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## Got Manganese?



On June 1, 2016 the New Hampshire Department of Environmental Services (NH DES) hosted a Manganese Workshop in Concord, NH in coordination with the New Hampshire Water Works Association. CEI Principal Engineer, Mr. Michael Ohl, P.E., CFM, presented a session on *Health Considerations Associated with Manganese*.

Manganese has long been recognized to cause nuisance and aesthetic issues in drinking water. Concerns about the potential health impacts of manganese in drinking water have renewed in response to new research.

In 2013, CEI conducted a survey on manganese in New England groundwater supplies to assess the magnitude of the manganese issue and to provide that information to Public Water Suppliers (PWSs). The results indicated that manganese is prevalent with approximately 76% of responding PWSs having at least one well with manganese greater than the 0.05 mg/L SMCL, and approximately 53% of responding PWSs with manganese greater than the 0.3 mg/L U.S. EPA Health Advisory Level.

CEI recently worked with the Kingston, MA Water Department to design, engineer and construct a Manganese Treatment Facility. This project was selected as a finalist for the American Council of Engineering Companies of New Hampshire (ACEC of NH) Engineering Excellence Award in 2016.

CEI provides comprehensive drinking water engineering and consulting services throughout the region. For more information on manganese in drinking water or a copy of the above presentation, please contact Michael Ohl, P.E., CFM at 508.281.5177 or at [mohl@ceiengineers.com](mailto:mohl@ceiengineers.com).

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