



Pekin

Typical Water Quality Information

PWSID Number: IL1795040

Area Served: Pekin

Where Does My Water Come From?

Illinois American Water's Pekin District operates seven wells situated at various locations throughout the service territory. Two wells draw water from the San Koty aquifer while the other six wells draw water from the Henry formation.

Average amount of water supplied to customers on a daily basis

7 million gallons per day

Parameter	Average or Range	Comments
pH	7.0-7.4	pH is a measure of the acid/base properties of water
Total Hardness (as CaCO ₃)	470 mg/L	Naturally occurring calcium/magnesium content in water
Total Hardness (as CaCO ₃)	28 grains per gallon	Naturally occurring calcium/magnesium content in water
Fluoride	0.6 – 0.8 mg/L	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
Sodium	29.3 – 101.6 mg/L	Erosion of naturally occurring deposits; used in water softener regeneration. There is no state or federal MCL for sodium.
Type of disinfection	N/A	Free Chlorine

Parameter	Average or Range	Comments
Disinfectant residual level leaving the treatment plant (average)	0.49-0.65 mg/L	Water additive to control microbes
Disinfectant residual level in the distribution system	0.60 mg/L	Max Residual Disinfectant Level Running Annual Avg. = 4.0 mg/L
Lead [90 th percentile result]	6 ug/L	Action Level = 15 ug/L
Copper [90 th percentile result]	0.275 mg/L	Action Level = 1.3 mg/L
Nitrate	2.36 - 6.15 mg/L	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits MCL = 10 mg/L
Hexavalent Chromium	0.10-1.01	An MCL for this substance has not been established by either state or federal regulations, nor has mandatory health effects language. The purpose for monitoring this substance is to assist USEPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. There are currently no regulations for Hexavalent Chromium (Chromium 6).

Definitions

- mg/L – milligrams per liter; one milligram per liter is equal to one part per million, which is approximately the same as 1 second in 11.5 days
- ug/L – micrograms per liter; one microgram per liter is equal to one part per billion, which is approximately the same as 1 second in 31.7 years
- N/A – not applicable
- ND – not detected
- MCL – Maximum Contaminant Level – the highest level of a contaminant allowed in drinking water under State and Federal regulations

For a complete report of your water quality, please refer to the Water Quality Report located on the American Water web site

For more information about water quality in your area, please contact Pamela Ingersoll-Goede at 1-309-566-4161

Other inquiries should be directed to our Customer Service Center at 800-422-2782