

NORTH DAKOTA WATER AND POLLUTION CONTROL CONFERENCE

NDWPC

OFFICIAL BULLETIN

January-June 2010

VOLUME 96 • NUMBERS 1-6

SPRING ISSUE

Scenes from Operator Training 2010

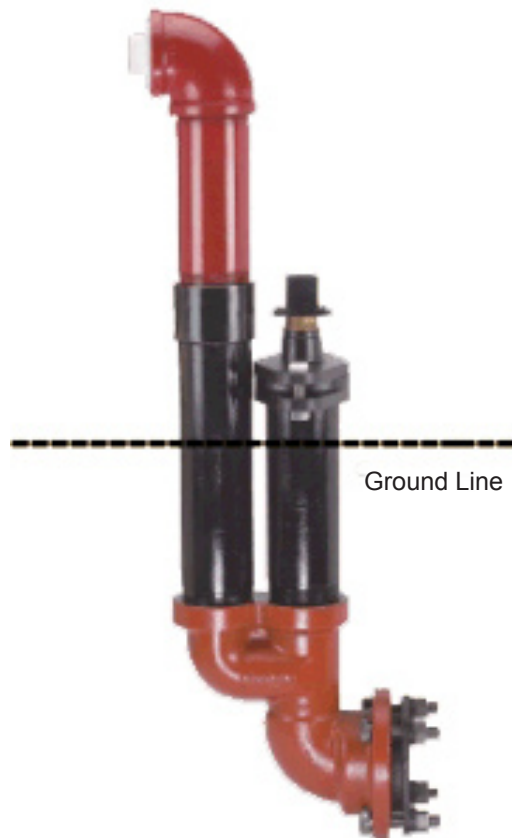


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OFFICIAL BULLETIN

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INDEX TO ADVERTISERS

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FIRM	PAGE
AE2S, Inc.....	4, 19
Bartlett & West.....	20
Electric Pump, Inc.....	9
Engineering America.....	12, 18
Ferguson Waterworks.....	inside front cover, 15
Ford Meter Box.....	12
Hawkins Water Treatment Group.....	15
Houston Engineering, Inc.....	20
Hughes Lift Station Services, Inc.....	12
Kadmas, Lee & Jackson.....	13, 15
KLM Engineering, Inc.....	inside back cover
Mid America Meter, Inc.....	15
Moore Engineering, Inc.....	14, 24
ND Sewage Pump Co.....	4
Sweeney Controls Company.....	inside back cover
Tonka Equipment Company.....	24
Ulteig Engineers.....	4, back cover
Widseth Smith Nolting.....	15
Wold Engineering, P.C.....	11

TABLE OF CONTENTS

SUBJECT	PAGE
Total Trihalomethanes Sample Results for Systems Using Lake Sakakawea or Missouri River Water.....	2
50th Annual Water and Wastewater Operator Training Program.....	5
Attendance Roster: 50th Annual Water and Wastewater Operator Training Sessions.....	6
Operator Certification Exams Scheduled.....	9
Operators Pass Exams March 3 - April 21, 2010.....	9
The BiO2 Solution.....	12
Governor Hoeven Proclaims Drinking Water Week.....	16
Governor Hoeven Proclaims Public Works Week.....	17
NDWPCC Joint Board Meeting Minutes, February 10, 2010.....	21
Minutes of the Winter Board of Trustees Meeting, North Dakota Section of the American Water Works Association, February 10, 2010.....	22
Minutes of the Statewide ND Water/Wastewater Agency Response Network (NDWARN), February 19, 2010.....	24
North Dakota Water Environment Association Executive Committee Meeting Minutes, February 10, 2010.....	26
APWA North Dakota Chapter Executive Committee Meeting Minutes, February 10, 2010.....	27
North Dakota Water Environment Association Executive Committee Meeting Minutes, May 26, 2010.....	28
Mapping Ground Water Rule Requirements: Introduction to the Rule.....	29
Program Directories.....	32

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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*

On the Cover: The background cover photo was taken by Sue B. Balcom of the North Dakota Department of Agriculture. The operator training photos were taken by Darin Billing of the North Dakota Department of Health.

To receive the *Official Bulletin* electronically, email Katie Luther at kcluther@nd.gov, or call 701-328-5258. If you no longer wish to receive a paper copy, email Darin Billing at dbilling@nd.gov, or call 701-328-6624.

To access past issues of the *Official Bulletin* on the web, go to: <http://www.ndhealth.gov/MF/>, and click on "publications."

Total Trihalomethanes Sample Results for Systems Using Lake Sakakawea or Missouri River Water

By Bob Markhouse, North Dakota Department of Health, Municipal Facilities

Over the last ten years, surface water systems using the Missouri River or Lake Sakakawea have submitted more than 840 samples that were analyzed for Total Trihalomethanes (TTHM). This article presents the TTHM sample results. It is hoped that the information presented in this article will give engineers and water systems additional information that will help them when modifying existing water treatment processes or when designing new water treatment facilities.

Individual graphs were created for each water system from information obtained from the Safe Drinking Water Information System (SDWIS) maintained by the North Dakota Drinking Water Program. The points on the graph represent average sample results for that period. Some systems take one sample per period while other systems may take four samples per period. Trend lines were also included with each graph. Trend lines are either linear or polynomial (order=4) using Microsoft Excel 2007. It should be noted that during the ten year period, systems often made both minor and major changes to their treatment processes. Of particular interest are systems that changed from chlorine disinfection to chloramines. Systems switching from chlorine disinfection to chloramine disinfection have seen substantial reductions in total trihalomethanes.

While the overall quality of water in the Missouri River system is good, systems wishing to practice breakpoint chlorination will face challenges in keeping TTHM levels below the 80 parts per billion (.08 milligrams per liter) maximum contaminant level (MCL).

Notes:

- System 1. Shares an intake with System 10. Taking one sample per quarter.
- System 2. Taking four samples per quarter.
- System 3. Taking one sample per quarter since June 2007.
- System 4. Using a reverse osmosis system for potable water in 2009. Currently taking one sample per quarter.
- System 5. Taking one sample per quarter since June 2006.
- System 6. Yearly sample.
- System 7. Changed to chloramines in 2006. Currently taking one sample per quarter.
- System 8. Taking four samples per quarter.
- System 9. Changed to chloramines and membrane treatment in 2006. Taking four samples per quarter.
- System 10. Taking one sample per quarter.
- System 11. Low flows in river during spring 200, impacted TTHM sample. Taking four samples per quarter since September 2009.
- System 12. Changed to chloramines in 2006 and modified treatment.

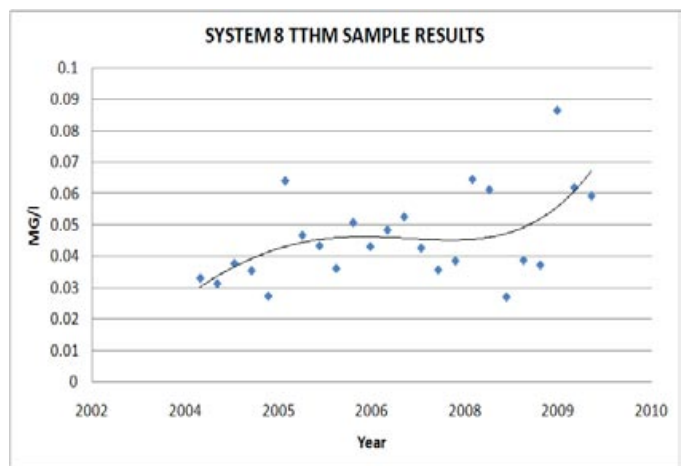
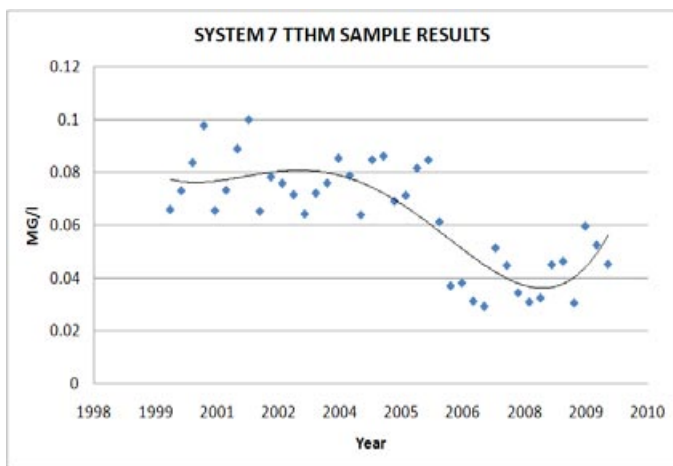
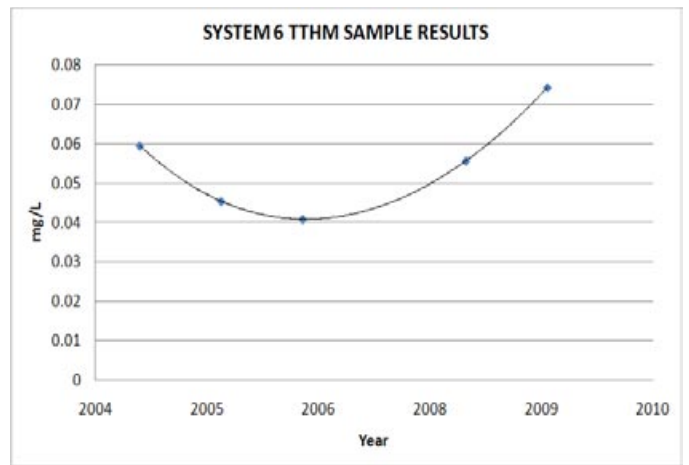
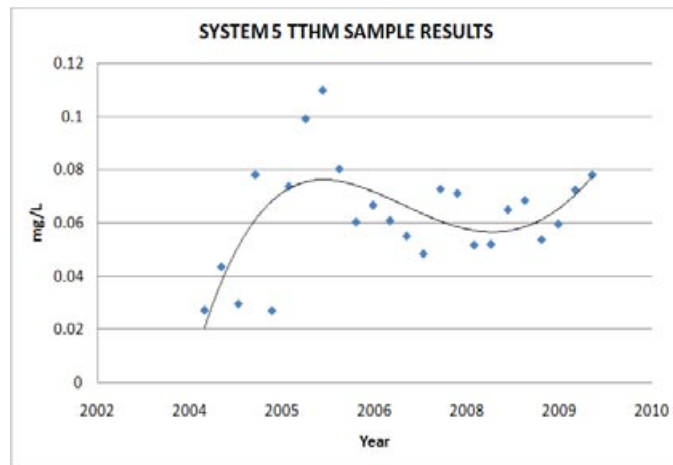
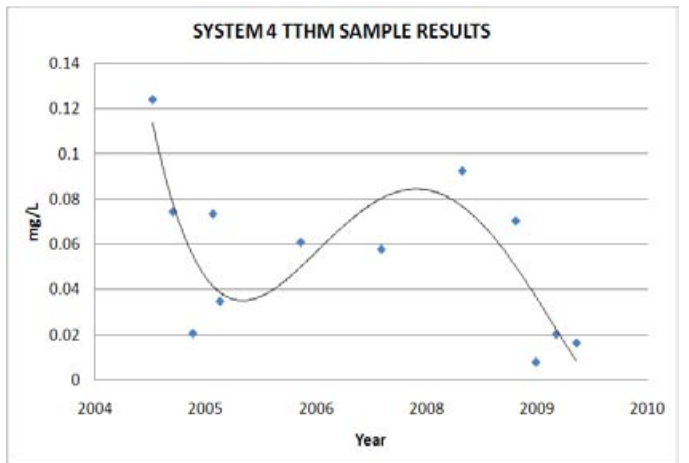
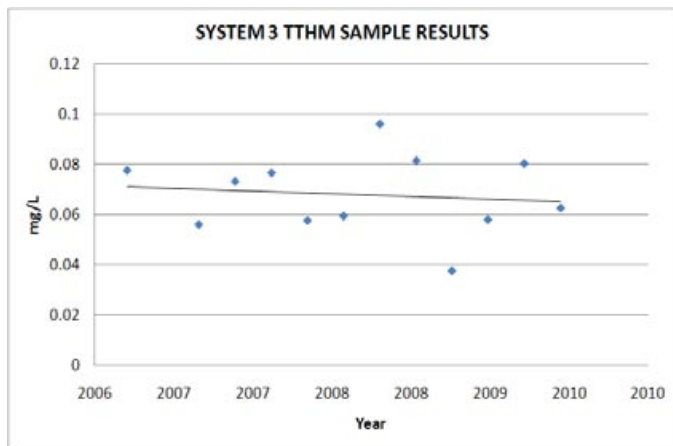
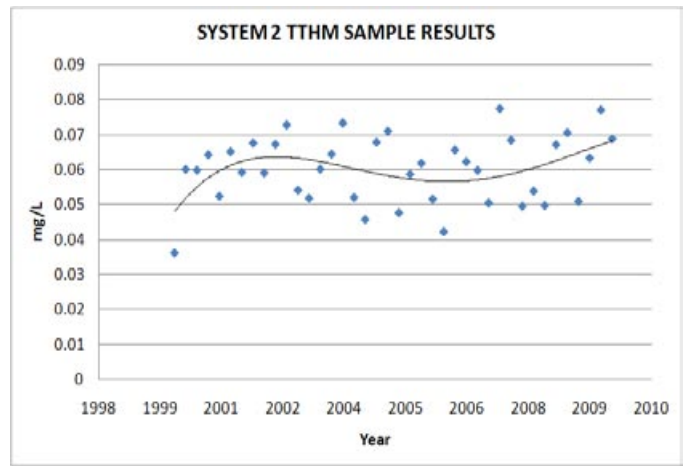
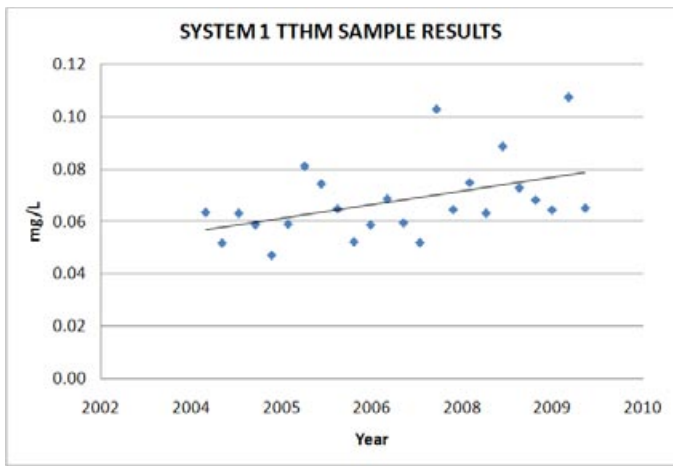
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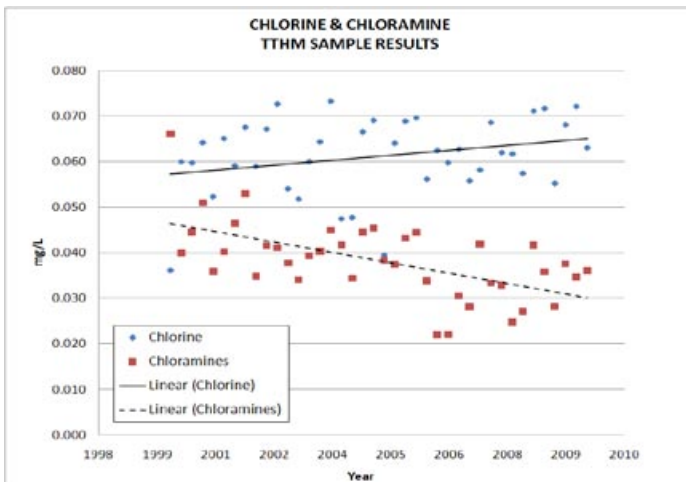
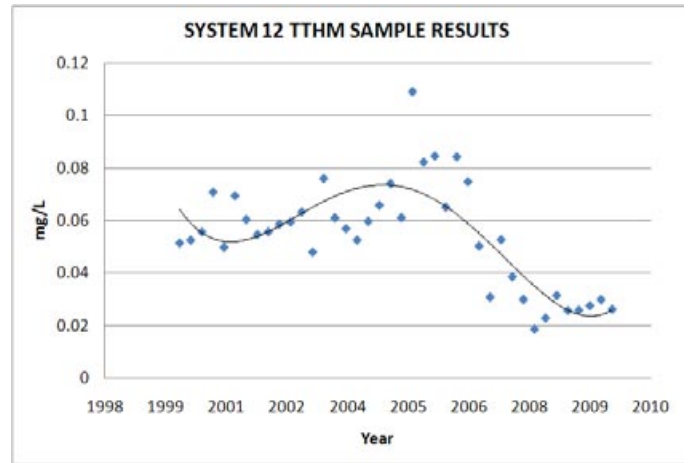
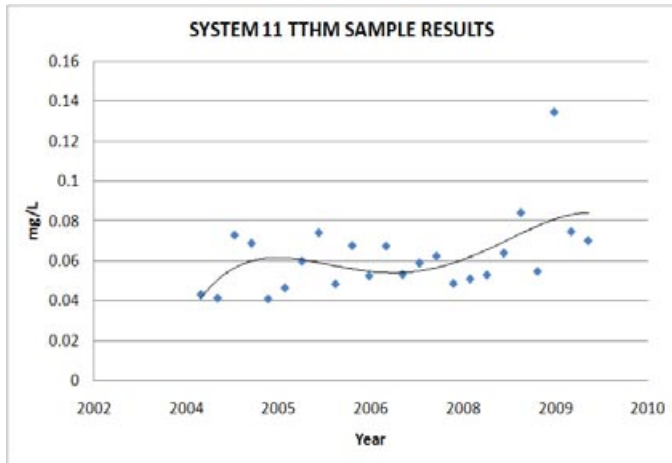
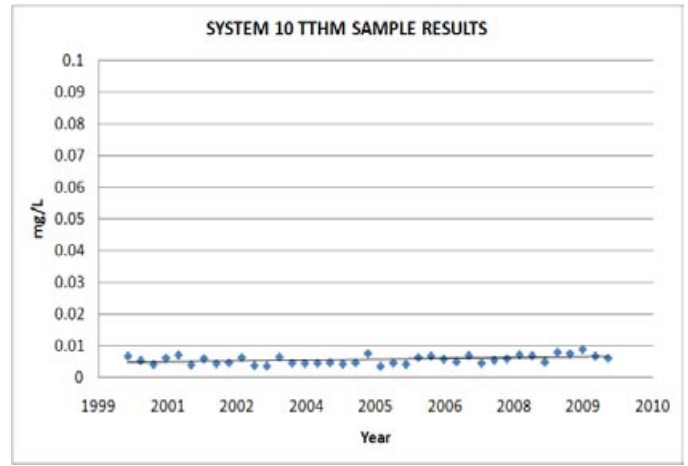
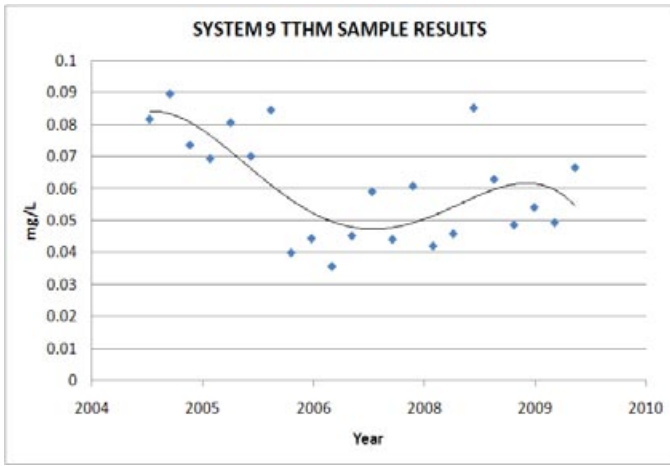
Safe Drinking Water Information System, North Dakota Version 2.22, Drinking Water Watch.

Fundamentals and Control of Nitrification in Chloraminated Drinking Water Distribution Systems, First Edition, M56, American Water Works Association, 01-Dec-2006, ISBN: 1-58321419-4.

Water Chlorination and Chloramination Practices and Principles (M20), Second Edition, M20, American Water Works Association, 01-Jul-2006, ISBN: 1-58321-408-9.

System	Treatment	Primary or Secondary Disinfection	Sample Start Date	Source Water
1	Lime Softening/Filtration	Chlorine	Mar-04	Lake to a Holding Pond
2	Lime Softening/Filtration	Chlorine	Mar-00	River
3	Lime Softening/Filtration	Chlorine	Dec-04	River to a Holding Pond
4	Lime Softening/Filtration/RO	Chlorine	Sep-04	River to a Holding Pond
5	Lime Softening/Filtration	Chlorine	Mar-04	Lake
6	Lime Softening/Filtration	Chlorine	Dec-04	River
7	Lime Softening/Filtration	Chloramine	Mar-00	River
8	Lime Softening/Filtration	Chlorine	Mar-04	Lake
9	Filtration to Membrane	Chlorine to Chloramine	Sep-04	Lake
10	Lime Softening/Filtration	Chloramine	Jun-00	Lake
11	Filtration	Chlorine	Mar-04	River
12	Lime Softening/Filtration (UV)	Chlorine to Chloramine	Mar-00	River







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50th Annual Water and Wastewater Operator Training Program

by Craig Bartholomay, North Dakota Department of Health, Municipal Facilities

This past March and April the North Dakota Department of Health, the North Dakota Water and Pollution Control Conference, the North Dakota Section of the American Water Works Association, the North Dakota Chapter of the American Public Works Association, and the North Dakota Water Environment Association sponsored the 50th Annual Water and Wastewater Operator Training Program.

There were six sessions offered with a total of 331 attendants.* Water treatment and distribution classes were offered March 1-3, March 8-10, March 22-24, and March 29-31. Wastewater treatment and collection classes were offered April 12-14 and April 19-21.

TRAINING SESSIONS	NUMBER OF ATTENDANTS
Water Treatment and Distribution	
March 1, 2, 3	49
March 8, 9, 10	62
March 22, 23, 24	65
March 29, 30, 31	60
Wastewater Treatment and Collection	
April 12, 13, 14	47
April 19, 20, 21	48
Total number of attendants:	331*
* Some operators attended more than one session	

The objectives for these classes are to fulfill the continuing education credit (CEC) requirement for certified operators, to hear presentations regarding regulations and how to avoid mistakes that can lead to noncompliance, to

learn general operation and maintenance topics, and to give operators an opportunity to write a certification exam. The courses are not geared specifically to prepare operators for certification exams.

During the training classes, there were six operator examination sessions scheduled. These were reserved for the last day of each session. The department administered 228 examinations this year, with a passage rate of 71 percent.

EXAMINATION SESSIONS	NUMBER OF EXAMINATIONS WRITTEN
March 3	33
March 10	36
March 24	33
March 31	42
April 14	39
April 21	45
Total number of examinations:	228

The following is a breakdown of the certification examinations that were written during the 2010 operator training sessions:

EXAMINATION CLASSIFICATIONS	IA	I	II	III	IV	Totals
Water Treatment	28	20	11	7	5	71
Water Distribution	31	34	9	1	0	75
Wastewater Treatment	8	18	8	3	4	41
Wastewater Collection	7	17	15	2	0	41
Totals:	74	89	43	13	9	228

Attendance Roster: 50th Annual Water and Wastewater Operator Training Sessions

Environmental Training Center, Bismarck - Training Credits Issued

Water Treatment and Distribution

(12 credits) March 1-3

Anderson, Jim City of Hillsboro
 Arp, Lonnie Grand Forks AFB
 Azure, Kenneth Belcourt Public Utilities Commission
 Baisch, Darell City of Bismarck
 Bement, Tom City of Bismarck
 Berg, Don City of Rolette
 Blilie, Ken City of Kindred
 Bohrer, DeLon Basin Electric - Leland Olds
 Bosch, Jr., Frank City of Strasburg
 Brinkman, Brent Cass Rural Water Users District
 Carter, Ross City of Sherwood
 DeVine, Gene City of Fairmount
 Dickson, Robert City of Lincoln
 Everson, Kelly Valley City Public Works
 Gilbert, Paul Southeast Water Users
 Griffith, Richard City of Garrison
 Harrison, Greg Otter Tail Power - Coyote Station
 Hoffman, Howard South Central Regional Water District
 Jacobson, Kevin Valley City Public Works
 Johnson, Justin City of Beulah
 Kjelland, Chad Cass Rural Water Users District
 Lacina, Lonnie Greater Ramsey Water District
 Lundstrom, David N. Basin Electric - Leland Olds Station
 McGarry, Dennis Grand Forks AFB
 Melby, Cal R & T Water Supply Association
 Meyer, Kyle City of New Town
 Miller, Dale City of Grandin
 Monson, Jeff Great River Energy-Coal Creek
 Mrozla, John Lake Shure Homeowners Association
 Mutzenberger, Myron Great River Energy
 Nagel, Nathan City of Hettinger
 Nelson, Brandon City of Beulah
 Prochnow, Lyle Southeast Water Users
 Rumohr, Robert Cargill, Inc.
 Sand, Randel Kidder County School
 Schell, Gordon City of Mercer
 Schiele, Andrew City of Karlsruhe
 Schmidt, Darryl Great River Energy-Coal Creek
 Schulz, Tyrel Missouri West Water System
 Skibal, Bruce City of Bismarck
 Smestad, Gordon City of Williston
 Smith, Josh Dakota Gasification Co.
 Smith, Ryan City of Milnor
 Steffan, Kim City of Ray
 Stuberg, Jady City of Leeds
 Trostad, Jonathon City of McVile
 Waldron, Dennis City of Wahpeton
 Westman, Eric City of Sawyer
 Zeien, Paul Selz Water Users

Bergstrom, Kenny
 Blomeke, Jerry
 Burling, Stan
 Cascaden, Taylor
 Christensen, Gregg
 Christianson, Kurt
 Cole, Adam
 Edblad, Casey
 Erickson, Kenny
 Falcon, Lloyd
 Fischer, Rodney
 Fitzgerald, Tom
 Fricke, Randy
 Friesz, Duane
 Garrison, Heidi
 Haider, Mark
 Harr, Wade
 Hendricks, Dennis
 Heuer, Leslie
 Higdem, Sidney
 Hirschert, Bruce
 Hopkins II, Mark
 Hottman, Dennis
 Imhoff, Jerry
 Isakson, Kurt
 Job, Robert
 Johnson, Roger
 Kindelspire, Del
 Lang, Troy
 Marier, Gary
 Mason, Bill
 Mattoon, Karen
 McKay, Rod
 Miller, Larry
 Moulton, Timothy
 Murphy, James
 Murphy, Tony
 Pekarski, Alice
 Peterson, Matthew
 Phelps, Chuck
 Pochant, Sallie
 Reinhart, KJ
 Rensland, Brandon
 Roller, Dan
 Rossmiller, Ellen
 Rossmiller, Keith
 Ryckman, Michael
 Schmidt, Dean
 Schollmeyer, Charles
 Scott, Jamie
 Taylor, Greg
 Trosen, Dan
 Troska, Marc
 Unruh, Wynne
 Vesey, Curtis
 Vormestrand, Alan

City of Williston
 Cass Rural Water Users District
 Basin Electric - Lelands Olds
 City of Parshall
 Cass Rural Water Users District
 City of Minot
 Grand Forks AFB
 City of Cando
 City of Harvey
 R & T Water Supply Association
 City of Stanton
 Great River Energy-Coal Creek
 City of Bismarck
 City of Mandan
 Dakota Gasification Co.
 City of Minot
 US Army Corps of Engineers
 R & T Water Supply Association
 Cass Rural Water Users District
 City of Medina
 City of New Rockford
 Grand Forks AFB
 City of Napoleon
 City of Elgin
 City of LaMoure
 City of Linton
 City of Park River
 City of LaMoure
 City of Minot
 City of Casselton
 City of Bowman
 Great River Energy-Coal Creek
 Basin Electric - Leland Olds
 Greater Ramsey Water District
 City of Vella
 Southwest Water Authority
 Belcourt Public Utilities
 City of Montpelier
 City of Hankinson
 US Army Corps of Engineers
 US Army Corps of Engineers
 Barnes Rural Water District
 City of Minot
 Southwest Water Authority
 City of Wildrose
 City of Wildrose
 South Central Regional Water District
 City of Mandan
 City of Dunn Center
 City of Mandan
 City of Grenora
 City of Carrington
 All Seasons Water District
 South Central Regional Water District
 City of Casselton
 City of Upham

Water Treatment and Distribution

(12 credits) March 8-10

Albrecht, Kenneth City of Mandan
 Allen, Joseph City of Stanley

Ward, Keith City of Fargo
 Werlinger, Jerome City of Bismarck
 Wintermute, Darrell All Seasons Water
 Worthey Sr., Ronald L. City of Minnewaukan

**Water Treatment and Distribution
 (12 credits) March 22-24**

Aaseth, Dewey South Central Regional Water District
 Ackerson, Gary Grand Forks AFB
 Berg, Shane Minot AFB
 Borden, Brian City of Grand Forks
 Bousson, Gerald City of Garrison
 Breske, Dean Valley City Public Works
 Brinegar, Bryan City of Langdon
 Christensen, C. Ward City of Minnewaukan
 Cummings, Greg City of Horace
 Curran, David A. T. Roosevelt National Park S. Unit
 Degenstein, Leon M. City of Harvey
 Delabarre, Curt City of Glen Ullin
 Doll, Anton (Tony) J. City of Napoleon
 Eckelberg, Terry Southwest Water Authority
 Frank, David City of New England
 Fulsebakke, Keith City of Bottineau
 Goehring, Stacy Missouri River Correctional
 Center

Gorsuch, Alan T. Roosevelt National Park N Unit
 Gruenberg, Larry Great River Energy
 Guss, Johnathan City of Drayton
 Hanson, Dan City of Grand Forks
 Haskin, Chad Cass Rural Water Users Distict
 Haugen, Alvin G. City of Michigan
 Helbling, Dale South Central Regional Water District
 Herman, Lyle Minnkota Power
 Hoffman, Loren City of Parshall
 Jensen, Steven W. Williston Regional Water
 Treatment Plant

Kaiser, Robert Cargill Malt
 Kershaw, Jim City of Bismarck
 Kolb, Joel Grand Forks AFB
 Kupfer, Roy J. City of Edgeley
 Larson, Gregory R & T Water Supply Association
 Leidholm, Marlin McLean Sheridan Rural Water
 Leidholm, Wayne Basin Electric - Leland Olds
 Martin Jr., Jack Duane Cargill, Inc.
 McCollum, Mike Cass Rural Water Users District
 Meidinger, Larry City of Ashley
 Meier, Mike Basin Electric - Leland Olds
 Meyers, Bruce Missouri River Correctional Center
 Mosbrucker, Kerry City of Mott
 Mundt, Rocky City of Bottineau
 Murr, Leo A. City of Wahpeton
 Murray, Steve City of McClusky
 Nantt, Lyle City of Wishek
 Nelson, Wayne Valley City Public Works
 Newman, Jason Valley City Public Works
 Olson, Rick City of Sentinel Butte
 Orth, Keith C. ND Parks & Rec
 Overmoe, Daniel City of Mayville

Preisen, Shawn C. Grand Forks, AFB
 Rath, Jamie City of Mandan
 Renke, Marcus Barnes Rural Water District
 Retterath, Mick Valley City Public Works
 Ries, Steve Southwest Water Authority
 Rowe, Bill Basin Electric - Leland Olds
 Schank, Curt Basin Electric AVS
 Schlader, Pat City of Verona
 Schmidt, Gary City of Mandan
 Sipper, Tim Fort Union Trading Post NHS
 Thomas, James L. City of Cando
 Unruh, Dustin South Central Regional Water District
 Vance, Joshua Theodore Roosevelt National Park
 Volk, Charles Baker Boy Supply
 Wangler, Tim Sleepy Hollow Subdivision
 Wetzal, Darin City of Verona

**Water Treatment and Distribution
 (12 Credits) March 29-31**

Aasmundstad, Joyce Otter Tail Power - Coyote Station
 Annon, Robert L. City of Cathay
 Beyreis, Alan J. City of Garrison
 Bickler, Kent R & T Water Supply Association
 Boozer, Harvey Grady City of Cathay
 Brandt, Brad City of Glenburn
 Busse, Jason City of Langdon
 Cavanaugh, Reggie Spirit Lake Water Resource
 Dachtler, Greg City of Bismarck
 Dybas, John City of Alexander
 Evenson, Kelly City of New Town
 Ganje, Tom City of Fargo
 Gimbel, Ritch City of Souris
 Hagen, Donald G. City of Woodworth
 Hager, Gary Upper Souris Water District
 Hallanger, Thomas Grand Forks AFB
 Hanson, Dale City of Kenmare
 Hesch, Wade City of Valley City
 Hoffman, Robert City of Fargo
 Hunt, Joseph City of Jamestown
 Hurley, Steve City of Crosby
 Jemtrud, Kelly City of Velva
 Keys, Sherry City of Valley City
 Knutson, Aaron John Basin Electric
 Kohanes, Justin Southwest Water Authority
 Kostelecky, Russ Southwest Water Authority
 Kramer, Michael City of Fargo
 Larson, Blaine City of Cooperstown
 Lesmeister, Walter City of New Rockford
 Lupo, David Southwest Water Authority
 Markey, James A. City of Casselton
 Martin, Dave Talbott Trailer Court
 Mathis, James City of Minot
 Mattheis, Tom City of Ellendale
 Mears, Chad City of Fargo
 Mehus, Jon Barnes Rural Water District
 Miller, Leo Southwest Water Authority
 Mischel, Guy Southwest Water Authority
 Mittleider, Chad City of Langdon

Mittleider, George City of Carrington
Mutschelknaus, Bruce Southwest Water Authority
Olson, Christopher City of Casselton
Oster, Robert South Central Regional Water District
Pearson, Doug Minot AFB
Petersen, Steve J. City of Hunter
Phelps, Rodney City of St. John
Poland, Vickie Midwest Assistance Program
Reimche, Keith City of Minot
Richter, Michael Cargill, Inc.
Robistow, Joshua Grand Forks AFB
Salseg, Scott North Prairie Rural Water
Schmidt, Milton Tri-County Water District
Sisk, Bernadine City of Westhope
Smith, Dean R & T Water Supply Association
Trana, Jeff City of Devils Lake
Turner, Toby Southwest Water Authority
Weiland, Allan R. City of Wahpeton
Winson, Keith City of Maddock
Zaharia, Jacob Cargill, Inc.
Zamarron, Hugo City of Mapleton

**Wastewater Treatment and Collection
(12 Credits) April 12-14**

Allen, Joseph City of Stanley
Armstrong, Terry City of Devils Lake
Arp, Lonnie Grand Forks AFB
Ault, Tracy City of Minot
Bruce, Harold Belcourt Public Utilities
Cain, Gerald (Jerry) City of Garrison
Christensen, C. Ward City of Minnewaukan
Deitz, Jeremy City of Grand Forks
Edblad, Casey City of Cando
Enderud, Rick City of Dickinson
Gardner, James City of Towner
Grant, Christopher R. City of Grand Forks
Grzadieleski, Jason City of Grand Forks
Haaland, Amy Cargill, Inc.
Hanson, Jerry City of Northwood
Johnson, Alan JR Simplot
Kary, Bruce City of Dickinson
Kilgore, Frank City of Grand Forks
Klaus, Chris Grand Forks AFB
Kolb, Joel Grand Forks AFB
Kopp, Craig Cargill Malt
Laducer, Kelly Belcourt Public Utilities
LaVoi, Joshua City of Grand Forks
Lingen, Chad A. Southeast Water Users
Markey, James A. City of Casselton
Matelski, Tod City of Grand Forks
McGarry, Dennis Grand Forks AFB
Moulton, Timothy City of Velva
Nagel, Nathan City of Hettinger
Neuberger, Gary City of Beulah
Nielson, Marshall Belcourt Public Utilities
Overby, Duane City of Williston
Overby, Justin City of Williston
Pearson, Doug Minot AFB

Powell, Stacey City of Grand Forks
Quast, Doug Minnkota Power
Rix, Tanner Cargill, Inc.
Schmidt, Dean City of Mandan
Schollmeyer, Charles City of Dunn Center
Scott, Jamie City of Mandan
Skjerva, Greg City of Devils Lake
Stompro, Melissa City of Watford City
Vesey, Curtis City of Casselton
Volanti, Mike City of Rolla
Warren, Brian City of Minot
Westman, Eric City of Sawyer
Wild, Lawrence City of Fargo

**Wastewater Treatment and Collection
(12 credits) April 19-21**

Adamson, Lee J.R. Simplot
Alvira, Nikomaldeus City of Jamestown
Bercier, Bob City of Northwood
Berg, Shane Minot AFB
Bousson, Gerald City of Garrison
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Evenson, Kelly City of New Town
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Forbord, Todd City of Grafton
Ford, Roberta Basin Electric
Goetz, Doug City of Grand Forks
Haug, Forrest L. City of Grand Forks
Hofer, Larry Maple River Hutterian Association
Houim, Derek City of Fargo
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Moszer, Mark City of Bismarck
Murray, Steve City of McClusky
Nelson, Patrick City of Oakes
Olson, Christopher M. City of Casselton
Overmoe, Daniel City of Mayville
Phelps, Rodney City of St. John
Routledge, Matthew City of Bismarck
Ruppelius, Brad City of Rolla
Schaeffer, Rod City of New England
Seelig, Trevor City of Lisbon
Snyder, Gared Minot AFB
Sullivan, John Minot AFB

Thomas, James L.	City of Cando
Trottier, Eric D.	Belcourt Public Utilities
Wipf, Matthew	Fairview Colony
Wold, Brett	City of Watford City
Zamarron, Hugo	City of Mapleton
Zirbes, Henry	City of Kensal

Operator Certification Exams Scheduled

The summer operator certification exam session will be held on Wednesday, July 28, 2010, at the Environmental Training Center located at 2369 East Main Avenue in Bismarck. Examination times will be from 8:00 a.m. to 4:00 p.m. **To ensure adequate time for exams, testing must begin by 11:00 a.m.** Please indicate time of arrival on exam application form. If you don't have a copy of the registration form, you can print one by visiting: http://www.ndhealth.gov/mf/forms/Operator_Certification_Application.pdf. Renewal and exam fees must be paid prior to testing.

Please contact Craig Bartholomay at the North Dakota Department of Health at 701-328-6626 with any questions regarding operator certification and/or exams.

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Operators Pass Exams March 3- April 21, 2010

Congratulations to these Operators!

<u>Name</u>	<u>Employer</u>	<u>Type/Grade</u>
Dewey Aaseth	South Central Regional Water District	Water Treatment 1A, Water Distribution 1A
Lee Adamson	JR Simplot	Wastewater Treatment 1A
Nikomaldeus Alvira	Jamestown	Wastewater Treatment 01
Terry Armstrong	Devils Lake	Wastewater Treatment 02, Wastewater Collection 02, Water Treatment 01
Tracy Ault	Minot	Wastewater Treatment 01
John Backowski	Cargill Sweeteners	Wastewater Treatment 01, Wastewater Collection 01
Kenny Bergstrom	Williston	Wastewater Collection 02
Delon Bohrer	Leland Olds Station	Water Treatment 1A
Gerald Bousson	Garrison	Water Distribution 01, Wastewater Treatment 01, Wastewater Collection 01
Bryan Brinegar	Langdon	Water Treatment 1A, Water Distribution 1A
Anthony Jon Burianek	Grafton	Wastewater Collection 02
Stan Burling	Leland Olds Station	Water Treatment 1A
Cory Burns	Grafton	Wastewater Treatment 01, Wastewater Collection 01
Jason Busse	Langdon	Wastewater Treatment 02, Wastewater Collection 02
Gerald Cain	Garrison	Wastewater Collection 01
Dwight Carpenter	Horace	Wastewater Treatment 01, Wastewater Collection 01
Reggie Cavanaugh	Spirit Lake Water Resource Mgmt	Water Treatment 01
C. Ward Christensen	Minnewaukan	Water Treatment 1A, Water Distribution 1A, Wastewater Treatment 1A, Wastewater Collection 1A
Greg Cummings	Horace	Water Distribution 01

Name	Employer	Type/Grade
David A. Curran	T Roosevelt National Park S. Unit	Water Treatment 1A
Dana Debele	Fargo	Wastewater Collection 02
Curt Delabarre	Glen Ullin	Water Distribution 01
Maynard K. Demaray	Fort Berthold Rural Water	Water Distribution 01
Maynard R. Demaray, Jr.	Fort Berthold Rural Water	Water Treatment 1A, Water Distribution 1A
Gene W. Devine	Fairmount	Water Treatment 1A, Water Distribution 1A
Casey Edblad	Cando	Water Treatment 1A, Water Distribution 1A
Todd M. Forbord	Grafton	Wastewater Collection 02
Heidi Garrison	Dakota Gasification Co.	Water Distribution 01
Darlene Geller	Spirit Lake Water Resource Mgmt	Water Distribution 01
Stacy L. Goehring	Missouri River Correctional Center	Water Distribution 1A
Alan Gorsuch	T. Roosevelt National Park S. Unit	Water Treatment 1A
Christopher Grant	Grand Forks	Wastewater Collection 02
Daryn Gullickson	Mandan	Wastewater Treatment 04
Amy Haaland	Cargill Sweeteners	Wastewater Treatment 01
Amy Haaland	Cargill Sweeteners	Wastewater Collection 01
Donald G. Hagen	Woodworth	Water Treatment 02
Thomas Hallonger	Grand Forks Air Force Base	Water Distribution 01
Daniel Hanson	Grand Forks	Water Distribution 02
Chad Haskin	Cass Rural Water District-Phase I	Water Treatment 1A, Water Distribution 1A
Forrest L. Haug	Grand Forks	Wastewater Treatment 04
Leslie Heuer	Cass Rural Water District-Phase I	Water Treatment 02, Water Distribution 02
Derek Houim	Fargo	Wastewater Collection 02
Kimberly P. Idso	Amenia	Water Distribution 1A
Ryan Janke	Fargo	Wastewater Collection 02
Justin Lee Johnson	Beulah	Water Distribution 02
Robert Kaiser	Cargill Malt	Water Distribution 1A
Bruce Kary	Dickinson	Wastewater Treatment 01, Wastewater Collection 01
Justin Kohanes	Southwest Water Authority	Water Distribution 03
Joel Kolb	Grand Forks Air Force Base	Wastewater Collection 02
Craig Kopp	Cargill Malt	Wastewater Treatment 04
Christopher Koval	Cargill Sweeteners	Water Distribution 01, Wastewater Treatment 02
Blaine Larson	Cooperstown	Water Treatment 1A, Water Distribution 1A
Joshua Lavoie	Grand Forks	Wastewater Collection 01
Wayne Leidholm	Leland Olds Station	Water Treatment 1A
David N. Lundstrom	Leland Olds Station	Water Treatment 1A, Water Distribution 1A
David Lupo	Southwest Water Authority	Water Treatment 04
Gary Marier	Casselton	Wastewater Treatment 01
James A. Markey	Casselton	Wastewater Collection 01
David Martin	Country Acres MHP	Water Treatment 1A, Water Distribution 1A
Jack D. Martin, Jr.	Cargill Sweeteners	Water Distribution 1A, Wastewater Collection 1A
William O. Mason	Bowman	Water Treatment 01, Wastewater Collection 02
James W. Mathis	Minot	Water Treatment 01
Dale Miller	Grandin	Water Distribution 1A
Leo Miller	Southwest Water Authority	Water Distribution 01
Bruce Mutschelknaus	Southwest Water Authority	Water Distribution 02
Nathan Nagel	Hettinger	Wastewater Collection 01
Brandon Nelson	Beulah	Water Treatment 1A, Water Distribution 1A
Christopher M. Olson	Casselton	Wastewater Collection 02
Bears Star Perkins	Fort Berthold Rural Water	Water Distribution 1A
Steve J. Petersen	Hunter	Water Distribution 1A
Rodney Phelps	St. John	Water Treatment 1A, Water Distribution 1A, Wastewater Treatment 1A

Name	Employer	Type/Grade
Shawn C. Preisen	Grand Forks Air Force Base	Water Distribution 01
Keith Reimche	Minot	Water Treatment 02
Joshua M. Robistow	Grand Forks Air Force Base	Water Distribution 01
Matt Routledge	Bismarck	Water Distribution 02, Wastewater Collection 02
Bill Rowe	Leland Olds Station	Water Treatment 1A
Ken Royce	Apple Creek Court	Water Distribution 1A
Robert Rumohr	Cargill Sweeteners	Water Distribution 01, Wastewater Collection 01
Brad Ruppelius	Rolla	Wastewater Treatment 1A, Wastewater Collection 1A
Michael Ryckman	South Central Regional Water District	Water Distribution 02
Scott L. Salseg	North Prairie RWU System III	Water Distribution 01
Randel Sand	Tuttle	Water Treatment 1A, Water Distribution 1A
Andrew Schiele	Karlsruhe	Water Treatment 02
Dean E. Schmidt	Mandan	Water Distribution 1A, Wastewater Collection 1A
Tyrel Schulz	Missouri West Water System	Water Distribution 01
Trevor Seelig	Lisbon	Wastewater Treatment 01
Wade Sharbono	Devils Lake	Water Treatment 02, Water Distribution 02, Wastewater Treatment 02, Wastewater Collection 02
Bernadine M. Sisk	Westhope	Water Treatment 1A
Greg Skjenva	Devils Lake	Wastewater Treatment 01, Wastewater Collection 01
Gordon L. Smestad	Williston	Water Distribution 1A
Josh Smith	Dakota Gasification Co.	Water Treatment 02, Water Distribution 01
Gared Snyder	Minot Air Force Base	Wastewater Treatment 1A, Wastewater Collection 1A
Melissa Stompro	Watford City	Wastewater Treatment 01
Jady Stuberg	Leeds	Water Treatment 1A, Water Distribution 1A
John P. Sullivan	Minot Air Force Base	Wastewater Treatment 1A, Wastewater Collection 1A
Greg Taylor	Grenora	Water Treatment 1A, Water Distribution 1A
James L. Thomas	Cando	Water Distribution 01
Dan Trosen	Carrington	Water Treatment 1A
Jonathon Trostad	McVile	Water Treatment 1A, Water Distribution 1A
Toby Turner	Southwest Water Authority	Water Distribution 01
Wynne Unruh	South Central Regional Water District	Water Treatment 1A, Water Distribution 1A
Joshua Vance	T. Roosevelt National Park S. Unit	Water Treatment 1A, Water Distribution 1A
Curt Vesey	Casselton	Water Treatment 01, Wastewater Treatment 01
Mike Volanti	Rolla	Wastewater Treatment 1A
Darrell Wintermute	All Seasons WUA-System I	Water Treatment 01, Water Distribution 01
Brett Wold	Watford City	Wastewater Treatment 01
Ronald L. Worthey Sr.	Minnewaukan	Water Distribution 1A



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The microalgae utilized does not form a surface algae mat, but rather disperses evenly within the lagoon, providing the necessary oxygen for bacteria to remove the incoming biochemical oxygen demand (BOD). The structure and supporting equipment included is used to maximize the growth of the microalgae and lagoon bacteria, thereby maximizing overall wastewater treatment while minimizing cost of ownership and operation. Most importantly, the system will meet regulatory requirements with far lower costs and lower environmental impact than a traditional mechanical system.

We have also developed and tested this system for cold-water ammonia removal. We have developed a system that is capable of removing ammonia to levels less than 2 milligrams per liter (mg/l) at a temperature of 2 degrees Celsius. This is a significant improvement for nutrient removal in lagoon wastewater treatment systems.

The system total cost of ownership is, on average, more than 50 percent less than typical mechanical or hybrid systems. This value is based on the comparison of treatment facilities in the capacity range of 50,000 gallons per day to 3 million gallons per day. Total cost of ownership is highly apparent when electric savings and debt service are examined.

The target markets are municipal wastewater treatment plants (WWTP), lagoon systems, confined animal feeding operations (CAFO) lagoons (animal feedlots), and industrial WWTP (anaerobic digesters, dairies, food processors). The process is currently being piloted in Wray, Colorado with successful effluent results. BiO2 Solution is currently working with the state of Colorado for approval of this technology for wastewater treatment.

For more information, please contact Carey Bretsch at 605-696-3200.

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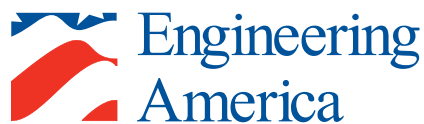
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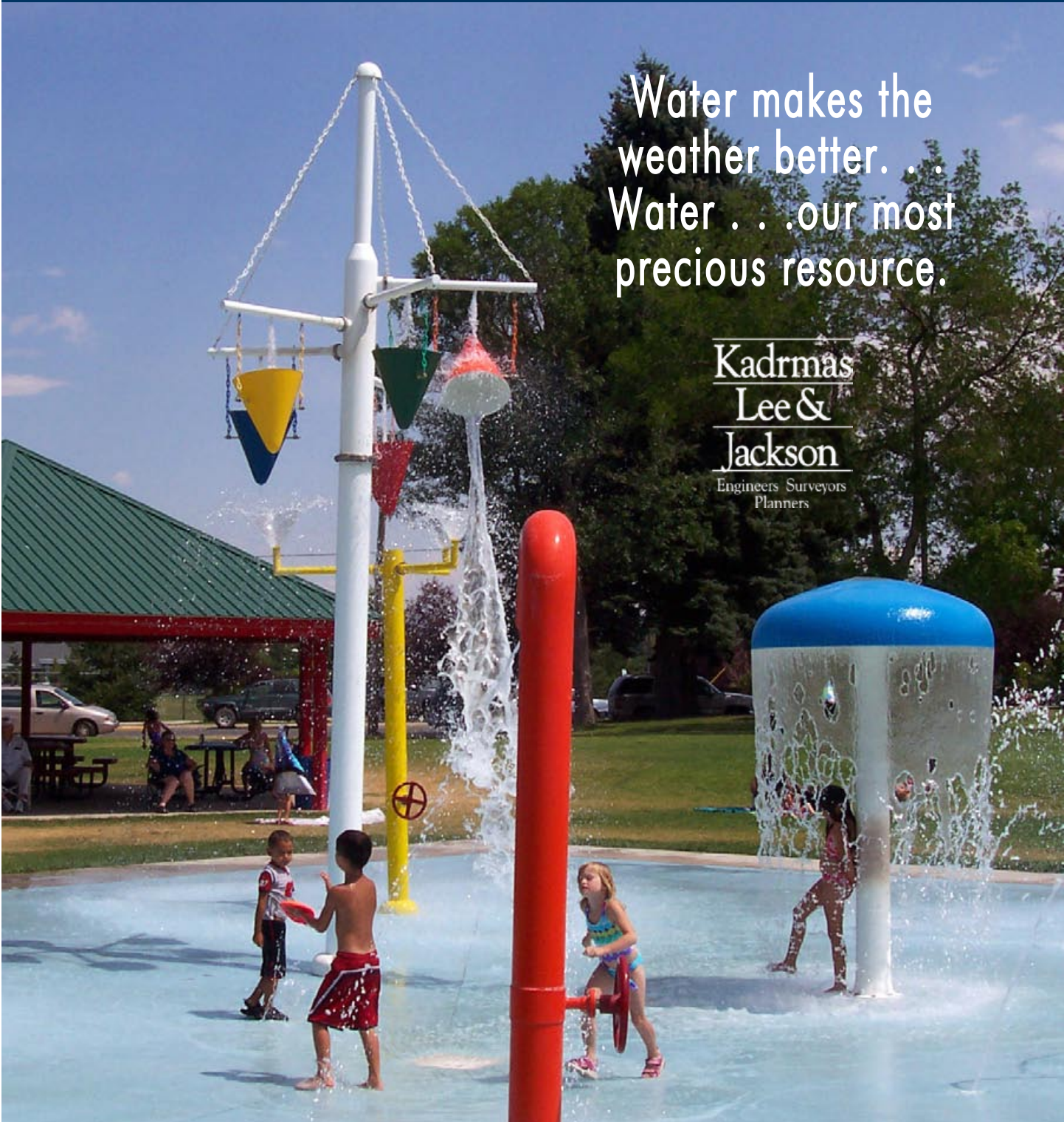


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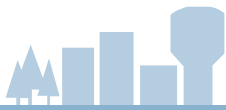
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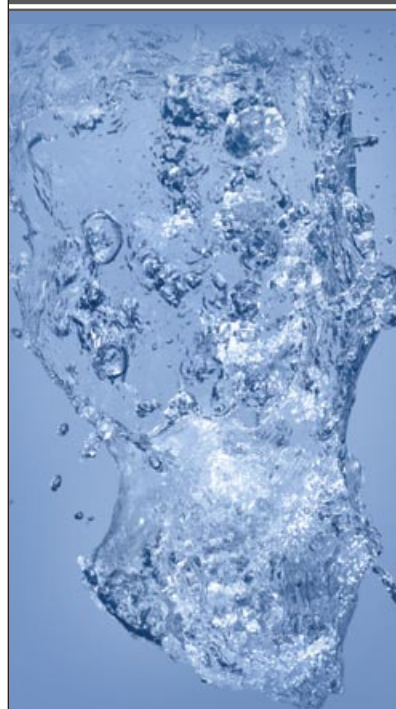
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Governor Hoeven Proclaims Drinking Water Week

*North Dakotans Encouraged To Protect and
Conserve the State's Waters*

Governor John Hoeven declared May 2 through 8, 2010, as Drinking Water Week in North Dakota.

This annual event is dedicated to the belief that North Dakotans should have a safe and dependable supply of water, both now and in the future. Citizens are called upon to help protect the state's source waters from pollution.

Drinking Water Week recognizes the importance of water source protection and conservation, as well as the value, importance and fragility of the state's water resources.

Organizations involved in the promotion of Drinking Water Week include the North Dakota Department of Health, the North Dakota Section of the American Water Works Association, the North Dakota Water and Pollution Control Conference, the North Dakota Chapter of the American Public Works Association, the North Dakota Water Environment Association and the North Dakota Rural Water Systems Association.

Proclamation Drinking Water Week May 2-8, 2010

WHEREAS, the citizens of North Dakota recognize that our health, comfort and standards of living depend on an ample supply of safe, high-quality drinking water; and

WHEREAS, water greatly influences our everyday lives through its uses in public health, economic development, power production, agriculture, recreation, and business and industries; and

WHEREAS, many dedicated men and women have made significant contributions in developing, operating and maintaining our public water systems; and

WHEREAS, what we do today to protect our drinking water will affect the prosperity and well-being of future generations; and

WHEREAS, it is important to recognize and meet adequate supply of good quality water for present and future generations of North Dakotans; and

WHEREAS, North Dakotans are encouraged to recognize this precious resource and to help protect our source waters from pollution, to practice water conservation, to become involved in local water issues and to plan for its efficient use.

NOW, THEREFORE, as Governor of the State of North Dakota, I do hereby proclaim May 2-8, 2010, DRINKING WATER WEEK in the state of North Dakota.

John Hoeven
Governor



Representatives at the signing of the Governor's Proclamation of Drinking Water Week were: Front row (l to r): Miranda Kleven, North Dakota Water and Pollution Control Conference; Governor John Hoeven; Skip Rapp, North Dakota Water Environment Association. Back row (l to r): Darin Schaeffer, North Dakota Chapter of the American Public Works Association; Duane Friesz, North Dakota Section of the American Water Works Association; Larry Thelen, Division of Municipal Facilities, North Dakota Department of Health; Gordon Blixt, North Dakota Rural Water Systems Association.

Governor Hoeven Proclaims Public Works Week

Governor John Hoeven proclaimed May 16 through 22, 2010, as Public Works Week in North Dakota.

Public Works Week is observed annually to celebrate the contributions of public works professionals, including those who manage community water, sewer, public transportation, and refuse-removal systems, as well as those who are responsible for maintaining public buildings and grounds.

“We value our communities and the role public works professionals play in keeping them safe and functioning smoothly,” Hoeven said. “Public works professionals maintain and improve the systems and services vital to a community’s health, safety and comfort.”

For more information about Public Works Week, contact Chuck Abel, executive secretary for the North Dakota Chapter of the American Public Works Association, at 701.328.5207.

Proclamation Public Works Week May 16-22, 2010

WHEREAS, public works infrastructure, facilities and services are of vital importance to the health, safety and well-being of the people of North Dakota; and

WHEREAS, it is important for the citizens and civic leaders of this state to gain knowledge of and to maintain a progressive interest in the public works needs and programs of their respective communities; and

WHEREAS, public works professionals, engineers and administrators are responsible for and must design, build, operate and maintain the transportation, water supply, sewage and refuse disposal systems, public buildings, and other structures and facilities essential to serving our citizens; and

WHEREAS, North Dakota’s public works professionals, engineers and administrators should be recognized for their dedication and contributions to the growth, development and stability of our state.

NOW, THEREFORE, as Governor of the State of North Dakota, I do hereby proclaim May 16-22, 2010, PUBLIC WORKS WEEK in the state of North Dakota.

John Hoeven
Governor



Representatives at the signing of the Governor’s Proclamation of Public Works Week were: (left to right): Darin Schaeffer, President North Dakota Chapter American Public Works Association; Governor John Hoeven; and Chuck Abel, Executive Secretary North Dakota Chapter American Public Works Association



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- Trojan Technologies
- Severn Trent Services

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- JetMix
- WesTech
- BDP Industries
- Centrisys
- Fenton
- Huber
- Spirac

CHEMICAL FEED

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- Milton Roy
- Severn Trent Services
- Capital Controls All Vacuum Feed Systems

ODOR CONTROL

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- WesTech
- Guardian Environmental

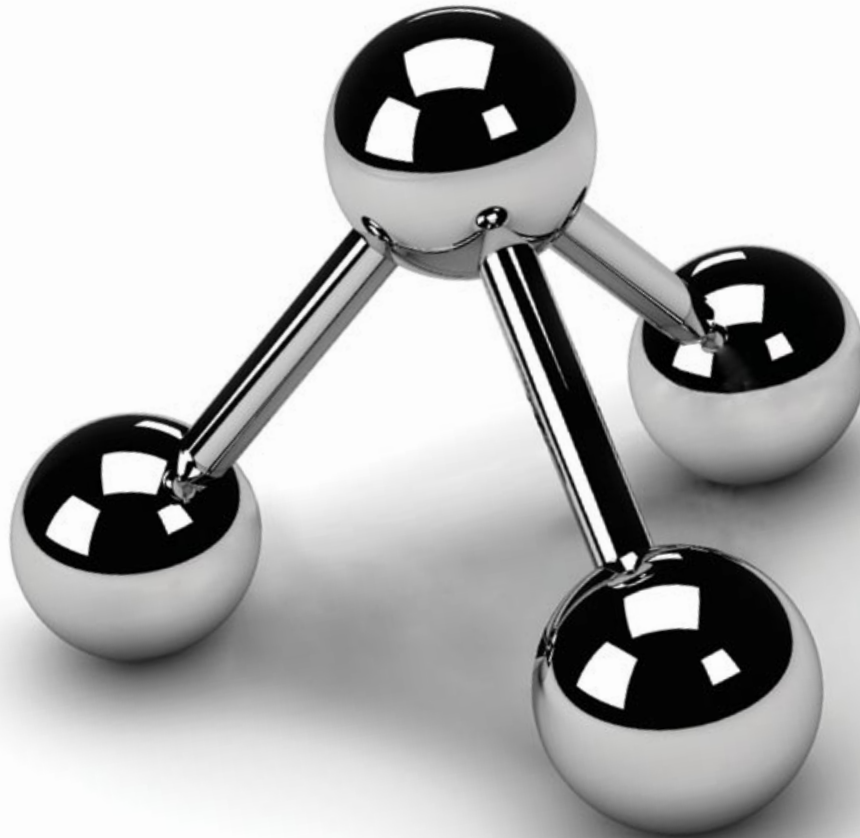
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NDWPCC JOINT BOARD MEETING MINUTES

February 10, 2010, Mandan, ND

A meeting of the Joint Board of Directors of the North Dakota Water and Pollution Control Conference (NDWPCC); North Dakota Water Environment Association (NDWEA); North Dakota Chapter of the American Public Works Association (NDCAPWA); and North Dakota Section of the American Water Works Association (NDAWWA) was held on February 10, 2010, in the Nautilus Room of the Seven Seas Inn, Mandan, ND. The meeting was called to order at 10:31 a.m. by NDWPCC President Miranda Kleven. Copies of the meeting agenda and NDWPCC 2009 Financial Report were provided to each member. President Kleven asked those in attendance to sign the attendance sheets being circulated. The following board members and guests were present: Chuck Abel, Lisa Ansley, Gary Bracht, Mike Brisben, David Carlson, Eric Dodds, Joe Ferguson, Duane Friesz, Bill Gefroh, Dan Jonasson, Miranda Kleven, Steve Lagro, Dennis Larson, Lance Meyer, Chad Miller, Karla Olson, Tim Paustian, Skip Rapp, Tara Ritter, Rusten Roteliuk, Terry Rust, Darin Schaeffer, Dean Sletten, Shawn Sohren, Jason Sorenson, Gregg Stewart, Jacob Strombeck, Larry Thelen, Donald Tucker, Greg Wavra, Ken Weber, and Chad Zander.

President Kleven called for a motion to dispense with the reading of the minutes from the October 20, 2009 Joint Board Meeting and the October 22, 2009 NDWPCC Business Meeting and approve the minutes published in the *Official Bulletin*. Terry Rust so moved, Dan Jonasson seconded, and the motion carried.

President Kleven next called for the Treasurer's Report. Mike Brisben reported that the Conference had a net income of \$30,082.88 in fiscal year 2009 and total assets of \$77,919.90. President Kleven called for a motion to approve the Treasurer's Report. Skip Rapp so moved, Terry Rust seconded, and the motion carried.

For the first item of old business, President Kleven called for the Auditing Committee Report. Dean Sletten reported that he and Skip Rapp had reviewed the books and financial reports for 2009 and found them to be in good order.

Continuing with old business, Mr. Brisben reported on several options for accepting credit card payments for the Conference activities. Two options through BNC Bank included setting up an 800 number for transactions and purchasing a virtual merchant for processing credit card payments. The third option was to set up a PayPal account. Mr. Brisben noted that the BNC options would require set up costs, monthly fees, transaction fees,

and monthly minimums; whereas the PayPal account requires only the transaction fee. Mr. Brisben indicated that the PayPal option appeared to be the most practical and that ND Rural Water's experience using PayPal at this year's expo could be evaluated. Chuck Abel asked if the Conference was looking for a motion. Terry Rust moved to further review the use of PayPal and Bill Gefroh seconded. Further discussion ensued with Mr. Brisben noting that so far only minimal requests for credit card payment had been received. Bill Gefroh felt credit card payments would be easier, and President Kleven indicated that online registration would be a plus. Mr. Gefroh stated that the Industrial Pretreatment Conference had set up a webpage. Mr. Abel added that an up-charge could be considered to recover the cost of the transaction fees. Skip Rapp expressed some concerns whether cities would be willing to set up PayPal accounts. Larry Thelen further noted that if a PayPal account was to be set up using ND Health Department computers, approval from state ITD would be needed. President Kleven called for a vote on the previous motion, and the motion carried.

Next, President Kleven called on Eric Dodds to report on arrangements for a student/young professional reception again in Fargo. Mr. Dodds introduced Jacob Strombeck and David Carlson from the NDSU and UND student chapters. Mr. Dodds then asked for comments on the 2007 reception. Several who attended, said it was a successful event. Mr. Sletten suggested a site within walking distance of the conference site. Mr. Brisben indicated that the convention center could also be considered. Further discussion concluded that an off-site location offers a better atmosphere with Mr. Carlson and Mr. Strombeck supporting the 2007 site, Buffalo Wild Wings. Mr. Abel concurred and recommended the joint boards support the students' input. Mr. Dodds noted that the reception would allow the students to interact with their peers; water, wastewater, and public work professionals; and future employers.

President Kleven called for any other old business. Hearing none, President Kleven asked all those attending to provide Mr. Brisben with a list of 2010 conference topics and presenters by the May 26, 2010 board meeting.

President Kleven called for the next item of new business. Mr. Brisben provided the dates for the upcoming spring operator training sessions. The classes offer 20 water and 19 wastewater presentations with topics including rule updates, back to basics, rate settings, safety, backflow prevention, troubleshooting and pond maintenance.

Mr. Brisben next reported on conference numbers for 2009, noting that 331 preregistered with 322 able to attend. Business meeting and luncheon attendance were 173, 194, and 135. The breakfast buffet served 275, the Tuesday buffet 190, and the awards banquet 238.

President Kleven called for any other new business. Greg Wavra gave a brief demonstration on using the South Dakota WARN Website. Mr. Wavra indicated setup costs for a similar website for ND WARN would be \$1,000-\$1,100 with yearly maintenance fees of \$300. Mr. Wavra stated that NDAWWA had donated \$350 for the creation of the website and asked for additional support from the joint boards. Lisa Ansley made a motion to approve a \$350 donation from NDWPCC, Skip Rapp seconded, and the motion carried.

President Kleven reminded board members of the upcoming Surface Water Workshop, April 27, 28, and 29, 2010 at the Ramkota Plaza Suites, Fargo, ND.

President Kleven called for a motion to adjourn. Eric Dodds so moved, Skip Rapp seconded, and the motion carried. The meeting adjourned at 11:09 a.m.

The NDAWWA can be thanked for the refreshments and noon luncheon.

Mike Brisben
Secretary/Treasurer

Minutes of the Winter Board of Trustees Meeting **North Dakota Section of the American Water Works Association** *Seven Seas Inn and Conference Center February 10, 2010*

The Winter Meeting of the Board of Trustees was held at the Seven Seas Inn and Conference Center in Mandan, North Dakota on February 10, 2010. Present at the meeting was Brett Jochim, Miranda Kleven, Sarah Volk, Lisa Ansley, Larry Thelen, Tim Paustian, Chad Miller, Greg Wavra, Dennis Larson, Dean Sletten, Jason Sorenson, and Duane Friesz.

The meeting was called to order by Chair Duane Friesz at 7:58 a.m.

Secretary's Report

The first order of business was the Secretary's Report. Mr. Chad Miller stated the minutes from the fall meeting were emailed to all board members the week prior, and a couple of corrections were made. The final minutes were presented to the attendees and needed to be approved. Mr. Friesz called for a motion to approve the minutes. Mr. Dean Sletten made the motion, and Ms. Lisa Ansley seconded. The motion carried.

Treasurer's Report

The next item on the agenda was the Treasurer's Report given by Mr. Greg Wavra. Mr. Wavra stated the section had an income of \$32,554.28 and expenses totaling \$41,866.41 for the calendar year of 2009. This gave the section a net loss of \$9,312.13. Mr. Wavra stated the main reason for going over budget was due to the Strategic Planning Meeting that took place in Grand Forks last spring. Ms. Ansley also stated that last year there was a larger than normal amount of funds needed for directors' meetings. She stated that last year was a transition year for the director position. Therefore, there were two directors for part of the year and essentially a doubling of costs for director-based

functions until the transition was completed. Mr. Sletten motioned to approve the Treasurer's Report, Ms. Ansley seconded, and the motion passed.

Water Utility Council Fly-In

Mr. Jason Sorenson then made some comments on this year's Fly-In in Washington, D.C. He stated that National AWWA will cover \$500 of airfare for the representative utility member, Duane Friesz, this year. Mr. Sorenson asked if the section would cover the rest of the airfare. It was discussed and decided that it would be covered as it has in the past. It was also noted Mr. Brett Jochim will also be attending the Fly-In with Mr. Friesz. Ms. Sarah Volk is working with the two attendees on scheduling to meet with state representatives in Washington, D.C.

Mr. Jochim made comments on Bismarck State College starting a water quality program to be incorporated in the curriculum for power utility operations. There was some discussion on the course and the possibility of a graduate being certified after completing such courses. Mr. Thelen stated that the student would not be eligible for certification without first being employed by a utility for a period of six months as required by the State Administrative Code.

Mr. Thelen stated that revisions to the Total Coliform Rule will be made this year. He mentioned the revisions could cause financial issues for small systems. He said this, in turn, could mean section involvement in conducting utility assessments, and we should keep that in mind.

Public Relations (PR) Committee

Ms. Sarah Volk then gave the PR Committee report. She stated that she has ordered several materials for Water

Days. She also stated the website has been updated. There was some discussion on Drinking Water Week. Mr. Miller stated that he will coordinate with Ms. Volk to get proper documents and participants arranged. There was some discussion on the e-letter that could be sent out periodically.

Education and Research

Ms. Miranda Kleven gave an update on the education and research committee. She stated judges for the science fair have been found.

Surface Water Workshop

Ms. Kleven led a discussion on the Surface Water Workshop which will be held in Fargo, ND on April 27-29, 2010. She said there is some concern about the potential flooding of the Fargo area. She stated that we would be released from our contract with the hotel but still could suffer some financial losses with prior expenditures like advertising.

Membership

Next, Mr. Sletten gave an update to the board on section membership. He stated the section has 239 members, which is down from this time last year with 243. He made comments on a membership drive mailing last fall and the expected mailing for the spring.

Ms. Ansley then commented on the NDSU student chapter's plans for a field trip this year. She stated she expects the student chapter to request finances for the field trip. Mr. Wavra informed the board that such expenses have been included in the budget.

Director's Report

Ms. Ansley stated that at the winter meeting for directors, nominees were selected for the upcoming elections for National AWWA. She also stated there will be an analysis of AWWA programs to determine their value to AWWA. She then commented on AWWA's push for offering services for business relations intended for sectional websites and publications.

2010 Budget

Mr. Wavra stated there were no changes to the budget since the fall meeting held in Minot. Mr. Sletten motioned to approve the budget and Ms. Ansley seconded. The motion carried.

North Dakota Water/Wastewater Agency Response Network (WARN)

Mr. Wavra led a discussion on NDWARN. He mentioned the state of Pennsylvania received money to develop a website for WARN Pennsylvania and its utilities. South Dakota has since replicated a similar website with aid from an outside software company. This company has agreed to create a similar website for NDWARN. Mr. Wavra stated the website will cost \$1000 to \$1100 and asked if NDAWWA

will help with the development costs. The section agreed to give \$350 to NDWARN for this development. Mr. Wavra intends to ask the other boards of the Pollution Control Conference for similar donations. Mr. Wavra stated that there are 24 utilities participating in NDWARN, and two more utilities plan to sign in the near future. He also mentioned NDWARN plans on a tabletop training exercise to be held after the Surface Water Workshop in April. He wrapped up with stating there will be a WARN webcast held February 19, 2010 from 10 a.m. to 12 p.m.

Trustee Committee Nominations

Through the section's normal rotation schedule the following takes place: Mr. Dennis Larson is on the Membership Committee; Mr. Jason Sorenson is on the Audit Committee; Mr. Eric Volk is on the Water For People and Audit Committees; Mr. Tim Paustian is on the Education and Research Committee and the Trustee Nominating Committee; Mr. Dean Sletten is on the Water Utility Council and the Public Relations Committee; and Mr. Duane Friesz is on all committees. In addition to these people, Mr. Sletten and Mr. Friesz will aid the Trustee Nominating Committee; Ms. Lisa Ansley will help with the Fuller Award; and Mr. Volk, Mr. Sletten and Mr. Miller will help with Operator Meritorious selection.

Regional Meeting of Section Officers (RMSO)

It was stated that the RMSO meeting will be held in Minneapolis, MN on April 16-17, 2010. Ms. Ansley, Mr. Wavra, Mr. Paustian, and Mr. Sletten all mentioned that they would like to attend.

2010 Annual Conference and Exposition (ACE)

The 2010 ACE was discussed. It was mentioned that Mr. Sletten will receive the complimentary registration this year, and he plans to attend. Ms. Ansley and Mr. Paustian announced that they also plan to attend.

Donations

Next on the agenda was discussion on donations for this year. The section plans on the following donations: \$1000 to Water for People, \$1000 to Gateway to Science, \$750 to Dakota Science and \$250 to AWWARF.

Wrapping up new business, Ms. Ansley noted that National AWWA is proposing a new campaign "Work for Water," and this may be incorporated into future advertising.

Mr. Paustian made a motion for adjournment. Mr. Sorenson seconded, and the motion passed at 9:30 a.m.

Chad Miller
Secretary/Treasurer, NDAWWA

Minutes of the Statewide ND Water/Wastewater Agency Response Network (NDWARN)

February 19, 2010

A statewide meeting of North Dakota Water/Wastewater Agency Response Network (NDWARN) was held February 19, 2010 at the North Dakota Department of Health located at 918 East Divide Avenue in Bismarck, N.D. The meeting was held in the downstairs video conference room. Video conference calls were made to sites located in the cities of Grand Forks, Fargo, Wahpeton, Medora and Dickinson. Present in attendance at these sites were statewide committee members: State Chair Skip Rapp, city of Dickinson; Vice Chair Joe LaFave, board member North Dakota Rural Water; and Secretary Hazel Sletten, city of Grand Forks. Municipal members: Andrew Job, Don Tucker, and Tim Haak, city of Grand Forks; Alice Perarski, city of Montpelier; Kevin Mayer and Brandy Pyle, city of Casselton; Lee Roy Roller and Cindy Evoniuk, city of Belfield; and Vernell and Dennis Seivers, city of Taylor. Rural water members: Lee Messer, Southwest Water Authority; and Steve Ellefson, South Central Regional Water District. Industrial utilities members: Ken Norton and Steve Smokey, Great River Energy. Associate members: Greg Wavra, Bob Disney and Gary Bracht, North Dakota Department of Health; Eric Volk, North Dakota Rural Water; and Glen Lueck, Midwest Assistance Program.

The meeting was called to order at 10:00 a.m. by Skip Rapp, and introductions were made. Skip reviewed the current NDWARN members list and thanked Greg and Eric for their efforts in getting the word out about the NDWARN program.

Secretary's Report

Hazel Sletten presented a summary of the September 16, 2009 meeting. It was noted that the minutes were published in the October 2009 issue of the *Official Bulletin*. Joe LaFave moved to approve the minutes of the past meeting, and Ken Norton seconded. The motion passed 5-0. Greg Wavra then reviewed the definition of voting members. Grand Forks and Dickinson represent municipal water/wastewater and have one vote each. Southwest Water Authority and South Central Regional Water District represent rural water systems with one vote each. Great River Energy represents industry utilities and has one vote. NDWARN is also set up to have a tribal representative with one vote. At this time, the tribal representative position is vacant.


Old Business

1. Website Development: Greg Wavra demonstrated

the South Dakota WARN website to the board. It is based on Pennsylvania's WARN template and has been successfully used by other WARN groups across the country. South Dakota (SD) WARN had taken the Pennsylvania site codes to a web design company called B-Pro with offices in Pierre, S.D. and Fargo, N.D. B-Pro developed SD's WARN site as well as Nebraska's WARN site. Greg has been in contact with B-Pro and found out that the cost to develop a NDWARN website would be \$1,100. Hosting and maintaining the site for a year would require an additional \$300. Bob Disney has agreed to help assist with the development.

Greg has asked and received \$350 apiece from the following groups to cover the cost of website development: North Dakota Section of the American Water Works Association, North Dakota Chapter of the American Public Works Association, North Dakota Water Environment Association, and the North Dakota Water and Pollution Control Conference. The website address would be ndwarn.org and it is still available. Group discussion followed relating to notification formats. Will members be notified by telephone, e-mail or both regarding an emergency or specific equipment needs? A suggestion was made to check the possibility of incorporating digital photos into the equipment list drop-down menu. Timeline for this project is about one month to get the site designed and running once the contracts have been signed with B-Pro. Members will be notified once the site is operational. Skip Rapp moved to have B-Pro design the NDWARN website using the SD WARN site as a model, and Joe LaFave seconded. The motion passed 5-0.

2. Resource Typing by Agreement Holders: Hazel Sletten has received equipment lists from some NDWARN members and encourages everyone to continue thinking about equipment to list so that we will be ready to enter information into the website database

	moore engineering, inc.	West Fargo, ND 701-282-4692
		Fergus Falls, MN 218-998-4041
		Pelican Rapids, MN 218-863-1106
		www.mooreengineeringinc.com
CONSULTING ENGINEERS AND LAND SURVEYORS		

	Phone: (763) 559-2837
	Fax: (763) 559-1979
	E-Mail: tonka@tonkawater.com
	Website: www.tonkawater.com
TONKA EQUIPMENT COMPANY	
P.O. BOX 41126	
13305 WATERTOWER CIRCLE • PLYMOUTH, MN 55441	

- once it is up and running. Greg has suggested that we list and group the equipment under the headings on the Equipment Typing List that he has previously e-mailed to all members (list will be attached with the minutes when they are sent out). These headings are: (1) Communications equipment, (2) Generators, (3) Miscellaneous, (4) Operator certification, (5) Pumps, (6) Safety equipment, (7) Trash pumps with hoses and (8) Vehicles. Steve Smokey brought up the question of providing equipment that may not be licensed or have proper fuel for over-the-road transport. Skip Rapp noted that, in North Dakota, trailers are not required to be licensed and said he would contact his county emergency manager in regard to these issues. Specific information about each piece of equipment will also need to be kept on hand to make sure the requester knows what to expect.
3. NIMS/ICS Employee Training: Greg Wavra noted that there were 47 participants in the Water/ Wastewater-specific NIMS and ICS 100 and 700 training presented in October of 2008 and 2009. Greg expects any future training will be for higher level courses. NOTE: If any water/wastewater systems still need the 100 and 700 NIMS/ICS training, the U.S. EPA and Water ISAC will be hosting a webinar series on the Incident Command System (ICS) and National Incident Management System (NIMS). You may sign up at www.waterisac.org under the "News and Events" section.
 4. Accessing WARN During Emergencies: Eric Volk updated the group on accessing the NDWARN system. First access to WARN would be through the website when completed. Discussion took place on who would be available 24/7. Greg noted that members are asked to identify that person when they enter their system-specific information into the website's database. Discussion on Chain of Command information and the need to involve County Emergency Managers in the NDWARN program ensued. Eric also noted the website design has a Member Emergency Information Center. Members can add an emergency, request resources from the equipment drop-down menu, as well as add the details about the equipment needed in a comments box for each incident. At the bottom of the page is a button that sends an e-mail notification stating the equipment needed and contact information for the requester. This can be sent to all NDWARN members who then must decide if they have the equipment requested and if they are able to send it. If they can send aid, they will contact the requester and work out the details.
 5. Utility Development of Emergency Plans: Skip Rapp gave a presentation on the need for emergency planning at both the ND Water and Pollution Control Conference and the ND Rural Water Expo. He can make the Powerpoint presentation available. He also noted that membership in NDWARN is free and open to all utilities. He stated for now several water sector associations are supporting the development of the website; however, there may be a need for fees or some other income mechanism to maintain the system in the future.
 6. Development of Emergency Mobile Operations Vehicle: Joe LaFave noted that equipping a trailer is an expensive proposition. He will continue to work on finding funding options for this project.
 7. ND Non-Profit Corporation Articles of Incorporation: Non-profit status was granted to NDWARN on November 1, 2009 from the ND Secretary of State Office. We have 18 months from that date to apply for the federal 501-c(3) tax exempt status. It was agreed that we should follow through with the application.
 8. EPA Security/Preparedness Grant: This grant has funding available to the NDDH for use in water sector security and emergency preparedness activities. Greg, Eric and Larry Thelen of the NDDH met with Ken Jarolimek and Kathleen Donahue of North Dakota's Department of Emergency Services in late December of 2009. The goal of the meeting was to see how we could accomplish regional development and coordination of the water sector with regard to security and emergency management practices for the protection of North Dakota's citizens during times of need. A workplan has been developed to accomplish this goal and we will continue to pursue this project.

New Business

1. Tabletop Exercise Planning Provided by EPA: On April 29 and 30, there will be a formal workshop and tabletop exercise at the Ramada Plaza Suites & Convention Center in Fargo. This training is sponsored by the EPA (Washington, D.C.) and their contractors. This workshop is free of charge and is dependent on flooding conditions within the state at the time. A tentative schedule of events has been developed and will be forwarded with the minutes of this meeting. Visit www.thetestportal.com/warnttx to register.
2. Webcast for Emergency Management Assistance Compact (EMAC) Coordinators: On January 19, 2010 a webcast was presented across the country to all EMAC administrators and coordinators. The goal of

the webcast was to get EMAC personnel comfortable with the WARN concept. All WARN programs across the country would use EMAC as the mechanism for interstate mutual aid and assistance for the water sector. This webcast was viewed with the ND Department of Emergency Services at its headquarters located at Fraine Barracks in Bismarck. We will look at the possibility of more involvement with this after the spring flooding has subsided.

3. Water Security Congress September 12-15, 2010
Nashville, TN: In the past, the acting NDWARN State Chair has attended this in Denver. It was paid for by an EPA/AWWA grant. We are looking into the possibility of trying to send at least two or three people to this conference.

Wrap Up

1. There will be an article on NDWARN in the March issue of the *North Dakota Water* magazine. The article will include the link for the tabletop exercise in Fargo on April 29 and 30.

North Dakota Water Environment Association Executive Committee Meeting Minutes

February 10, 2010

The Executive Committee for the North Dakota Water Environment Association (NDWEA) met at the Seven Seas in Mandan on February 10, 2010. Present were President Skip Rapp, President-Elect Karla Olson, Vice President Don Tucker, Past President Eric Dodds, Professional Wastewater Operations Representative Terry Rust, and Secretary/Treasurer Bill Gefroh. Also attending were NDWEA operations and safety committee member Gary Bracht; NDWEA members Steve Largo and Tim Paustian; student members Dave Carlson, University of North Dakota (UND), NDWEA student chapter president; and Jacob Strombeck, North Dakota State University (NDSU) NDWEA student chapter vice president.

President Rapp called the meeting to order at 11:15 a.m. President Rapp entertained a motion to dispense with the reading and approval of the minutes from May 20, 2009, as distributed to the Executive Committee members. Eric Dodds so moved. Terry Rust seconded the motion, and the motion carried.

Bill Gefroh presented the Treasurer's Report, which reviewed in detail the receipts and expenses from January through December 31, 2009. The NDWEA net worth, as recorded in the report was \$7,073.08, as compared to \$8,084.55 last year at this time. President Rapp requested a motion to approve the report as presented. Eric Dodds

2. Skip will look into the equipment transport and licensing questions.
3. The 2010 meeting schedule will be revisited in April at the conclusion of the tabletop exercise activity in Fargo.
4. Steve Ellefson gave a brief synopsis of the Power Company Cooperatives mutual aid programs and how they work. Maintenance supervisors/managers call neighboring co-ops. Each co-op has a pre-approved list of equipment and reimbursement information. When a situation grows, the co-ops call Dennis Hill who is their state manager to start their network.
5. The go ahead was given for the website development. Greg will keep members posted on progress.
6. A thank you was extended to Greg and NDDH, as well as Eric and ND Rural Water for taking the lead on the development of NDWARN.

Greg Wavra
Facilitator

so moved. Karla Olson seconded the motion and the motion carried. Bill Gefroh reported that the current NDWEA membership is at 153, compared to 146 this time last year.

New Business:

There was discussion of potential topics and speakers for the 2010 North Dakota Water and Pollution Control Conference (NDWPCC). Topics suggested were:

1. NDSU student group – classic wastewater topic as to be presented at Water Environment Federation Technical Exposition (WEFTEC)
2. UND student group – membrane brine reuse, as to be presented at WEFTEC
3. Wastewater Nutrient Removal Rule (upcoming) – Gary Bracht
4. Wastewater panel discussion
5. Basic wastewater treatment – Bill Gefroh

Committee members will further investigate these presentation topics and other topics, and bring their findings to the next NDWEA meeting in May 2010. It was recommended that the UND and NDSU student groups rotate between doing the classic wastewater topic and the environmental topic yearly for presentation at WEFTEC.

The NDWEA will continue its support for the North Dakota Science Fair by providing awards and judges. Plaques and \$75 cash prizes will be presented to the best water quality project for both the junior and senior divisions. NDWEA may also provide travel expenses (up to \$1,000) for a worthy project for one student and his or her teacher to compete nationally at the Stockholm Junior Water Prize competition (SJWP) to be held at St. Louis, Missouri, June 17 - 20, 2010. NDWEA members who volunteered to be judges at the 2010 science fair are Karla Olson and Wei Lin.

NDWEA committee members discussed educational support for 2010. Karla Olson made a motion that NDWEA provide:

- \$500 to the Gateway to Science in Bismarck
- \$500 to the River Keepers in Fargo
- \$100 to the Water Environment Research Foundation
- ~\$100 for science fair plaques and \$150 for cash prizes
- Up to \$1,000 to be used for transportation for a science fair student and teacher to compete for the national SJWP
- \$500 to the NDSU Student Chapter activity fund to be used for expenses incurred for attending the 2010 WEFTEC in New Orleans to participate in the student design competition

- \$500 to the UND Student Chapter activity fund to be used for expenses incurred for attending the 2010 WEFTEC in New Orleans to participate in the student design competition
 - \$100 to Keep North Dakota Clean Poster Contest
- Don Tucker seconded the motion, and the motion carried.

Karla Olson made a motion to provide the North Dakota Wastewater Agency Response Network with \$350 to be used for starting their web page. Terry Rust seconded the motion, and the motion carried.

In 2010, NDWEA would like to present the Burke Safety Award at the annual NDWPCC banquet. Mr. Gefroh was directed to solicit applications from the NDWEA membership for the Burke Safety Award. The awards committee will be requested to review the application and to select the Burke award winner.

Eric Dodds made a motion to adjourn, Karla Olson seconded the motion, and the meeting adjourned at 1:05 p.m.

Respectfully submitted,
Bill Gefroh
NDWEA Secretary/Treasurer

APWA North Dakota Chapter Executive Committee Meeting Minutes

February 10, 2010

I. CALL TO ORDER:

President Darin Schaeffer called the meeting to order.

this time. He will also look at trying to attend the next national conference.

II. ROLL CALL

Present were: Rusten Roteliuk, Chuck Abel, Darin Schaeffer, Shawn Soehren, Chad Zander, Lance Meyer and Dan Jonasson.

Absent were: Roger Grimsley & Rick Gillund

VI. COMMITTEE REPORT:

Audit Committee: Volunteers are needed to audit the financial records. Chad Zander and Lance Meyer offered to audit the financial records.

III. MINUTES:

MOTION BY: Rusten Roteliuk

SECONDED BY: Chuck Abel

To approve the minutes dated October 20, 2009 as presented.

DISPOSITION: Motion carried unanimously.

VII. OLD BUSINESS:

Regarding the director vacancy, Chuck reported that Roger Grimsley of AE2S is not a member of APWA and has been offered membership at reduced price, but there has been no response. Due to Roger not being a paid member of APWA, he cannot be a director; therefore, a vacancy exists and will be left vacant until the fall elections.

IV. TREASURER'S REPORT:

MOTION BY: Shawn Soehren

SECONDED BY: Chuck Abel

To accept the Treasurer's report as presented.

DISPOSITION: Motion carried unanimously.

VIII. NEW BUSINESS:

Project of the Year Awards – Rusten reported that the request for projects will be published in the *Official Bulletin* and the *City Scan* soliciting projects. He will also send letters out to all of the firms in North Dakota. The date for submitting the projects is May 17, 2010.

V. DELEGATE REPORT:

The need for a new delegate was discussed. Rusten will look into possible delegates. He has nothing to report at

NDWPC 2010 conference sessions – Members should be thinking of possible topics for the fall conference. These

can be discussed at the May meeting and then sent to Mike Brisben as possible topics for the fall conference.

Drinking Water Week – APWA chapter will again participate in the cost for promoting Drinking Water Week.

National Public Works Week – Proclamation will be sent out for the governor’s signature, and as a photo will be taken with the governor promoting Public Works Week. The president of the APWA chapter will attend the photo session with the governor.

Gateway to Science – We previously sponsored four schools with the amount of \$1200 – everyone agreed that this should continue.

Keep ND Clean – This group has asked for sponsorship. This was tabled until the next meeting so each member can research this more at www.keepndclean.com, and determine if it relates to public works, and if we want to sponsor this group.

Student Chapter Membership – We will maintain a sponsorship of \$1000 to promote student members as budgeted. Darin will serve as contact for the student members.

ND WARN – Sponsorship for ND web site

MOTION BY: Rusten Roteliuk

SECONDED BY: Lance Meyer

To provide up to \$350 toward creation of a web site for the ND WARN system

DISPOSITION: Motion carried unanimously

ADJOURNMENT:

MOTION BY: Chad Zander

SECONDED BY: Lance Meyer

To adjourn the meeting.

DISPOSITION: Motion carried unanimously.

Submitted by:

Dan Jonasson

Secretary/Treasurer

North Dakota Water Environment Association Executive Committee Meeting Minutes

May 26, 2010

The Executive Committee for the North Dakota Water Environment Association (NDWEA) met at the Seven Seas in Mandan on May 26, 2010. Present were President Skip Rapp, President-Elect Karla Olson, Vice President Don Tucker, Past President Eric Dodds and Director Tom Welle. Also attending were NDWEA Operations and Safety Committee member Gary Bracht, NDWEA members Seth Lynne and Tim Paustian, and student members Brian Kistner and Jacob Strombeck.

President Rapp called the meeting to order. Karla Olson made a motion to dispense with the reading and approval of the minutes, and Eric Dodds seconded the motion. With no discussion, the motion carried.

Treasurer’s Report: Skip provided a summary of the financial statement. There was no discussion. The NDWEA net worth, as recorded in the report was \$4,398.13, as compared to \$6,104.12 last year at this time. Seth Lynne made a motion to approve the treasurer’s Report. It was seconded by Karla, and the motion carried.

Membership Report: Skip Rapp provided a summary of the membership report, which was emailed prior to this meeting. As of May 4, 2010, the membership was 156 (including 53 students).

Old Business: North Dakota Water and Pollution Control Conference (NDWPCC) Topics:

- Student teams presenting at the Water Environment Federation Technical Exposition will present at the NDWPCC (30 min. each, one hour total, from the North Dakota State University and University of North Dakota teams)
- North Dakota Department of Health (NDDH) – Hot Topics/Regulatory Issues presentation (30 min., Gary Bracht)
- Oil field/growth-related wastewater issues – “Man Camp” Wastewater (30 min., Gary Bracht will research the NDDH staff for a presenter and presentation options)
- Fargo Sewer Projects (one hour, potential speaker – Brenda Derrig, Eric Dodds/Seth Lynne will follow-up with commitment from Brenda)
- Lagoons – Operations & Maintenance (30 min., Karla Olson – as previously presented at the Minnesota Rural Water Association meeting)
- Wastewater Treatment (30 min., Bill Gefroh)
- Panel Discussion – Wastewater Treatment, Karla Olson will moderate with focused topic and prepared questions. Potential topics: hauled waste, sampling and permitting.

(NDWEA Minutes... Continued on page 31)

Mapping Ground Water Rule Requirements: Introduction to the Rule

Environmental Protection Agency, Office of Ground Water

The Ground Water Rule (GWR) is flexible in that it requires state involvement to ensure systems are compliant. The United States Environmental Protection Agency (USEPA) encourages ground water systems (GWSs) to openly discuss GWR requirements with state authorities to ensure compliance with state regulations.

What is the Purpose of the Ground Water Rule?

The GWR became effective December 1, 2009, and applies to public water systems relying on ground water sources and systems that introduce ground water directly to the distribution system without treatment equivalent to the treatment provided to surface water. The purpose of the rule is to provide increased protection against microbial pathogens in public water systems that use ground water sources. USEPA is particularly concerned about harmful viruses and bacteria. USEPA uses fecal contamination as an indicator of the presence of pathogens in the aquifer that may have implications for public health, including sensitive subpopulations, (e.g., the elderly, pregnant women, children, and individuals with compromised immune systems). Examples of viral pathogens that have been found in ground water sources include enteric viruses such as Echovirus, Hepatitis A and E, Rotavirus and Noroviruses (i.e., Norwalk-like viruses); and enteric bacterial pathogens like *Escherichia coli* (including *E. coli* O157:H7), *Salmonella* species, *Shigella* species, and *Vibrio cholerae*. Ingestion of these and/or other pathogens can cause gastroenteritis or, in certain rare cases, serious illnesses such as meningitis, hepatitis, or myocarditis. It is estimated that the GWR will prevent approximately 42,000 cases of viral illness and one related death annually.

Like the Stage 2 Disinfectants and Disinfection Byproducts Rule (Stage 2 DBPR) and Long-Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR), the GWR highlights the relationship between wholesale and consecutive systems. Some GWR requirements specify that wholesale and consecutive systems communicate with one another in order to comply with the rule.

Ground Water Systems: Critical Deadlines and Requirements

The GWR is a targeted, risk-based regulation. The rule relies on four major components that became effective December 1, 2009, as shown in Table 1.

The requirements that a GWS must follow under the GWR are based on whether the GWS provides at least 4-log treatment, as follows:

1. GWSs that consistently and reliably provide at least 4-log virus inactivation, removal, or a state-approved combination of these technologies before or at the first customer have the option of conducting compliance monitoring, as illustrated in Figure 1.
2. GWSs that do not provide at least 4-log virus inactivation, removal, or a state-approved combination of these technologies before or at the first customer must comply with the triggered source water monitoring provision of the rule, as illustrated in Figure 2.

Table 1. GWR Rule Requirement Components

GWR Component	Description of Requirement Effective December 1, 2009
Source Water Monitoring	If a system does not provide 4-log treatment and is notified of a total coliform-positive sample collected under the Total Coliform Rule (TCR), it must conduct triggered source water monitoring. These water systems may also be directed by their state to conduct additional and/or assessment monitoring.
Compliance Monitoring	Submit written notification to the state if the system intends to provide at least 4-log treatment, and begin conducting compliance monitoring .
Sanitary Surveys	Provide the state with any existing information that will enable the state to conduct a sanitary survey.
Corrective Action	Complete the task or action required by the state in the event that a) the state identifies a significant deficiency, or b) a triggered source water monitoring sample or one of the five additional ground water source samples tests positive for fecal contamination.

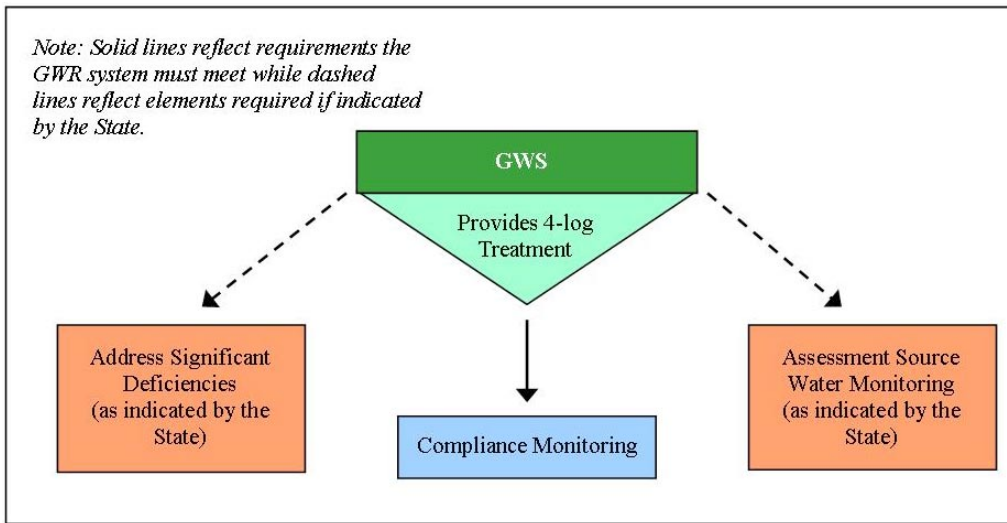


Figure 1: GWR requirements for systems providing 4-log treatment.

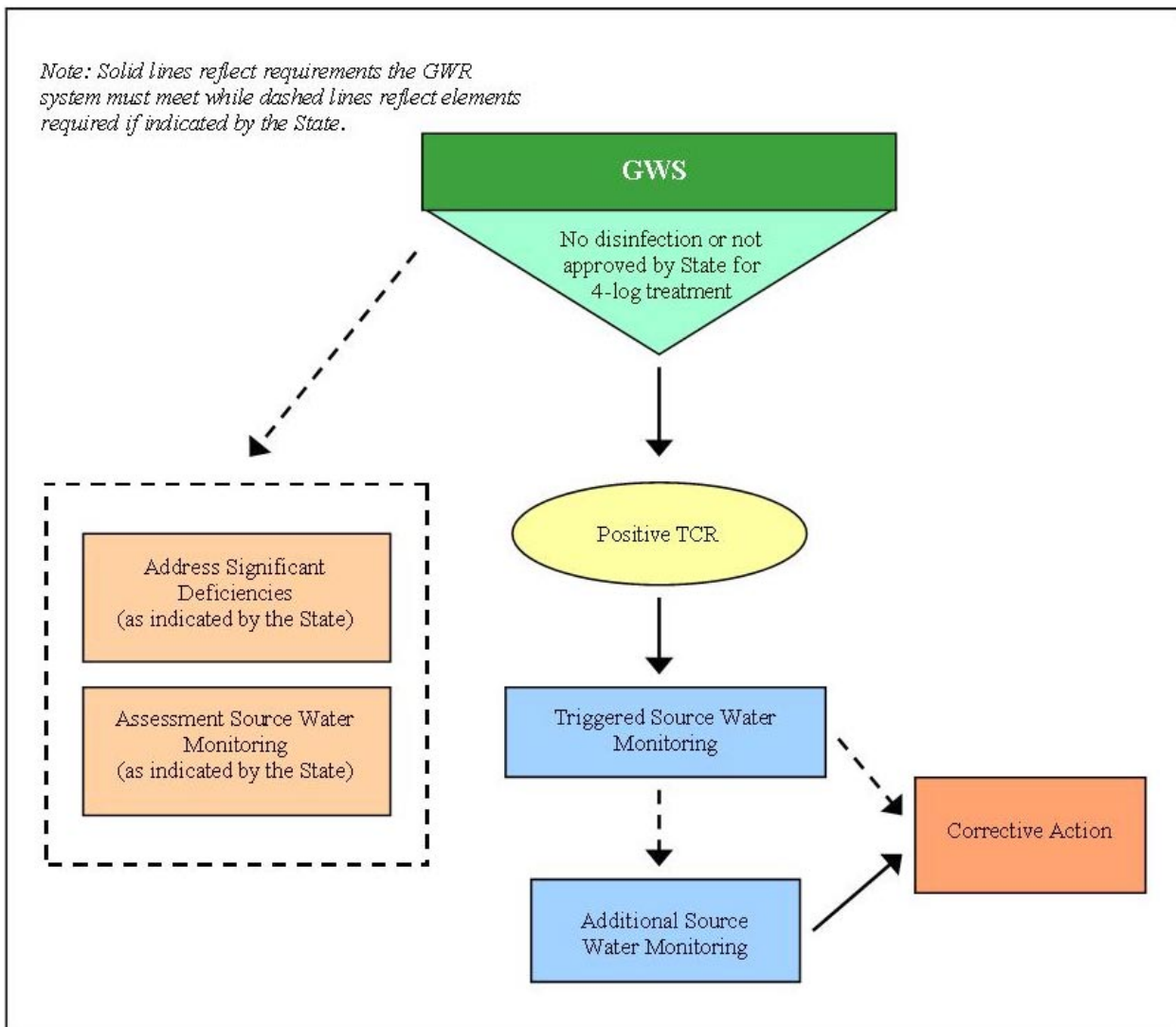


Figure 2: GWR requirements for systems not providing 4-log treatment.

There are some GWR requirements that apply to all GWSs and are not dependent on whether treatment is provided. These include resolving significant deficiencies, completing corrective action, and follow-up and/or assessment source water monitoring. Significant deficiencies, follow-up, and/or assessment monitoring are components of the GWR that the state may require at any time and do not have to be directly a result of a total coliform-positive (TC+) or fecal indicator-positive (FI+) sample. A significant deficiency can be identified at any time by the state but is typically found during a sanitary survey. Follow-up and assessment monitoring consist of state-directed monitoring requirements used to determine the quality of the system's water source. Follow-up monitoring may be done in response to a TC+ sample result, and source water assessment monitoring can be requested at any time at the discretion of the state.

Frequently Asked Questions Regarding the Ground Water Rule:

Question #1: Does the GWR require all GWSs to disinfect?

No. The requirements of the rule are based on the level of treatment the GWS provides. If the system reliably provides 4-log treatment of viruses and wants to conduct compliance monitoring, it will have to submit a notice, get approval, and monitor for disinfectant residual at or before the first customer as described in Figure 1. If the system provides less than 4-log treatment of viruses, the GWS will need to comply with the triggered source water monitoring requirements as described in Figure 2.

Question #2: What is the first deadline that GWSs have to comply with?

By December 1, 2009, GWSs must inform their primacy agency if they reliably provide 4-log level of treatment and want to conduct compliance monitoring. If they do not meet the specified level of treatment, the system must be prepared to conduct triggered source water monitoring by the December 1, 2009 deadline. See Table 1 for more detailed information.

Question #3: Are there any tools available to help me calculate whether my water system meets the 4-log treatment requirement?

Yes. EPA has developed a tool that will assist GWSs in determining whether they meet the 4-log treatment of viruses. This tool, distributed to the EPA regions and states, can be located at <http://www.epa.gov/OGWDW/disinfection/gwr/compliancehelp.html>. States may have also developed their own tools, so please check with your primacy agency for more information.

Training Opportunities

Currently, USEPA Headquarters has not scheduled any additional workshops or webcast trainings on the GWR; however, there still may be trainings sponsored by your state, EPA region, or technical assistance providers. Contact your EPA region or state for more information on workshops or trainings that may be held near you. For more information on the GWR, please visit the GWR homepage at: www.epa.gov/safewater/disinfection/gwr.

(NDWEA Minutes... continued from page 28)

Constitution and By Laws: Contingent changes, which have been submitted to the Water Environment Federation (WEF), were reviewed. Comments from WEF are expected back in about 30 days. NDWEA may need to replace "director" with "delegate." A motion to approve the changes was made by Seth Lynne; it was seconded by Don Tucker, and the motion passed.

The NDWEA 2010 state Stockholm Junior Water Prize State Winner is Patrick Gulan from Hankinson High School. The title of his research paper is "An Inquisition into the Hydro-Conditions of Tile Drainage Runoff." Pat and his science teacher Marcus Friskop will compete nationally June 17–20, 2010 in St. Louis, Mo.

New Business: Eric Dodds, Delegate-At-Large provided a brief summary of the Water Environment Federation Member Association Exchange meeting that was held in Cleveland, Ohio.

The next NDWEA board meeting will be held on Tuesday, October 12, 2010 at 8:00 a.m. Future board meeting times will be considered prior to the Joint Board morning. This discussion was tabled until October.

WEF Delegate: The Nominating Committee (Gary Bracht, Seth Lynne, and Eric Dodds) will consider delegate candidates and make their recommendation prior to the October 2010 NDWEA meeting. Time and financial commitments need to be finalized.

With no further business, the meeting was adjourned.

Respectfully submitted,
Eric Dodds
Past President

Drinking Water Program Directory

Program Administrator	Larry Thelen	701-328-5257
Acrylamide and Epichlorohydrin Rule	Gary Stefanovsky	701-328-5287
Arsenic Rule	Katie Luther	701-328-5258
Consumer Confidence Reports	LeeAnn Tillotson	701-328-5293
Disinfectant/Disinfection Byproducts Rule (TTHM, HAA5) Stage 1 and Stage 2 Rule	Lydia Fewless	701-328-5221
Filter and Backwash Recycle Rule	Gary Stefanovsky	701-328-5287
Fluoride Addition	Katie Luther	701-328-5258
Groundwater Rule	Gary Stefanovsky	701-328-5287
Inspections: Northeast	Gregg Stewart	701-328-6621
Inspections: Northwest	Bob Markhouse	701-328-6623
Inspections: Southeast	Chad Miller	701-328-6375
Inspections: Southwest	Darin Billing	701-328-6624
Lead and Copper Rule	Katie Luther	701-328-5258
Surface Water Treatment Rule: Interim Enhanced, Long Term 1 Enhanced, Long Term 2 Enhanced	Greg Wavra	701-328-5224
Microscopic Particulate Analysis (MPA)	Gary Stefanovsky	701-328-5287
Nitrate/Nitrite Program	Katie Luther	701-328-5258
Operator Certification	Craig Bartholomay	701-328-6626
Operator Expense Reimbursement	Tara Ritter	701-328-5269
Operator Training	Mike Brisben	701-328-6622
Pesticides	Lydia Fewless	701-328-5221
Primary and Secondary Inorganics	Lydia Fewless	701-328-5221
Public Notice Rule	LeeAnn Tillotson	701-328-5293
Public Water System Updates (changes to source, treatment, contact, etc.)	Tammy Lamphear	701-328-5295
Radionuclide Rule: Gross Alpha, Total Radium, Uranium	Lydia Fewless	701-328-5221
Total Coliform Rule	Jeni Walsh	701-328-5231
Unregulated Contaminant Monitoring	LeeAnn Tillotson	701-328-5293
Volatile Organic Chemicals (VOCs)	Lydia Fewless	701-328-5221

Central Phone: 701-328-5211

Fax: 701-328-5200

North Dakota Pollutant Discharge Elimination System Program Directory

Program Administrator	Gary Bracht	701-328-5227
Animal Feeding Operations	Brady Espe Karl Rockeman Andrew Aakre	701-328-5228 701-328-5225 701-328-5219
Biosolids	Marty Haroldson Gary Bracht	701-328-5234 701-328-5227
Construction Stormwater	Dallas Grossman Cory Lawson	701-328-5242 701-328-5244
Dewatering and Hydrostatic Testing	Marty Haroldson	701-328-5234
Discharge Monitoring Reports (DMRs)	Curt Steier Marty Haroldson	701-328-5260 701-328-5234
DMR Quality Assurance (QA) Study	Marty Haroldson	701-328-5234
Industrial Pretreatment	Jeff Roerick	701-328-5240
Industrial Stormwater	Randy Kowalski Cory Lawson	701-328-5239 701-328-5244
Inspections	All Staff	701-328-5210
Lagoon Overflows/Releases/Spills	All Staff	701-328-5210
MS4 Stormwater	Randy Kowalski	701-328-5239
Public Notices/NDPDES Permits	Curt Steier	701-328-5260
Septic Pumper	Marty Haroldson	701-328-5234
Wastewater Discharge Approvals	Curt Steier Marty Haroldson	701-328-5260 701-328-5234

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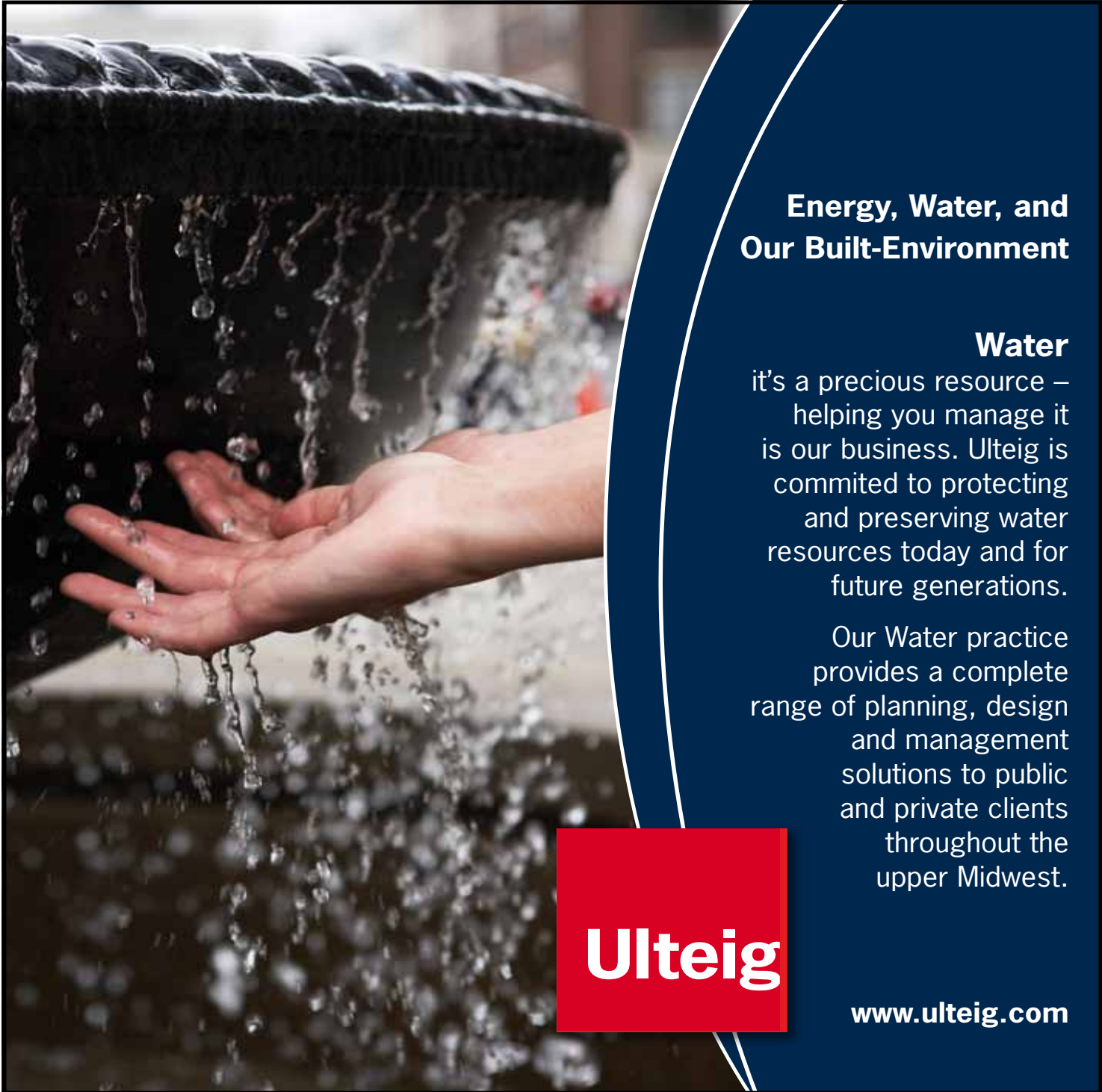
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