

CITY OF MILAN

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

SOME HOMES IN THE CITY HAVE ELEVATED LEAD LEVELS IN THEIR DRINKING WATER. LEAD CAN POSE SIGNIFICANT RISK TO YOU HEALTH. PLEASE READ THE FOLLOWING NOTICE FOR FURTHER INFORMATION.

Recent water sampling carried out in accordance with the Michigan Safe Drinking Water Act, 1976 PA 399, as amended (Act 399), mandated procedures, has shown lead concentrations in some first draw samples to be above the lead action level of 15 parts per billion (ppb). As required by R 325.10410 of Act 399 administrative rules, the following must be distributed by the water utility as part of a local public education program addressing lead in drinking water. We will continue to address this matter in consultation with staff from the Michigan Department of Environmental Quality Water Bureau. It must be emphasized that the relative risk to public health from lead in drinking water is believed to be minimal under normal water use conditions. Sampling has shown that the source of elevated lead is from either building plumbing or the service line to the building. We continue to recommend that all customers allow water to run from drinking water taps for several minutes prior to use in the mornings or following six or more hours of nonuse in a building.

INTRODUCTION

The United States Environmental Protection Agency (EPA) and this water utility are concerned about lead in your drinking water. Although most homes have very low levels of lead in their drinking water, some homes in the city have lead levels above the EPA action level of 15 ppb. Under federal law, we are required to have a program in place to minimize lead in your drinking water by October 31, 2009. This program includes corrosion control treatment, source water treatment (if warranted), and public education. We are also required to replace the portion of each lead service line that we own if the line contributes lead concentrations of more than 15 ppb after we have completed the comprehensive treatment program. If you have any questions about how we are carrying out the requirements of the lead regulation, please call us at the number shown at the end of this brochure. This notice explains the simple steps you can take to protect you and your family by reducing your exposure to lead in drinking water.

HEALTH EFFECTS OF LEAD

Lead is a common metal found throughout the environment in lead based paint, air, soil, household dust, food, certain types of pottery, porcelain and pewter, and water. Lead builds up in the body over many years and can cause damage to the brain, red blood cells, and kidneys. The greatest risk is to young children and pregnant women. Amounts of lead that won't hurt adults can slow down normal mental and physical development of growing bodies. In addition, a child at play often comes into contact with sources of lead contamination, like dirt and dust that rarely affect an adult. It is important to wash children's hand and toys often and to try to make sure they only put food in their mouths.

LEAD IN DRINKING WATER

Lead in drinking water, although rarely the sole cause of lead poisoning, can significantly increase a person's total lead exposure, particularly the exposure of infants who drink formulas

and concentrate juices that are mixed with water. The EPA estimates that drinking water can make up 20 percent or more of a person's total exposure to lead.

Lead is unusual among drinking water contaminants in that it seldom occurs naturally in water supplies like rivers and lakes. Lead enters drinking water primarily as a result of the corrosion, or wearing away, of materials containing lead in the water distribution system and household plumbing. These materials include lead-based solder used to join copper pipes, brass, and chrome plated brass faucets and, in some cases, pipes made of lead that connect a house to the water main. In 1986, Congress banned the use of lead solder containing greater than 0.2 percent lead, and restricted the lead content of faucets, pipes, and other plumbing materials to 8.0 percent.

When water stands in lead pipes or plumbing systems containing lead for several hours or more, the lead may dissolve into the drinking water. This means the first water drawn from the tap in the morning, or late in the afternoon after returning from work or school, can contain fairly high levels of lead.

STEPS YOU CAN TAKE IN THE HOME TO REDUCE EXPOSURE TO LEAD IN DRINKING WATER

Despite our best efforts to control water corrosivity and remove lead from the water supply, lead levels in some homes or buildings can be high. To find out if you need to take action in your home, have your drinking water tested to determine if it contains excessive concentrations of lead. Testing the water is essential because you cannot see, taste, or smell lead in drinking water. For more information on having your water tested, or if you wish to have a listing of local laboratories certified for lead testing, please call the City of Milan.

If a water test indicates that the drinking water drawn from a tap in your home contains lead above 15 ppb, then you should take the following precautions:

Let the water run from the tap before using it for drinking or cooling any time the water in a faucet has gone unused for more than six hours. The longer water resides in your home's plumbing, the more lead it may contain. Flushing the tap means running the cold-water faucet until the water gets noticeably colder, usually in about 15-30 seconds. If your house has a lead service line to the water main, you may have to flush the water for a longer time, perhaps one minute, before drinking. Although toilet flushing or showering flushes water through a portion of the home's plumbing system, you still need to flush the water in each faucet before using it for drinking or cooking. Flushing tap water is a simple and inexpensive measure you can take to protect your family's health. It usually uses less than one or two gallons of water and costs less than 50 cents per month. To conserve water, fill a couple of bottles for drinking water after flushing the tap, and whenever possible, use the first flush water to wash the dishes or water the plants.

Try not to cook with or drink water from the hot water tap. Hot water can dissolve lead more quickly than cold water. If you need hot water, draw water from the cold tap and heat it on the stove.

Remove loose lead solder and debris from the plumbing materials installed in newly constructed homes, or homes in which the plumbing has recently been replaced, by removing the faucet

strainers from all taps and running water from 3-5 minutes. Thereafter, periodically remove the strainers and flush out any debris that has accumulated over time.

If your copper pipes are joined with lead solder that has been installed illegally since it was banned in June 1998, notify the plumber who did the work and request that he or she replaces the lead solder with lead free solder. Lead solder looks dull gray, and when scratched with a key, looks shiny. In addition, notify the MDEQ about the violation.

Determine whether or not the service line that connects your home to the water main is made of lead. The best way to determine if the service line is lead is either hire a licensed plumber to inspect the line or by contacting the plumbing contractor who installed the line. You can identify the plumbing contractor by contacting the city's record of building permits which should be maintained in the files of the local building department. A licensed plumber can at the same time check to see if your home's plumbing contains lead solder, lead pipes, or pipe fittings that contain lead. If the service line that connects your home to the water main contributes more than 15 ppb to drinking water after our comprehensive treatment program is in place, we are required to replace the city portion of the line. We will provide information on how to replace the homeowner portion of the line at the homeowner's expense, if that is necessary. If we replace only the portion of the line that we own, we also are required to notify you in advance and provide you with information on the steps you can take to minimize exposure to any temporary increase in lead levels that may result from the partial replacement, to take a follow-up sample from the line within 72 hours after the partial replacement, and to mail or provide you with the results of that sample within three business days after receiving the results. Acceptable replacement alternatives include copper, steel, iron, and plastic pipes.

Have an electrician check your wiring. If grounding wires from the electrical system are attached to your pipes, corrosion may be greater. Check with a licensed electrician or your local electrical code to determine if your wiring can be grounded elsewhere. DO NOT attempt to change the wiring yourself because improper grounding can cause electrical shock and fire hazards.

The steps described above will reduce the lead concentrations in your drinking water. However, if a water test indicates that the drinking water coming from your tap contains lead concentrations above 15 ppb after flushing, or after we have completed our actions to minimize lead levels, then you may want to take the following additional measures:

Purchase or lease a home treatment device. Home treatment devices are limited in that each unit treats only the water that flows from the faucet to which it is connected, and all of the devices require periodic maintenance and replacement. Devices such as reverse osmosis systems or distiller can effectively remove lead from your drinking water. Some activated carbon filters may reduce lead levels at the tap; however, all lead reduction claims should be investigated. Be sure to check the actual performance of a specific home treatment device before and after installation.

Purchase bottled water for drinking and cooking.

You can consult a variety of sources for additional information. State and local government agencies that can be contacted for information include:

The City of Milan Water Department, Todd Knepper, Director of Public Works at 734-439-1780

A list of State certified laboratories for testing water quality can be obtained from the Michigan Department of Environmental Quality at 517-780-7840.

The local building department can provide you with information about building permit records that should contain the names of plumbing contracts that plumbed your home. 734-439-7089

The Washtenaw County Health Department at 734-222-3959 or the Monroe County Health Department at 734-240-7900 can provide you with information about the health effects of lead and how you can have your child's blood tested.

More information about your drinking water is available from the EPA Office of Water home page at: <http://www.epa.gov/safewater/dwinfor/index.html> while more information about how to reduce the levels of lead in your drinking water can be found at <http://www.epa.gov/safewater/lcrmr/index.html>.

CERTIFICATION

wssn: 04380

I certify that this water supply has fully complied with the public notification regulations in the Michigan Drinking Water Act, 1976 PA 399, as amended, Administrative Rules.

<u>Todd S. Knepper</u>	<u>Director of Public Works</u>	<u>11/22/06</u>
Signature	Title	Date