



MISSISSIPPI STATE DEPARTMENT OF HEALTH

BUREAU OF PUBLIC WATER SUPPLY

CALENDAR YEAR 2009 CONSUMER CONFIDENCE REPORT CERTIFICATION FORM

Hinds County Detention Center
Public Water Supply Name

0250097
List PWS ID #s for all Water Systems Covered by this CCR

The Federal Safe Drinking Water Act requires each community public water system to develop and distribute a consumer confidence report (CCR) to its customers each year.

Please Answer the Following Questions Regarding the Consumer Confidence Report

- Customers were informed of availability of CCR by: (Attach copy of publication, water bill or other)
Advertisement in local paper
On water bills
Other Posted In Prison

Date customers were informed: 06/22/10

- CCR was distributed by mail or other direct delivery. Specify other direct delivery methods:

Date Mailed/Distributed: / /

- CCR was published in local newspaper. (Attach copy of published CCR or proof of publication)

Name of Newspaper:

Date Published: / /

- CCR was posted in public places. (Attach list of locations)

Date Posted: / /

- CCR was posted on a publicly accessible internet site at the address: www.

CERTIFICATION

I hereby certify that a consumer confidence report (CCR) has been distributed to the customers of this public water system in the form and manner identified above.

Jeff Jones / Operator
Name/Title (President, Mayor, Owner, etc.)

06/21/2010
Date

Mail Completed Form to: Bureau of Public Water Supply/P.O. Box 1700/Jackson, MS 39215
Phone: 601-576-7518

Hinds County Detention Center 2009 CCR 0250097; 06/15/2009

Is my water safe?

In 2009, The Hinds County Detention Center met all U.S. Environmental Protection Agency (EPA) and state drinking water health standards. Local Water vigilantly safeguards its water supplies and once again we are proud to report that our system has not violated a maximum contaminant level or any other water quality standard.

Do I need to take special precautions?

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 (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

Where does my water come from?

Our wells draw from the Cockfield Aquifer.

Source water assessment is available on MSDEQ web site.

Our rating is LOWER.

Why are there contaminants in my drinking water?

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).

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:

microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses; organic Chemical Contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems; and radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

How can I get involved?

Please contact us with any comments or questions you may have.

Maximum Residual Disinfectant Level.

During the monitoring period the MCL was not exceeded.

Additional Information for Lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Hinds County Detention Center is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

Water Quality Data Table

The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

Contaminants	MCLG or MRDLG	MCL, TT, or MRDL	Your Water	Range Low High	Sample Date	Violation	Typical Source
Disinfectants & Disinfectant By-Products							
(There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants)							
Chlorine (as Cl ₂) (ppm)	4	4	1.13	NA	2009	No	Water additive used to control microbes
THMs [Total Trihalomethanes] (ppb)	NA	80	6.21	NA	2009	No	By-product of drinking water disinfection
Haloacetic Acids (HAA5) (ppb)	NA	60	60	NA	2008	No	By-product of drinking water chlorination
Inorganic Contaminants							
Nitrate [measured as Nitrogen] (ppm)	10	10	0.2	NA	2009	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrite [measured as Nitrogen] (ppm)	1	1	0.05	NA	2009	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Cyanide [as Free Cn] (ppb)	200	200	15	NA	2009	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories

Antimony (ppb)	6	6	0.0005	NA		2009	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition.
Arsenic (ppb)	0	10	0.5	NA		2009	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Barium (ppm)	2	2	0.002964	NA		2009	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Beryllium (ppb)	4	4	0.1	NA		2009	No	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries
Cadmium (ppb)	5	5	0.1	NA		2009	No	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and paints
Fluoride (ppm)	4	4	0.154	NA		2009	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Mercury [Inorganic] (ppb)	2	2	0.2	NA		2009	No	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland
Selenium (ppb)	50	50	0.5	NA		2009	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines
Thallium (ppb)	0.5	2	0.5	NA		2009	No	Discharge from electronics, glass, and Leaching from ore-processing sites; drug factories
Volatile Organic Contaminants								
1,2,4-Trichlorobenzene (ppb)	70	70	0.5	NA		2009	No	Discharge from textile-finishing factories
cis-1,2-Dichloroethylene (ppb)	70	70	0.5	NA		2009	No	Discharge from industrial chemical factories
Xylenes (ppm)	10	10	0.0005	NA		2009	No	Discharge from petroleum factories; Discharge from chemical factories
Dichloromethane (ppb)	0	5	0.5	NA		2009	No	Discharge from pharmaceutical and chemical factories
o-Dichlorobenzene (ppb)	600	600	0.5	NA		2009	No	Discharge from industrial chemical factories
p-Dichlorobenzene (ppb)	75	75	0.5	NA		2009	No	Discharge from industrial chemical factories
Vinyl Chloride (ppb)	0	2	0.5	NA		2009	No	Leaching from PVC piping; Discharge from plastics factories
1,1-Dichloroethylene (ppb)	7	7	0.5	NA		2009	No	Discharge from industrial chemical factories
trans-1,2-Dichloroethylene (ppb)	100	100	0.5	NA		2009	No	Discharge from industrial chemical factories
1,2-Dichloroethane (ppb)	0	5	0.5	NA		2009	No	Discharge from industrial chemical factories
1,1,1-Trichloroethane (ppb)	200	200	0.5	NA		2009	No	Discharge from metal degreasing sites and other factories
Carbon Tetrachloride (ppb)	0	5	0.5	NA		2009	No	Discharge from chemical plants and other industrial activities
1,2-Dichloropropane (ppb)	0	5	0.5	NA		2009	No	Discharge from industrial chemical factories
Trichloroethylene (ppb)	0	5	0.5	NA		2009	No	Discharge from metal degreasing sites and other factories
1,1,2-Trichloroethane (ppb)	3	5	0.5	NA		2009	No	Discharge from industrial chemical factories
Tetrachloroethylene (ppb)	0	5	0.5	NA		2009	No	Discharge from factories and dry cleaners
Chlorobenzene (monochlorobenzene) (ppb)	100	100	0.5	NA		2009	No	Discharge from chemical and agricultural chemical factories
Benzene (ppb)	0	5	0.5	NA		2009	No	Discharge from factories; Leaching from gas storage tanks and landfills

Toluene (ppm)	1	1	0.0005	NA	2009	No	Discharge from petroleum factories
Styrene (ppb)	100	100	0.5	NA	2009	No	Discharge from rubber and plastic factories; Leaching from landfills
Contaminants	MCLG	AL	Your Water	Sample Date	# Samples Exceeding AL	Exceeds AL	Typical Source
Inorganic Contaminants							
Copper - action level at consumer taps (ppm)	1.3	1.3	0.0377	2009	0	No	Corrosion of household plumbing systems; Erosion of natural deposits
Unit Descriptions							
Term	Definition						
ppm	ppm: parts per million, or milligrams per liter (mg/L)						
ppb	ppb: parts per billion, or micrograms per liter (µg/L)						
NA	NA: not applicable						
ND	ND: Not detected						
NR	NR: Monitoring not required, but recommended.						
Important Drinking Water Definitions							
Term	Definition						
MCLG	MCLG: Maximum Contaminant Level Goal: 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.						
MCL	MCL: Maximum Contaminant Level: 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.						
TT	TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.						
AL	AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.						
Variations and Exemptions	Variations and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions.						
MRDLG	MRDLG: Maximum residual disinfection level goal. 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.						
MRDL	MRDL: Maximum residual disinfectant level. 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.						
MNR	MNR: Monitored Not Regulated						
MPL	MPL: State Assigned Maximum Permissible Level						
For more information please contact:							

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