

UNIT WELL #9

Drilled in 1951, Well 9 has a pumping capacity of 1,640 gallons per minute. It operates year-round and provides water to neighborhoods between Monona Drive and Stoughton Road south of Cottage Grove Road. The well also serves Madison locations between Walter Street and Cottage Grove Road south of the Isthmus Bike Path/Wisconsin Southern railroad tracks, and east of Stoughton Road generally from Helgesen Drive south to the Beltline. In 2025, Well 9 pumped 487 million gallons of water compared to its 5-year average of 352 million gallons annually.

Unless otherwise noted, data contained in this report, which is updated annually, are from 2025.

Bacteria

In 2025, four samples were collected from Well 9 and tested for coliform bacteria, an indicator group of bacteria used in determining drinking water safety. Each sample was collected and tested prior to any disinfection. None of the samples had coliform bacteria present. The Water Utility chlorinates drinking water to protect against bacteria and viruses that can be present in groundwater and to provide protection as the water travels through the water mains and premise plumbing.

Hardness and Other Minerals

Like all groundwater, water from Unit Well 9 contains calcium and magnesium that contribute to its hardness (420 mg/L [ppm] or 25 grains per gallon). Other naturally occurring substances that are present in water from Well 9 can be found in the [Inorganics Table](#).

Sodium

The level of [sodium](#) in Well 9 water exceeds the EPA guideline which recommends drinking water not exceed 20 mg/L sodium; in 2025 sodium measured 22 mg/L. These guidelines are intended for higher risk populations including individuals with pre-existing heart conditions or those on “no salt” diets. See the WI Department of Health [website](#) for more information. Road salt likely contributes to elevated sodium levels at some Madison wells.

Chromium

Low levels of naturally occurring chromium, including hexavalent chromium, have been found at Well 9. The level is well below the drinking water standard of 100 µg/L for total chromium. More information can be found on the [chromium](#) page.

Iron, Lead, and Manganese

Water from Well 9 does not contain significant amounts of iron, lead, or manganese.

Radionuclides

In 2020, water from Well 9 was tested for radium-226, radium-228, and other gross measures of radiation in water. Combined radium (226+228) measured 2.0 picocuries per liter (pCi/L) – well below the maximum contaminant level (MCL) of 5 pCi/L.

Naturally occurring, radioactive elements are found in rock, soil, water, and air. They derive from the creation of our planet and enter our bodies when we drink water, breathe air, and eat foods that contain them. Everyone is exposed to some level of radiation in everyday life. For example, uranium and thorium are found in rock and soil. In time, they decay to other elements including radium, which later decays to radon gas. Radon is the largest contributor to our daily exposure of radiation from the natural world. More information is available from the Agency for Toxic Substances and Disease Registry ([ATSDR](https://www.atsdrhhs.gov/)).

See [ATSDR](https://www.atsdrhhs.gov/) for more information on radon.

Human-made Contaminants

Madison Water Utility annually tests all of its municipal wells for human-made contaminants that may be present in groundwater. Quarterly samples are collected at Well 9 due to the presence of [tetrachloroethylene](#) (PCE), which has been steadily decreasing in recent years. In 2025, the level of PCE ranged from 0.7 to 1.1 µg/L; the maximum contaminant level (MCL) is 5 µg/L. Four disinfection by-products (DBP) were also detected at Well 9. DBPs form when chlorine reacts with impurities in groundwater. Chlorine is added to disinfect water and guard against bacterial growth in water mains.

The [Volatile Organic Compounds](#) table shows the list of substances that were tested, the results, and how the detected levels compare with the MCL established by the EPA.

Per- and Polyfluoroalkyl Substances (PFAS)

PFBA was the only [PFAS](#) found at Well 9. The level of this PFAS was **49 ng/L or parts per trillion (ppt)** in 2025. In April 2024, the US Environmental Protection Agency (EPA) published final MCLs for six PFAS. Our website, madisonwater.org, contains detailed information about PFAS in drinking water and previous PFAS test results for this well.

Additional Information

Information on routine [water quality monitoring](#) activities, including current test results and links to additional resources, is available at madisonwater.org. In addition, you can sign-up to receive periodic updates on Madison drinking water quality or the water main flushing program through the [City of Madison](#) website.

If you have questions about the information in this report or on our website, our staff would be happy to answer them. Please call the Water Quality line at 266-4654 weekdays from 7:45 a.m. to 4:00 p.m.

Click [here](#) to view water quality reports for other Madison municipal wells.