



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection – Drinking Water Program

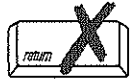
# Public Health Advisory: Manganese

Levels greater than 300 µg/L

## CERTIFICATION

Make sure to send your MassDEP regional office Drinking Water Program and local board of health a copy of each type of notice and a certification that you have met all the public notice requirements within ten days after issuing the notice (310 CMR 22.15(3)(b)). When you certify, you are also stating that you will meet future requirements for notifying new units of the manganese public health advisory.

**Important:** When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



4052064 PWS ID# Carver City/Town

Carver High School PWS Name  Community  Non-community

Date(s) water level exceeded 300 µg/L for manganese: 4/20/2018 Date

The public water system indicated above hereby affirms that public notice has been provided to local health officials and consumers in accordance with 310 CMR 22.16 including: delivery, content, format requirements, notification deadlines, and that the public water system will meet future requirements for notifying new billing units and new customers of the exceedance.

Date of MassDEP notification: 4/20/2018 Date

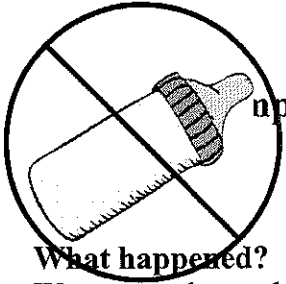
Notice to local health official distributed by Hand Method  
on 4/20/2018 Date Kevin Frogue Name of health official

Notice to consumers distributed by Posting Method(s)  
on 4/20/2018 Date(s) Hard copy / Electronic

I certify under penalty of law that I am the person authorized to fill out this form and the information contained herein is true, accurate, and complete to the best of my knowledge and belief.

*David B Siedentopf* Signature of owner or operator 4/20/2018 Date  
David B Siedentopf Printed name of owner or operator

## DRINKING WATER ADVISORY (NTNC WATER SUPPLY 0.3 to 1.0 mg/L)



[Carver High School] has  
Important Information about Manganese in Your Drinking Water

-- Translate it or speak with someone who understands it --

### What happened?

Water sample results received on [1/27/18] showed confirmed manganese levels of [0.694] milligrams per liter (mg/L) which is in excess of the Massachusetts Department of Environmental Protection (MassDEP) advisory level. While manganese is necessary for proper nutrition, an excess could adversely affect health.

### What should I do?

- **Infant formula should be prepared with bottled water** or made with water from an alternate source with manganese levels below 0.3 mg/L.
- **Use bottled water for infants less than 1 year of age** or water from a source with a manganese level below 0.3 mg/L.
- **Others using water from this system may continue to use the water** because they do not get all of their daily drinking water from this source. Also remedial measures being taken will lower manganese concentrations before long-term exposures occur.
- **If you have health related concerns about manganese**, contact your health care provider.
- **For more information on manganese** including treatment options see attached "MassDEP Manganese Fact Sheet -Typical Questions and Answers for Consumers". This Fact Sheet is also located at:  
<http://www.mass.gov/eea/agencies/massdep/water/drinking/manganese-in-drinking-water.html>.

### What does this mean?

Drinking water may naturally have manganese which is necessary for proper nutrition, but an excess could adversely affect health. **MassDEP advises that people drink water with manganese levels less than 0.3 mg/L over a lifetime, and also advises that people limit their consumption of water with levels over 1 mg/L, primarily to decrease the possibility of adverse neurological effects. Infants up to 1 year of age should not be given water with manganese over 0.3 mg/L, nor should formula for infants be made with that water for more than a total of 10 days throughout the year.** *The general population water concentration exposure limits of 0.3 and 1 mg/L have been set based upon typical daily dietary manganese intake levels not known to be associated with adverse health effects. This does not imply that intakes above these levels will necessarily cause health problems. Individual requirements for, as well as adverse effects from manganese can be highly variable.*

### What is being done?

We will continue to monitor for manganese, work to lower the manganese concentrations and work with the MassDEP to keep you informed of all current information on this issue. [Manganese water treatment system is being installed summer of 2018.]

If you have questions for our water department contact [Dave Siedentopf] at [508-866-3400 x 1030] or [dsiedentopf@carverma.org] or (108 Main St. Carver MA 02330) .

*Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses).*

This advisory is being sent to you by [Carver High School].  
[4-20-18]

PWS ID# [4052064]

Date distributed: