLE WATER TREATMENT PLANT		
Week	Effluent pH	Clarifier pH
6/6/2016 - 6/12/2016	9.1	9.6
6/13/2016 - 6/19/2016	9.1	9.6
6/20/2016 - 7/3/2016	9.2	9.7
7/4/2016 - 7/10/2016	9.1	9.5
7/11/2016 - 7/17/2016	9.2	9.6
7/18/2016 - 7/24/2016	9.2	9.8
7/25/16 - 8/1/2016	9.4	9.8
8/2/2016 - 8/7/2016	9.1	9.7
8/8/2016 - 8/14/2016	9.2	9.8
8/15/2016 - 8/21/2016	9.0	9.6
8/22/2016 - 8/28/2016	9.0	9.8
8/29/2016 - 9/4/2016	8.9	9.8
9/5/2016 - 9/11/2016	8.9	9.6
9/12/2016 - 9/18/2016	8.9	9.8

MAWC started a unidirectional flush program in the Parkville District on September 12, 2016. It is now 50% complete and should be fully completed by the end of October, 2016.

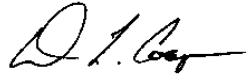
MAWC has also been communicating developments in its Parkville District via social media and direct mailing postcards to customer's homes.

MAWC will continue its efforts to address calcium scaling in its Parkville Service area and keep the Missouri PSC Staff advised of any significant developments.

Respectfully submitted,

BRYDON, SWEARENGEN & ENGLAND P.C.

By:



Dean L. Cooper #36592
312 E. Capitol Avenue
P. O. Box 456
Jefferson City, MO 65102
(573) 635-7166
(573) 635-3847 facsimile
dcooper@brydonlaw.com
dcarter@brydonlaw.com

**ATTORNEYS FOR MISSOURI-AMERICAN
WATER COMPANY**

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the foregoing document has been sent by electronic mail on this 27TH day of September, 2016, to: Commission Staff (staffcounsel@psc.mo.gov); the Office of the Public Counsel (opcservice@ded.mo.gov); and other parties to Case No. WR-2015-0301.




Exhibit A

