

# **Lexington - Central Division** Typical Water Quality Information

PWSID Number: KY0340250

Area Served: Kentucky American Water – Central Division serves customers in Fayette, Clark, Scott, Jessamine, Harrison, Bourbon, and Woodford counties

## Where Does My Water Come From?

Kentucky American Water customers in the Central Division service area receive water from our three water treatment plants: Kentucky River Station, Richmond Road Station, and Kentucky River Station II. The raw water sources for these plants are respectively: pool 9 of the Kentucky River as it runs south of Lexington in Fayette County, Jacobson Reservoir in Fayette County, and pool 3 of the Kentucky River in Owen County. All raw water sources are surface water supplies.

#### Average amount of water supplied to customers on a daily basis:

Approximately 42 million gallons per day

Parameter	Average	Comments
Alkalinity	79 mg/L	Naturally occurring, the buffering
leaving the treatment plant		capacity of water
Calcium	39 mg/L	Naturally occurring
leaving the treatment plant		
Chloride	25.7 mg/L	SMCL = 250 mg/L
leaving the treatment plant		
Copper		
[90 <sup>th</sup> percentile result]	0.232 mg/L	Action Level = 1.3 mg/L
in the distribution system		
Type of disinfection	NA	Chloramines
Disinfectant residual	3.29 mg/L	Water additive to control microbes
leaving the treatment plant		
Disinfectant residual	2.62 mg/L	MRDL = 4.0 mg/L
in the distribution system		
Fluoride	0.77 mg/L	Naturally occurring and water additive to
leaving the treatment plant		prevent dental caries, MCL = 4.0 mg/L
Iron	Not Detected	SMCL = 0.3 mg/L
leaving the treatment plant		

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Parameter	Average	Comments
Lead [90 <sup>th</sup> percentile result] in the distribution system	Not Detected	Action Level = 15 ug/L
Magnesium leaving the treatment plant	13 mg/L	Naturally occurring
Manganese leaving the treatment plant	Not Detected	SMCL = 0.05 mg/L
Nitrate leaving the treatment plant	0.35 mg/L	MCL = 10 mg/L
pH leaving the treatment plant	7.25	A measurement of acidity, 7.0 being neutral
Sodium leaving the treatment plant	16.2 mg/L	Naturally occurring
Sulfate leaving the treatment plant	59.8 mg/L	SMCL = 250 mg/L
Total Dissolved Solids leaving the treatment plant	147 mg/L	SMCL = 500 mg/L
Total Hardness (as CaCO3) leaving the treatment plant	150 mg/L or 8.8 grains per gallon	Naturally occurring

## Definitions

**mg/L** Milligrams per liter; one milligram per liter is equal to one part per million (ppm)

- ug/L Micrograms per liter; one microgram per liter is equal to one part per billion (ppb)
- NA Not Applicable
- MCL Maximum Contaminant Level the highest level of a contaminant allowed in drinking water under State and Federal regulations
- MRDL Maximum Residual Disinfectant Level –the highest level of disinfectant allowed in drinking water, based on the running annual average of monthly averages of samples taken in the distribution system, computed quarterly
- **SMCL** Secondary Maximum Contaminant Level, non-mandatory water quality standard for parameters with no adverse health impacts, levels above the SMCL may cause aesthetic, cosmetic, or technical effects

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

http://www.amwater.com/ccr/lexington.pdf

For more information about your water quality, please contact our Water Quality Specialist at 859-268-6331

Other inquiries should be directed to our Customer Service Center at 1-800-678-6301

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