

NORTH DAKOTA WATER AND POLLUTION CONTROL CONFERENCE



**2011 CONSTRUCTION STORMWATER
WORKSHOP**

APRIL 4 – 5, 2011
GLADSTONE INN & SUITES
JAMESTOWN, NORTH DAKOTA

Monday, April 4, 2011

- 9:00 am Registration
- 10:00 am Introduction
- 10:10 am History of Stormwater Regulations and Effluent Limit Updates
Jeannie Schultz and Dallas Grossman
North Dakota Department of Health, Division of Water Quality
- 10:30 am Environmental Effects of Erosion on Water Quality
Jeannie Schultz
North Dakota Department of Health, Division of Water Quality
- 11:00 am Review of the North Dakota Department of Health's Construction General Permit
Dallas Grossman
North Dakota Department of Health, Division of Water Quality
- 12:00 pm Lunch (*Provided*)
- 1:00 pm BMP Resources for Workers On-Site and Training Material for Employees
Dallas Grossman
North Dakota Department of Health, Division of Water Quality
- 1:30 pm Local City Inspectors
Colleen Peterson, City of Bismarck
Russell Duppong, City of Jamestown
- 2:30 pm *Suzie Rohde and Mike Workman, Jordahl Custom Homes*
- 3:00 pm Break
- 3:15 pm How to Conduct a Site Inspection & What to Do if You are Inspected
Dallas Grossman
North Dakota Department of Health, Division of Water Quality
- 4:30 pm Adjourn

Tuesday, April 5, 2011

A day long workshop presented by Leo Holm and Dwayne Stenlund of Resource Professionals Alliance

2011 North Dakota Storm Water Conference.

8:00-8:15 Welcome/ Opening remarks

8:15-9:00 Is Your Storm Water Pollution Prevention Plan Shovel Ready? (Leo)
SWPPP development

9:00- 9:50 SWPPP Table Top Exercise.... Class participation (Dwayne)
Evaluating SWPPPs and how to show the information

9:50-10:15 Break

10:15- 11:10. Concrete dust and slurry management (Dwayne)
What are the issues, how do we manage

11:10-12:00 New and Exciting BMPs for Erosion /Sediment Control (Leo)
New installation equipment, soil glues, spray on products, TRMs

12:00-1:00 Lunch

1:00-1:30 Practices Needed to Meet the Proposed EPA Effluent Standard (Leo)
Traditional erosion control BMPs won't work, what do we need

1:30-2:15 BMP's For Dewatering and Pumping (Dwayne)
Dewatering bags, dewatering dumpsters, flocculants

2:15-2:30 Break

2:30- 3:15 Methods and Practices for Utilities And Pipelines (Dwayne/Leo)
Above ground/below ground, site access, restoration, crossings.

3:15-3:45 SWPPP implementation during construction of the project (Leo /Dwayne)
Site Management, site inspections and modifying the SWPPP

3:45-4:00 Wrap up

Biographies

*Russell Duppong
Engineer Technician II
City of Jamestown*

Russell has a AAS Degree in Architectural Drafting and Estimating from North Dakota State College of Science, he worked 20 years in the construction field and was a Project Manager for 11 of those years. He currently has worked 6 years for the City of Jamestown as an Engineer Technician II working with storm water management, special assessment, project management, routine inspection, surveying and drafting work in the field or office, performs general daily computer operations, and assists data for the Public Works Department.

*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.

*Leo Holm, PE
Resource Professional Alliance*

Leo Holm is a registered professional engineer. He is a graduate of the University of Minnesota, Department of Biosystems 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). At Mn/Dot he managed a Section comprised of Natural Resource Professionals and Engineers. Mr. Holm is currently President of the Resource Professional Alliance and is past president of the Minnesota Erosion Control Association (1993-1999). He is responsible for setting Mn/Dot Standards and Specifications for controlling erosion on highly disturbed sites and is known as an expert and authority in controlling erosion. Presently he has an adjunct faculty position with the University of Minnesota and is on the Department Advisory Committee, University of Minnesota Department of Biosystems and Agricultural Engineering.

Throughout his career, Mr. Holm has provided solutions to many erosion problems and 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. This program provides training for Designing Storm Water Pollution Prevention Plans and managing storm water on construction projects. In 2007 he assisted the South Dakota DOT in establishing an erosion control certification program. 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, Minnesota Pollution Control Agency, Outstanding Contributions to Education and Research In Erosion Control 2006, University of Minnesota, and Distinguished Service Award Mn/Dot Certification Program 2006, Minnesota Department of Transportation.

*Colleen Peterson
Storm Water Program Coordinator
City of Bismarck*

Colleen Peterson is the Storm Water Program Coordinator for the City of Bismarck. She received a Bachelor of Science Degree in Environmental Science from Bemidji State University. Her work experience includes work as an Environmental Scientist for the NDDH Division of Water Quality, Lab tester for Tesoro Refinery, Environmental Scientist with a private consulting firm, and Environmental Health Specialist for the City of Bismarck. She has been in her current position of Storm Water Program Coordinator for just over a year and is working on developing a fully encompassing storm water program.

*Suzie Rohde
Assistant Controller/EPA Program Manager
Jordahl Custom Homes*

Suzie has been with Jordahl Custom Homes of Fargo, ND for four years. She is currently the EPA Program Manager/Assistant Controller for the company. Jordahl Custom Homes is in its second year of implementing an internal Storm Water Management program.

*Jeannie Schultz
Environmental Scientist
North Dakota Department of Health, Division of Water Quality*

Jeannie joined the North Dakota Department of Health, Division of Water Quality staff in December of 2010. She works primarily with the Stormwater Program. Jeannie graduated with a Master of Science degree in Earth Systems, Science, and Policy from the University of North Dakota. She graduated from Concordia College with a Bachelor of Arts degree in Biology and Environmental Studies.

*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.

Mike Workman
EPA Field Manager/Project Coordinator
Jordahl Custom Homes

Mike has been with Jordahl Custom Homes of Fargo, ND for seven years. He is currently the EPA Field Manager/Project Coordinator for the company. Jordahl Custom Homes is in its second year of implementing an internal Storm Water Management program.