

NORTH DAKOTA WATER AND POLLUTION CONTROL CONFERENCE



**2013 CONSTRUCTION STORMWATER
WORKSHOP**

MARCH 26 – 27, 2013
RAMADA DOUBLEWOOD
BISMARCK, NORTH DAKOTA

Wednesday, March 26, 2013

Credit Hours: 6.2

- 7:30-8:00 Sign in/Registration
- 8:00-8:15 Welcome/Opening Remarks
- 8:15-10:00 **What's Happening at the National Level**
Leo Holm, PE; Dwayne Stenland
Resource Professionals Alliance
- 10:00-10:30 Break with vendors
- 10:30-11:55 **Vendor Presentations**
Rocky Waldin – Construction Specialties
Dan Larsen – Brock White
Andy Mastel - ADS
- 11:55 -12:00 Afternoon Announcements
- 12:00-1:00 Lunch – Picnic Buffet
- 1:00-4:00 Breakout sessions
- | | <u>Session 1 –East Heritage Room</u> | <u>Session 2 – West Heritage Room</u> |
|-----------|---|---|
| 1:00-1:45 | Mythbusters: Stormwater and Erosion Control <i>Colleen Peterson</i> <i>City of Bismarck</i> | Stormwater Engineering <i>Leo Holm, PE; Dwayne Stenland</i> <i>Resource Professionals Alliance</i> |
| 1:45-2:30 | Erosion Control on a Postage Stamp <i>Dr. Kenneth W. Andersen, PhD, CPC,</i> <i>CPESC</i> <i>KWA Constructors, Inc.</i> | The How To of Site Dewatering <i>Leo Holm, PE; Dwayne Stenland</i> <i>Resource Professionals Alliance</i> |
| 2:30-3:00 | Break with vendors | |
| 3:00-4:00 | Environmental Issues in Housing and Commercial Construction <i>Sandi Washek</i> <i>North Dakota Department of Health</i> <i>Division of Air Quality</i> | Shallow Drilling Operations, River Caissons and Shafts, Geothermal, Utility Boring <i>Leo Holm, PE; Dwayne Stenland</i> <i>Resource Professionals Alliance</i> |
| 4:00 | Adjourn | |

Wednesday, March 26, 2013

Credit Hours: 4.7

- 7:30-8:00 Sign in/Registration
- 8:00-9:00 **ND Construction General Permit**
Amanda Cross
North Dakota Department of Health
Division of Water Quality
- 9:00-10:15 **ND Mining, Extraction and Paving Material Preparation Permit (Applicable to Oil and Gas Activity)**
Luci Snowden
North Dakota Department of Health
Division of Water Quality
- 10:15-10:30 Break
- 10:30-11:00 **NDDOT's New Storm Water Special Provision**
Matt Sperry
North Dakota Department of Transportation
Environmental & Transportation Services
- 11:00-11:30 **SWPPP Tips for Oil and Gas in North Dakota**
Brenda Rettinger
Marathon Oil
- 11:30-12:00 **SWPPPs/Site Maps/Paperwork/Online Resources**
Amanda Cross, Dallas Grossman, Luci Snowden
North Dakota Department of Health
Division of Water Quality
- 12:00-1:00 Lunch – Pasta Buffet
- 1:00-1:50 **Inspection Do's and Don'ts**
Luci Snowden
North Dakota Department of Health
Division of Water Quality
- 1:50-2:00 Break
- 2:00-2:30 **Federal Rule Changes**
Dallas Grossman
North Dakota Department of Health
Division of Water Quality
- 2:30-3:00 **ND Temporary Discharge Permit**
Marty Haroldson
North Dakota Department of Health
Division of Water Quality
- 3:00 Adjourn

Biographies

Dr. Kenneth W. Andersen, PhD, CPC, CPESC
KWA Constructors, Inc

Ken is a residential contractor and a Certified Professional Constructor from West Fargo. In 2007 Ken earned the Certified Professional in Erosion and Sediment Control. For several years he wrote and edited a monthly column on stormwater management for residential construction for the Fargo/Moorhead Home Builders Association newsletter. In 2006, Ken was presented with the Builder of the Year award from the Home Builders Association of Fargo/Moorhead.

In 1991 Ken earned his doctorate from Colorado State University with an emphasis in Construction Management. Ken was a full time tenured faculty member at North Dakota State University in the Department of Construction Management and Engineering. For several years, he served as an adjunct professor for Construction Management at Minnesota State University Moorhead. For the past twenty years, he has been an authorized OSHA safety instructor. He has done extensive consulting as an expert witness for construction contract and construction safety litigation.

Ken was a Senior Fulbright Scholar in 1996 and 1997 in Sierra Leone conducting research and developing a Construction Management program for the University of Sierra Leone. Ken has numerous refereed journal publications, invited national presentations and research grants.

To productivity use extra time Ken designs and builds custom furniture/sculpture that has been shown in juried shows throughout a four State area. He has won awards with his furniture and these pieces have been published in national publications. Ken is also extensively involved with fine art large format photography. Many of these images have been shown in invited juried art shows. His sports photography has been used as covers for national magazines and published with magazine articles.

Amanda Cross
Environmental Scientist
North Dakota Department of Health, Division of Water Quality

Amanda joined the North Dakota Department of Health, Division of Water Quality staff in May of 2012. She works mainly with the NDPDES/Stormwater Program. Amanda graduated with a Master of Public Administration degree with concentrations in Environmental Policy and Natural Resource Management and Energy from Indiana University School of Public and Environmental Affairs in 2011. She graduated from the University of Michigan in 2008 with a Bachelor of Science degree in Environmental Science and a minor in Environmental Geology.

Dallas Grossman
Environmental Engineer
North Dakota Department of Health, Division of Water Quality

Dallas has been with the North Dakota Department of Health, Division of Water Quality since 2004. He is part of the North Dakota Pollutant Discharge Elimination System Program and works mostly with the Stormwater Program. He is a graduate of North Dakota State University with a Bachelor of Science degree in Civil Engineering.

Marty Haroldson
Environmental Scientist
North Dakota Department of Health

Marty has been with the North Dakota Department of Health, Division of Water Quality since 2001. He is part of the North Dakota Pollutant Discharge Elimination System Program which crafts and issues permits for the discharge of treated effluent. He is a graduate of North Dakota State University with a Bachelor of Science degree in Fishery and Wildlife Management with a Minor in Biology.

Leo Holm, PE
Resource Professionals Alliance

Leo Holm is a registered professional engineer. He is a graduate of the University of Minnesota, Department of Bio-systems and Agricultural Engineering specializing in Soil and Water Conservation Engineering. Leo retired after a 37 year career at the Minnesota Department of Transportation. (Mn/DOT). Mr. Holm is currently President of the Resource Professional Alliance and is past president of the Minnesota Erosion Control Association (1994-2003). Presently he has an adjunct faculty position with the University of Minnesota, is on the Department Advisory Committee, University of Minnesota Department of Bio-products and Bio-systems Engineering and serves on the National AGC Environmental steering committee Washington DC

Throughout his career, Mr Holm has conducted numerous training workshops. He has been a frequent host and speaker at symposiums and conferences at state and national levels. In 2002 he initiated the State of Minnesota erosion certification training program which is housed at the University of Minnesota. He assisted the South Dakota DOT and the Nebraska Dept of Roads in establishing erosion control certification programs in their states. He has written several articles which have published in Land and Water magazine. His most recent article SWPPP Soup Does Anyone Have a Good Recipe? was recently published. He has received several awards over his career; including Outstanding Contributions to Environmental Protection Award 2006, by the Minnesota Pollution Control Agency, Outstanding Contributions to Education and Research In Erosion Control 2006, by the University of Minnesota, Distinguished Service Award Mn/Dot Certification Program 2006, by the Minnesota Department of Transportation and Outstanding Contribution to the Storm water and Erosion Control Industry of Wisconsin 2013, by the North American Storm Water and Erosion Control Association.

Colleen Peterson
Stormwater Program Coordinator
City of Bismarck

Colleen Peterson is the Storm Water Program Coordinator for the City of Bismarck. She has been with the city for 9 years. She has a Bachelor of Science in Environmental Science and a Masters in Business Administration. Colleen was brought into the storm water program to aide in meeting the NDPDES permit requires for an MS4 community. Prior to this work, she was an Environmental Specialist in the Environmental Health Division for the City of Bismarck.

Brenda Rettinger
Environmental Professional
Marathon Oil Company

Brenda Rettinger was raised on a ranch/farm in southwestern North Dakota. After graduating from Killdeer High School, she attended Montana State University where she received a Bachelor's degree from the Animal and Range Science Department. Rettinger remained in southwestern Montana, working under contract for the US Forest Service performing plant diversity and stocking rate inspections on public grazing lands until she returned to North Dakota in 1999 to work for NDSU as the Bowman County Agricultural Extension Agent. In this position, Brenda focused on rangeland and Right of Way reclamation, grazing plans and the control of noxious and invasive weeds. Rettinger was hired by Marathon Oil Company in February of 2008, where she currently works as an Environmental Professional focused on reclamation, Clean Water Act and wildlife issues. Brenda lives on a cattle ranch near Amidon, ND with her husband, Perry and their two children. In her spare time, Rettinger trains barrel racing horses and competes across the region.

Lucille Snowden
Environmental Scientist
North Dakota Department of Health, Division of Water Quality

Luci joined the North Dakota Department of Health, Division of Water Quality staff in December of 2011. She works primarily with the Stormwater Program. Luci graduated with a Master of Science degree in Environmental Science and Water Resources from Indiana University School of Public and Environmental Affairs. She graduated from the University of Toledo with a Bachelor of Science degree in Environmental Science and Geology.

Matthew Sperry
Environmental Scientist III,
North Dakota Department of Transportation, Environmental & Transportation
Services Division

Matthew is responsible for developing storm water management procedures and training for the NDDOT. He has a Bachelor of Science degree in Aquatic Biology and a Master of Science degree in Biology from Bemidji State University, Bemidji, MN. Prior to coming to NDDOT, he spent 4½ years as an Environmental Specialist with the Missouri Department of Natural Resources conducting storm water inspections and writing storm water and wastewater permits.

Dwayne Stenlund, CPESC, CPRM
Minnesota Department of Transportation,
Resource Professionals Alliance

Dwayne is recognized at the national level for his expertise in controlling erosion and developing effective best management practices. Dwayne has specialized in erosion and turf research, specifications, implementation and inspection, wetland maintenance and operation plans, compost utilization and structural soils since 1997. He has a M.S. degree in Plant biology, University of Minnesota, specializing in the role of mycorrhizae in wetlands, with experience in nursery stock production and taconite tailing re-vegetation. Dwayne is a Certified Professional in Erosion and Sediment Control and also a Certified Professional in Range Management. He is also approved as a CPESC instructor.

Dwayne has given numerous presentations throughout the U.S. and Canada and is frequently a key note speaker at conferences. He has an adjunct faculty appointment at the University of

Minnesota and is an approved instructor for the University of Minnesota Erosion control certification program. He is a member of the Minnesota Erosion Control Association and a former member of the Vegetation Management Association of Minnesota. Dwayne participates on several erosion control & storm water management boards in an advisory capacity.

***Sandi Washek
Environmental Scientist
North Dakota Department of Health***

Sandi Washek earned a B.S. in Earth Science from Minot State University. From 1992-1994 she taught Physical and Environmental Geology at Minot State University. In 1994 she moved to the Upper Peninsula of Michigan where she worked for the Iron County Soil Conservation Services until Nov 1997. In Nov of 1997 she was hired on by the North Dakota Department of Health, Division of Air Quality where she presently runs the State's Lead-based Paint Program and assists in the Asbestos, Indoor Air Quality and Radon programs.

***Advance Drainage Systems, Inc
Hilliard, OH***

Advanced Drainage Systems, Inc., (ADS) is the world's largest producer of corrugated HDPE pipe. Founded in 1966, it serves the storm and waste water industry through a global network of 63 domestic and international manufacturing plants and 27 distribution centers. Advanced Drainage Systems, Inc. has 7 manufacturing plants located in the Midwest and a plant in North Dakota to support your drainage needs. In addition to its flagship N-12[®] pipe, and HP Sanitary and Storm pipe, the company offers a complete line of fittings and other accessories including StormTech[®] storm water chambers, Nyloplast[®] drainage structures, INSERTA TEE[®], storm water treatment units and various geotextiles. To learn more about ADS, visit www.ads-pipe.com or contact Andy Mastel at Andrew.mastel@ads-pipe.com or jim.merchlewitz@ads-pipe.com

The presentation today will be focused on the The Isolator Row which is a row or rows of StormTech thermoplastic chambers that are wrapped in filter fabric and installed below grade. Stormwater enters the chambers and must pass through the filter fabric media where sediments and other contaminants are filtered out as stormwater exits the Isolator Row through the fabric.

Some of the unique features of the Isolator Row that contribute to its effectiveness and practicality include:

- Vast filtration area – each chamber has filtration area through the bottom filter fabric
- Large sediment storage volume
- Entire bottom area accessible for cleaning without obstructions within the row
- A state-of-the-art structural design that meets AASHTO safety factors for both live loads and permanent dead loads

***AGASSIZ SEED & SUPPLY Inc.
West Fargo, ND (701)282-8118.***

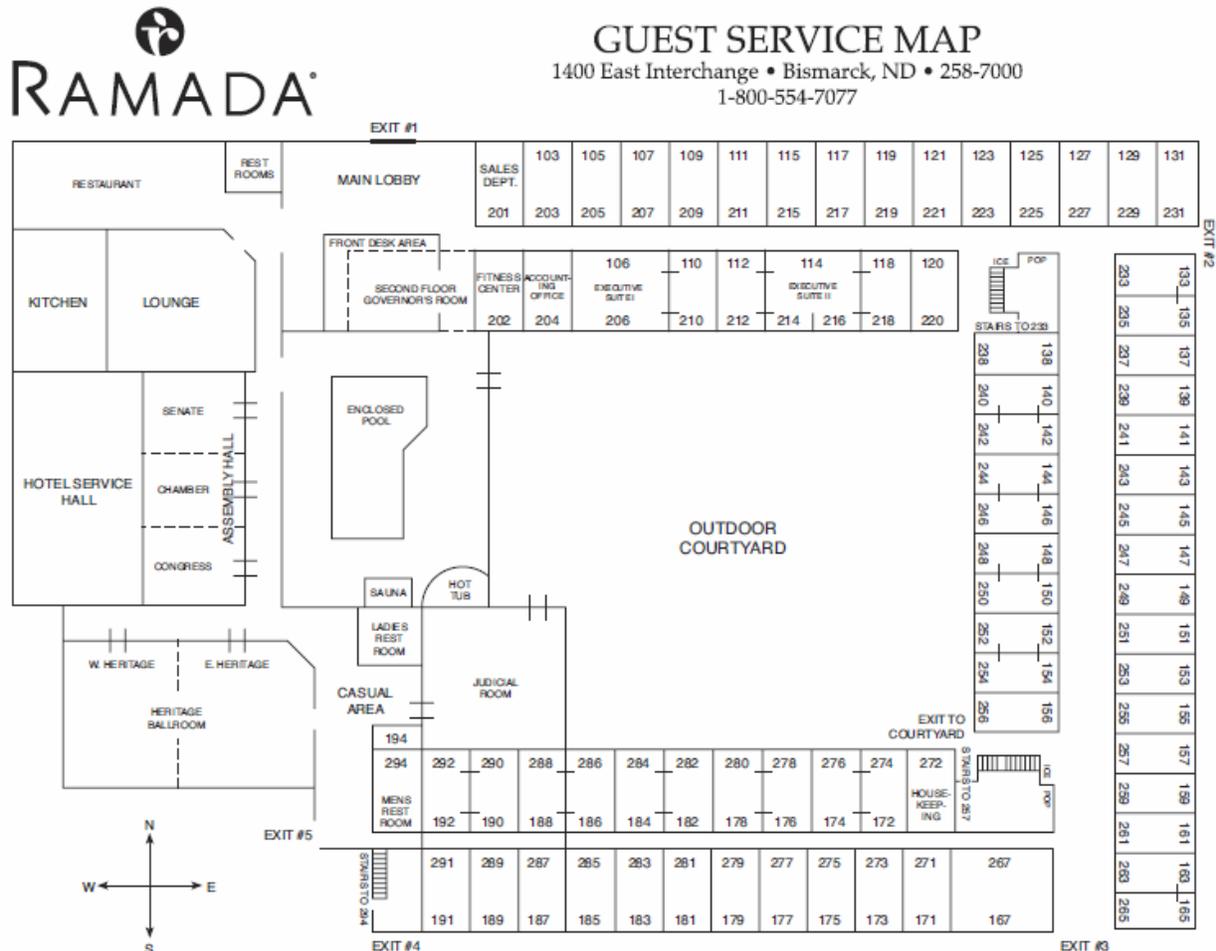
Distributor of erosion control products: mulch, blanket, logs/wattles, silt fence, inlet protection & more. Seed: native/introduced grasses, forbs, lawn/turf, DOT, CRP & custom mixes.

***Construction Specialties
Chanhassen, MN (612)860-0803***

Rocky Waldin, owner of Construction Specialties, has been a Manufacturers' Representative for more than 15 years. He promotes stormwater management products including the Cable Concrete Erosion Control System, Triton Stormwater Solutions and TERREWALKS, a pervious, interlocking paver made from 100% recycled plastic throughout the Midwest.

Ferguson Waterworks
Bismarck, ND (701)258-9700

Ferguson Waterworks is a national distributor of geosynthetic & erosion control products. We carry a complete line of geotextiles, geogrids, geomembranes, geofoam, erosion blankets, turf reinforcement mats, silt fences, and soil stabilizers. Locally we cover the Minnesota, North Dakota, South Dakota, and Wisconsin, territories. From hydrants, pipe, valves, and fittings, to soil reinforcement, drainage, and storm water applications, we can service a wide variety of construction projects.



Governor's Room: Second Floor, above Front Desk
Executive Suite 206: Second Floor, above Executive Suite I