2012 WATER QUALITY REPORT
FOR
West Point Municipal Water System
PWSID# 5691012

This report contains important information regarding the water quality in our water system. The water source for West Point is Rathbun Regional Water Association's Ft. Madison System. RRWA (Ft Madison System) obtained its water from the City of Ft. Madison and the City of Keokuk. The City of Ft. Madison obtains its water from a Pleistocene aquifer, an underground source and the Mississippi River, a surface water source. The City of Keokuk obtains its water from the Mississippi River, a surface water source.
Our water quality testing shows the following results:

CONTAMINANT	MCL (MCLG)	Compliance Type	Value & (Range)	Date	Violation	Source
West Point						
Copper (ppm)	AL=1.3 (1.3)	90th	0.1 (ND – 0.20)	09/30/009	No	Corrosion of household plumbing systems; erosion of natural deposits
Lead (ppb)	AL=15 (0)	90th	8 (ND – 49) 1sample exceeded AL	09/30/2009	No	Corrosion of household plumbing systems; erosion of natural deposits
TTHM (ppb) [Total trihalomethanes]	80 (N/A)	RAA	10 (6 - 17)	06/30/2012	No	By-products of drinking water disinfection
Chorine (ppm)	MRDL= 4.0 MRDLG= 4.0	RAA	2.3 (ND – 3)	06/30/2012	No	Water additive used to control microbes
RRWA 5625062 – Ft. Madison Municipal Water Works						
03 – S/EP Wells 6, 7, 8, 9 and 10 (Lab Tap)						
Barium (ppm)	2 (2)	SGL	0.17	09/11/2012	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Fluoride (ppm)	4 (4)	SGL	1.1 (0.82 – 1.09)	12/31/2012	No	Water additive which promotes strong teeth; erosion of natural deposits; discharge from fertilizer and aluminum factories
Sodium (ppm)	N/A (N/A)	SGL	16	09/11/2012	No	Erosion of natural deposits; added to water during treatment process
Nitrate [as N] (ppm)	10 (10)	SGL	0.3	09/11/2012	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
RRWA 5640019 – Keokuk Municipal Water Works						
01 – SEP From Mississippi River						
Fluoride (ppm)	4 (4)	SGL	0.81 (0.71 – 1.19)	04/24/2012	No	Water additive which promotes strong teeth; erosion of natural deposits; discharge from fertilizer and aluminum factories
Sodium (ppm)	N/A (N/A)	SGL	13	04/24/2012	No	Erosion of natural deposits; added to water during treatment process
Nitrate [as N] (ppm)	10 (10)	SGL	3.4 (ND – 3.4)	12/31/2012	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Total Organic Carbon (ppm) TOC	N/A (N/A)	TT	48.94 – 74.73	12/31/2012	No	Naturally present in the environment
Turbidity (NTU)	N/A	TT	0.13 (100%)	12/31/2012	No	Soil runoff

Note: Contaminants with dates indicate results from the most recent testing done in accordance with regulations.

DEFINITIONS

- Maximum Contaminant Level (MCL) – The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
- Maximum Contaminant Level Goal (MCLG) -- The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
- ppb -- parts per billion.
- ppm -- parts per million.
- N/A – Not applicable
- N/D -- Not detected at detection limit