North Dakota Water and Pollution Control Conference

NDWPCC

OFFICIAL BULLETIN

January-June 2010
VOLUME 96 • NUMBERS 1-6
SPRING ISSUE

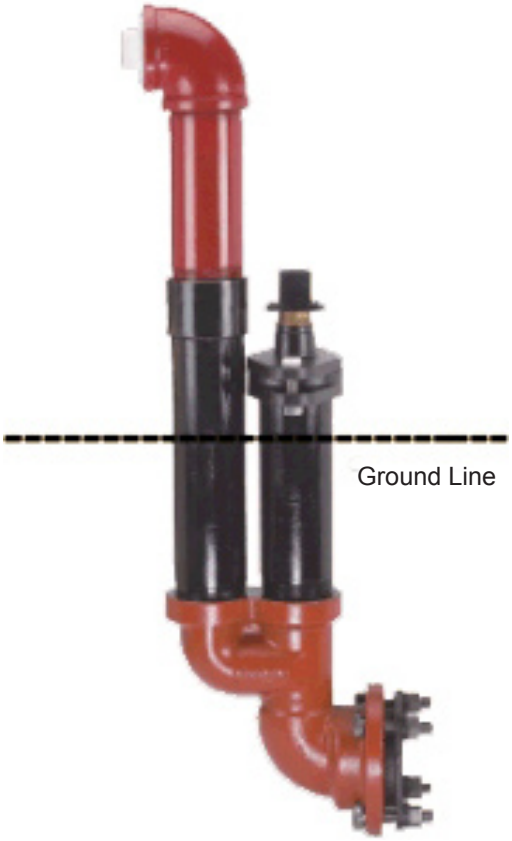
Scenes from Operator Training 2010

4" Mainguard Blow-Off

Flush Debris - - No Assembly - - Go Automatic Later

ABOVE GROUND INSTALLATION
MODEL 7500

- 4" MJ Inlet
- 4" Riser & Plug
- Specify Depth of Bury



UNDERGROUND INSTALLATION
MODEL 7600

- 4" MJ Inlet
- 4" FIP Outlet & Plug
- Specify Depth of Bury
- Install in Meter Box

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Environmental Protection Agency, Office of Ground Water

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

OFFICIAL BULLETIN

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North Dakota Water and Pollution Control Conference

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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.

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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

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).

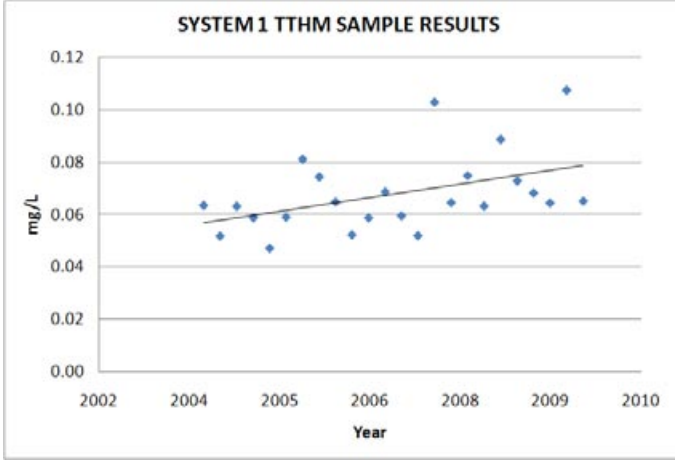
Notes:
System 1. Shares an intake with System 10. Taking one sample per quarter.
System 2. Taking four samples per quarter.
System 3. Taking one sample per quarter since June 2007.
System 4. Using a reverse osmosis system for potable water in 2009. Currently taking one sample per quarter.
System 5. Taking 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.

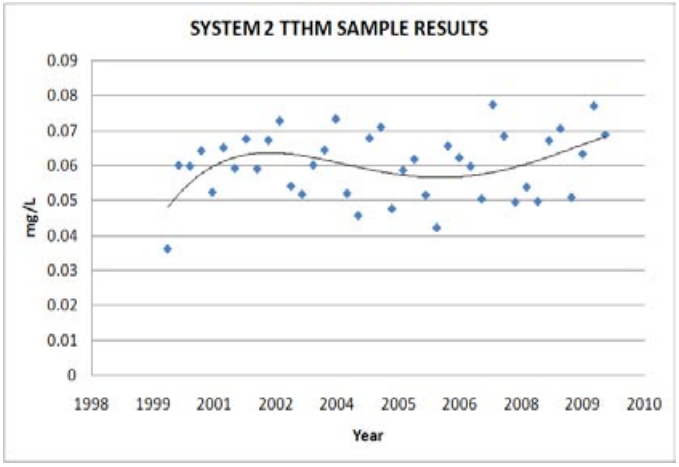
References:
Safe Drinking Water Information System, North Dakota Version 2.22, Drinking Water Watch.

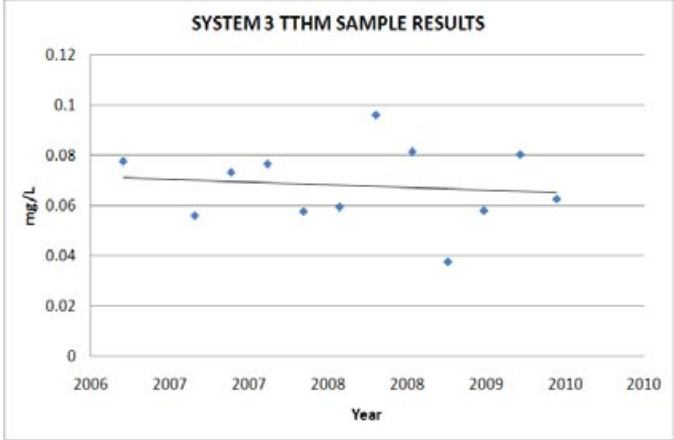
Fundamentals and Control of Nitrification in Chloraminated Drinking Water Distribution Systems, First Edition, M56, American Water Works Association, 01-Dec-2006, ISBN: 1-58321419-4.

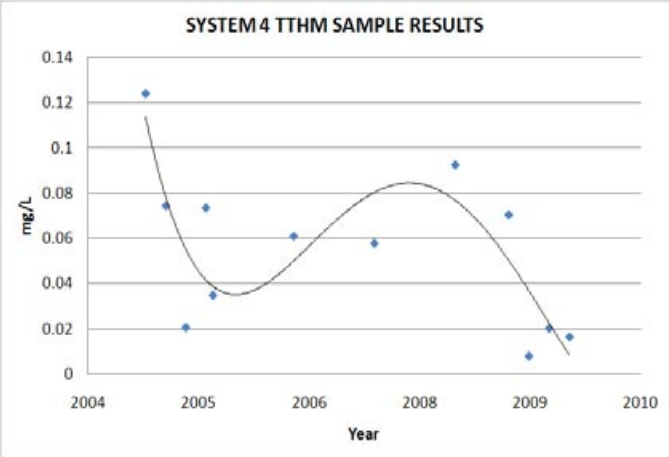
Water Chlorination and Chloramination Practices and Principles (M20), Second Edition, M20, American Water Works Association, 01-Jul-2006, ISBN: 1-58321-408-9.

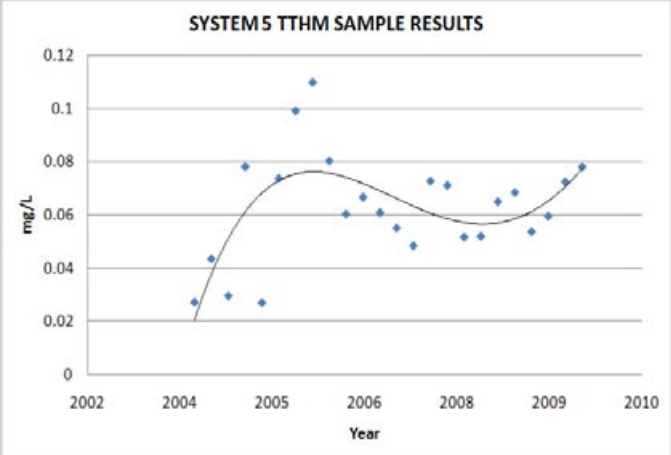
System	Treatment	Primary or Secondary Disinfection	Sample Start Date	Source Water
1	Lime Softening/Filtration	Chlorine	Mar-04	Lake to a Holding Pond
2	Lime Softening/Filtration	Chlorine	Mar-00	River
3	Lime Softening/Filtration	Chlorine	Dec-04	River to a Holding Pond
4	Lime Softening/Filtration/RO	Chlorine	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

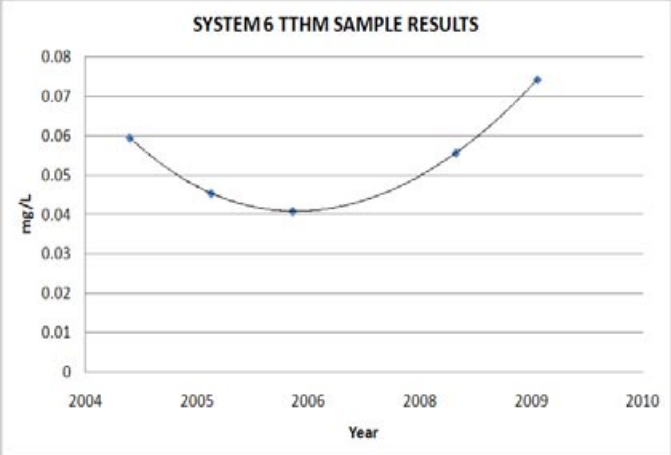

SYSTEM 1 TTHM SAMPLE RESULTS
mg/L
0.12
0.10
0.08
0.06
0.04
0.02
0.00
2002
2004
2005
2006
2008
2009
2010
Year

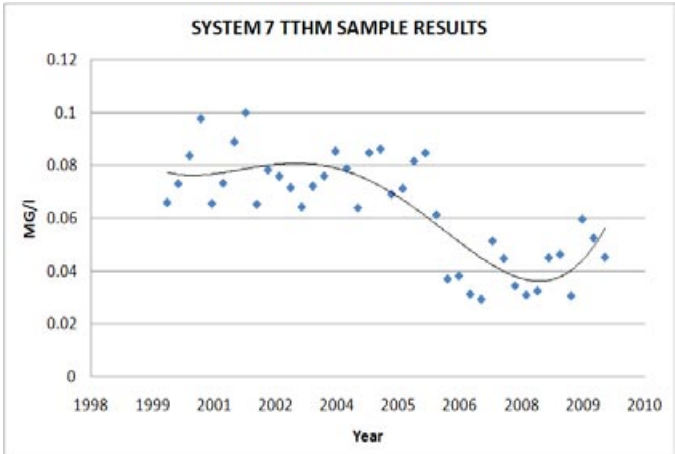

SYSTEM 2 TTHM SAMPLE RESULTS
mg/L
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
1998
1999
2001
2002
2004
2005
2006
2008
2009
2010
Year

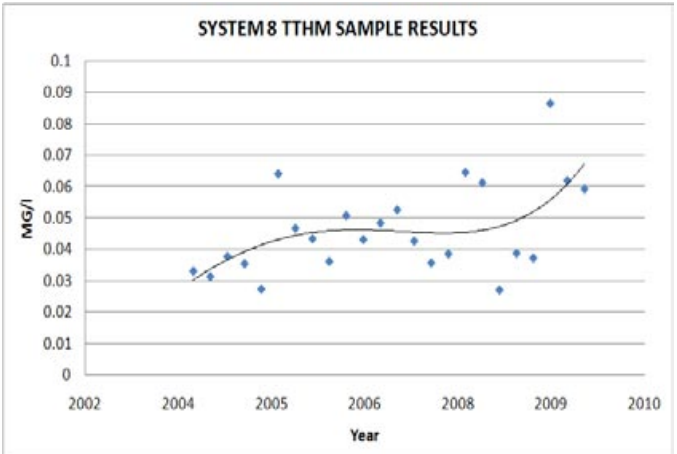

SYSTEM 3 TTHM SAMPLE RESULTS
mg/L
0.12
0.1
0.08
0.06
0.04
0.02
0
2006
2007
2007
2008
2008
2009
2010
2010
Year

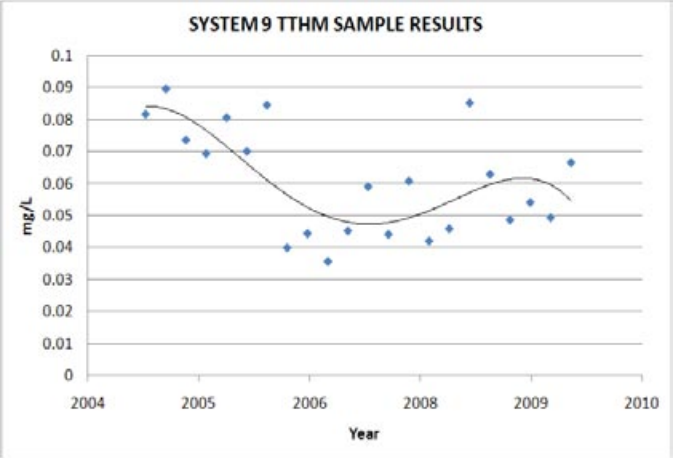

SYSTEM 4 TTHM SAMPLE RESULTS
mg/L
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
2004
2005
2006
2008
2009
2010
Year

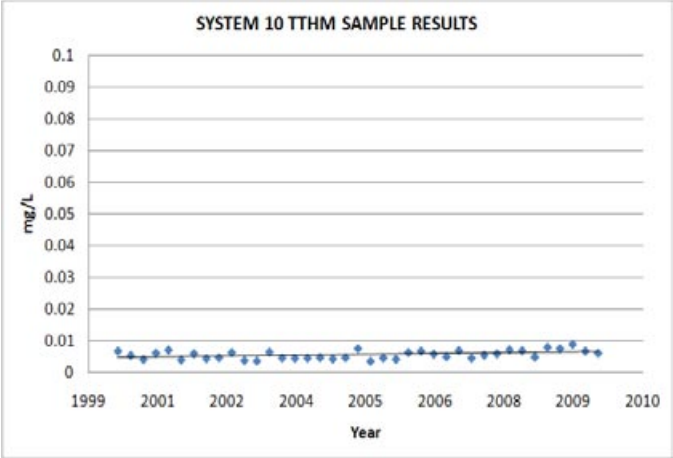

SYSTEM 5 TTHM SAMPLE RESULTS
mg/L
0.12
0.1
0.08
0.06
0.04
0.02
0
2002
2004
2005
2006
2008
2009
2010
Year

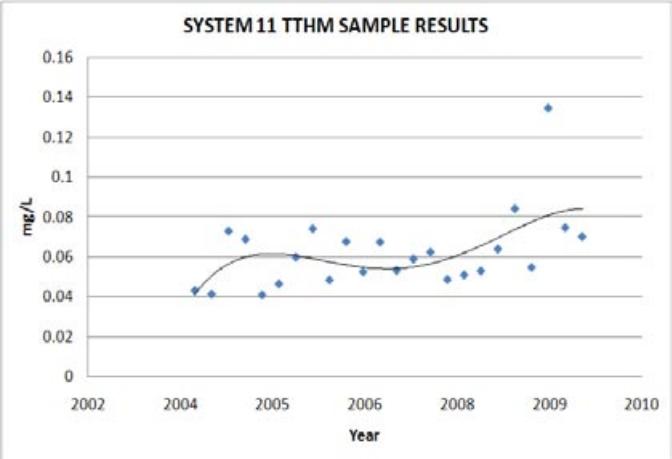

SYSTEM 6 TTHM SAMPLE RESULTS
mg/L
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
2004
2005
2006
2008
2009
2010
Year

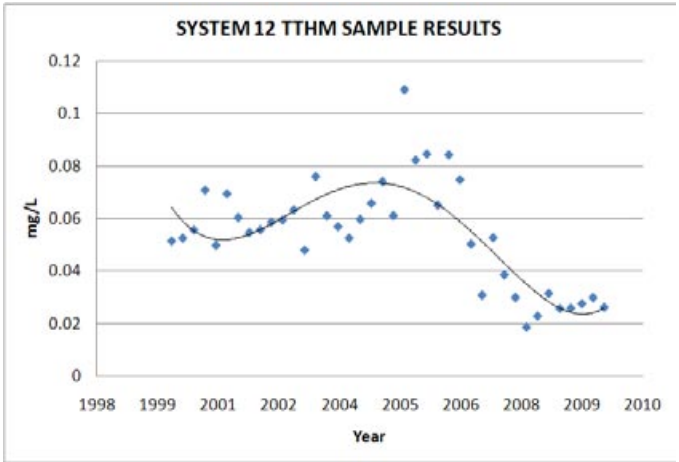

SYSTEM 7 TTHM SAMPLE RESULTS
MG/l
0.12
0.1
0.08
0.06
0.04
0.02
0
1998
1999
2001
2002
2004
2005
2006
2008
2009
2010
Year

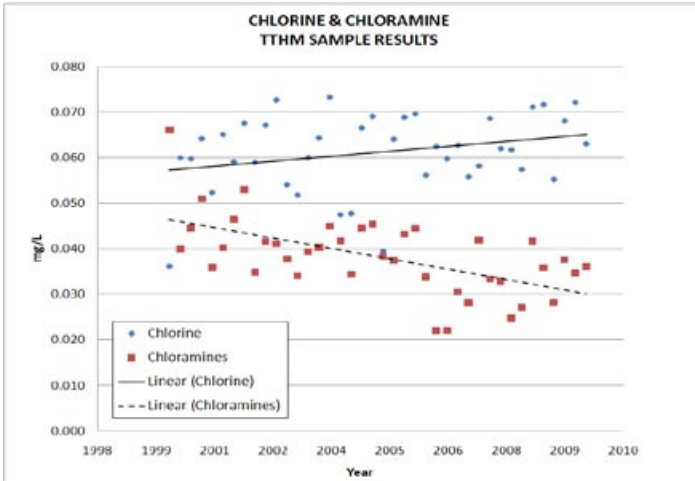

SYSTEM 8 TTHM SAMPLE RESULTS
MG/l
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
2002
2004
2005
2006
2008
2009
2010
Year











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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 McVille
Waldron, Dennis	City of Wahpeton
Westman, Eric	City of Sawyer
Zeien, Paul	Selz Water Users

Water Treatment and Distribution
(12 credits) March 8-10

Albrecht, Kenneth	City of Mandan
Allen, Joseph	City of Stanley
Bergstrom, Kenny	City of Williston
Blomeke, Jerry	Cass Rural Water Users District
Burling, Stan	Basin Electric - Lelands Olds
Cascaden, Taylor	City of Parshall
Christensen, Gregg	Cass Rural Water Users District
Christianson, Kurt	City of Minot
Cole, Adam	Grand Forks AFB
Edblad, Casey	City of Cando
Erickson, Kenny	City of Harvey
Falcon, Lloyd	R & T Water Supply Association
Fischer, Rodney	City of Stanton
Fitzgerald, Tom	Great River Energy-Coal Creek
Fricke, Randy	City of Bismarck
Friesz, Duane	City of Mandan
Garrison, Heidi	Dakota Gasification Co.
Haider, Mark	City of Minot
Harr, Wade	US Army Corps of Engineers
Hendricks, Dennis	R & T Water Supply Association
Heuer, Leslie	Cass Rural Water Users District
Higdem, Sidney	City of Medina
Hirchert, Bruce	City of New Rockford
Hopkins II, Mark	Grand Forks AFB
Hottman, Dennis	City of Napoleon
Imhoff, Jerry	City of Elgin
Isakson, Kurt	City of LaMoure
Job, Robert	City of Linton
Johnson, Roger	City of Park River
Kindelspire, Del	City of LaMoure
Lang, Troy	City of Minot
Marier, Gary	City of Casselton
Mason, Bill	City of Bowman
Mattoon, Karen	Great River Energy-Coal Creek
McKay, Rod	Basin Electric - Leland Olds
Miller, Larry	Greater Ramsey Water District
Moulton, Timothy	City of Velva
Murphy, James	Southwest Water Authority
Murphy, Tony	Belcourt Public Utilities
Pekarski, Alice	City of Montpelier
Peterson, Matthew	City of Hankinson
Phelps, Chuck	US Army Corps of Engineers
Pochant, Sallie	US Army Corps of Engineers
Reinhart, KJ	Barnes Rural Water District
Rensland, Brandon	City of Minot
Roller, Dan	Southwest Water Authority
Rossmiller, Ellen	City of Wildrose
Rossmiller, Keith	City of Wildrose
Ryckman, Michael	South Central Regional Water District
Schmidt, Dean	City of Mandan
Schollmeyer, Charles	City of Dunn Center
Scott, Jamie	City of Mandan
Taylor, Greg	City of Grenora
Trosen, Dan	City of Carrington
Troska, Marc	All Seasons Water District
Unruh, Wynne	South Central Regional Water District
Vesey, Curtis	City of Casselton
Vormestrand, Alan	City of Upham

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
Wetzel, 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
Weiand, 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 Garrsion
Brandt, Gary D.	Cargill, Inc.
Burianek, Anthony	City of Grafton
Burns, Cory	City of Grafton
Carpenter, Dwight	City of Horace
Chase Jr., Lionel	Fort Berthold Rural Water
Christie, Scott	American Crystal Sugar
Debele, Dana	City of Fargo
Differding, Jeff	City of Valley City
DuBois, Gerard	City of Dickinson
Evenson, Kelly	City of New Town
Feickert , Janice	City of Berthold
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
Janke, Ryan	City of Fargo
Jemtrud, Kelly	City of Velva
Jore, Ron	City of Arnegard
Keplin, Waylon L.	Belcourt Public Utilities
Kub, Tony	City of Wahpeton
Marier, Gary	City of Casselton
Miller, Kerry	City of Stanton
Mosbrucker, Kerry	City of Mott
Moszer, Mark	City of Bismarck
Murray, Steve	City of McClusky
Nelson, Patrick	City of Oakes
Olson, Christoper 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.

Operators Pass Exams March 3- April 21, 2010

Congratulations to these Operators!

Name	Employer	Type/Grade
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 Lavoi	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	McVille	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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rgravatt@engamerica.com

Matthew Fritze
Cell: 952-239-2264
mfritze@engamerica.com

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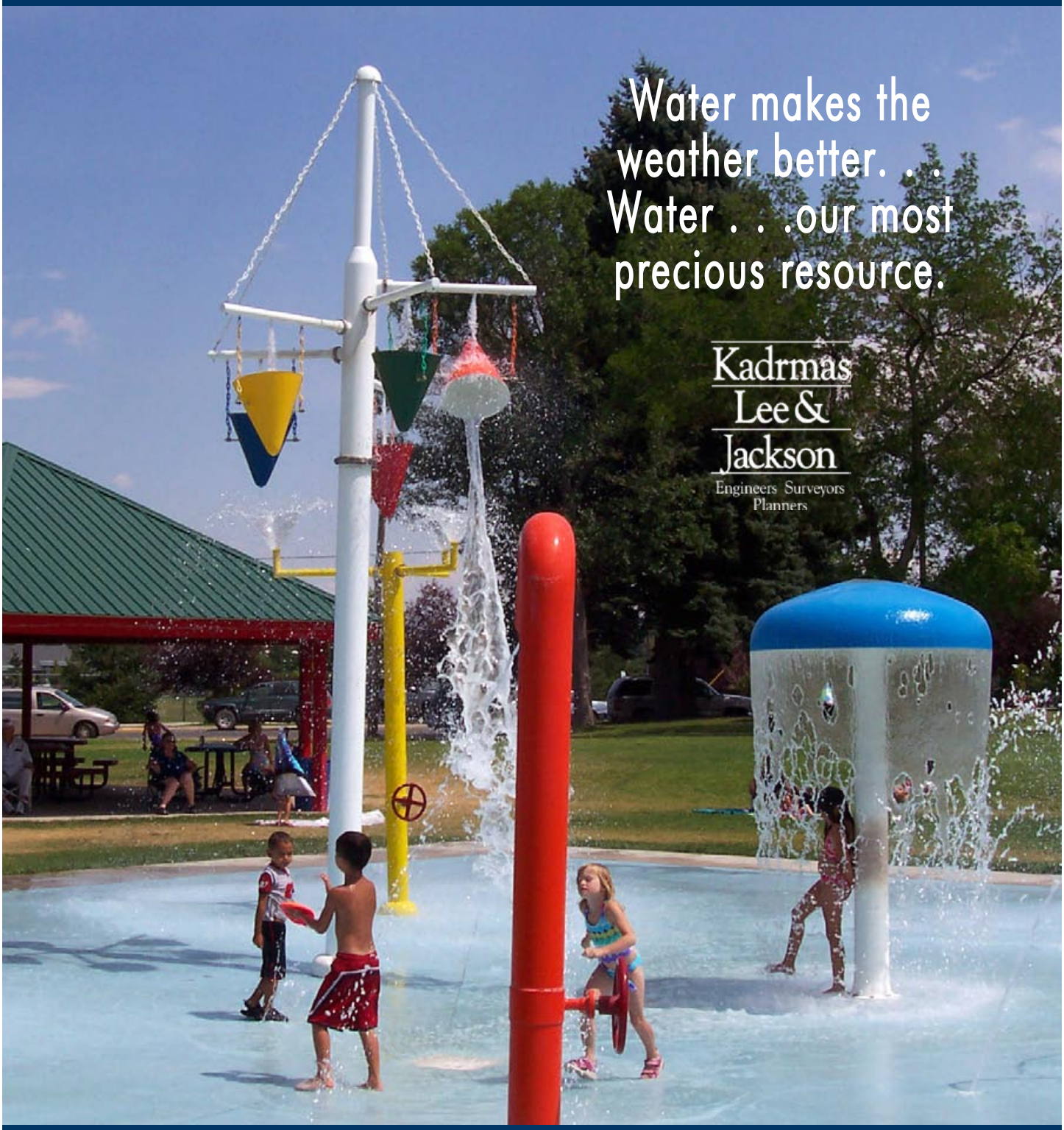

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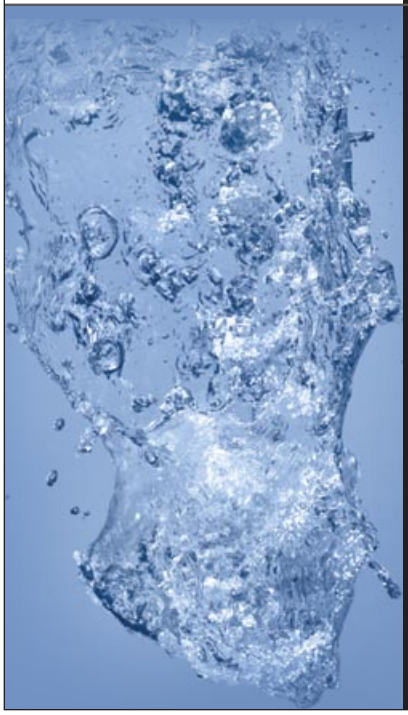

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Governor Hoeven Proclaims Drinking Water Week

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.

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.

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

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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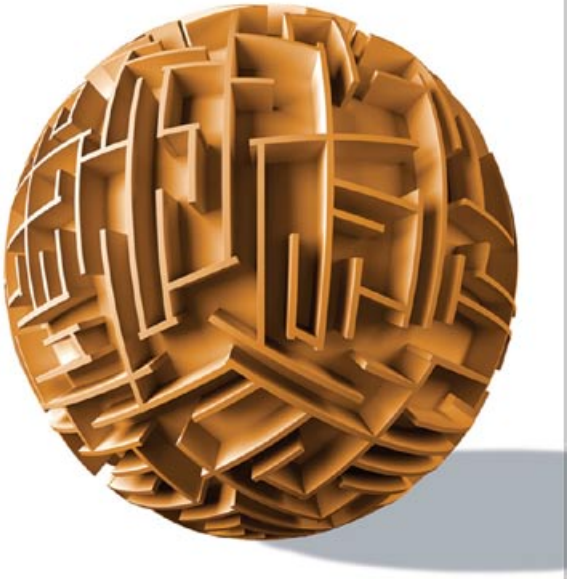

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NDWPCC JOINT BOARD MEETING MINUTES

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 Soehren, 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
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Phone: (763) 559-2837
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Website: www.tonkawater.com
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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.
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

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 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.

II. ROLL CALL
Present were: Rusten Roteliuk, Chuck Abel, Darin Schaffer, Shawn Soehren, Chad Zander, Lance Meyer and Dan Jonasson.
Absent were: Roger Grimsley & Rick Gillund

III. MINUTES:
MOTION BY: Rusten Roteliuk
SECONDED BY: Chuck Abel
To approve the minutes dated October 20, 2009 as presented.
DISPOSITION: Motion carried unanimously.

IV. TREASURER'S REPORT:
MOTION BY: Shawn Soehren
SECONDED BY: Chuck Abel
To accept the Treasurer's report as presented.
DISPOSITION: Motion carried unanimously.

V. DELEGATE REPORT:
The need for a new delegate was discussed. Rusten will look into possible delegates. He has nothing to report at this time. He will also look at trying to attend the next national conference.

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

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.

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.

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.

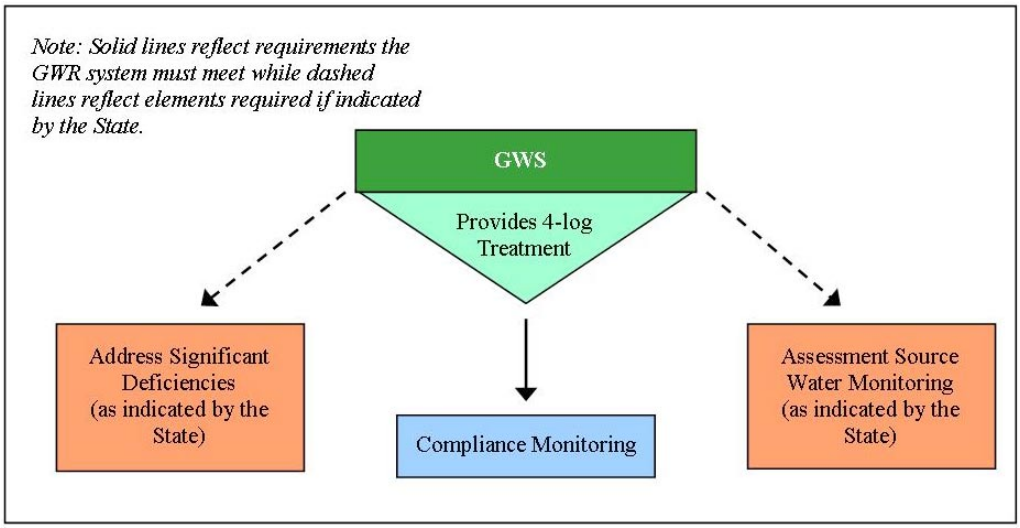

Figure 1: *GWR requirements for systems providing 4-log treatment.*

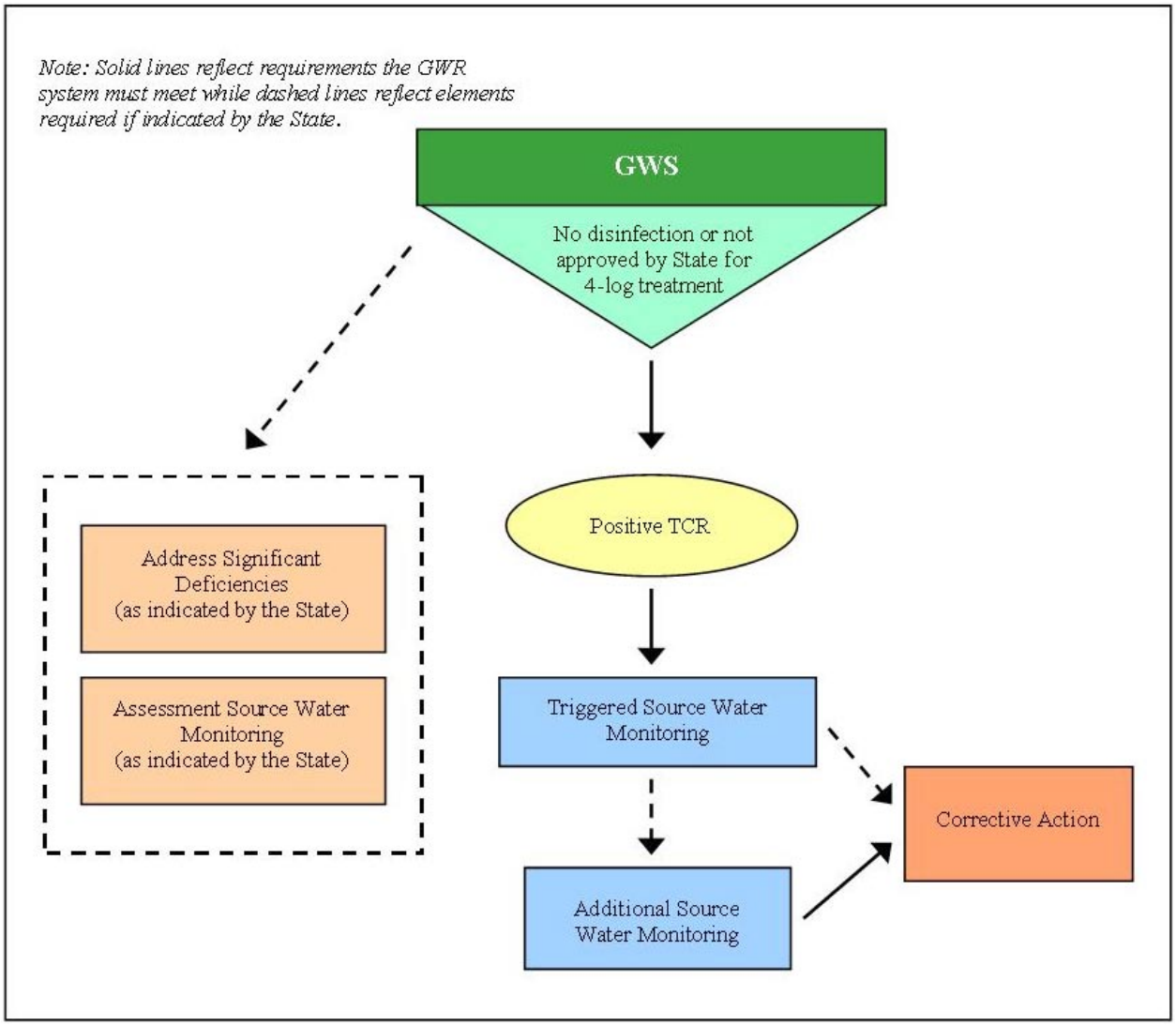

Figure 2: *GWR requirements for systems not providing 4-log treatment.*

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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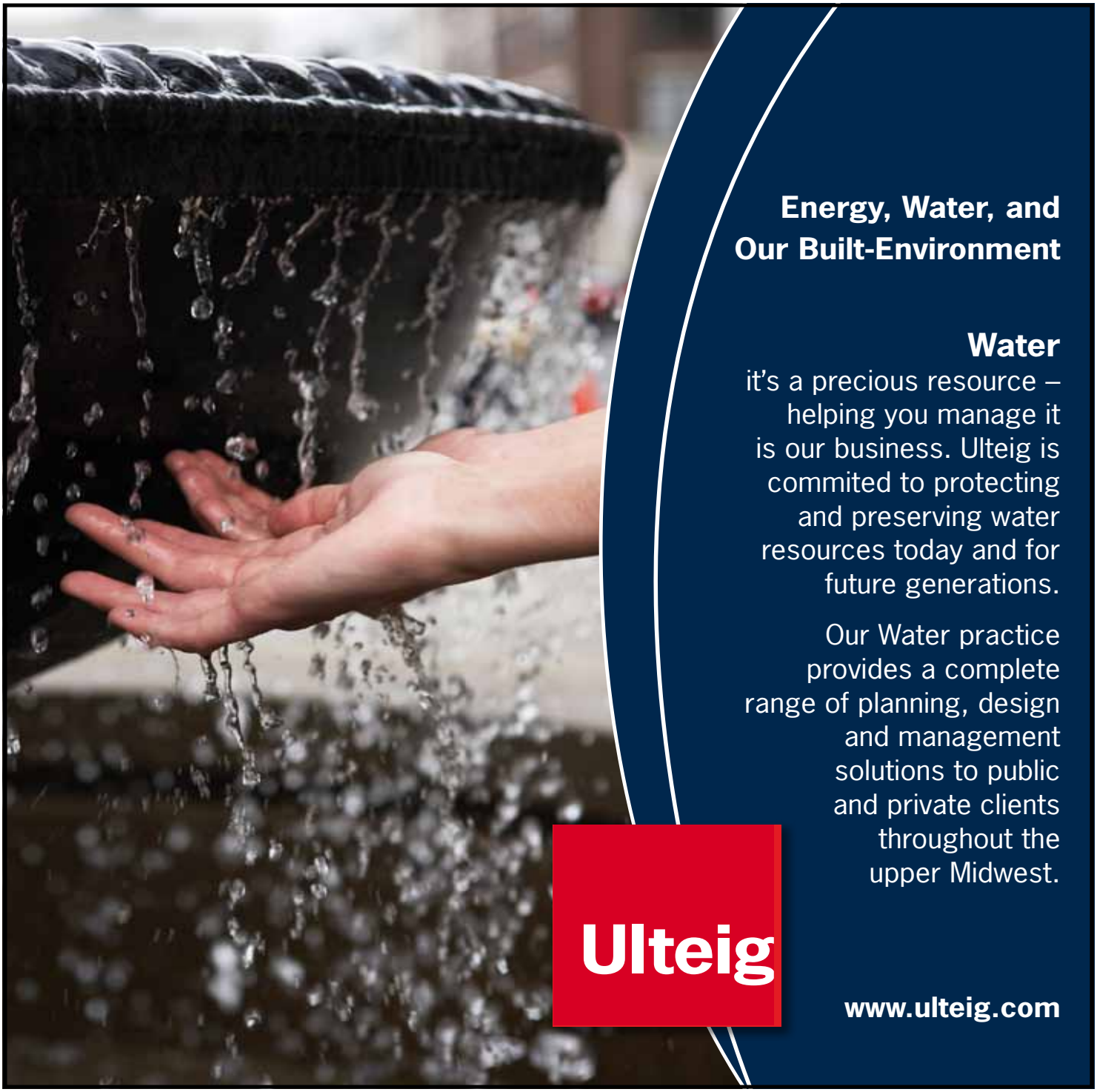
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