

2009 WATER QUALITY REPORT FOR TERRIL

This report contains important information regarding the water quality in our water system. The source of our water is groundwater. Our groundwater is drawn from the Pleistocene aquifer(s).

Our water quality testing shows the following results:

CONTAMINANT	MCLG	MCL	DETECTED LEVEL	DATE SAMPLED	RANGE OF DETECTION	VIOLATION	SOURCE
TTHM (ppb) [Total trihalomethanes]	N/A	80	11	8/20/2007		NO	By-products of drinking water disinfection
Copper (ppm)	1.3	AL=1.3	.15	6/1/2007 – 09/30/2009	.05 - .15	NO	Corrosion of household plumbing systems; Erosion of natural deposits
Lead (ppb)	0	AL=15	5	6/1/2007 – 09/30/2009	0 - 5	NO	Corrosion of household plumbing systems; erosion of natural deposits
Haloacetic Acids (HAA5) (ppb)	N/A	60	7	8/20/2007		NO	By-products of drinking water disinfection
Chlorine(ppm)	N/A	N/A	1.7	4/1/2008 – 3/31/2009	1.3-1.7	NO	Water Additive used to control microbes
Combined radium (pCi/L)	0	5	1.1	4/28/2003		NO	Erosion of natural deposits
Fluoride (ppm)	4	4	.91	5/24/04		NO	Water additive which promotes strong teeth; Erosion of natural deposits
Sodium (ppm)	N/A	N/A	190	4/15/08		NO	Erosion of natural deposits; Added to water during treatment process
Arsenic (ppb)	N/A	10	3	9/23/08		NO	Erosion of natural deposits

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
- Treatment Technique (TT) – A required process intended to reduce the level of a contaminant in drinking water.
- Action Level (AL) – The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
- Maximum Residual Disinfectant Level Goal (MRDLG) - The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
- Maximum Residual Disinfectant Level (MRDL) - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

GENERAL INFORMATION

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water posed a health risk. More information about contaminants or potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

CONTAMINANT VIOLATIONS

NONE

OTHER VIOLATIONS

NONE

SOURCE WATER ASSESSMENT INFORMATION

The TERRIL water supply obtains its water from the Pleistocene aquifer. The Pleistocene aquifer was determined to be slightly susceptible to contamination because the characteristics of the aquifer and overlying materials limit the rate at which contaminants can move through the aquifer. The wells will not be susceptible to most contamination sources except through pathways to the aquifer such as abandoned or poorly maintained wells. A detailed evaluation of your source water was completed by the IDNR, and is available from the Terril City Clerk at 853-6227.

OTHER INFORMATION

Our water utility is making every effort to protect the water system from potential security threats. You, as customers, can also help. If you see any suspicious activity near the water tower, treatment plant, wells or fire hydrants, please contact us at 853-6227, 853-6319, or the police department at 712-336-2525. We appreciate your assistance in protecting the water system.

CONTACT INFORMATION

The Terril Water Plant Superintendent is Tim Matthews and the City Clerk is Dana Loring. For questions regarding this information, please call the Water Plant at 853-6319 or City Hall at 853-6227. All calls will be returned.

Decisions regarding the water system are made at the Terril City Council meetings held on the first Monday of each month at 7:00 p.m. at Terril City Hall and are open to the public.