Each year, we publish a Consumers Confidence Report. This report can be overwhelming, but the State requires the format. We created this supplemental report to help you better understand the report information. This report highlights water treatment, test results, and infrastructure improvement projects for 2021.

View the official 2021 Water Quality Report at www.grandrapidsmi.gov/waterqualityreport. Or call our Customer Service at 311 or 616.456.3000 to request a copy by mail.

**GRAND RAPIDS DRINKING WATER IS SAFE**

We meet and exceed all federal and state drinking water requirements. Our team is passionate about providing you with safe, quality drinking water. Our operations never stop. We work 24 hours per day, 365 days per year. We sample our water for lead, PFAS, and many other contaminants many times per day, every day of the year.

*Lead and Copper Sampling*

Every year, we sample our water for lead and copper to understand how much is in our system. The EPA and State of Michigan set the standards for allowable levels of these metals. Lead cannot be above 15 parts per billion (ppb). Copper cannot be above 1.3 parts per million (ppm).

Last year, we sampled 50 homes across the system and measured their lead and copper levels. We took the samples with the five highest levels and averaged them to come up with our 90th percentile rating. The result: lead is ten ppb and 0.0 ppm for copper.

*Per-and polyfluoroalkyl substances (PFAS)*

In 2020, the Michigan Department of Environment, Great Lakes, and Energy (EGLE) developed standards for allowable levels of seven PFAS compounds. In 2021, we tested our treated drinking water for compounds. Our test results showed that PFOS (Perfluorooctane sulfonic acid), often used in firefighting foam, was two parts per trillion (ppt). EGLE allows up to 16 ppt for PFOS.

Other regulated PFAS compounds were non-detect during the 2021 sampling.

*Other Contaminates*

We check many regulated and unregulated substances more often than required. Apart from what we list in the Water Quality Report, we tested for 82 different contaminants and chemicals in 2021, and we found no detectable levels of these in our drinking water.

For more information about our testing results, visit grandrapidsmi.gov/water.

**LAKE MICHIGAN – WHERE OUR DRINKING WATER COMES FROM**

Our drinking water comes from Lake Michigan, and it is our only source of drinking water. We pull untreated water into our treatment through one of two intakes pipes. The intake location is one mile off the lakeshore. We then treat the water at the Lake Michigan Filtration Plant. Massive and powerful pumps bring safe, treated water into the City and your faucet. This water is under an extraordinary amount of pressure to keep it safe. Protecting Lake Michigan is important because it is our source of drinking water. Want to help protect our water?

Dispose of harmful materials at designated locations. Motor oil, pesticides, paint cans, and household cleaners are hazardous waste, and these materials can contaminate soil, groundwater, or surface water when disposed of improperly. Bring these materials to designated disposal locations. Visit reimaginetrash.org or call the Kent County Public Works Department at 616.632.7941.
RETIRING OF THE MONROE RESERVOIR

We constructed the Monroe Filtration Plant in 1912. This facility pulled and treated water from the Grand River until 1940, when we built the lake plant. We continued to use the site as a storage tank for millions of gallons of water. In June 2021, we retired the site and shifted water storage to the Livingston Pump Station.

EXPANDED LIVINGSTON PUMP STATION

We built the Livingston Reservoir in 1939 to store 16 million gallons of water. We later converted it into a pump station that supplied water to the northeast side of Grand Rapids. As our City’s population grew, we made improvements to the pump station. In 2020, we added three pumps, replaced two existing pumps, and upgraded electrical equipment. The pump station’s water capacity is 25 million gallons.

SOLAR PANELS

In 2020, City Commission approved funds to install solar panels at the water filtration plant. This project reduces our carbon footprint and increases our climate resiliency. The solar panels will generate about 10 percent of the plant’s power needs per year, and we estimate to save an estimated $1.2 million over the course of 24-years. It will also increase our renewable energy from 37% to 41%. ES Services, a Consumers Energy subsidiary, owns and maintains the solar panels, and we expect to have them operational later this year.

LEAD SERVICE LINE REPLACEMENTS

We have 23,548 known lead or presumed lead service lines in the City. We are committed to protecting and preserving our water resources through the LSLR Program. We plan to replace all lead service lines over the next 20 years.

In 2021, we replaced approximately 640 lead services. In 2022, we plan to replace 1,500 lead services. This is partly thanks to a $5.1 million grant from the Environmental Protection Agency.

For more information about the LSLR program, visit www.grandrapidsmi.gov/LSL.

TAKE A LAKE MICHIGAN FILTRATION PLANT TOUR!

We welcome tours at our treatment plant located on the lakeshore between Holland and Grand Haven. Our walking tours help you understand how we keep our water supply safe. To schedule a tour, please call 311 or 616.456.3000.