
HUMBLE

*Public Works
Water Department*



**Annual Drinking Water
Quality Report
2003**

Water System ID # 1010014

2003 Drinking Water Quality Report

Consumer Confidence Report System ID # 1010014

CITY OF HUMBLE

(281) 446-2327 or (281) 446-3061

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/Center 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).

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 data from the most recent U.S. Environmental Protection Agency (EPA) required tests and is presented in the attached tables. We hope this information helps you become more knowledgeable about what's in your drinking water.

En Espanol

Este reporte incluye informacion sobre su agua para beber. Para obtener una copia de esta informacion o traducir en espanol, favor de llamar (281) 446-2327.

Where Do We Get Our Drinking Water From?

Our drinking water is obtained from ground water sources produced by (6) six water wells drawing water from the Gulf Coast Aquifer. We also receive water from the City of Houston via interconnect.

TCEQ has completed a Source Water Susceptibility Assessment for your drinking water source(s). This report describes 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 activities.

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 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 Safe Drinking Water Hotline (800-426-4791).

About The Attached Table

The attached table contains all of the federally regulated or monitored constituents which have been found in your drinking water. U.S. EPA requires water systems to test up to 97 constituents.



*Each person uses
about 100 gallons
of water a day.*



Definitions:

Maximum Contaminant Level (MCL) -

The highest permissible level of a contaminant 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 (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.

NTU -	Nephelometric turbidity units
MFL -	Million fibers per liter (a measure of asbestos)
pCi/l -	Picocuries per liter (a measure of radioactivity)
ppm -	Parts per million, or milligrams per liter (mg/l)
ppb -	Parts per billion, or micrograms per liter (ug/l)
ppt -	Parts per trillion, or nanograms per liter
ppq -	Parts per quadrillion, or picograms per liter

Summary of 2003 Water Quality

City of Humble

Water System ID #1010014

Inorganics

Year	Constituent	Highest Level at any Sampling Point	Range of Detected	MCL	MCLG	Units of Measure	Source of Constituent
2003	Arsenic	6.5	0.0000-6.5000	50	0	ppb	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
2002	Barium	0.384	0.3200-0.3840	2	2	ppm	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
2002	Fluoride	0.2	0.2000-0.2000	4	4	ppm	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
2002	Nitrate	0.03	0.0200-0.0300	10	10	ppm	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
2002	Gross alpha adjusted	8.1	0.2000-8.1000	15	0	pci/l	Erosion of natural deposits.
2002	Combined Radium 226 & 228	1.3	0.2000-1.3000	5	0	pci/l	Erosion of natural deposits
2002	Gross beta adjusted	4.3	0.0000-4.3000	50	0	pci/l	Decay of natural and manmade deposits.

NA = MCL not applicable - not regulated. Special Monitoring Requirement.

Organics - NOT TESTED FOR OR NOT DETECTED

Disinfection By-Products - NOT TESTED FOR OR NOT DETECTED

Unregulated Contaminants - NOT TESTED FOR OR NOT DETECTED

Lead and Copper

Year	Constituent	The 90th Percentile	Number of Sites Exceeding Action Level	Action Level	Units of Measure	Source of Constituent
2001	Lead	7.0000	1	15	ppb	Corrosion of household plumbing systems; Erosion of natural deposits.
2001	Copper	0.0970	0	1.3	ppm	Corrosions of household plumbing systems; Erosion of natural deposits Leaching from wood preservatives.

Req

The r
(CCR
work
Repo

Beca
EPA:

F

T

S

M
le
c
m

ity Results



Required Additional Health Information for Arsenic

The maximum contaminant level (MCL) for arsenic will be decreasing from 0.05 mg/l (CCR - 50 ppb) to 0.01 mg/l (CCR - 10 ppb) effective January 23, 2006. EPA and States are still discussing the level. Until these issues are worked out, TCEQ is providing the following health effects language according to new Consumer Confidence Report (CCR) reporting.

Because the highest reported arsenic level on this report is between 5 ppb and 10ppb, this information is required by EPA:

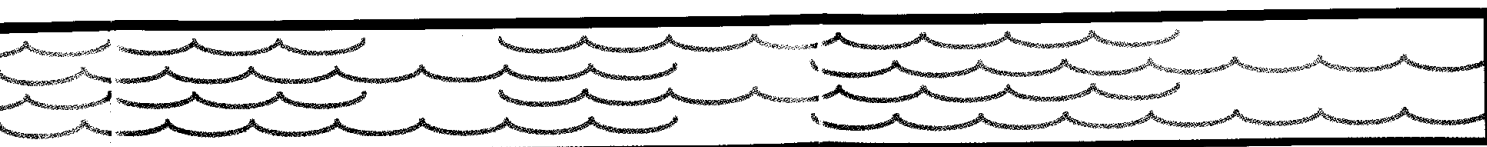
"While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other known health effects such as skin damage and circulatory problems."

Fecal Coliform: Not Detected

Total Coliform: Not Detected

Secondary Constituents:

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.



Public Participation Opportunities

Date: Monday Thru Friday
Time: 8:00 A.M. to 5:00 P.M.
Location: City of Humble Public Works Department
102 Granberry
Humble, Texas 77338
Phone Number: (281) 446-2327

A graphic of a large black water drop with several smaller droplets falling from its top and bottom. The words "WATER FACT" are written in white, bold, sans-serif capital letters inside the drop.

**WATER
FACT**

The City of Humble pumps 3 to 5 million gallons of water each day. With capability of pumping 7.1 million daily.

The City of Humble purchases water from the City of Houston via interconnect. The data reported is data collected from the City of Humble/City of Houston's point of entry 121, Houston Intercontinental Airport (IAH) - 2 water plant. However, the Houston Intercontinental Airport (IAH) System is connected to the City of Houston's main water system. Further information of the City of Houston main system can be obtained on the City of Houston's Internet web site @ www.ci.houston.tx.us/departme/works/utilities/waterprod.htm