

**NDWPCC**

North Dakota Water & Pollution Control Conference

# OFFICIAL BULLETIN

VOLUME 107

JULY - SEPTEMBER 2019

NUMBERS 7-9

## CONFERENCE ISSUE





If you set the bar at competence,

how do you reach excellence?





**Editor**  
*Jake Schafer*

**Business Manager**  
*Laura J Lee*

**Contributing Authors**  
*Drinking Water Program Staff*  
*NDWPCC Members*

# OFFICIAL BULLETIN

*Official Publication of the*  
*North Dakota Water and Pollution Control Conference*

**Conference Issue**

**Established 1935**

**VOL. 107**

**July-September 2019**

**NOS. 7-9**

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The objectives of this Conference shall be: the advancement of the knowledge of design, construction, operation and management of water and wastewater systems; the promotion and encouragement, through annual meetings or otherwise, of an exchange of information and experience among its membership; the promotion and encouragement of the protection of public health and improved environment through the construction and efficient operation of water supply and wastewater treatment facilities; and the promotion of water and wastewater system operator education and certification programs.

*Article II of the Constitution of the*  
*North Dakota Water and Pollution Control Conference*

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*The services and products of the following represented firms are deserving  
of your best consideration.*

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Members of the conference are indebted to those members and others who have contributed articles and other materials for this publication.

**On the cover:** Railroad bridge over Missouri River - 2017

## CONFERENCE BUSINESS PHONE: 701-328-6622

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**2019 ND WATER AND POLLUTION CONTROL CONFERENCE ACTIVITIES  
OCTOBER 8-10**

**The Power of Partnership: Sharing Resources with  
Neighboring systems**

**Monday** 9:00 a.m. – 4:30 p.m.  
Governor's Room

**Emergency Response/Vulnerability Assessment  
Training**

**Tuesday** 7:30 a.m. – 11:30 a.m.  
Heart Room

**REGISTRATION**

**Tuesday** 8:00 a.m. - 5:00 p.m.  
**Wednesday** 8:00 a.m. - 5:00 p.m.  
**Thursday** 8:00 a.m. - 10:00 p.m.  
Entrance Dakota Ballroom

**pH CERTIFICATION**

**Tuesday** 9:00 a.m. - 11:00 a.m.  
Environmental Training Center  
2639 East Main Ave

**MEALS**

**Tuesday Lunch** 11:30 a.m.  
Court yard

**Tuesday Buffet** 5:00 p.m. – 7:00 p.m.  
Court yard

**Wednesday Free Buffett Breakfast** 8:00 a.m. - 10:00 a.m.  
Sponsored by Vendors and Suppliers  
Dakota Ballroom

**Wednesday Lunch** 11:45 a.m.  
Court yard

**Wednesday Social** 5:30 p.m.  
Court yard

**Wednesday Banquet** 6:30 p.m.  
Dakota Ballroom

**Thursday Lunch** 12:00 p.m.  
Court yard

**YP POSTER COMPETITION**

**Wednesday** 8:30 a.m. – 10:30 a.m.  
Dakota Ballroom Entrance

**TABLETOP DISPLAY PROGRAM  
Dakota Ballroom**

**Tuesday** 8:00 a.m. - 5:00 p.m.  
Check in at the Registration Desk

**Tuesday** 7:00 p.m. - 9:00 p.m.  
Setup Time

**Wednesday** 7:00 a.m. - 7:30 a.m.  
Last Chance Setup Time

**Wednesday** 7:30 a.m. - 11:30 a.m.  
Display Hours

**Wednesday** 1:30 p.m. - 3:30 p.m.  
Takedown Time

**GOLF TOURNAMENT**

**Tuesday** 1:00 p.m.  
  
Hawktree Golf Course  
3400 Burnt Creek Loop  
Bismarck ND 58503

**FIELD TRIPS  
Transportation will be provided**

**Tuesday** 2:00 p.m. – 4:00 p.m.  
Bismarck Wastewater Plant  
and Master Lift Station

**ENTERTAINMENT**

**Wednesday**  
  
Strolling Strings 6:00 p.m. – 6:45 p.m.  
Dakota Ballroom

**LOCAL ARRANGEMENTS COMMITTEE**

Mike Berg  
Alan Kemmet  
Gabe Schell  
Scott Schneider



**Monday**

- 9:00 a.m. – 4:30 p.m.      **Preconference Workshop**  
The Power of Partnership: Sharing Resources with Neighboring Systems  
Environmental Finance Center Network  
Governor’s Room
- 7:00 p.m.      **Preconference Meeting**  
North Dakota Section of the American Water Works Association (NDAWWA)  
Governor’s Room

**Tuesday**

- 7:30 a.m. – 11:30 a.m.      **Emergency Response/Vulnerability Assessment**  
Midwest Assistance Program  
Heart Room
- 7:30 a.m.      **Officers Meeting**  
NDAWWA  
Governor’s Room
- 8:00 a.m.      **Officers Meeting**  
North Dakota Chapter of the American Public Works Association (NDCAPWA)  
Room 2160
- 8:00 a.m.      **Officers Meeting**  
North Dakota Water Environment Association (NDWEA)  
Room 3130
- 9:30 a.m.      **Officers Meeting**  
Joint Board of Directors of the North Dakota Water and Pollution Control Conference (NDWPC), NDCAPWA, NDWEA, NDAWWA, NASECA-ND  
Governor’s Room
- 10:30 a.m.      **AWWA Committee Meetings**  
NDAWWA  
Governor’s Room
- 11:30 a.m.      **Business Meeting**  
NDCAPWA  
Courtyard
- 1:30 p.m. – 4:30 p.m.      **Concurrent Sessions**  
Heart Room, Sheyenne Room, Cannonball Room



## **Wednesday**

- 9:00 a.m.                      **Annual Meeting**  
North Dakota Chapter of the North American Stormwater and Erosion  
Control Association (NASECA-ND)  
Room 3130
- 9:00 a.m.                      **Annual Public Works Directors and City Engineers Meeting**  
Governor's Room
- 9:00 a.m.                      **North Dakota Operator Certification Advisory Committee Meeting**  
Room 2160
- 12:00 p.m.                    **Business Meeting**  
NDAWWA  
Dakota Ballroom
- 1:30 p.m. - 4:30 p.m.      **Concurrent Sessions**  
Heart Room, Sheyenne Room, Cannonball Room

## **Thursday**

- 8:00 a.m. - 11:30 a.m.      **Concurrent Sessions**  
Grand Pacific Room, Patterson Room, Lamborn Room
- 12:00 noon                    **Business Meetings**  
NDWEA and NDWPCC  
Courtyard

## **FUTURE CONFERENCES**

- 2020** – Minot, October 13-15, Clarion
- 2021** – Fargo, October 12-14, Holiday Inn
- 2022** – Bismarck, October 11-13, Ramkota Hotel





# 2020 *Your Source for Water Wisdom* SURFACE WATER TREATMENT WORKSHOP

April 28-30 | Radisson Hotel | Downtown Fargo, ND

Minnesota, North Dakota, and South Dakota AWWA request abstracts for both verbal and poster presentations for the **2020 Surface Water Treatment Workshop**.

## What Makes this Workshop the Best?

- The **only** joint conference with MN, ND, and SD sections hosted by AWWA
- With common water sources, geology, and climate, this workshop provides an opportunity to work jointly on solving this region's unique and challenging issues
- Collaboration with other sections will bring home **value to your system**
- Over 200 attendees expected

## Who Should Attend?

- Utility Operators, Educators, Regulators, Engineers, Municipalities, Manufacturers, and everyone in between

## CALL FOR PAPERS

### DATES TO REMEMBER

Abstracts Due

October 30, 2019

Notification of Acceptance

November 30, 2019

## TOPICS MAY INCLUDE:

### UTILITY MANAGEMENT & OPERATIONS

Emerging Contaminants

Regulations

Sustainability

Financing

Asset Management

Utility Management

Water Conservation

Source Water Issues

GIS Applications

Risk & Resiliency

### WATER TREATMENT & TECHNOLOGY

Treatment Technologies

Lime Softening

Membrane Technologies

Chemical Feed Optimization

Innovative Treatment

Filter Optimization

Biological Treatment

Residuals Handling

Taste & Odor Removal

Chemical Usages

### SUPPLY, DISTRIBUTION, & GREEN TECHNOLOGIES

Disinfection

Disinfection By-Products

Water Storage Issues

Distribution

Water Age

Water Modeling

Stormwater

Surface Water Intake Issues

Green Technologies

**The presentation selection committee will view quality of the abstract as an indication of the quality expected in the presentation and final manuscript. Review of the abstracts will be based on the following criteria:**

- Relevance to the theme of the conference and the theme of the individual session(s)
- Significance of the work to a broad audience
- Technical content
- Originality of the work, including new concepts, innovations, or data

Submit abstracts for a presentation or poster at  
**[www.AWWAND.org](http://www.AWWAND.org) by October 30, 2019**

**QUESTIONS?** Contact  
Adam Zach, AE2S  
[swtw.abstracts@gmail.com](mailto:swtw.abstracts@gmail.com)





Minot, ND  
Downtown Infrastructure Improvements Project  
2019 APWA Project of the Year — Historical Restoration/Preservation  
\$25 million to \$75 million

# Helping Tame the Mouse that Roared

The catastrophic Mouse River flood event of 2011 caused historic damage to property and infrastructure in Minot, ND.

To help preserve its future in the flood’s aftermath, the City launched a major revitalization project in its downtown. The aged and aging underground and surface infrastructure could not support the vision of a modern, vibrant, revitalized heart of the City.

This massive reconstruction effort was made possible by the collaboration of federal, state, and city leaders as well as buy-in and assistance from many downtown businesses. This collaboration—coupled with state-of-the-art software tools developed to expedite project design, manage construction costs, and offset oil development construction inflation—enabled us to do what we do best: **provide sustainable, cost-effective infrastructure solutions.**

Congratulations City of Minot, and thank you for letting us be a part of this collaborative, award-winning effort!

Stop by our booth during the ND Water and Pollution Control Conference



Ribbon cutting ceremony held in October 2017 marked the end of the three-year project that was deemed the largest urban reconstruction effort ever undertaken by the City.



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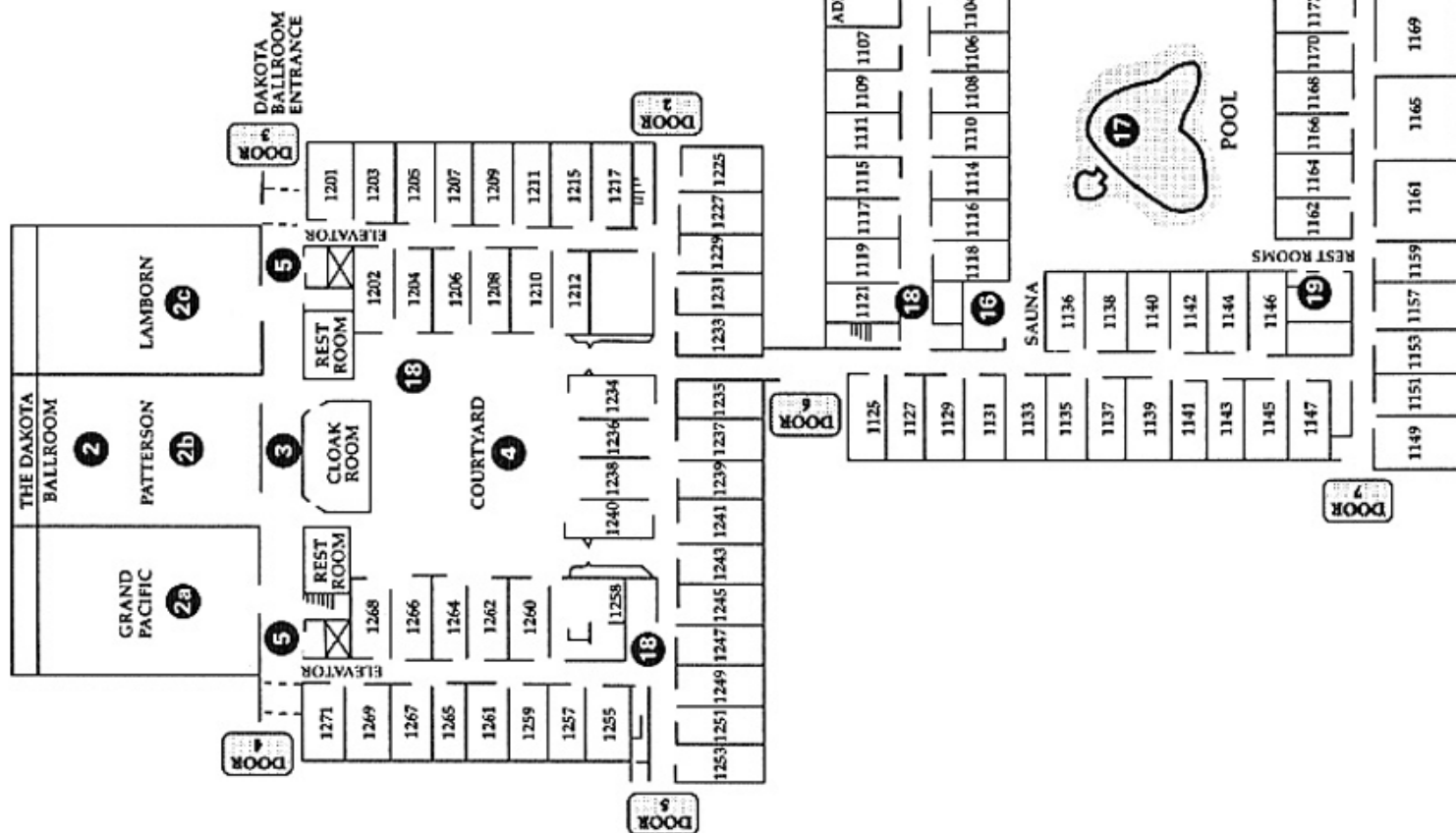




# Ramkota Hotel Bismarck

## Guest Service Map

1. The Missouri Room
- 1a. Heart
- 1b. Sheyenne
- 1c. Cannonball
2. The Dakota Ballroom
- 2a. Grand Pacific
- 2b. Patterson
- 2c. Lamborn
3. Coat Rooms
4. Courtyard
5. Elevators
6. Gift Shops
7. Front Desk  
(Room Registration)
8. Governor's Room
9. Lobby
10. Game Room
11. Health Club
12. Nickels Lounge
13. Seasons Cafe & Restaurant
14. Administration Offices
15. Sales and Catering
16. Sauna
17. Indoor WaterPark
18. Pop, Ice
19. Rest Rooms







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**NDWPCC**  
**TUESDAY, OCTOBER 8, 2019**  
**AFTERNOON CONCURRENT SESSIONS**

11:30 a.m.  
 Luncheon and Business Meeting, NDCAPWA  
 Courtyard  
 President Erik Gilbertson, Presiding

Welcome: Bismarck Mayor Steve Bakken and  
 NDWPCC President Mike Berg

**Session A**

Heart Room of the Missouri Room  
 Moderator: Greg Wavra

1:30 p.m. Title: Fluoridation Facts and Fiction

Speaker: Johnny Johnson, President,  
 American Fluoridation Society

**Session B**

Shyenne Room of the Missouri Room  
 Moderator: Michael Quamme

1:30 p.m. Title: Are Your Bugs Happy? Treatment  
 Optimization and Stabilization

Speaker: Harvey Gullicks, AE2S

**Session C**

Cannonball Room of the Missouri Room  
 Moderator: Gary Zuroff

1:30 p.m. Title: Asbestos Pipes

Speaker: Justin Otto, NDDEQ

2:00 p.m. Title: Implementing Single Stream Recycling  
 In Western North Dakota

Speaker: Rachel Shumaker, Dickinson

2:30 p.m. Title: H2O-Why Water is Different  
 Than Other Molecules

Speaker: Todd Seibel, Bismarck State  
 College

3:00 p.m. Break, Courtyard

3:30 p.m. Title: AWIA: The Law you need to know  
 If you serve over 3,300 customers.

Speaker: Kyle St. Clair, EPA Region 8

3:00 p.m. Break, Courtyard

3:30 p.m. Title: Collection System Fundamentals

Speaker: Ben Julson, AE2S

3:00 p.m. Break, Courtyard

3:30 p.m. Title: Biosolids Dewatering Case Studies

Speaker: Deltron Peters, HDR, Inc.

4:00 p.m. Title: Electrical Use Tracking and  
 Cost

Speakers: Troy Hall, Fargo  
 Adam Wahler, AE2S

4:30 p.m. Adjourn

4:30 p.m. Adjourn

4:30 p.m. Adjourn

5:00 - 7:00 p.m. Buffet Dinner, Courtyard



7:30 - 11:30 a.m. Tabletop Display Program,  
Dakota Ballroom  
8:00 a.m. - 10:00 a.m. Free Breakfast Buffet  
Dakota Ballroom

**NDWPCC**  
**WEDNESDAY, OCTOBER 9, 2019**  
**AFTERNOON CONCURRENT SESSIONS**

12:00 p.m. Luncheon and Business Meetings, NDAWWA:  
Courtyard NDAWWA President John Goetz, Presiding  
Guest Speaker: Elizabeth Carter, AWWA  
Vice-President

**NDAWWA Session**

Heart Room of the Missouri Room  
Moderator: Rick Gillund

1:30 p.m. Title: SCADA Security Strategies to  
Ensure Reliability

Speaker: Michael Chorme, AE2S

**NDWEA Session**

Shyenenne Room of the Missouri Room  
Moderator: Sarah Waldron Feld

1:30 p.m. Title: Wahpeton Pond Study

Speaker: Don Wald, City of Wahpeton

**NDCAPWA Session**

Cannonball Room of the Missouri Room  
Moderator: Erik Gilbertson

1:30 p.m. Title: Using New Aeration Technology to  
Rehabilitate Wastewater Lagoon  
Systems

Speaker: Brady O'Leary Triplepoint  
Environmental

2:00 p.m. Title: Mandan Diesel Fuel Remediation  
Project

Speaker: Jim Neubauer, City of Mandan

2:00 p.m. Title: Planning for the Future: The Role of  
Water Distribution Modeling in Master  
and Capital Improvement Planning

Speaker: Michael Quamme, Apex

2:30 p.m. Title: Wipes & Grease Control

Speaker: Dean Woehl, City of Bismarck

2:00 p.m. Title: UAV in Public Works

Speakers: Brian Simmons and Kyle Mullen,  
Bolton & Menk

3:00 p.m. Break, Courtyard

3:00 p.m.

Break, Courtyard

3:00 p.m.

Break, Courtyard

3:30 p.m. Title: Metal Eating Bugs: A Case of  
Microbiologically Influenced Erosion

3:30 p.m. Title:

Dental Amalgam

3:30 p.m. Title:

Medora Wastewater Treatment  
Improvements

Speaker: Jim Lemington, Bartlett &  
West

Speakers:

Bill Gefroh, City of Bismarck  
Marty Haroldson, NDDEQ

Speaker: Mike Berg, Apex

4:00 p.m. Title: NAWWS Biota Water Treatment Plant

4:00 p.m. Title:

Hydrogen Sulfide in Wastewater

4:00 p.m. Title:

Endless Configurations – Elements of  
Well Field Design

Speaker: Alan Kemmet, Houston Engineering

Speaker:

Bill Gefroh, City of Bismarck

Speaker:

Mike Plante – Leonard Rice  
Engineers, Inc.

4:30 p.m.

Adjourn

4:30 p.m.

Adjourn

4:30 p.m.

Adjourn

5:30 p.m.

Social Hour, Courtyard

6:30 p.m.

Banquet: Dakota Ballroom  
Invocation: Greg Carr, Crisis Care  
Chaplaincy  
Master of Ceremonies: Mike Seminary  
Entertainment: Strolling Strings

**NDWPCC**  
**THURSDAY, OCTOBER 10, 2019**  
**MORNING CONCURRENT SESSIONS**

<b>Session A</b>		<b>Session B</b>		<b>NASECA-ND Session</b>	
Grand Pacific Room of the Dakota Ballroom Moderator: Mike Berg		Patterson Room of the Dakota Ballroom Moderator: ND WEA		Lamborn Room of the Dakota Ballroom Moderator: Jasper Klein	
8:00 a.m.	Title: Backflow Prevention	8:00 a.m.	Title: Speed Dating	8:00 a.m.	Title: Bismarck's Southside Stormwater Improvements
Speaker:	Mitch LeBas, Backflow Prevention Services			Speaker:	Scott Schneider, Apex
9:00 a.m.	Title: Solids Precipitation and Water Quality in a Home			8:30 a.m.	Title: Better Prediction of Urban Flood Risk Using 2D Models
Speakers:	Bill Gefroh, City of Bismarck Michelle Klose, City of Bismarck			Speaker:	Justin Klabo, AE2S
				9:00 a.m.	Title: Alternative Approaches to Sizing Multiple Water Quality BMPs in Large Watersheds
				Speaker:	Jeff Hruby, AE2S
10:00 a.m.	Break, Courtyard	10:00 a.m.	Break, Courtyard	9:30 a.m.	Title: What is Water? The Evolving Definition of Water of the U.S.
10:30 a.m.	Title: Panel Discussion – Distribution/ Premise Plumbing	10:30 a.m.	Title: Financial Viability of Reuse Water	Speaker:	Daniel DeJode, Braun Intertec
Speakers:	Mitch LeBas, Backflow Prevention Consultation Brent Beechie, ND State Plumbing Board Greg Wavra, NDDEQ Bill Gefroh, Bismarck Michelle Klose, Bismarck	Speaker:	Greg Stack, City of Dickinson	10:00 a.m.	Break, Courtyard
		11:00 a.m.	Title: NDDEQ Regulation Updates	10:30 a.m.	Title: City of Bismarck Stormwater Approval Process
		Speakers:	Marty Haroldson, NDDEQ Sarah Waldron Feld, NDDEQ	Speakers:	Gabe Schell, Bismarck Mike Greer, Bismarck Ken Nysether, SEH Brad Krogstad, KLJ Hunt Boustead, Trademark Reality
11:30 a.m.	Adjourn	11:30 a.m.	Adjourn		
12:00 noon	Joint Luncheon and Business Meetings, NDWEA and NDWPCC, Courtyard NDWEA, Chair Don Wald and NDWPCC President Mike Berg Presiding Guest Speaker: Rajendra Bhattarai, WEF			11:30 a.m.	Adjourn



We don't innovate for innovation's sake.  
We innovate when it brings  
**REAL SOLUTIONS TO  
YOUR REAL CHALLENGES.**



***Don't miss our presentation at  
the 2019 North Dakota Water and  
Pollution Control Conference***

**WHERE:** Cannonball room of the  
Missouri Room

**WHEN:** Wednesday, October 9  
2 p.m.



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July 12, 2019

Sienna Meredith  
Municipal Systems (8P-W-MS)  
U.S. EPA Region 8  
1595 Wynkoop Street  
Denver, CO 80202-1129

Dear Ms. Meredith:

Attached is North Dakota's Capacity Development Program Report for State Fiscal Year 2019. The submittal is being provided to ensure compliance with Federal Register, Vol. 64, No. 24 / Friday, February 5, 1999, P. 5921, Sec. III, and B. 2.

If you have any questions regarding the submittal, please contact Rondal J. Lydon (Joe) at 701.328.5221.

Sincerely,

David J. Bruschwein, P.E.  
Director  
Division of Municipal Facilities

DJB/rjl  
Attach.

cc: Shannon Fisher  
Rondal J. Lydon (Joe)  
Gregg Stewart  
Greg Wavra  
Jennifer Berig



**State of North Dakota  
Capacity Development Program Report  
For the Ongoing Implementation of the New  
And Existing Water System Capacity Strategies**

Division of Municipal Facilities  
Environmental Health Section  
North Dakota Department of Health  
July 12, 2019

## **Introduction**

This is North Dakota's Annual Capacity Development Program Report for state fiscal year 2019 (SFY19). The report verifies ongoing implementation of both the new and existing water system capacity strategies, and that program goals are being met.

The North Dakota Department of Environmental Quality (Department) meets all SFY19 reporting requirements as it pertains to the Safe Drinking Water Act (SDWA), section 1420 (c), and the withholding of Drinking Water State Revolving Loan Fund (DWSRF) allotments.

The Capacity Development Program Report documenting ongoing implementation of new and existing capacity strategies in SFY18 was completed and submitted to the U.S. Environmental Protection Agency (EPA) Region VIII on August 14, 2017. The SFY18 report received EPA approval resulting in no SFY18 DWSRF funds being withheld.

## **Authorization**

No statutory and/or regulatory changes requiring a new Attorney General's opinion were made to North Dakota's New and Existing Capacity Program Strategies in SFY19.

## **New Systems Program**

The Department requires all new community water systems (CWSs) and new non-transient non-community water systems (NTNCWSs) to demonstrate financial, managerial, and technical capability (capacity) prior to commencing operations. The New Water System Capacity Assessment Manual outlines the

regulations and legal authority the department has to administer a capacity assurance program.

The Department continues to require that plans and specifications be submitted to the Division of Municipal Facilities (DMF) for review and that a Letter of Approval be issued by the DMF before operations commence.

Plans and specifications and the Letter of Approval represent the primary control points in the new water system capacity assurance process. No modifications have been made to North Dakota's control points in SFY19.

There were no new community water systems in SFY19.

## **Existing Systems Program**

The North Dakota Existing Water System Capacity Strategy details the steps taken to implement and maintain a capacity program aimed at assisting all North Dakota public water systems (PWSs) acquire and maintain capacity. Factors encouraging and impairing capacity remain the same. Enhancements include federal funding, DMF administration, department primacy, stakeholder involvement, and a decline in oil field activities. Impairments continue to be small systems, limited funding, and lack of technical ability, operator turnover, new members on city councils and rural water boards, and the complexity of SDWA requirements. These impairments are intensified by declining rural populations in a majority of the state.

North Dakota continues to use pertinent existing DMF programs to identify PWSs that lack capacity and are in danger of becoming a compliance problem. The point system developed for the existing system strategy utilizes SDWA compliance data, operator certification deficiencies, inspection reports, and laboratory past due accounts to evaluate system capacity. PWSs accumulating ten points or more and having the greatest impact on public health are prioritized beginning with the highest number.

North Dakota's most common compliance issues are violations under the Revised Total Coliform Rule (RTCR). Forty-seven PWSs had failure to monitor violations, twelve systems required a level I assessment, and five systems required a level II assessment. Currently, there are 117 CWSs systems with a non-certified or under-certified operator in either water treatment and/or water distribution. There are five NTNCWSs with non-certified or under certified operators in either water treatment and/or water distribution. SDWA rule violations that affect capacity are addressed through the DMF's Drinking Water program.



Two hundred ninety-five CWSs and thirty-nine NTNCWSs have received assistance thus far in this program. Forty-four of these systems have received assistance in SFY19 and are working towards regaining compliance.

As of June 30, 2019, 333/334 (99%) of the previously assisted systems are in compliance.

DWSRF 2-percent (2%) set-aside funds will be used to contract with the Midwest Assistance Program (MAP) and the North Dakota Rural Water System Association (NDRWSA) for technical assistance. MAP and NDRWSA continue to consult with and complete Capacity Reports or Compliance Monitoring Plans for public water systems identified by the Department. Capacity Reports include: a Self-Evaluation Questionnaire; a Capacity Attribute Evaluation; and a description of the corrective action(s) that the system has taken or intends to take to address the specific capacity-related issues identified by the Department. The current contracts run through December 31, 2019. The Department will continue to work with MAP and NDRWSA to assist systems with capacity improvements.

## **Future Follow Up**

The Department will continue to measure capacity improvements by using the state Quarterly Violations & SNC Summary, the operator certification compliance report, PWS inspections report, and new systems activity. The Department encourages a collaborative effort which promotes safe drinking water, public health, and quality of life.

Stakeholder involvement continues to be a key element in program success. Professional organizations, technical assistance providers, DMF staff, and other governmental agencies continue to provide expertise and timely assistance. To further promote stakeholder involvement, a copy of this report was published in the Official Bulletin, official publication of the North Dakota Water and Pollution Control Conference.

## **Summary**

North Dakota's new and existing water system capacity strategies continue to meet program goals. All SFY19 reporting requirements have been met. There were no new water systems in SFY19.

The majority of the PWSs with recent repeat violations are CWSs. Some common problems with these systems are they are small, they have only one part-time operator, there is a high operator turnover, and many city councils and

rural water boards have new members that do not understand their role in a successful water system. The Department will continue to address these needs, as well as other water system issues.

The Department will continue to monitor existing PWSs, while providing consultation, training, and financial recommendations, prior to systems becoming an enforcement problem. Implementation of new SDWA regulations that affect existing system capacity will be evaluated. Any modifications resulting from these regulations will be detailed in future reports.

**Bartlett & West**



Clean, safe and reliable water is a basic building block of a modern community.

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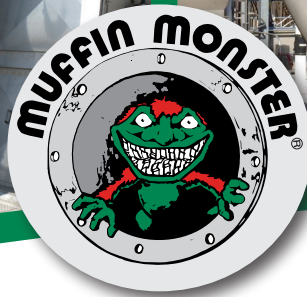




# CONFERENCE HISTORY

<u>Conference</u>	<u>Host City</u>	<u>President</u>	<u>President's Residence</u>	<u>Conference</u>	<u>Host City</u>	<u>President</u>	<u>President's Residence</u>
2019	Bismarck	Mike Berg	Bismarck	1973	Jamestown	Russell Kain	Neché
2018	Grand Forks	Tracy Eslinger	West Fargo	1972	Williston	John Muus	Grand Forks
2017	Fargo	Joe Ferguson	Grand Forks	1971	Fargo	Donald Wenaas	Jamestown
2016	Minot	Seth Lynne	Fargo	1970	Minot	Harry Hanson	Bismarck
2015	Bismarck	Dan Jonasson	Minot	1969	Bismarck	Clarence Johnson	Garrison
2014	Fargo	Dean Sletten	Moorhead	1968	Dickinson	Bevan Shaw	Williston
2013	Grand Forks	Bill Gefroh	Bismarck	1967	Grand Forks	A.E. Forsman	Grand Forks
2012	Minot	Karla Olson	Fargo	1966	Mandan	Alvin Mickelson	Casselton
2011	Bismarck	Chuck Abel	Bismarck	1965	Fargo	Ken Ruby	Fargo
2010	Fargo	Miranda Kleven	Grand Forks	1964	Minot	Al Swanson	Jamestown
2009	Minot	Lisa Ansley	Bismarck	1963	Valley City	Carl Torkelson	Grafton
2008	Bismarck	Terry Rust	West Fargo	1962	Williston	Glenn Berg	Minot
2007	Fargo	Mark Blonigen	Fargo	1961	Jamestown	Richard Fuller	West Fargo
2006	Minot	Tom Welle	Moorhead	1960	Bismarck	Frank Orthmeyer	Grand Forks
2005	Bismarck	Jack Long	Bismarck	1959	Grand Forks	Herbert Arnold	Williston
2004	Fargo	Rick Gillund	Enderlin	1958	Dickinson	L.W. Veigel	Dickinson
2003	Minot	Mike Schneider	Bismarck	1957	Fargo	Erik Peterson	Jamestown
2002	Bismarck	Pat Denne	West Fargo	1956	Mandan	Edwin Ostlie	Grand Forks
2001	Fargo	Charles Jaszowski	Bismarck	1955	Williston	Paul Hays	Minot
2000	Dickinson	Randal Loeslie	Thompson	1954	Grand Forks	C.M. Hagen	Oakes
1999	Minot	Paul Lacina	Valley City	1953	Minot	C.T. Stephenson	Jamestown
1998	Bismarck	Mel Bullinger	Bismarck	1952	Jamestown	Ed Booth	Bismarck
1997	Fargo	Wayne Tunseth	Mayville	1951	Fargo	H.H. Behlmer	Fargo
1996	Minot	Don Olafson	Valley City	1950	Bismarck	A.F. Hulteng	Grand Forks
1995	Bismarck	Waide Kritsky	Jamestown	1949	Dickinson	George Toman	Mandan
1994	Fargo	Byron Thronson	Minot	1948	Minot	R.J. Lockner	Cooperstown
1993	Minot	Joe Manning	Fargo	1947	Grand Forks	John Kleven	Grand Forks
1992	Bismarck	Tom Little	Mandan	1946	Mandan	S.K. Svenkeson	Minot
1991	Fargo	Richard Wanner	Bismarck	1945	Fargo	F.W. Pinney	Fargo
1990	Williston	Richard Resell	Williston	1944	Bismarck	Dave MacDonald	Bismarck
1989	Minot	Dwight Wurzbacher	Grand Forks	1943	Grand Forks	Joe Morrissey	Jamestown
1988	Grand Forks	Phil Furaus	Harvey	1942	Williston	Elmer Pearson	Minot
1987	Dickinson	Dale Hanson	Valley City	1941	Jamestown	R.M. Jensen	Grand Forks
1986	Bismarck	Dan Boyce	Grand Forks	1940	Wahpeton	William Nordley	Edgeley
1985	Fargo	Lyle Weeks	Minot	1939	Dickinson	William Yegen	Bismarck
1984	Williston	Kenneth Reynolds	Bismarck	1938	Minot	S.S. Calvelage	Jamestown
1983	Minot	Dale Townsend	Carington	1937	Mandan	Ora Ayliffe	Fargo
1982	Mandan	Peter Blistad	Fargo	1936	Fargo	S.P. Ravnos	Mandan
1981	Jamestown	Don Cuskely	Dickinson	1935	Grand Forks	H.T. Hingten	Wahpeton
1980	Grand Forks	Don Erikson	Watford City	1934	Bismarck	W.H. Robinson	Williston
1979	Bismarck	Ken Skuza	Fargo	1933	Jamestown	O.N. Bergman	Valley City
1978	Dickinson	Gerald Zander	Mandan	1932	Minot	E.L. Liium	Grand Forks
1977	Fargo	Keith Cornell	Grand Forks	1931	Fargo	W.P. Tarbell	Fargo
1976	Minot	Peter Melmer	Bismarck	1930	Grand Forks	E.J. Thomas	Minot
1975	Mandan	Lyle Mitzel	Wahpeton	1929	Bismarck	A.L. Bavone	Bismarck
1974	Grand Forks	Daniel Reiter	Minot				

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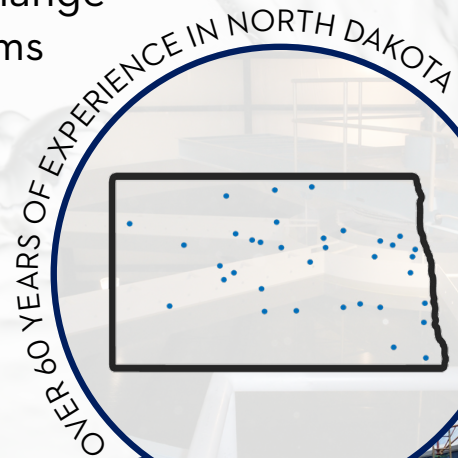
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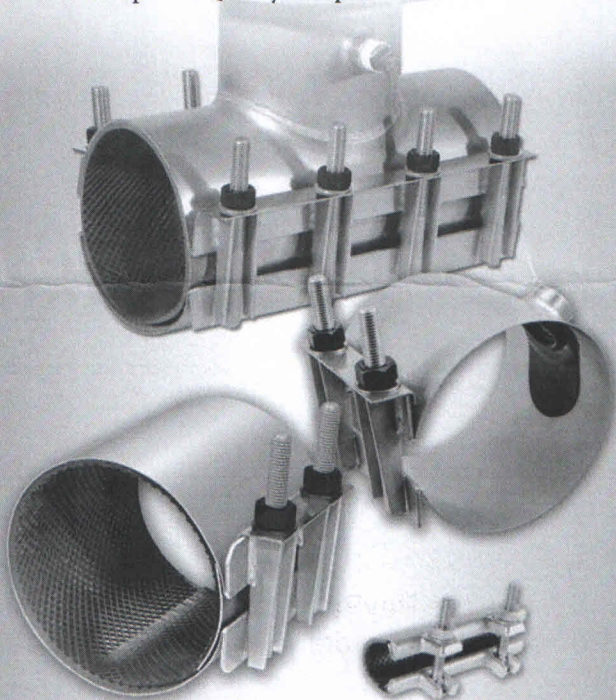
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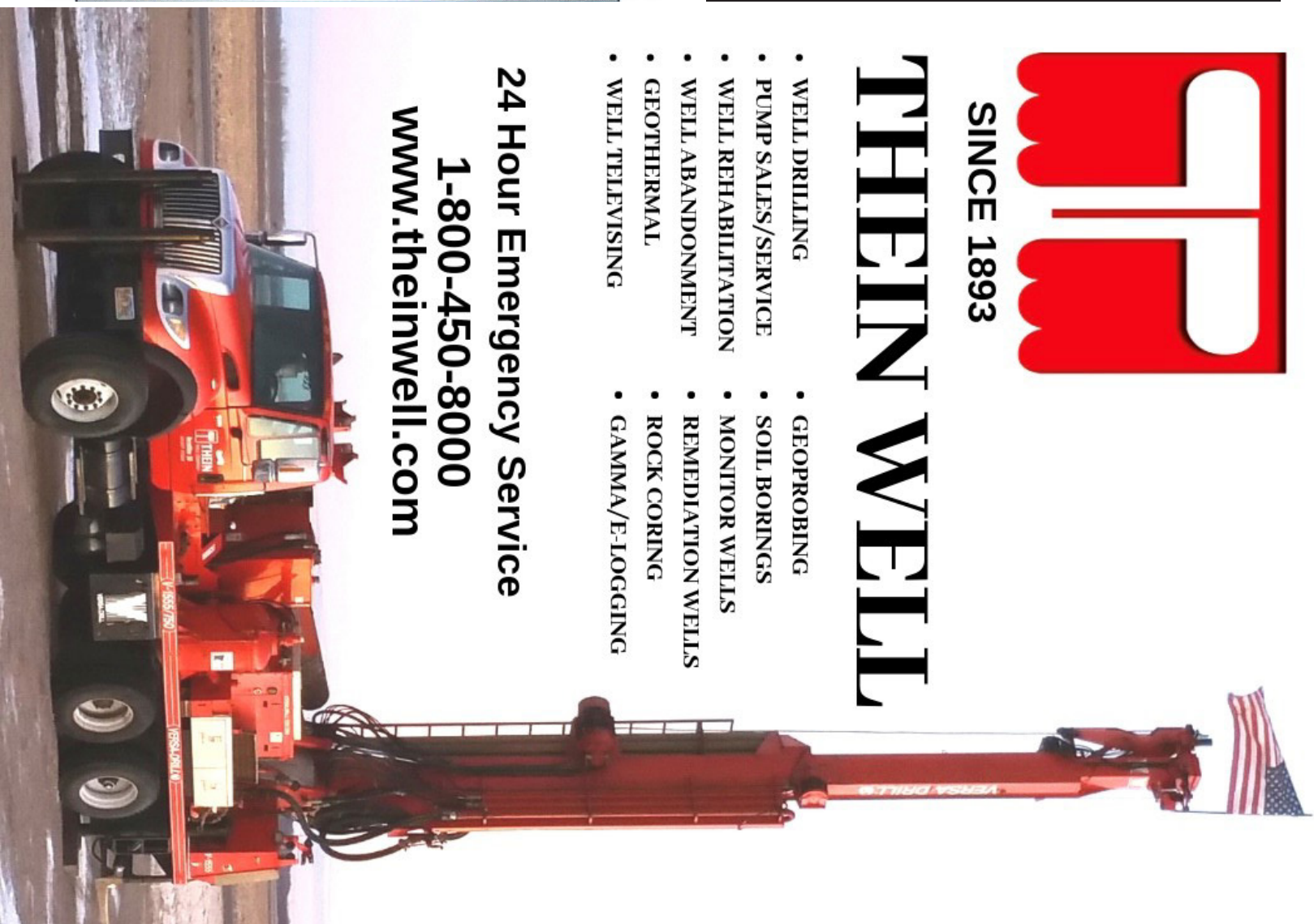
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# North Dakota Operator Certification Program 2019 Annual Report to US Environmental Protection Agency

July 12, 2019

For questions or additional information, please contact:

David J. Bruschwein, LPE, Director

Division of Municipal Facilities, 918 East Divide Avenue

Bismarck, ND 58501

701.382.5259

dbruschw@nd.gov

<https://deq.nd.gov/MF/default.aspx>

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## Introduction

In 1999, the U.S. Environmental Protection Agency (EPA) issued operator certification program guidelines specifying minimum standards for certification and recertification for the operators of community and non-transient non-community public water systems. The goal of the operator certification program is to protect human health by ensuring that skilled professionals are overseeing the treatment and distribution of safe drinking water. Operator certification is a crucial step in promoting compliance with the Safe Drinking Water Act (SDWA), and oversight of the program ensures that these steps are taken.

The State of North Dakota's Operator Certification Program (program) was approved as consistent with the *Final Guidelines for the Certification and Recertification of the Operators of Community and Non-Transient Non-Community Public Water Systems*, on September 27, 2000.

This is North Dakota's annual program report to EPA for state fiscal year 2019. In accordance with the guidelines, this report addresses the status and continued implementation of North Dakota's program for the 9 Baseline Standards for both community and non-transient non-community water systems. The nine program components are:

1. Authorization
2. Classification of systems, facilities and operators
3. Operator qualifications
4. Enforcement
5. Certification renewal
6. Resources needed to implement the program
7. Recertification
8. Stakeholder involvement
9. Program review

## 1. Authorization

The State of North Dakota's Department of Environment Quality (ND DEQ), Division of Municipal Facilities (DMF), has been delegated responsibility for the oversight of public water systems in the State of North Dakota to ensure compliance with and enforcement of the provisions of the North Dakota Century Code (NDCC) Title 23.1 and the North Dakota Administrative Code (NDAC) Article 33.1-19.

There has been a statutory and/or regulatory change that required a new Attorney General's certification for the North Dakota's Operator Certification Program in state fiscal year July 1, 2018 to June 30, 2019. The North Dakota's Department of Health's Environmental Health Section became its own department, and it is now known as the North Dakota Department of Environmental Quality.

## 2. Classification of Systems, Facilities, and Operators

## Public Water Systems

DEQ is responsible for classifying all public water system treatment and distribution system facilities in accordance with the provisions of NDAC Article 33.1-19-01-08 and 08.1. Treatment classification is based on specific design features that include treatment processes and their complexity, source water type and design capacity. Distribution systems are classified by the population served. Water treatment facilities are classified as Class IA, Class I, Class II, Class III, or Class IV. Class IV is the highest level of classification. Water distribution systems are classified as Class IA, Class I, Class II, Class III, or Class IV. Class IV is the highest level of classification.

## Certified Operator

NDAC Article 33.1-19-01-03 and 11 requires every water and wastewater facility to be operated under the supervision of a certified operator in responsible charge who holds a certificate equal to or greater than the classification of the facility, and an operator holding a Class II classification or higher is considered to have responsible charge. All operator names, identification and classification of PWS, and operator classifications are tracked in Microsoft Office's Access Database System. The regulation also reserves all process control and system integrity decisions to the certified operator in responsible charge or another operator holding a certificate equal to or greater than the classification of the facility in accordance with our North Dakota New Water System Capacity Assessment Manual. The certified operator in responsible charge or another operator who holds a certificate equal to or greater than the classification of the facility must be available at all times during operating hours of a water treatment or distribution facility.

Compliance with operator certification requirements is North Dakota's Safe Drinking Water Program priority. Table 1 represents the systems in compliance with the certified operator requirements.

**Table 1 – System Compliance Rates**

Non-compliance is a result of one of the following circumstances:

1. A certified operator has not been designated by the system's owner.
2. The operator's certificate has expired.
3. The operator's certificate is not at the correct level for the facility they are operating.

	<b>Number of Facilities</b>	<b>In-Compliance</b>	<b>Compliance Rate</b>
<b>Community Treatment</b>	121	42	35%
<b>Community Distribution Systems</b>	326	288	88%
<b>Non-Transient Non-Community Treatment</b>	4	3	75%
<b>Non-Transient Non-Community Distribution Systems</b>	8	4	50%
<b>Total System Compliance</b>	455	337	74%

### 3. Operator Qualification

#### Active Operators

The State of North Dakota requires that each operator must have a High School Diploma or GED and have a defined minimum of on-the-job experience before taking an examination, and each operator must pass an exam appropriate for the classification to which they are applying. The state also requires separate treatment and distribution certificates. Active drinking water certificate counts are listed by category in Table 2. Many operators hold multiple certificates. All exam questions are validated prior to inclusion in current exams. Lastly, North Dakota does not utilize third party examinations.

There were 1,240 certified operators with 492 treatment certificates and 747 distribution certificates.

In North Dakota, an operator holding a Class II classification or higher is considered to have direct responsible charge, and in state fiscal year 2019, DEQ mailed 246 letters notifying systems that they were under certified or had not certification.

**Table 2 – Active Operator Certificates**

Grade	Water Treatment	Water Distribution
IA	138	195
I	75	252
II	177	159
III	92	71
IV	99	29

#### Exam Pass Rates

Successfully passing exams is vital to maintain a steady workforce of certified operators, and for this reason, DEQ has chosen not to utilize third party sources to conduct examinations.

**Table 3 – Exam Pass Rates**

Water Treatment			Water Distribution		
Level	Number of Exams	Pass Percentage	Level	Number of Exams	Pass Percentage
IA	19	53%	IA	37	92%
I	34	38%	I	47	57%
II	24	67%	II	27	100%
III	17	41%	III	11	75%
IV	13	69%	IV	5	40%



The average pass rate treatment exams was 51% percent, and the average pass rate for distribution was 65% percent. The overall pass rate for water treatment and distribution for state fiscal year 2019 was 59% percent, and the overall pass rate for water treatment and distribution for state fiscal year 2018 was 65%. The program has not made any changes that would explain the 6% drop in exam pass rates for the reporting year. The drop is due to North Dakota having approximately 98% of the PWSs are small systems (i.e. PWSs with populations  $\leq$  3,300 customers). These small systems employ only one water operator with water operations being only a part of their overall responsibilities (e.g. mowing, clearing roads, and animal control). Operators are generally lost due to retirement or resignation with recruitment of qualified operators hampered by declining population and financial constraints.

Additionally, the amount of fluctuation is due to several of factors. First, many of the systems are very small and purchase their water, so they are only required to have a certified operator for distribution. Second, for many operators the care of the systems is not their primary employment, especially in smaller systems, and they feel it is not worth getting certified. Finally, many systems' certified operators have retired or taken other jobs and their replacements are working with the DEQ to become compliant. These factors combined influence operator certification numbers now and for the foreseeable future.

### **Operator Certification-Capacity Development Partnership**

MAP (Midwest Assistance Program) and NDRWSA (North Dakota Rural Water Systems Association) work in partnership with the DEQ. The partnership reaches operators and system owners on a grassroots level to improve compliance, enhance water quality, better position a system managerially, financially, and technically for the future and to protect public health. MAP and NDRWSA purpose are to provide technical, management, and financial assistance, by conducting one-on-one and group trainings to public water systems so they can strengthen their ability to supply safe drinking water to the public and to protect their source water.

The division has increased outreach to operators in an effort to address the identified areas of concern:

- The Division sponsors no or low-cost trainings offered in multiple sites across the state with a focus on operations, math, and regulations.
- MAP and NDRWSA provided 22 on-site, individual operator training sessions at no cost and classroom style training sessions and presentations.
- Division compliance, operator certification, and engineering staff regularly present at conferences, seminars, and other training venues throughout the state on various regulatory compliance topics.
- MAP provides support for North Dakota's Water and Wastewater Agency Response Network (NDWARN) and works with DEQ to provide systems and operators with emergency preparedness and response training.

### **Grandparenting**

North Dakota did not implement the provisional, temporary, or grandparenting options, and North Dakota requires that all affected PWSs employ operators certified at an appropriate level under North Dakota Administrative Code (NDAC) Article 33.1-19-01-03 and 11.

## **4. Enforcement**

### **Facility Enforcement**

Article 33-17, North Dakota Public Water Supply Systems, of the NDAC and NDCC Chapter 61-28.1 provide the statutory authority to issue an Administrative Order for violations of SDWA regulations. The Department has the authority to bring this action pursuant to NDCC Chapter 61-28.1-03.

In state fiscal year 2019, there were 2005 certifications, 13 certifications were revoked, and there are 103 certifications that were in the process of being revoked.

Lastly, North Dakota does not suspend licenses. In the program, operators are either active or revoked [i.e. deceased, lack of continuing education credits (CECs), or non-payment of fees].

### **Operator Disciplinary Action**

In state fiscal year 2019, no enforcement action was needed based solely on operator certification.

## **5. Certificate Renewal**

### **Certificate Renewal and Professional Development**

NDCC Chapter 23.1-07 provides the Department the legal authority to promulgate rules necessary to administer an operator certification program. A certificate issued under these provisions is valid for one year and expires the first of July the following year.

The Department is authorized to charge an examination fee not to exceed \$50 for initial certification, or more than \$25 for annual renewal. Certification fees are currently set at \$10 per examination and \$5 per certificate of renewal. Renewal notifications, reimbursement cards, and six-month reminder letters are sent each renewal period. Operators have one year to make payment or return a signed reimbursement waiver before certification is revoked, and operators are required to earn twelve continuing education credits (CECs) by attending training programs, seminars, and workshops developed or officially recognized by the DEQ within three years of certification date. If any operator fails to meet any requirement of the aforementioned requirements, then, DEQ revokes their certification and does not suspend certifications.



**Table 4 –Operator Renewing Certificates**

<b>Grade</b>	<b>Water Treatment</b>	<b>Water Distribution</b>
IA	79	162
I	68	237
II	137	159
III	77	83
IV	99	33

Sixty-seven courses were approved for operator professional development, and approximately 850 attended the training courses. Many of these classes were held multiple times within state fiscal year 2019. The price for each course varies from no charge, to several hundred dollars for multiple day training events.

Trainers submit applications for CECs training courses to be approved by the DEQ, and upon completion of the training courses by the operators, the course is entered into the database. Trainings that we know about in advance (e.g. MAP and NDRWSA) are provided on our website at <https://deq.nd.gov/MF/> and on our website calendar at <https://deq.nd.gov/calendar.aspx>.

## **Resources Needed to Implement the Program**

Program resources continue to be provided through the collaborative effort of existing DEQ programs and stakeholder involvement. The experience and expertise of program staff, technical assistance providers, and the many professional organizations involved contribute to and enhances program success.

DEQ continues to provide financial assistance through State funded Operator Expense Reimbursement, Drinking Water State Revolving Loan Fund (DWSRF) two percent (2%) set-aside, and Public Water System Supervision Program.

NDCC 23.1-07-05 allows the DEQ to charge a fee for certificates issued under this chapter, but the fees may not exceed fifty dollars for the initial certificate, or twenty-five dollars for the annual renewal certificate. All receipts from the fees must be deposited in the state treasury to be credited to a special fund to be known as the "operators' certification fund" to be used by the department to administration and enforcement and financially assist the department in conducting operator training programs. Any surplus at the end of the fiscal year must be retained by the department for future expenditures.

Operator certification fees do not fund agency staff. All agency staff funding is provided through state general funds, general program fees, and various federal grants. The division has one full-time employee dedicated to operator certification. In addition, compliance is checked by the drinking water and enforcement staff during on-site by field inspections (i.e.

sanitary surveys). Facility classification is done at the time of design review by engineering section staff. The division's data system, management, and administrative staff members provide necessary support for the program as well. In total, there are three division staff members with responsibilities or input related to the certified operator program, and there has not been a decrease or increase of the aforementioned staff members. Under the current organization, North Dakota has sufficient resources to implement its operator certification program now and into the future.

## **6. Recertification**

Certificates are valid for one year from the date of issue. Once an operator's certificate has expired, they are no longer certified. A certificate may be restored, through renewal, for up to one year after the expiration date. A certificate is automatically revoked after one year from the expiration date of the certification (July 1 on any year). Subsequently, if the person desires to be re-certified they are treated as a new applicant for certification and must sequentially re-test.

## **7. Stakeholder Involvement**

### **Rulemaking**

Stakeholder involvement continues to be a critical element instrumental to program success.

DEQ and the North Dakota Water and Pollution Control Conference (NDWPCC) continue to offer annual training sessions at the Department's environmental training center. The NDWPCC also jointly sponsored the 90th Annual NDWPCC conference with the North Dakota Water Environment Association (NDWEA), the North Dakota Chapter of the American Water Works Association (NDAWWA), the North Dakota Chapter of the American Public Works Association (NDCAPWA), and the North Dakota Chapter of the North American Stormwater and Erosion Control Association (NASECA). The North Dakota Rural Water Systems Association (NDRWSA) and North Dakota Environmental Health Association (NDEHA) also continue to provide annual training, conferences, and expositions.

The Department continues to contract with the North Dakota State Plumbing Board, local/district health units, and technical assistance providers such as the North Dakota Rural Water System Association (NDRWSA) and the Midwest Assistance Program (MAP). Contracts with the State Plumbing Board and health units provide continued support to the public water supply and inspection programs. Contracts continue with the technical assistance providers to help systems with fiscal management reports, capacity development, sanitary survey follow-up visits, operator certification, compliance monitoring in accordance with Stage 2 Disinfectants and Disinfection Byproducts Rule, and RTCR Level One and Level 2 Assessments. Also, the NDRWSA, MAP, and NDAWWA will continue to provide additional training events for operators.

Operators had the opportunity to attend one annual conferences, four water treatment and distribution workshops, two wastewater treatment and collection training sessions, two field pH

certification workshops, one AWWA small systems training, the Rural Water Expo, four MAP emergency response trainings, four MAP half-day regional training, and 14 NDRWSA training sessions. The Rural Water Expo and NDRWSA sessions were attended by a total of 750 operators. NDRWSA sessions included: operator certification, exam training, operations and maintenance training, DEQ Regulatory training, GIS/GPS training, and funding training.

One-hundred and seventy-eight small system operators requested operator expense reimbursement for thirty-four events in state fiscal year 2019.

### **Drinking Water Meeting Groups**

DEQ holds two meetings annually. One is internal that is conducted in September of every year, and its members consist of seven DEQ staff members. The external meeting is held in October of every year, and its members consist of four water/wastewater operators DEQ staff member, utility manager, conference representative, a representative of the public, and a technical assistance provider.

### **Water newsletter**

DEQ publishes the Official Bulletin (OB) three times a year (i.e. beginning of July, end of September, and beginning of January of each state fiscal year), and the publication is sent to approximately 800 individuals that consists of regulators, consulting firms, communities, and a handful of colleges and universities.

Each newsletter contains at least one article specifically focusing on operator certification topics of interest and any changes to regulation, and other articles are provided by consulting firms. The OB also provides the minutes from internal and external board meetings.

## **8. Program Review**

The North Dakota Operator Certification Advisory Committee completed an external review October 18, 2017 in association with the 89th Annual NDWPCC Conference. An internal review by DEQ Drinking Water and Operator Certification Program staff was held September 13, 2018, and another is scheduled for September of 2019. Minutes of both meetings are attached. DEQ continues to work toward developing a standardized approach to conducting both internal and external reviews.

## **9. Conclusion/Summary**

The State of North Dakota's facility operator certification program is meeting the requirements for the nine Baseline Standards for community and non-transient non-community water systems in accordance with the guidelines.



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**ND Rural Water Systems Association-47** **Eric Volk**  
2718 Gateway Ave #201 701-258-9249  
Bismarck, ND 58503 FAX 701-258-5002  
lschak@ndrw.org

North Dakota Rural Water Systems Association (NDRWSA) is a nonprofit trade association formed in 1974. NDRWSA exists to enhance the quality of life in small communities by providing training, technical assistance, and representation to public water and wastewater utilities while maintaining environmental integrity. We have six field personnel that provide assistance with leak detection, curbstop and valve location, poly-pigging (water & sewer), sewer smoke testing, sewer camera work, operator certification preparation, and much more. The staff at NDRWSA is ready, willing, and able to help twenty-four hours a day, seven days a week, 365 days a year.



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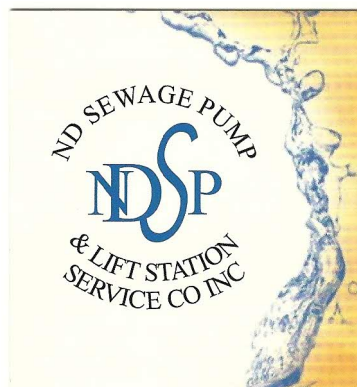
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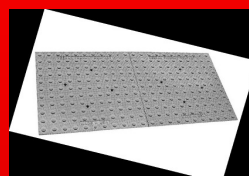
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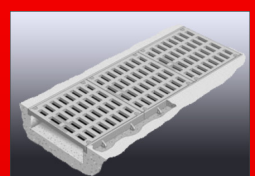
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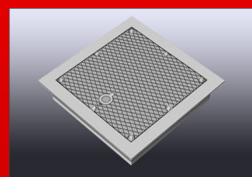
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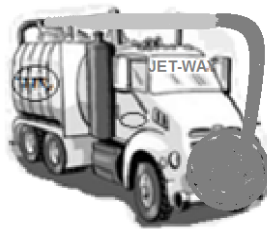
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## **Dickinson and Grand Forks receive Clean Water State Revolving Fund loans**

BISMARCK, N.D. – The North Dakota Department of Environmental Quality announced today that its Clean Water State Revolving Fund (CWSRF) Program awarded loans to two cities in July.

- Dickinson - \$2,370,000 for upgrades to Lift Station No. 1 to ensure current and future residents have continued wastewater service.
- Grand Forks - \$1,425,000 for improvements to the city's wastewater treatment facility.

The U.S. Environmental Protection Agency provides part of the funding for the CWSRF Program, which offers below-market interest rate loans to political subdivisions for financing projects authorized under the Clean Water Act. CWSRF programs operate nationwide to provide the funding necessary to maintain and improve the infrastructure that protects our vital water resources.

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### **For more information, contact:**

Elizabeth Tokach-Duran, Program Manager  
Clean Water State Revolving Fund Program  
918 East Divide Ave | Bismarck, ND 58501-1947  
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# # #

**NEWS RELEASE** | **FOR IMMEDIATE RELEASE** | July 23, 2019

## **Cavalier and Riverdale receive Drinking Water State Revolving Fund loans**

BISMARCK, N.D. – The North Dakota Department of Environmental Quality announced today that its Drinking Water State Revolving Fund (DWSRF) Program awarded loans to two cities in July.

- Cavalier - \$3,095,000 for construction of a water tower and replacement of cast iron water mains. The project will ensure the water supply is safely stored and transported.
- Riverdale - \$1,961,000 for replacement of a water tower and asbestos cement pipe to safeguard water storage and transport.

The U.S. Environmental Protection Agency provides part of the funding for the DWSRF Program, which offers below-market interest rate loans to political subdivisions for financing projects authorized under the Safe Drinking Water Act. DWSRF programs operate nationwide to provide the funding necessary to maintain and improve the infrastructure that protects our vital water resources.

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**For more information, contact:**

Shannon Fisher, Program Manager  
Drinking Water State Revolving Program  
918 East Divide Ave | Bismarck, ND 58501-1947  
PHONE: 701-328-5220 | EMAIL: [smfisher@nd.gov](mailto:smfisher@nd.gov)

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# # #



## REGISTRATION FORM

Joint Meeting of the  
North Dakota Water & Pollution Control Conference  
North Dakota Chapter of the American Public Works Association  
North Dakota Water Environment Association  
North Dakota Section of the American Water Works Association  
North Dakota Chapter of the North American Stormwater and Erosion Control Association  
October 8, 9, and 10, 2019, Ramkota, Bismarck, North Dakota (701) 258-7700

**COMPLETE AND RETURN TO:**  
NDWPCC  
2639 East Main Ave  
Bismarck, ND 58501  
Phone: 701-328-6627

### A. REGISTRANT INFORMATION

(Use only one name per registration) (Please Print or Type)

First Name \_\_\_\_\_

Last Name \_\_\_\_\_

Addr. Line 1 \_\_\_\_\_

Addr. Line 2 \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

Job Title \_\_\_\_\_

Employer \_\_\_\_\_

Work Phone No. \_\_\_\_\_

Fax Phone No. \_\_\_\_\_

Email \_\_\_\_\_

### D. GUEST REGISTRATION

First Name \_\_\_\_\_

Last Name \_\_\_\_\_

Tues. Luncheon (\$15.00) \_\_\_\_\_

Tues. Buffet (\$25.00) \_\_\_\_\_

Wed. Buffet Breakfast (Free) \_\_\_\_\_

Wed. Luncheon (\$15.00) \_\_\_\_\_

Wed. Evening Banquet (\$45.00) \_\_\_\_\_

Thurs. Luncheon (\$15.00) \_\_\_\_\_

### E. WORKSHOPS – The Power of Partnership: Sharing Resources

(Please indicate attendance)

Yes	No	<b>Monday</b>
<input type="checkbox"/>	<input type="checkbox"/>	<b>9:00 a.m. – 4:30 p.m.</b>

### B. REGISTRATION TYPE

Reg. Fee \_\_\_\_\_

☐ Package\* (\$200.00)    ☐ Individual (\$85.00)

☐ Student (\$10.00)

\*Packages include reg. fee, banquet, buffet, and luncheons

\*

### F. TOTAL PAYMENT DUE:

(Enter appropriate payment below)

Please bill us \_\_\_\_\_

Our check is enclosed \_\_\_\_\_

#### MAKE CHECKS PAYABLE TO:

**ND Water & Pollution Control Conference or NDWPCC**

### C. INDIVIDUAL MEAL FEES (Included in Package Registration)

Tues. Luncheon (\$15.00) \_\_\_\_\_

Tues. Buffet (\$25.00) \_\_\_\_\_

Wed. Buffet Breakfast (Free) \_\_\_\_\_

Wed. Luncheon (\$15.00) \_\_\_\_\_

Wed. Evening Banquet (\$45.00) \_\_\_\_\_

Thurs. Luncheon (\$15.00) \_\_\_\_\_

### G. CHECK ALL THAT APPLY

Yes    No

☐    ☐ Do you plan to participate in the golf tournament? If so, indicate your average score or handicap. \_\_\_\_\_  
Hawktree will be charging \$67.00 for green fee/cart and \$10/person prize fund.

☐    ☐ Do you plan to attend the pH certification?

(over)

**H. Bismarck Public Facilities Tours** (Please indicate attendance)

Yes      No

Tuesday 2:00 p.m. - 4:00 p.m.

☐      ☐      Bismarck Wastewater Plant and  
Master Lift Station

**J. FOR CONFERENCE USE ONLY**

Cash \_\_\_\_\_

Check \_\_\_\_\_

Charge \_\_\_\_\_

Date \_\_\_\_\_

Amount \$ \_\_\_\_\_

Invoice # \_\_\_\_\_

☐ Paid      ☐ Entered      ☐ Conference Database



# SAVE THE DATE!

**2020**

*Your Source for Water Wisdom*

## **SURFACE WATER TREATMENT WORKSHOP**

April 28-30 | Radisson Hotel | Downtown Fargo, ND



**American Water Works  
Association**

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OFFICIAL BULLETIN, July-September 2016

Drinking Water Program Directory		
<b>Program Administrator</b>	Greg Wavra	701-328-5257
Acrylamide and Epichlorohydrin Rule	Jacob Stokes	701-328-6621
Arsenic Rule	Alexis Delzer	701-328-5258
Consumer Confidence Reports	LeeAnn Tillotson	701-328-5293
Disinfectant/Disinfection Byproducts Rule (TTHM, HAA5) Stage 1 and Stage 2 Rule	Tammy Lamphears	701-328-5295
Electronic Reporting Information System (ERIS)	All Staff	701-328-5211
Filter and Backwash Recycle Rule	Jacob Stokes	701-328-6621
Fluoride Addition	Stacey Herreid	701-328-5287
Groundwater Rule	Jeni Walsh Jacob Stokes	701-328-5231 701-328-6621
Inspections: Northeast	Gregg Stewart	701-328-6621
Inspections: Northwest	Mike Trythall	701-328-5269
Inspections: Southeast	Jacob Schafer	701-328-6375
Inspections: South Central	Bob Markhouse	701-328-6623
Lead and Copper Rule	Alexis Delzer	701-328-5221
Surface Water Treatment Rule: Interim Enhanced, Long Term 1 Enhanced, Long Term 2 Enhanced	Stacey Herreid Mike Trythall	701-328-5287 701-328-5269
Microscopic Particulate Analysis (MPA)	Jacob Stokes	701-328-6621
Nitrate/Nitrite Program	Tammy Lamphear	701-328-5295
Operator Certification	Craig Bartholomay	701-328-6626
Operator Expense Reimbursement/Public Notice Rule	LeeAnn Tillotson	701-328-5293
Operator Training	Shawn Heinle	701-328-6627
Pesticides (SOCs)	Mike Trythall	701-328-5269
Primary and Secondary Inorganics	Jacob Stokes	701-328-6621
Public Water System Updates (changes to source, treatment, contact, etc.)	Tammy Lamphear	701-328-5295
Radionuclide Rule: Gross Alpha, Total Radium, Uranium	Stacey Herreid	701-328-5287
Total Coliform Rule	Jeni Walsh Josh Seerup	701-328-5231 701-328-5257
Unregulated Contaminant Monitoring	LeeAnn Tillotson	701-328-5293
Volatile Organic Chemicals (VOCs)	Mike Trythall	701-328-5269
<b>Central Phone: 701-328-5211</b> <b>Fax: 701-328-5200</b>		
North Dakota Pollutant Discharge Elimination System Program Directory		
<b>Program Administrator</b>	Marty Haroldson	701-328-5234
Animal Feeding Operations	Brady Espe Rachel Strommen Jeremy Lang	701-328-5228 701-328-5244 701-328-5219
Biosolids	Sarah Waldron-Feld	701-328-5237
Construction Stormwater	Dallas Grossman Duane Sandvick Samantha Swanberg	701-382-5242 701-328-5260 701-328-5283
Dewatering and Hydrostatic Testing	Sarah Waldron-Feld	701-328-5237
Discharge Monitoring Reports (DMRs)	All Staff	701-328-5210
DMR Quality Assurance (QA) Study	Marty Haroldson	701-328-5234
Industrial Pretreatment	Jeff Roerick Duane Sandvick	701-328-5240 701-328-5260
Industrial Stormwater	Dallas Grossman Patrick Schuett	701-328-5242 701-328-5235
Inspections	All Staff	701-328-5210
Lagoon Overflows/Releases/Spills	All Staff	701-328-5210
MS4 Stormwater	Dallas Grossman Duane Sandvick	701-328-5242 701-328-5260
Public Notices/NDPDES Permits	All Staff	701-328-5210
Septic Pumper	Sarah Waldron-Feld	701-328-5237
Wastewater Discharge Approvals	All Staff	701-328-5210
<b>Central Phone: 701-328-5210</b> <b>Fax: 701-328-5200</b>		





**American Water Works  
Association**

*Dedicated to the World's Most Important Resource™*



### **BIOGRAPHICAL BACKGROUND**

**Elizabeth Carter, P.E., PMP  
Vice-President (2019-2021)  
American Water Works Association**

Elizabeth is Principal Engineer at Aurora Water in Aurora, Colorado. With over 30 years of experience in the water industry, Elizabeth has been an active member of AWWA since 2004.

Elizabeth has many years of involvement at the Section level, starting as Small Systems Committee Chair in 2004, and after holding several leadership positions, she became Chair of the Rocky Mountain Section in 2011. She was honored with AWWA's George Warren Fuller Award in 2016 and received the Rocky Mountain Section's Lyle D Herman Award for Distinguished Service in 2013. On the Association level, she is serving on the Board of Directors as the Rocky Mountain Section Director and Vice President. She is also a member of the Project Management Institute.

Elizabeth holds a BS degree in Civil Engineering from Texas A&M University and 30 credit hours towards a Masters of Science Program in Water Quality from the University of Colorado. She is also a licensed Professional Engineer (P.E.) in the State of Colorado and a certified Project Management Professional.

## Official Bulletin

N.D. Water & Pollution Control Conference  
Environmental Training Center  
2639 East Main Avenue  
Bismarck, ND 58501

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### 2019 Honor Award

ACEC/MN Engineering Excellence Awards

Interconnect Wastewater Project | Grand Forks/East Grand Forks

## Municipal Services

Wastewater Systems

Water Systems

Streets and Storm Sewers

Wetland Delineation/Mitigation

Solid Waste/Landfills

Site Grading and Drainage Plans

Flood Control

Groundwater Studies

Airport Improvements



Engineering | Architecture | Surveying | Environmental

[WidethSmithNolting.com/Interconnect](http://WidethSmithNolting.com/Interconnect)

701.795.1975 | Grand Forks, North Dakota