

HARRIS COUNTY MUNICIPAL UTILITY DISTRICT No. 208

Drinking Water Quality Report

June 2008

Public Water Supply No. 1012419

EPA Safe Drinking Water Hotline (800 426-4791)

Water Quality Information (281 861-6215)

Our Drinking Water Meets or Exceeds

All Federal (EPA) Drinking Water Requirements

Providing safe and reliable drinking water is the highest priority of the Board of Directors of Harris County Municipal Utility District No. 208. This report is a summary of the quality of water we provide our customers. We hope this information helps you become more knowledgeable about what's in our drinking water. The analysis was made using the data from the most recent U.S. Environmental Protection Agency (EPA) required tests and is presented in the attached water quality tables. Our water system is currently purchasing water from the West Harris County Regional Water Authority (WHCRWA) and blending with MUD 208 groundwater; **all constituents are well below the regulatory standards.** The water quality table for MUD 208 and the water systems that provided water to the District are included in this report.

Special Notice for the ELDERLY, INFANTS, CANCER PATIENTS, people with HIV/AIDS or other immune problems:

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/Centers for Disease Control and Prevention (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)

All Drinking Water May Contain Contaminants

When drinking water meets federal standards there may not be any health based benefits to purchasing bottled water or point of use devices. 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 poses a health risk. More information about contaminants and potential health effects can be obtained by calling the **Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (800-426-4791)** or the EPA's website at www.epa.gov/safewater.

***En Espanol:** Este reporte incluye informacion importante sobre el agua para tomar. Si tiene preguntas o discusiones sobre este reporte en espanol, favor de llamar al tel. (281 861-6215) par hablar con una persona bilingue en espanol.*

UNDERSTANDING THE TABLES

The attached table contains all of the federally regulated or monitored constituents which have been found in our drinking water. U.S. EPA requires water systems to test up to 97 constituents. **All constituent levels were below the limits set by the EPA and Safe Drinking Water Act.** Many constituents (such as calcium, sodium, or iron) which are often found in drinking water can cause taste, color and odor problems. The taste and odor constituents are called secondary constituents and are regulated by the State of Texas, not EPA. These constituents are not causes for health concerns. Therefore, secondaries are not required to be reported in this document but they may greatly affect the appearance and taste of your water.

DEFINITIONS

Maximum Contaminant Level (MCL) Regulatory Limit -

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 health risk. MCLGs allow for a margin of safety.

Treatment Technique - A required process intended to reduce the level of a contaminant in drinking water.

Maximum Residual Disinfection Level (MRDL) - The highest level of disinfectant allowed in drinking water. There is convincing evidence that the addition of a disinfectant is necessary for the control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) - The level of 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.

Action Level - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

ppm - Parts per million or milligrams per liter (mg/L). **ppb -** Parts per billion or micrograms per liter ($\mu\text{g/L}$).

pCi/l - picocuries per liter; a measure of radioactivity.

Public Participation Opportunities

Harris County MUD No. 208

Date: 3rd Friday of Each Month
or as otherwise posted.

Time: 12:00 pm

Location: 1301 McKinney, Suite 5100

Phone No: 713 651-3620

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. Contaminates that may be present in source water before treatment include: microbes, inorganic constituents, pesticides, herbicides, radioactive contaminants, and organic chemical constituents.

Where Do We Get Our Drinking Water ?

Our drinking water is obtained from a combination of water sources and is blended at our water plant. The Texas Commission on Environmental Quality (TCEQ), the state agency that provides sampling and monitoring for the EPA, is updating an assessment of our source water and will be provided to us this year. This report will describe the susceptibility and types of constituents that may come into contact with your drinking water source based on human activities and natural conditions. The information contained in this assessment will allow us to focus our source water protection strategies. For more information on source water assessments and protection efforts at our system, please contact us at 281 861-6215.

Inorganic Constituents

Year	Constituent	Average Level	Minimum Level	Maximum Level	MCL	MCLG	Unit of Measure	Source of Constituent
2005	Arsenic	3	3	3	10	0	ppb	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
2005	Barium	0.185	0.185	0.185	2	2	ppm	Erosion of natural deposits; discharge of drilling wastes; discharge from metal refineries.
2005	Fluoride	0.6	0.6	0.6	4	4	ppm	Erosion of natural deposits.
2006	Nitrate	0.01	0.01	0.01	10	10	ppm	Erosion of natural deposits.
2002	Gross alpha	2.2	2.2	2.2	15	0	pCi/L	Erosion of natural deposits

Maximum Residual Disinfectant Level

Year	Disinfectant	Average Level	Minimum Level	Maximum Level	MRDL	MRDLG	Unit of Measure	Source of Disinfectant
2006	Total Chlorine Residual	1.53	0.4	4.6	4	4	ppm	Disinfectant used to control microbes.

Organic Contaminants

Year	Constituent	Average Level	Minimum Level	Maximum Level	MCL	MCLG	Unit of Measure	Source of Constituent
2002	Xylenes	1.3	0	2.6	10000	10000	ppb	This constituent is related to the new paint coating that was applied in 2002. Repeat test indicated no Xylene was detected.
2002	Ethylbenzene	0.6	0.6	0.6	700	700	ppb	This constituent is related to the new paint coating that was applied in 2002. Repeat test indicated no ethylbenzene was detected.

Disinfection Byproducts

Year	Constituent	Average Level	Minimum Level	Maximum Level	MCL	Unit of Measure	Source of Constituent
2004	Total Haloacetic Acid	10.1	10.1	10.1	60	ppb	Byproduct of drinking water disinfection.
2004	Total Trihalomethanes	1.3	1.3	1.3	80	ppb	Byproduct of drinking water disinfection.

Unregulated Constituents

Year	Constituent	Average Level	Minimum Level	Maximum Level	Unit of Measure	Source of Contaminant
2002	Bromoform	4.5	4.5	4.5	ppb	Byproduct of drinking water disinfection
2002	Chloroform	1	1	1	ppb	Byproduct of drinking water disinfection
2002	Dibromochloromethane	4.4	4.4	4.4	ppb	Byproduct of drinking water disinfection
2002	Bromodichloromethane	2.2	2.2	2.2	ppb	Byproduct of drinking water disinfection

Bromoform, chloroform, dichlorobromomethane and dibromochloromethane are disinfection byproducts. There is no maximum contaminant level for these chemicals at the point of entry to distribution.

Lead & Copper - Regulated at the Customer's Tap

Year	Constituent	The 90th Percentile	Number of Sites Exceeding Action Levels	Action Level	Unit of Measure	Source of Constituent
2007	Copper	0.273	0	1.3	ppm	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.
2007	Lead	3.6	0	15	ppb	Corrosion of household plumbing systems; erosion of natural deposits.

Secondary and Other Not Regulated Constituents

(No associated adverse health effects)

Year	Constituent	Average Level	Minimum Level	Maximum Level	Limit	Unit of Measure	Source of Constituent
2005	Bicarbonate	348	348	348	N/A	ppm	Dissolving of carbonate rocks such as limestone.
2005	Calcium	15.5	15.5	15.5	N/A	ppm	Abundant naturally occurring element.
2005	Chloride	48	48	48	300	ppm	Abundant naturally occurring element; used in water purification.
2005	Copper	0.004	0.004	0.004	1	ppm	Corrosion of household plumbing systems; erosion of natural deposits.
2005	Iron	0.174	0.174	0.174	0.3	ppm	Erosion of natural deposits.
2005	Magnesium	4.5	4.5	4.5	N/A	ppm	Abundant naturally occurring element.
2005	Manganese	0.0074	0.0074	0.0074	0.05	ppm	Abundant naturally occurring element.
2005	ph	6.9	6.9	6.9	7.0	Units	Measure of corrosivity of water.
2005	Sodium	134	134	134	N/A	ppm	Erosion of natural deposits.
2005	Sulfate	7	7	7	300	ppm	Naturally occurring.
2005	Total Alkalinity as CaCO ₃	285	285	285	N/A	ppm	Naturally occurring soluble mineral salts.
2005	Total Dissolved Solids	404	404	404	1000	ppm	Total dissolved mineral constituents in water.
2005	Total Hardness as CaCO ₃	57	57	57	N/A	ppm	Naturally occurring calcium.

WEST HARRIS COUNTY WATER AUTHORITY
2007 Water Analysis Data

COLL DATE	TCEQ ID	SOURCE	EP.	PLT NAME	CONTAMINANT GROUP	CONTAMINANT	LEVEL	UNIT
12/13/2006	0514959	Surface	054	Jersey Village	Inorganic Metal	Aluminum	0.0383	mg/L
12/13/2006	0514959	Surface	054	Jersey Village	Inorganic Metal	Antimony	< 0.001	mg/L
12/13/2006	0514959	Surface	054	Jersey Village	Inorganic Metal	Arsenic	< 0.002	mg/L
12/13/2006	0514959	Surface	054	Jersey Village	Inorganic Metal	Barium	0.0574	mg/L
12/13/2006	0514959	Surface	054	Jersey Village	Inorganic Metal	Beryllium	< 0.0008	mg/L
12/13/2006	0514959	Surface	054	Jersey Village	Inorganic Metal	Cadmium	< 0.001	mg/L
12/13/2006	0514959	Surface	054	Jersey Village	Inorganic Metal	Calcium	35.2	mg/L
12/13/2006	0514959	Surface	054	Jersey Village	Inorganic Metal	Chromium	< 0.01	mg/L
12/13/2006	0514959	Surface	054	Jersey Village	Inorganic Metal	Copper	< 0.002	mg/L
12/13/2006	0514959	Surface	054	Jersey Village	Inorganic Metal	Iron	< 0.01	mg/L
12/13/2006	0514959	Surface	054	Jersey Village	Inorganic Metal	Lead	< 0.001	mg/L
12/13/2006	0514959	Surface	054	Jersey Village	Inorganic Metal	Magnesium	3.23	mg/L
12/13/2006	0514959	Surface	054	Jersey Village	Inorganic Metal	Manganese	0.0159	mg/L
12/13/2006	0514959	Surface	054	Jersey Village	Inorganic Metal	Mercury	< 0.0004	mg/L
12/13/2006	0514959	Surface	054	Jersey Village	Inorganic Metal	Nickel	0.0019	mg/L
12/13/2006	0514959	Surface	054	Jersey Village	Inorganic Metal	Selenium	< 0.003	mg/L
12/13/2006	0514959	Surface	054	Jersey Village	Inorganic Metal	Silver	< 0.01	mg/L
12/13/2006	0514959	Surface	054	Jersey Village	Inorganic Metal	Sodium	43.3	mg/L
12/13/2006	0514959	Surface	054	Jersey Village	Inorganic Metal	Thallium	< 0.0004	mg/L
12/13/2006	0514959	Surface	054	Jersey Village	Inorganic Metal	Total Hardness (CaCO3)	101	mg/L
12/13/2006	0514959	Surface	054	Jersey Village	Inorganic Metal	Zinc	< 0.005	mg/L
12/13/2006	690775	Surface	001	WHCRWA	Inorganic Mineral	Bicarbonate	101	mg/L
12/13/2006	690775	Surface	001	WHCRWA	Inorganic Mineral	Chloride	35	mg/L
12/13/2006	690775	Surface	001	WHCRWA	Inorganic Mineral	Dil. Conduct (umhos/cm)	444	umhos/cm
12/13/2006	690775	Surface	001	WHCRWA	Inorganic Mineral	Dissolved Solids	262	mg/L
12/13/2006	690775	Surface	001	WHCRWA	Inorganic Mineral	Fluoride	0.63	mg/L
12/13/2006	690775	Surface	001	WHCRWA	Inorganic Mineral	pH	7.4	
12/13/2006	690775	Surface	001	WHCRWA	Inorganic Mineral	Sulfate	65	mg/L
12/13/2006	690775	Surface	001	WHCRWA	Inorganic Mineral	Total Alkalinity (CaCO3)	83	mg/L
12/13/2006	690775	Surface	001	WHCRWA	Inorganic Nutrient	Nitrate	0.54	mg/L
4/26/2007	716180	Surface	001	EWPP1	Inorganic Mineral	Bicarbonate	81	mg/L
4/26/2007	716180	Surface	001	EWPP1	Inorganic Mineral	Chloride	36	mg/L
4/26/2007	716180	Surface	001	EWPP1	Inorganic Mineral	Dil. Conduct (umhos/cm)	414	umhos/cm
4/26/2007	716180	Surface	001	EWPP1	Inorganic Mineral	Dissolved Solids	244	mg/L
4/26/2007	716180	Surface	001	EWPP1	Inorganic Mineral	Fluoride	0.85	mg/L
4/26/2007	716180	Surface	001	EWPP1	Inorganic Mineral	pH	7.4	
4/26/2007	716180	Surface	001	EWPP1	Inorganic Mineral	Sulfate	71	mg/L
4/26/2007	716180	Surface	001	EWPP1	Inorganic Mineral	Total Alkalinity (CaCO3)	66	mg/L
4/26/2007	716180	Surface	001	EWPP1	Inorganic Nutrient	Nitrate	0.96	mg/L

WEST HARRIS COUNTY WATER AUTHORITY
2007 Water Analysis Data

COLL DATE	TCEQ ID	SOURCE	EP.	PLT NAME	CONTAMINANT GROUP	CONTAMINANT	LEVEL	UNIT
4/26/2007	716243	Surface	101	EWPPH	Inorganic Mineral	Bicarbonate	88	mg/L
4/26/2007	716243	Surface	101	EWPPH	Inorganic Mineral	Chloride	36	mg/L
4/26/2007	716243	Surface	101	EWPPH	Inorganic Mineral	Dil. Conduct (umhos/cm)	459	umhos/cm
4/26/2007	716243	Surface	101	EWPPH	Inorganic Mineral	Dissolved Solids	270	mg/L
4/26/2007	716243	Surface	101	EWPPH	Inorganic Mineral	Fluoride	0.9	mg/L
4/26/2007	716243	Surface	101	EWPPH	Inorganic Mineral	pH	7.5	
4/26/2007	716243	Surface	101	EWPPH	Inorganic Mineral	Sulfate	82	mg/L
4/26/2007	716243	Surface	101	EWPPH	Inorganic Mineral	Total Alkalinity (CaCO3)	72	mg/L
4/26/2007	716243	Surface	101	EWPPH	Inorganic Nutrient	Nitrate	1	mg/L
3/15/2007	721509	Surface	001	NEWPP	Inorganic Mineral	Bicarbonate	94	mg/L
3/15/2007	721509	Surface	001	NEWPP	Inorganic Mineral	Chloride	27	mg/L
3/15/2007	721509	Surface	001	NEWPP	Inorganic Mineral	Dil. Conduct (umhos/cm)	387	umhos/cm
3/15/2007	721509	Surface	001	NEWPP	Inorganic Mineral	Dissolved Solids	229	mg/L
3/15/2007	721509	Surface	001	NEWPP	Inorganic Mineral	Fluoride	0.67	mg/L
3/15/2007	721509	Surface	001	NEWPP	Inorganic Mineral	pH	7.5	
3/15/2007	721509	Surface	001	NEWPP	Inorganic Mineral	Sulfate	61	mg/L
3/15/2007	721509	Surface	001	NEWPP	Inorganic Mineral	Total Alkalinity (CaCO3)	77	mg/L
3/15/2007	721509	Surface	001	NEWPP	Inorganic Nutrient	Nitrate	0.63	mg/L
8/2/2007	716216	Surface	054	Jersey Village	Regulated disinfection by-product	Bromodichloromethane	12	µg/L
8/2/2007	716216	Surface	054	Jersey Village	Regulated disinfection by-product	Chloroform	37	µg/L
8/2/2007	716216	Surface	054	Jersey Village	Regulated disinfection by-product	Dibromochloromethane	1.8	µg/L
8/2/2007	716183	Surface	001	EWPPH	Regulated disinfection by-product	Bromodichloromethane	12	µg/L
8/2/2007	716183	Surface	001	EWPPH	Regulated disinfection by-product	Chloroform	36	µg/L
8/2/2007	716183	Surface	001	EWPPH	Regulated disinfection by-product	Dibromochloromethane	1.9	µg/L
8/2/2007	716246	Surface	101	EWPPH	Regulated disinfection by-product	Bromodichloromethane	9	µg/L
8/2/2007	716246	Surface	101	EWPPH	Regulated disinfection by-product	Chloroform	36	µg/L
8/2/2007	716246	Surface	101	EWPPH	Regulated disinfection by-product	Dibromochloromethane	1.1	µg/L
8/2/2007	716243	Surface	054	Jersey Village	Regulated disinfection by-product	Bromodichloromethane	9	µg/L
8/2/2007	716243	Surface	054	Jersey Village	Regulated disinfection by-product	Chloroform	36	µg/L
8/2/2007	716243	Surface	054	Jersey Village	Regulated disinfection by-product	Dibromochloromethane	1.1	µg/L
9/19/2007	721511	Surface	001	NEWPP	Regulated disinfection by-product	Bromodichloromethane	1.3	µg/L
9/19/2007	721511	Surface	001	NEWPP	Regulated disinfection by-product	Chloroform	5.7	µg/L
12/13/2006	0514955	Surface	054	Jersey Village	Radiochemical	Cross Alpha Particle Activity	0	pci/L
12/13/2006	0514955	Surface	054	Jersey Village	Radiochemical	Cross Beta	0	pci/L
12/13/2006	0514955	Surface	054	Jersey Village	Radiochemical	Radium 228	0	pci/L
4/26/2007	716216	Surface	054	Jersey Village	Semivolatile SOC5 pestacide	Atrazine	0.4	µg/L
4/26/2007	716216	Surface	054	Jersey Village	Semivolatile SOC5 pestacide	Simazine	0.15	µg/L
4/26/2007	716180	Surface	001	EWPPH	Semivolatile SOC5 pestacide	Atrazine	0.34	µg/L
3/15/2007	721510	Surface	001	NEWPP	Semivolatile SOC5 pestacide	Atrazine	0.39	µg/L
9/19/2007	744985	Surface	001	NEWPP	Semivolatile SOC5 pestacide	Atrazine	0.11	µg/L