



Notice Date June 2017

QUALITY ON TAP CITY OF EAST JORDAN ANNUAL WATER REPORT

Inside this issue:	
Monitoring Information	2
Explanation of Test Results	2
Coliform Rule	3
Terms & Abbreviations	3
Test Results	3-4
Summary	5
Direct Payment Enrollment Form	6
News from the City Administrator	7

SAFE DRINKING WATER ACT

The Safe Drinking Water Act requires all Public Water systems to issue an annual report to its customers telling them what substances and how much of each are in their water.

We invite the public to call with any questions they might have about this report.

City Hall is Open Monday through Friday, 8:00 a.m. to 5:00 p.m. 231-536-3381

City Administrator: Thomas Cannon
DPW Superintendent: Troy Thomas

Water Treatment Operator:
David Fierstien

WE ARE PLEASED TO REPORT THAT OUR DRINKING WATER IS SAFE AND MEETS FEDERAL AND STATE REQUIREMENTS.

THIS REPORT SHOWS HOW OUR WATER SUPPLY IS KEPT SAFE AND WILL PROVIDE YOU WITH OUR MONITORING INFORMATION AND TESTING RESULTS.

WE WANT OUR VALUED CUSTOMERS TO BE INFORMED ABOUT THEIR WATER UTILITY AND ENCOURAGE ANY QUESTIONS ABOUT THIS REPORT.

QUALITY ON TAP.....

Special points of interest:

- TERMS AND ABBREVIATIONS USED IN THIS REPORT
- TEST RESULTS
- EXPLANATION OF TEST
- **CITY HALL WILL BE CLOSED ON THE FOLLOWING DATES:**
- July 4th, September 4th, November 23th & 24th, December 25th & 26th, December 30th & 31st

We are very pleased to provide you with this year's Quality on Tap Water Report. We want to keep you informed about the water and services we have delivered to you over the past year. Our goal is and always has been, to provide to you a safe and dependable supply of drinking water.

In its effort to supply you with the safest possible product, the City of East Jordan chlorinates the water supply against potential contamination from viruses and bacteria. The level of this additive

is monitored daily to ensure proper dosages are being added. Iron is an abundant and widespread constituent of rocks and soil in Northern Michigan. At sufficient concentrations, iron can adversely affect the taste of water and beverages and can leave rust-colored stains on laundry, plumbing fixtures and porcelain.

Our water source is groundwater that is drawn from two different aquifers by three wells located in various parts of our City. The susceptibility of our wells ranges from moderately low to moderate.

MONITORING INFORMATION

The City of East Jordan routinely monitors for contaminants in your drinking water according to Federal and State laws. The tables on the following pages show results of our monitoring for the period of January 1st to December 31st, 2016.

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 EPA's 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.

Contaminants that may be present in source water:

Microbial contaminants, such as viruses and bacteria, which 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 storm water 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 storm water 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 storm water runoff and septic systems.

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 which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.



Explanation of Test Results

As you can see by the following tables, our system had no violations in 2016. We are proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some contaminants have been detected. The E.P.A. has determined that your water is safe at these levels.

Water Quality Data

The tables below list all of the drinking water contaminants that we detected during the 2016 calendar year. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in these tables is from testing done January 1st through December 31st, 2016. The State allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. All of the data is representative of the water quality, but some are more than one year old.

Terms and Abbreviations

- **Maximum Contaminant Level Goal (MCLG):** 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.
- **Maximum Contaminant Level (MCL):** 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 Residual Disinfectant Level (MRDL):** The highest level of a disinfectant allowed in drinking water. There is convincing evidence that the addition of a disinfectant is necessary for control of microbial contaminants.
- **Maximum Residual Disinfectant Level Goal (MRDLG):** 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.
- **N/A:** Not Applicable
- **ND:** Not Detectable at testing limit
- **ppb:** parts per billion or micrograms per liter
- **ppm:** parts per million or milligrams per liter
- **pCi/l:** Picocuries per liter (a measure of radioactivity).
- **Action Level:** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

TOTAL COLIFORM RULE

The Total Coliform Rule requires water systems to meet a stricter limit for Coliform bacteria. Coliform bacteria are usually harmless, but its presence in water can be an indication of disease-causing bacteria. When Coliform bacteria are found, special follow-up tests are done to determine if harmful bacteria are present in the water supply. If this limit is exceeded, the water supplier must notify the public by newspaper, television or radio. To comply with the stricter regulation, we monitor our system monthly taking samples from different locations in the distribution system.

Microbial Contaminants	MCL	MCLG	Positive Samples	Violation Yes/No	Typical Source of Contaminants
Total Coliform Bacteria	1 Positive monthly sample (5% of monthly samples positive)	0	0	No	Naturally present in the environment
Fecal Coliform and E. Coli	Routine and Repeat samples are total coliform positive, and one is also fecal or E. Coli positive	0	0	No	Human and Animal fecal waste

2016 Running Annual Average of Free Chlorine in the Water Distribution System

	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>	
MRDLG = 4.0 ppm					
MCL = 4.0ppm	Quarterly Average	0.23 ppm	0.23 ppm	0.26 ppm	0.20 ppm
	Annual Average				
	0.23 ppm				

Samples Collected in the Distribution System:

Contaminants Subject to an Action Level	Action Level, MCL, or MRDL	Our Water	Sample Date	Number of Samples Above AL	Typical Source of Contaminants
Lead (ppb)*	AL = 15	4.8	9/23/2015	0	Corrosion of household plumbing systems; Erosion of natural deposits
Copper (ppm)*	AL = 1.3	0.68	9/23/2015	0	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
Total Trihalomethanes (ppb)	MCL = 80	2.4 Total	8/3/2016	0	Disinfection byproduct
Haloacetic Acids (ppb)	MCL = 60	Not Detected	8/3/2016	0	Disinfection byproducts

Samples Collected at the Well House:

Regulated Contaminants	MCL	MCLG	Our Water	Sample Date	Violation Yes/No	Typical Source of Contaminants
Flouride (ppm)	4	4	Range: 0.71-1.03	8/24/16	No	Erosion of Natural Deposits; Added for health benefits
Radioactive Contaminants	MCL	MCLG	Our Water	Sample Date	Violation Yes/No	Typical Source of Contaminants
Alpha Emitters pCi/L	15	0	ND	9/29/15	No	Erosion of Natural Deposits
Combined Radium 226/228 (pCi/L)	5	0	0.51 –1.78	9/29/15	No	Erosion of Natural Deposits
Other Contaminants	MCL	MCLG	Our Water	Sample Date	Violation Yes/No	Typical Source of Contaminants
Nitrate ppm	10		ND– 0.7	8/24/16	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Sodium ppm			4.2– 20.0	8/24/16	No	Erosion of natural deposit or storm runoff

*90% of the samples collected were at or below the level reported for our water

In Summary.....

MCL's are set at very stringent levels. To understand the possible health effects described for many regulated contaminants, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

In our continuing efforts to maintain a safe and dependable water supply it may be necessary to make improvements in your water system. The costs of these improvements may be reflected in the rate structure. Rate adjustments may be necessary in order to address these improvements.

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/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791). Please call our office if you have questions.



Consumer Confidence Report (CCR) News (Even if Lead is not detected....)

“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. The City of East Jordan 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 at 1-800-426-4791 or at www.water.epa.gov/drink/info/lead.”



Direct Payment Enrollment Form

The City of East Jordan has a voluntary automatic payment plan for your utility bill. You will still receive your monthly statement indicating your usage and the amount due. Then payment will be deducted from your checking or savings account on the due date. The plan is quick, simple, helps you avoid any penalties and it is free.

To participate in the automatic payment plan, simply fill out the form below and return to City Hall, via mail or drop off, along with a **VOIDED CHECK**.

For any NSF rejections the City will follow Administrative Policy #125 and Policy #103/CT.

1. Complete the contact information request below (please print):

Name: _____
 Service Address: _____
 Mailing Address: _____
 Daytime Phone: _____
 Water/Sewer Billing
 Account Number: _____

2. Your Financial Institution Information: To ensure the correct account number is used for this electronic payment and to obtain the ABA routing number, please contact your financial institution for assistance.

Name of Financial Institution: _____
 ABA/Routing Number: _____
 Account Number: _____
 Type of Account
 (Checking or Savings): _____

3. Provide your signature for authorization:

I authorize the City of East Jordan to deduct my water/sewer billing payments from my checking or savings account listed above. A new enrollment form is required if I change my bank account. If I decide to cancel my direct payment participation I will contact the City. I understand that I control my payments and if at any time I decide to discontinue or change this service, I will notify the City of East Jordan. The City of East Jordan will need 10 business days prior to the due date to make any corrections to your account. I remain responsible for any late fees for other charges due to incorrect bank account information, non-sufficient funds in my account or other non-payment from my account.

4. Photocopy this form for your records and return original with your current payment or mail to:

City of East Jordan
 PO Box 499
 East Jordan, MI 49727

Questions? Call us at (231) 536-3381
 Fax (231) 536-3383
 info@eastjordancity.org

THIS FORM CANNOT BE PROCESSED WITHOUT YOUR SIGNATURE

Signature: _____ Date: _____

Transfer Station Closing

The transfer station will be closing **June 30, 2018**. Revenue losses in combination with increased private curbside service led to the decision to close the transfer station. The recycling bins at Bartlett Street will continue to be open 24/7. The cardboard compactor and remaining bins will be relocated to Bartlett Street following the closure of the transfer station. The county-wide recycling millage will continue to fund the recycling program.

Composting will also move to Bartlett Street and will be available for drop off 24/7. City residents may deliver grass clippings and leaves (in biodegradable bags or loose loads) free of charge. Brush will be picked up curbside and is not disposable at the compost site.

CHICKEN ORDINANCE

The following are the amended regulations regarding zoning code Chapter 48, Article IV:

- (A) Maximum of 12 hens per parcel; roosters prohibited
- (B) Slaughtering prohibited within public view
- (C) Chickens shall be provided, and remain within, a fully enclosed shelter with an optional covered fenced enclosure in the rear yard
- (D) Enclosures shall be located at least 25 feet from any dwelling on a neighboring parcel
- (E) No chicken shall be kept on parcels with more than one dwelling
- (F) All feed and other items associated with the keeping of chickens are to be stored as to not attract rodents
- (G) Hens and their enclosures must be kept in a neat, clean, and sanitary condition from offensive odors, excessive noise, or other condition that would constitute a nuisance
- (H) Chickens will only be allowed in the following zoning districts (R1, R2A, RA, and R3)

WATER ORDINANCE**ARTICLE II. - WATER, DIVISION 3. - CHARGES, Sec. 46-77**

Water bills are due within 20 days of billing. Overdue charges are assessed a penalty as established by city commission resolution. Service shall be disconnected to customers who are at least seven days past due and an additional amount prescribed by resolution of the city commission as an off-charge shall be levied. Members of the department of public works shall, without notice to the user or property owner, turn the *water* off until the *bill* has been paid in full, plus an additional charge in an amount prescribed by resolution of the city commission for turning on the *water*.

Monthly charges. For the purpose of *charging* for water used, the year shall be billed *monthly*. Meters will be read at the close of each month. All users will be *charged* based on the amount of water used and at a rate established by commission resolution. Irrespective of and in addition to the amount of water used, each meter for each user will receive a minimum flat bill amount representing readiness to-serve *charges* for the system. The minimum flat rate shall be determined by city commission resolution.

Full descriptions of ordinances can be found on the City of East Jordan website under resources.

City of East Jordan
201 Main Street
PO Box 499
East Jordan, MI 49727



Points of interest:

Check out the City's Facebook & Web page for upcoming events & current news from the City.

Address Service Requested

CITY TALK is a publication of:

City of East Jordan

231 536-3381

Annual Water Report

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