

## Water Quality Parameter (WQP) Treatment Technique Violation

### IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

#### Red Bud Fails To Meet Water Quality Parameter (WQP) Levels

Our water system recently violated a drinking water standard. Although this incident was not an emergency, as our customers, you have a right to know what happened and what we did to correct this situation.

As a result of past exceedance of the WQP levels in the water supply above the limit, or “action level”, our system has installed optimal corrosion control treatment. This treatment adjusts the acidity, hardness, and/or phosphate levels to prevent copper in the pipes from dissolving into the water. WQP samples we took during the January through June monitoring period show that corrosion control treatment is not maintaining phosphate and pH at the levels required.

#### What should I do?

- **You do not need to use an alternative (e.g., bottled) water supply.** However, if you have specific health concerns, consult your doctor.

#### What does this mean?

This is not an immediate risk. If it had been, you would have been notified immediately. *However, infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure.*

#### AND/OR

This is not an immediate risk. If it had been, you would have been notified immediately. *However, copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson’s Disease should consult their personal physician.*

#### What happened? What was done?

The water system exceeded 9 allowable exceedances per month for pH and/or phosphate in February and June 2022. The plant operators have been instructed to monitor the sodium hydroxide and the orthophosphate feed systems to ensure the proper feed rates and amounts are being injected for both treatment chemicals. Once the operators are sure the sodium hydroxide and the orthophosphate feed rates and amounts are properly being injected, the operator collects and analyzes the tap for pH and phosphate to verify the pH is between 7.25 and 7.8 and the phosphorus is between 1.19 mg/L and 1.45 mg/L.

For more information, please contact Timothy Albers at (618) 526 - 9611 or 9360 Holy Cross Lane Breese, IL 62230.

*Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.*

This notice is being sent to you by Red Bud. Water System ID# IL1570450 Date distributed 08/15/2022