



Individual Deep Wells Update

Nearby communities like the City of Peshtigo use deep wells to access a deep aquifer for their community wells. Individual wells located in the deep aquifer (450 ft.+ deep) below the Town of Peshtigo are a safe and viable solution.

As WDNR publicly stated a deeper well “is considered in situations where it is not feasible to connect to an alternate safe source such as municipal water... If data exists that only the shallower aquifer is contaminated and wells can be constructed in a manner where water will not be impacted by contamination... the new wells are a generally accepted solution.”*

ENSURING SAFE WATER

Tyco performed additional studies to verify rock & aquifer water properties. The data is clear that the deep aquifer is a good drinking water source. Safe water quality will be ensured through:

→ Safe Construction

- Installing wells to deeper aquifer (450-500+ ft.)
- Using steel casing cemented into solid bedrock to prevent shallow groundwater from moving into the deeper aquifer

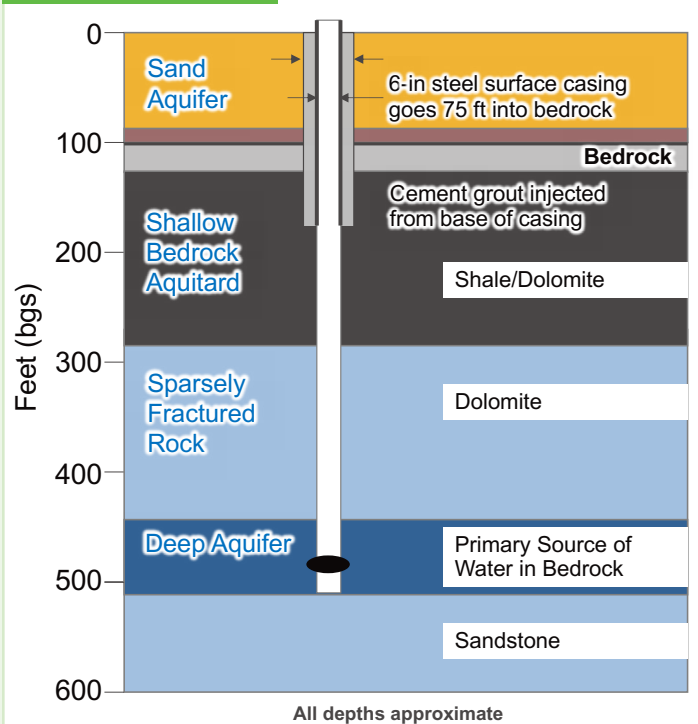
→ Water Treatment

- Tested deep aquifer water for levels of >40 naturally occurring elements
- Three naturally occurring elements - radium, strontium and thallium - were found at elevated levels, which can cause adverse health effects. <https://www.dhs.wisconsin.gov/water/drinking.htm>
- An under-sink reverse osmosis (RO) system will treat the water to meet relevant standards, while also improving taste.
- Radium was found an average of 4x the standard. The RO system is NSF/ANSI 58 certified to treat water for radium at these levels & will be verified after install.
- This water is considerably harder than shallow groundwater. A water softener will be provided to soften water and further remove radium.

TIMELINE

- Plan to install deep wells this year and remaining next year.

WELL DESIGN



QUALITY ASSURANCE

- Well water sampled immediately following installation of new well, before connection to the house
- Testing conducted again after connection to the house and install of under-sink RO system.
- Two additional sampling events for PFAS during the first year of operation.
- If PFAS is detected above enforceable drinking water levels, Tyco will work in cooperation with property owner(s) & DNR to determine appropriate next steps to ensure safe drinking water.

* As stated in article March 9, 2022 in the *EagleHerald*