

# Attachment A

## **PFAS Update:** US EPA Proposed PFAS Drinking Water Standards & Well 15 PFAS Treatment Project

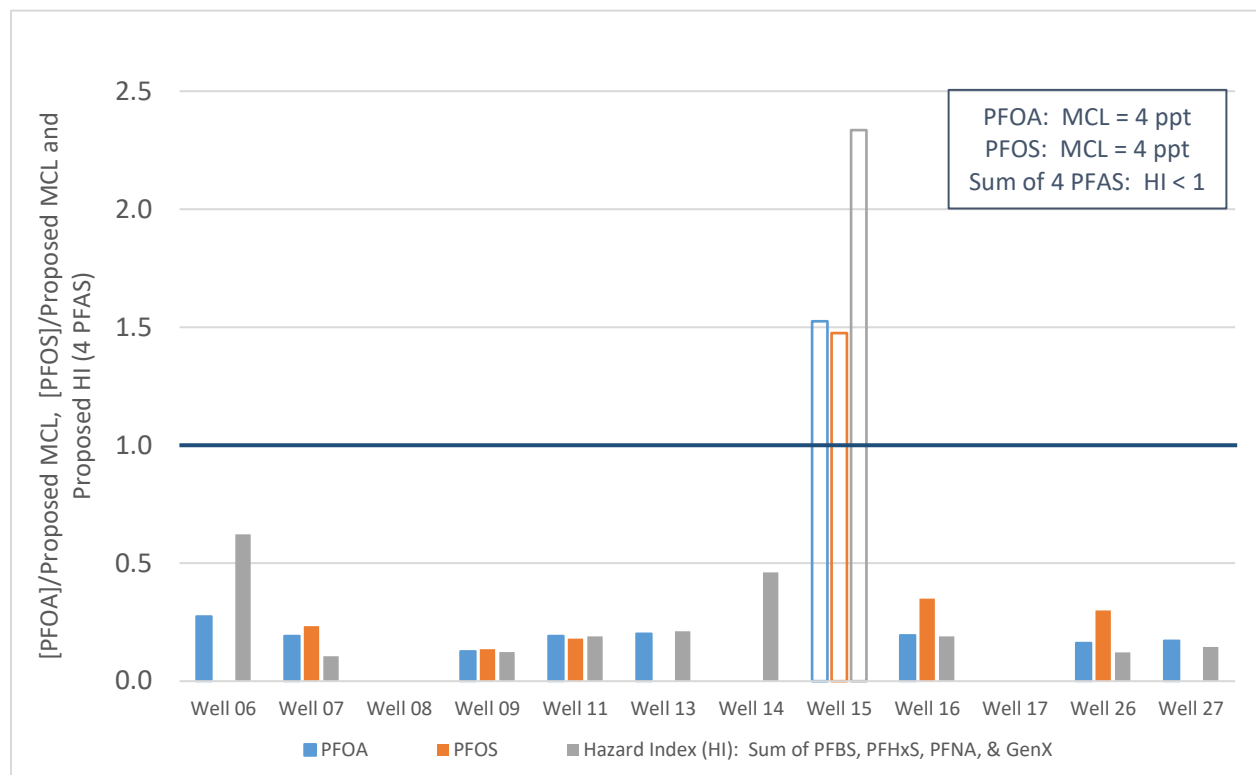
In March, US EPA proposed new *national* drinking water standards for six PFAS – PFOA, PFOS, PFHxS, PFNA, HFPO-DA (GenX), and PFBS – in drinking water. Last year, Wisconsin adopted *state* standards for two of those six PFAS chemicals.

The proposed national standards for PFOA and PFOS are 4 parts per trillion (ppt). The proposed health-based levels for the other four PFAS are 9 ppt for PFHxS, 10 ppt for PFNA and GenX, and 2,000 ppt for PFBS; these four PFAS would be regulated under a combined standard using a hazard index approach. US EPA intends to finalize its national drinking water standards by the end of 2023. Until national limits are in place, Wisconsin’s adopted regulations for PFOA and PFOS of 70 ppt will continue to apply.

Except for Well 15, which is currently off-line due to PFAS contamination, no Madison well exceeds any of the adopted state or proposed national standards for any PFAS in drinking water.

- PFOA and/or PFOS have been detected at least once in sixteen wells
- Estimated levels of PFOA and PFOS range from below detection (<0.4 ppt) to 1.4 ppt
- PFNA and HFPO-DA (GenX) have never been found in any Madison well
- When present, PFHxS and PFBS generally range between 1 and 5 ppt
- Other types of PFAS chemicals have been found during routine testing, however, most types are not regulated by any state or, if they are, are regulated at higher levels than PFOA and PFOS

The figure below shows Madison’s 2022 PFAS monitoring results compared to the **proposed** standards.



As the above figure illustrates, levels of PFOA, PFOS, and PFHxS at Well 15 exceed EPA’s proposed PFAS standards. A PFAS removal system, including granular activated carbon (GAC) and ion exchange resin, is

being designed for the well. To date, the 60% design documents have been prepared by an engineering consultant and reviewed by utility staff. The consultant will provide a 90% design package to utility staff by mid-May with design documents finalized and submitted to DNR by the end of June. Project bidding is planned for this winter with construction to begin in 2024.

Finally, the project timeline allows the utility to formally apply for project funding under the Bipartisan Infrastructure Law, funded through the Safe Drinking Water Loan program, later this summer.

## ***Project Timeline:***

