



IOWA DEPARTMENT OF NATURAL RESOURCES

Water Supply News

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Consumer Confidence Report Data

The Iowa DNR's Water Supply Operations Section has mailed the system-specific Consumer Confidence Report (CCR) data for calendar year 2017 to all community water systems, which should be received during the week of March 12th. Each community water system must develop its CCR and distribute it to the system's consumers by July 1st. A copy of the CCR must also be sent to the DNR by July 1st. The certification that describes how the CCR was delivered is due to the DNR by October 1st, although it's easiest to submit it along with the report copy by July 1st.

Make sure all of the most current definitions are used, which will be listed in the mailed data. The definitions of TCR positive and E. coli have changed; if a Level 1 or 2 assessment was done, it must be listed; and report if all of the corrective actions were done for a significant deficiency or a sanitary defect. The changes were provided in the 2016 data from DNR, but must be used this year.

If a system has any questions, contact the person listed in the cover letter. Operators can request an electronic copy of their data letter by sending a request to ccr@dnr.iowa.gov.

Iowa Association of Municipal Utilities has their six CCR workshops scheduled around the state; see their [website](#) for more information.

Comprehensive Study of Water Main Break Rates in U.S. and Canada Just Released

Excerpted from ASDWA Weekly Update, 3/9/2018

“Researchers at Utah State University recently released a [comprehensive study](#) of the break rates for commonly used pipe materials in the U.S. and Canada. The study collected data from over 300 water systems with around 200,000 miles of water mains in

48 states and 7 provinces that serve over 52 million people (14.5% of the population in the U.S. and Canada). The study analyzed data from 23,803 main breaks.

Water main breaks are a numerical indicator of the condition of water infrastructure and are frequently used in the decision-making for prioritizing which water mains to replace. Break rates increased 27% in the past six years. The increases in break rates for cast iron (CI) and asbestos cement (AC) pipe were higher, at 46% and 43%, respectively.

Several other conclusions resulted from this study. The percentage of water mains which are beyond their useful life double from 8% to 16% since 2012 (the date of the [previous study](#)). The percentage of water mains over 50 years old has increased from 22% to 28% since 2012. ...”

The author and primary researcher is Dr. Steven Folkman, P.E., an AWWA member and a member of the Transportation Research Board Committee on Culverts and Hydraulic Structures. Dr. Folkman oversees the Utah State University’s Buried Structures Laboratory, and is a coauthor of *Buried Pipe Design* (McGraw Hill, 3rd Edition). The laboratory has been involved in analysis and testing of all types of pipe and associated structures for more than 50 years. It is one of two laboratories in the U.S. that performs large scale tests on buried pipes. The report is 49 pages, 2.43 Mb.

IDNR WS Staff Speaking Engagements

Iowa DNR staff in the water supply program areas are scheduled to speak at the following events. The date, sponsor and event, location, subject, and contact for more information are listed.

- March 21, 2018, IA-AWWA Region 6 Water Operator Conference, Washington, “IDNR WS Update; Operator Certification.” [Website](#) for more information.
- March 28, 2018, IA-AWWA Region 4 Water Operator Conference, Atlantic, “IDNR WS Update.” [Website](#) for brochure.
- April 9-10, 2018, IA-AWWA Spring Short Course Workshop, Ankeny, “IDNR WS Update.” [Website](#) for brochure and registration.
- April 18, 2018, IRWA Ammonia & Disinfection in Drinking Water, Cherokee. [Website](#) for this free workshop; registration is required.
- April 24, 2018, IRWA Ammonia & Disinfection in Drinking Water, Oakland. [Website](#) for this free workshop; registration is required.

For other professional development opportunities, see the “Training Calendar” at programs.iowadnr.gov/opcertweb/.