

2009 Annual Drinking Water Quality Report

(Consumer Confidence Report)

CITY OF BOYD

Phone Number: 940-433-5166

SPECIAL NOTICE

Required language for ALL community public water supplies:

You may be more vulnerable than the general population to certain microbial contaminants, such as *Cryptosporidium*, in drinking water. Infants, some elderly or immunocompromised persons such as those undergoing chemotherapy for cancer; those who have undergone organ transplants; those who are undergoing treatment with steroids; and people with HIV/AIDS or other immune system disorders can be particularly at risk from infections. You should seek advice about drinking water from your physician or health care provider. Additional guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* are available from the Safe Drinking Water Hotline at (800) 426-4791.

Public Participation Opportunities

Date: June 15, 2010

Time: 5:50 p.m.

Location: Boyd Community Center

Phone Number: 940-433-5166

To learn about future public meetings (concerning your drinking water), or to request to schedule one, please call us.

Our Drinking Water Meets or Exceeds All Federal (EPA) Drinking Water Requirements

This report is a summary of the quality of the water we provide our customers. The analysis was made by using the data from the most recent U.S. Environmental Protection Agency (EPA) required tests and is presented in the attached pages. We hope this information helps you become more knowledgeable about what's in your drinking water.

WATER SOURCES: The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals, and in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water before treatment include: microbes, inorganic contaminants, pesticides, herbicides, radioactive contaminants, and organic chemical contaminants.

En Español

Este informe incluye información importante sobre el agua potable. Si tiene preguntas o comentarios sobre éste informe en español, favor de llamar al tel. (940) 433-5166 - para hablar con una persona bilingüe en español.

Inorganic Contaminants

Year or Range	Contaminant	Average Level	Minimum Level	Maximum Level	MCL	MCLG	Unit of Measure	Source of Contaminant
2009	Barium	0.105	0.105	0.105	2	2	ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
2009	Fluoride	0.29	0.28	0.3	4	4	ppm	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
2009	Nitrate	0.03	0	0.06	10	10	ppm	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.
2006-2005	Gross beta emitters	2	0	4	50	0	pCi/L	Decay of natural and man-made deposits.

Organic Contaminants TESTING WAIVED, NOT REPORTED, OR NONE DETECTED**Maximum Residual Disinfectant Level**

Year	Disinfectant	Average Level	Minimum Level	Maximum Level	MRDL	MRDLG	Unit of Measure	Source of Disinfectant
2009	Chloramine Residual	0.98	0.43	1.48	4	4	ppm	Disinfectant used to control microbes.

Disinfection Byproducts NOT REPORTED OR NONE DETECTED**Unregulated Initial Distribution System Evaluation for Disinfection Byproducts WAIVED OR NOT YET SAMPLED****Unregulated Contaminants**

Bromoform, chloroform, dichlorobromomethane, and dibromochloromethane are disinfection byproducts. There is no maximum contaminant level for these chemicals at the entry point to distribution.								
Year or Range	Contaminant	Average Level	Minimum Level	Maximum Level	Unit of Measure	Source of Contaminant		
2009	Chloromethane	0.29	0	0.58	ppb			
2009	Chloroform	16.69	0	33.37	ppb	Byproduct of drinking water disinfection.		
2009	Bromoform	0.83	0	1.65	ppb	Byproduct of drinking water disinfection.		
2009	Bromodichloromethane	14.1	0	28.19	ppb	Byproduct of drinking water disinfection.		
2009	Dibromochloromethane	6.97	0	13.94	ppb	Byproduct of drinking water disinfection.		

Secondary and Other Constituents Not Regulated
(No associated adverse health effects)

Year or Range	Constituent	Average Level	Minimum Level	Maximum Level	Secondary Limit	Unit of Measure	Source of Constituent
2009	Aluminum	0.027	0.027	0.027	.05	ppm	Abundant naturally occurring element.
2009	Bicarbonate	189	102	275	NA	ppm	Corrosion of carbonate rocks such as limestone.
2009	Calcium	12.3	12.3	12.3	NA	ppm	Abundant naturally occurring element.
2009	Chloride	325	18	631	300	ppm	Abundant naturally occurring element; used in water purification; byproduct of oil field activity
2009	Copper	0.037	0.037	0.037	1	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.
2009 2006	Hardness as Ca/Mg	90	54	127	NA	ppm	Naturally occurring calcium and magnesium.
2009	Iron	2.19	2.19	2.19	.3	ppm	Erosion of natural deposits; iron or steel water delivery equipment or facilities.
2009	Lead	0.007	0.007	0.007	NA	ppm	Corrosion of household plumbing systems; erosion of natural deposits.
2009	Magnesium	5.7	5.7	5.7	NA	ppm	Abundant naturally occurring element.
2009	Manganese	0.0064	0.0064	0.0064	.05	ppm	Abundant naturally occurring element.
2009	Nickel	0.002	0.002	0.002	NA	ppm	Erosion of natural deposits.
2009	pH	8	7.7	8.2	>7.0	units	Measure of corrosivity of water.
2009	Sodium	272	13	531	NA	ppm	Erosion of natural deposits; byproduct of oil field activity.
2009	Sulfate	30	17	44	300	ppm	Naturally occurring; common industrial byproduct; byproduct of oil field activity.
2009	Total Alkalinity as CaCO ₃	189	102	275	NA	ppm	Naturally occurring soluble mineral salts.
2009	Total Dissolved Solids	769	178	1360	1000	ppm	Total dissolved mineral constituents in water.
2009	Zinc	0.362	0.362	0.362	5	ppm	Moderately abundant naturally occurring element; used in the metal industry.