

DRINKING WATER HEALTH ADVISORY

The Linn Grove Water Works has high levels of Manganese

DO NOT DRINK THE WATER

Sample results received on November 18th, 2021 showed manganese levels of 1.27 mg/L. This level is above the Environmental Protection Agency's (EPA's) short-term health advisory of 1 mg/L.

Manganese is a naturally occurring element found in soil, water, and air. It is commonly found in the food we eat, including nuts, legumes, seeds, grains, and green leafy vegetables and in drinking water. Our bodies require small amounts of manganese to stay healthy. Adults and children get enough manganese from the foods we eat. Infants and children get enough manganese from breast-milk, food, or formula.

Too much manganese can increase the risk of health problems, particularly for infants under 6 months old. Infants are more at risk than older children and adults because their brains and bodies are quickly developing. Formula-fed infants get enough manganese from formula to meet their dietary needs. However, they may get too much manganese (above the recommended amount for nutrition) in their bodies when formula is mixed with water that contains manganese. Infants exposed to manganese over 0.3 mg/L may experience learning or behavioral problems.

Adult's drinking water with high levels of manganese for many years may experience impacts to their nervous system, resulting in behavioral changes and other nervous system effects, including slow and clumsy movements. Some studies have shown that too much manganese during childhood may also have effects on the brain, which may affect learning and behavior. Some studies have shown that too much manganese during childhood may also have effects on the brain, which may affect learning and behavior.

If you are concerned about your health from manganese exposure, discuss your concerns with your healthcare provider.

This health advisory is being provided because EPA identified health risks from short-term exposure.

What should I do?

DO NOT GIVE TAP WATER TO INFANTS. Formula and other food preparations for infants under 6 months old should not be prepared with tap water. Use bottled water or alternative sources of water for infants. Making formula or foods with water containing manganese levels above the health advisory can increase an infant's risk of health problems.

DO NOT GIVE TAP WATER TO CHILDREN OR ADULTS: Use bottled water or an alternative source of water for drinking and food preparation for children and adults. Water containing manganese levels above the health advisory may cause possible neurological effects.

DO NOT BOIL THE WATER. Boiling, freezing, or letting water stand does not reduce manganese. Boiling can increase levels of manganese because manganese remains behind when the water evaporates.

Adults and children of all ages can continue to bathe and shower, brush their teeth, and wash clothes, food, and dishes in tap water.

If you have specific health concerns, you may wish to consult your doctor.

What happened? What is being done?

The Linn Grove Water Source tested high for manganese, which is naturally occurring. There is nothing our treatment facility can do to remove it therefore an ongoing situation. You will be notified when we test again and notified if the manganese levels drop below the health advisory level.

This notice is being sent to you by the Linn Grove Water Supply. State Water System ID#: 1147085

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