



IOWA DEPARTMENT OF NATURAL RESOURCES

Water Supply News

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Public Health Preparedness, Response, and Recovery Guidance for Health Care Providers, Response and Recovery Workers, and Affected Communities — CDC, 2017

From CDC's MMWR, September 13, 2017

“CDC and the Agency for Toxic Substances and Disease Registry (ATSDR) have [guidance and technical materials](#) available in both English and Spanish to help communities prepare for hurricanes and floods ([Table 1](#)). To help protect the health and safety of the public, responders, and clean-up workers during response and recovery operations from hurricanes and floods, CDC and ATSDR have developed public health guidance and other resources; many are available in both English and Spanish ([Table 2](#)).”

There are many documents in the two tables that would be relevant in Iowa in the event of a flooding, windstorm, tornado, or power outage event. All are written in an understandable manner, and most are in both English and Spanish.

Iowa State Revolving Fund FY 2017 Annual Report Now Available

The fiscal year 2017 annual report for the Iowa SRF is now available online at the links below. From the Executive Summary:

"Annual reports usually contain a lot of data, and this one is no different. It includes dollar amounts financed, numbers of projects receiving assistance, return on capital figures, and more. But underlying the facts and figures are the stories of the Iowa communities, utilities, farmers, landowners and others solving problems and making investments in Iowa's water and the future of the state.

The SRF was just shy of the \$3 billion mark in cumulative assistance provided during SFY 2017. Because the funds are continually being loaned out and repaid with interest, the SRF continues to grow. This source of financing will continue to meet future needs for a wide variety of water issues.

The Iowa SRF continues to be an effective and cost-efficient vehicle for financing projects to protect water quality and public health, as intended by Congress and state policy-makers. Iowa dynamically manages its SRF to fully utilize available resources, serve its borrowers, and create opportunities for innovative financing. Iowa's results are visible in the pages of this report."

[FY 2017 Annual Report Narrative](#)

[Clean Water SRF Exhibits](#)

[Drinking Water SRF Exhibits](#)

Iowa Drinking Water Program's Capacity Development Triennial Report to the Governor Now Available

From the report:

"Iowa's Drinking Water Capacity Development program, operated by the Department of Natural Resources (DNR), is dedicated to helping these water supply personnel continually develop and improve their ability or "capacity" to serve their customers. There are three main elements of water system capacity, also known as "TMF."

- **Technical:** Enough water, well maintained infrastructure, up-to-date technology, and qualified and knowledgeable staff to operate the system.
- **Managerial:** An effective organization and governance, accountability, properly certified operators, and good relationships and communications between boards, councils, management and staff.
- **Financial:** Enough revenue to cover current costs and future needs, fiscal controls, and credit worthiness."

This report is required under the Safe Drinking Water Act to be provided to the Governor every three years. The report will be posted next week at this [website](#).

EPA Starts the IRIS Review Process for Four Chemicals

From ASDWA Weekly Update, September 22, 2017

“On September 18th, the Environmental Protection Agency (EPA) announced the start of the review process under Integrated Risk Information System (IRIS) for these chemicals – ethylbenzene, nitrate and nitrite, and chloroform. This is the first step in a 14-step process for an IRIS review, and this review process will likely take several years.

The likelihood, as well as the timing, for any potential revisions to any drinking water regulations is not clear at this time. After these reviews, the Office of Groundwater and Drinking Water (OGWDW) would have to assess the revised risk numbers and make the decision on whether a revision to a regulated is warranted (or not warranted) as part of the Agency’s [Six-Year Review process](#). EPA’s [Third Six-Review of Existing Drinking Water Regulations](#) was published on January 11, 2017, so at this point, the fourth Six-Year Review is scheduled to be published sometime in 2018. If a decision is made at that time to move forward with a revision of a regulation, any regulatory revision is also a multi-year process.”

USGS: Increasing Chloride Levels in U.S. Rivers Can Lead to Increased Corrosion in Water Pipes

From ASDWA Weekly Update, September 22, 2017

“A new [study](#) by the U.S. Geologic Survey (USGS) found increasing chloride levels in many U.S. rivers, which contributes to increased corrosion in water distribution pipes. Over a 20-year period, from 1992-2012, chloride concentrations increased as well as other measures of the potential corrosivity of water such as chloride-sulfate mass ratio (CSMR) and the Larson Ratio (LR). The study also analyzed the current status (2010-2015) of chloride, CSMR, and LR. The long-term found slight increases in chloride, CSMR, and LR across the U.S., but found much larger increases in urban-dominated sampling sites. Urbanization was strongly correlated with elevated chloride, CSMR, and LR, most likely due to the use of road salt in the snow-affected areas of the study.

Elevated chloride, CSMR, and LR in source waters can result in increased corrosion in water pipes and lead action level exceedances (ALEs) under the Lead and Copper Rule (LCR). In this study, the probability of lead ALEs in drinking water systems increased along with raw surface water CSMR, indicating a statistical connection between surface water chemistry and corrosion in water pipes. Research on this connection between increased CSMR and increased corrosion in water pipes started a decade ago with research conducted at Virginia Tech, and continues to be an important consideration for LCR compliance.”

What's Happening Around the Country for Imagine a Day Without Water?

From ASDWA Weekly Update, September 22, 2017

"Imagine a Day Without Water, October 12, 2017, is only three weeks away! As the national day of education and advocacy draws closer, we wanted to highlight a few of the inventive and exciting ways organizations around the country are spreading the word about the value of water. We hope the events listed below will inspire you to show your community how you #ValueWater.

- [Milwaukee Metropolitan Sewerage District](#), in collaboration with local partners, will be holding a grand opening of their Green Infrastructure Center of Excellence, inviting the public to visit the space and learn about green infrastructure and the free services the center will offer.
- City of Jersey City, NJ and the City of Hoboken, NJ are partnering with local organizations, including [New Jersey Future](#) and [New Jersey Water Works](#), to host a number of events throughout the day including a waterfront clean up in Hoboken, catch basin clean up and painting, green infrastructure tours, and wrapping with Imagine a Day Without Beer event with the New Jersey Craft Brewers Association.
- A number of utilities and city departments, including [Illinois American Water](#); [Pawtucket Water Supply Board](#) in Rhode Island; City of Arlington, TX; [Soquel Creek Water District](#); [Suez South Jersey](#), and [Tucson Water](#), are partnering with libraries and school districts to host art contests and essay contests asking students to imagine a day without water.
- [Hampton Roads Sanitation District](#) is hosting an open house at their SWIFT Research Center where they using innovative technology for water purification.
- [Central Arkansas Water](#) and [Beaver Water District](#) in Arkansas are sponsoring water-themed trivia nights at local breweries in their area.
- [AlexRenew](#), [KC Water](#), and [Florida Keys Aqueduct Authority](#) will be filming short video clips asking local businesses and community partners to imagine a day without water.
- [Tucson Water](#) is distributing signs and stickers for coffee sleeves & cups to local coffee shops.
- [Arkansas Water Environment Association](#) is distributing 5,000 window clings around the state.
- [Beaufort-Jasper Water & Sewer Authority](#) is distributing 5,000 coasters to bars and restaurants in the area to remind people that a day without water is a day without sweet tea and boiled peanuts!

Organized by the Value of Water Campaign, Imagine a Day Without Water urges organizations across the country to engage and educate their communities about the state of our nation's infrastructure and the need for reinvestment. If your organization has not added its name yet for the national day of education and advocacy, click <http://imagineadaywithoutwater.org/signup> to sign up today!"

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.

- October 4, 2017, Region 3 IA-AWWA Meeting, Cherokee. “IDNR WS Update.” [Website](#).
- October 10-12, 2017, AWWA Annual Meeting, Council Bluffs. “LUST Sites and Water Mains; IDNR Water Supply Update; Cyanobacteria.” [Website for brochure and registration](#).
- October 10 - 11, 2017, IRWA Fall Conference, Dubuque. “IDNR Water Supply Update.” [Website for brochure and registration](#).
- November 15, 2017, IAMU Water Operators Training Workshop, Ankeny. “IDNR Water Supply Update.” [Website for brochure and registration](#).

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