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January 8, 2024

Mr. Lenoard Ludi, Director of Public Works and Utilities
Village of Kronenwetter
1582 Kronenwetter Drive
Kronenwetter, WI 54455

Subject: Well Number 2 April Pump Work

Dear Leonard:

The pump in Well #2 must be upgraded for operation of the green sand filter for manganese removal. The contractor expects the work to take 1-2 weeks, including safe water samples following the work. During this time Well #2 will not be available to provide water to the Village of Kronenwetter distribution system.

The Village of Kronenwetter uses an average day of 365,000 gallons per day average, per 2022 Wisconsin PSC report. Well #1 has a capacity of 700 gpm, requiring Well #1 to run for 8.7 hours per day, to meet the demand of the Village of Kronenwetter. Typically, a well is recommended to run for less than 12 hours per day, before its considered over used. Well #1 has sufficient capacity to meet the Village of Kronenwetter average day flow.

By completing the work in April, it is anticipated that the required daily water will be less than the yearly average, as April is typically a low water consumption month, as there typically isn't much water used for irrigation at that time before the growing season.

The Village of Kronenwetter should use the connection to the Village of Rothschild, via the metering building as the emergency water source. It is not anticipated that this water source will be needed during the Well #2 work.

Village staff should notify the fire department of the work occurring at Well #2 during this time, and ask that any training activities that would require large amounts of water to be rescheduled to ensure adequate water supply.

Sincerely,

A handwritten signature in black ink, appearing to read 'Matthew Patterson', written in a cursive style.

Matthew Patterson PE
Project Engineer