

# 2021 WATER QUALITY REPORT FOR MORNING SUN WATER DEPARTMENT

This report contains important information regarding the water quality in our water system. The source of our water is groundwater. Our water quality testing shows the following results:

CONTAMINANT	MCL - (MCLG)	Compliance		Date	Violation	Source
		Type	Value & (Range)			
Lead (ppb)	AL=15 (0)	90th	2.00 (ND - 3)	2020	No	Corrosion of household plumbing systems; erosion of natural deposits
Copper (ppm)	AL=1.3 (1.3)	90th	0.72 (0.04 - 0.73)	2020	No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
950 - DISTRIBUTION SYSTEM						
Chlorine (ppm)	MRDL=4.0 (MRDLG=4.0)	RAA	1.7 (1.2 - 2.7)	12/31/2021	No	Water additive used to control microbes
Nitrite [as N] (ppm)	1 (1)	SGL	0.15	2021	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
02 - S/EP FRM WELLS #1 & #2						
Gross Alpha, inc (pCi/L)	15 (0)	SGL	6.6	01/08/2019	No	Erosion of natural deposits
Combined Radium (pCi/L)	5 (0)	SGL	1.3	01/08/2019	No	Erosion of natural deposits
Sodium (ppm)	N/A (N/A)	SGL	340	01/13/2020	No	Erosion of natural deposits; Added to water during treatment process
Nitrate [as N] (ppm)	10 (10)	SGL	0.7	2021	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrite [as N] (ppm)	1 (1)	SGL	0.42	2021	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Toluene (ppm)	1 (1)	SGL	0.0007	07/13/2021	No	Discharge from petroleum factories

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.
- pCi/L – picocuries per liter
- N/A – Not applicable
- ND -- Not detected
- RAA – Running Annual Average
- Treatment Technique (TT) – A required process intended to reduce the level of a contaminant in drinking water.