



MEMORANDUM

DATE: November 13, 2018

TO: Dan Duchniak

FROM: Kelly Zylstra

RE: Saylesville Road Well No. 8 Emergency Well Pumping Equipment Repairs/Replacement

The submersible motor in Well No. 8 at Saylesville Road experienced electrical issues on Friday November 9, 2018. The well was not used over the weekend to allow us time to have additional electrical testing performed. On Monday we called in our consultant to run additional testing on the motor; based on the results of those tests the failure of the motor is imminent.

Waukesha Well #8 is blended with Shallow Wells #11 and #12, supplying radium compliant water in the capacity of over 2.8 mgd to the City.

The last failure of Well No. 8 occurred on February 14, 2013.

We need to pull the existing pump and motor, immediately install the spare pump and spare 350Hp motor that is on-site, then reinstall, and start up the well pumping equipment. The work of pulling and reinstalling the pump/motor is estimated to take two and half weeks once a contractor is on site. The cost of this work needs to be covered by the 2018 budget and is estimated to be approximately \$55,000.

Given the water demands this time of year, it may be possible to remain compliant with our other wells, however, should we begin to experience higher demands, we may need to operate non-compliant wells.

The pump and motor that are currently in the well, once removed, will be inspected and it will then be determined whether rebuilding that motor or replacing it with a new one to become the spare motor is in the best interest of the utility. The spare motor on-site is a requirement of our court order. The costs of the equipment inspection and spare motor will be incurred in 2019, and are estimated to be up to \$70,000. The 2019 budget has been updated to reflect this change.

Recommended Motion: The Waukesha Water Utility Commission hereby declares that an emergency situation exists, as described in Section 62.15(1)(b) of the Wisconsin Statutes, and directs the General Manager to negotiate a contract with Municipal Well & Pump to remove the existing Saylesville Well No. 8 pumping equipment, install the spare pumping equipment and replace the spare equipment to remain compliant with the DOJ consent order for a price not to exceed \$125,000.

Resolution #11-15-18 of the WAUKESHA WATER UTILITY

Saylesville Road Well #8 Repairs

November 15, 2018

WHEREAS, electrical difficulties have been experienced with Saylesville Road Well #8 pumping equipment; and

WHEREAS, the customer's health and safety could be in jeopardy; and

WHEREAS, the situation calls for replacement of the submersible pumping equipment as soon as possible to ensure the ability of the Utility to provide required radium compliant water; and

THEREFORE BE IT RESOLVED, that the Waukesha Water Utility Commission hereby declares that an emergency situation exists, as described in Section 62.15 (1)(b) of the Wisconsin Statutes, and directs the General Manager to negotiate a contract with Municipal Well & Pump to remove the existing Saylesville Well No. 8 pumping equipment, install the spare pumping equipment and replace the spare equipment to remain compliant with the DOJ consent order for a price not to exceed \$125,000.

Adopted on _____.

WAUKESHA WATER UTILITY COMMISSION

Joseph J. Piatt, President

G. J. Zinda, Secretary