



2911 Dorr Road
Brighton, MI 48116
810.227.5225
810.227.3420 fax
genoa.org

Compliance Notification

To: Residents of the Oak Pointe Water System
From: Greg Tatara, Utility Director, Genoa Township
Date: September 25, 2018
Subject: Consumer Notice of Copper Monitoring Compliance

Dear Resident;

In March 2018, we notified you that copper exceeded the action level of 1.3 parts per million (ppm) in 2 of the 10 samples collected from homes in the distribution system. Lead was not found above any action levels in any of the samples. We also notified you that in order to reduce the risk of copper being leached from home plumbing, in the coming weeks and months we will be:

1) *Performing source sampling to assure that copper is not coming from natural deposits in the aquifer and is coming from household plumbing.*

We completed source water sampling and determined that naturally occurring copper was present at a concentration of around 70 ppb; thus determining that higher levels of copper found in the home samples were the result of leaching from household plumbing.

2) *Utilize sample results to make adjustments to our corrosion control program and likely adjust the corrosion control chemicals added to the water.*

Beginning in April 2018, we modified our corrosion control chemical from a 50 – 50 ortho- and poly- phosphate blend to a 90 – 10 ortho- and poly- phosphate blend. We performed a 30, 60, and 90 day corrosion study and found this new corrosion control blend to be very effective in protecting metals from corrosion. This protection occurred at a very low level of 2 ppm for total phosphate addition to the water.

SUPERVISOR

Bill Rogers

CLERK

Paulette A. Skolarus

TREASURER

Robin L. Hunt

TRUSTEES

Jean W. Ledford

H. James Mortensen

Terry Croft

Diana Lowe

MANAGER

Michael C. Archinal

3) Perform household sampling on 20 homes in the Oak Pointe System to evaluate for compliance and notify you, the residents, of the results.

In both June and September 2018, we collected 20 samples each from homes in the Oak Pointe Community, that based on age, had the highest potential to have lead and copper leach from household plumbing. In all samples, copper and lead did not exceed any action levels. In the most recent sample, the highest lead concentration detected was 0.003ppm, with an action level of 0.015 ppm and copper was 0.63 ppm, which is less than 50% of the action level exceedance value of 1.3 ppm. Therefore, all samples are well within acceptable standards.

In addition, recently you may have heard about the concern with Per and Poly fluorinated compounds (PFAS) in drinking water. We are pleased to report that samples collected for the Oak Pointe system were non-detect for any of the PFAS chemicals, which is excellent news for the quality of Oak Pointe drinking water.

We are pleased to report these improved values and improved water quality fully complying with all local and state standards, and we do not anticipate any future problems. If you have any questions or concerns, please contact our office at 810-227-5225.