



**NAME: Health Risk Advisories for Manganese in Drinking Water
May 21, 2021**

Situation Briefing

- MDH is issuing Health Risk Advisory (HRA) letters to the public water systems (PWS) listed in the table below because the manganese levels exceed the Health-based Value (HBV) of 100 µg/L (micrograms per liter):

PWS Name	PWS Type	City, County	Leg. Districts	Advisory Level	PWS Contact
Foley	Municipal	Foley, Benton	15B/15	>300	City Admin: 320-968-7260 sbrunn@ci.foley.mn.us

- Advisory Level “>100”: The HBV of 100 µg/L is based on short-term exposure (between one and 30 days) for formula-fed infants (under 1 year old) and infants that drink tap water.
- Advisory Level “>300”: EPA has a lifetime Health Advisory Level of 300 µg/L, which is the maximum concentration of manganese that is not expected to cause any adverse health effects for a lifetime of exposure. MDH supports this guidance value for children over one year old and adults.
- Advisory Level “>1,000”: EPA also has a one-day Health Advisory Level for adults and older children of 1,000 µg/L (or 1 mg/L), which is the maximum concentration of manganese that is not expected to cause any adverse health effects for one day of exposure.
- Manganese does not have a Maximum Contaminant Level (MCL) required by the Safe Drinking Water Act.
- The HRA letter recommends that the water system:
 - Notify residents about manganese as soon as possible.
 - Take actions to reduce manganese in the drinking water supply.
- The PWS is informed about notification of the governor’s office and legislators when the HRA letter is sent and provided a copy of this notification.
- MDH will schedule a meeting with the PWS following the HRA letter to discuss public notification and actions to reduce exposure.
- Ultimately, since manganese is not regulated, decision on what to do, if anything, is up to the system. MDH will offer technical assistance to the maximum extent possible for all aspects of reducing exposure.

MDH CONTACTS:

- DWP Section Manager: Sandeep Burman, 651.201.4667, sandeep.burman@state.mn.us
- CWS Unit Manager: Karla Peterson, 651.201.4679, karla.peterson@state.mn.us
- CEC Engineer: Lucas Martin, 651.201.4144, lucas.martin@state.mn.us