

EROSION MATTERS



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*Become a
MECA
member in
2010!*

2010 MECA CONFERENCE RECAP

Over 300 individuals traveled to St. Cloud to attend the 2010 Annual MECA Conference and pre-conference workshops. The afternoon social was a great success. One attendee wrote, "Great conference! This year was the first year I attended. I was very impressed with the variety of topics. The speakers were wonderful. The social/networking opportunity Thursday night was a great opportunity. I was able to meet and talk to

many people. Definitely keep that time! Having the conference in St. Cloud was very convenient also. Great job!"



The 2011 Annual Conference will be held in the Metro Area. We hope that you found the 2010 conference to be successful and would really like to see you next year! The organization appreciates your continued support even in these tough economic times.

Please contact us with any suggestions for workshops or conference topics by calling us at 763-478-3267. Your feedback is very important to us.

**MECA Annual Conference
March 2 – 4, 2011
Radisson Hotel &
Conference Center
Plymouth, MN**

LETTER FROM THE PRESIDENT



Happy summer to the MECA membership!

It seems like just yesterday it was March and we were holding the 2010 MECA Annual Conference.

Speaking of the 2010 MECA Annual Conference, it went very well for the first time in outstate Minnesota. In visiting with many of you at the conference, it seemed well received. The lineup of speakers was once again outstanding. Thanks to the committee who did much of the groundwork to create a great conference venue. The

MECA Social on Thursday evening after the main conference presentations was a hit. What a great crowd that stuck around and enjoyed the evening of food, beverages and conversation.

Many more great ideas were generated at the 2010 Annual Meeting. You can read in the newsletter about some of the workshops already scheduled, and in the works as a result of input at the Annual Meeting. I always feel lucky to be part of an organization that has so many wonderful people with cutting edge ideas.

I want to thank out-going board members Larry Berkland and Mike Isensee for their many years of work

with MECA. The time and dedication that both of these guys have invested in MECA is very much appreciated. I also want to congratulate Lisa Woog and Rick Kruger for being re-elected to the board, as well as welcome new board members Emily Javens and Stacy Anderson. We have and continue to have a terrific group of people guiding the ship with MECA.

As always, don't be afraid to contact the MECA staff or board members with ideas or concerns. We always welcome your input. Take care and I hope to see you on the water quality trail soon!

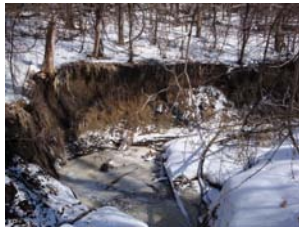
Greg Berg
President

Design, Construction and Maintenance of Permanent Erosion Control Projects

Join MECA for a brand new workshop this July!

July 29, 2010
Hastings Fire Station
115 5th Street West
Hastings, MN 55033

Who Should Attend: **Engineers** and **Technicians** responsible for designs of permanent erosion control measures; **Contractors** who install and maintain them, **Planners; Administrators** and **Inspectors** who review and permit them.



This one day workshop introduces designers, regulators and contractors to the latest permanent erosion control practices and techniques. Examples of successful and unsuccessful erosion control projects will be provided, along with samples of materials and corresponding manufacturers' design and informational literature. Weather permitting; a field visit of a few nearby sites will be conducted for participants to further understand the materials and applications. And manufacturers' representatives will be at the workshop to introduce participants to sample designs. The workshop gives participants an opportunity to learn about a range of cost-effective methods and designs.

BEFORE



AFTER



The registration form is available online at www.mnerosion.org. We hope to see you there!

Stormwater Pollution Prevention Plans for the Flood Workshop

September 30, Moorhead, MN

Minnesota is affected by floodwaters every year. Affected communities work frantically to protect properties, but often the rivers and other water resources are negatively impacted by the floodwaters and sediment and other pollutants they carry. This workshop will provide information on how to plan ahead to minimize impacts to water resources as well as how to manage the conditions after the flood.



Join us on September 30 in Moorhead, MN!

How can we plan to protect the environment when it floods?

Topics covered will include:

- Emergency Stormwater Pollution Prevention Plans
- Trash cleanup
- Environmental issues after the flood
- Erosion and sediment control products & demos
- Tour of flood sites

Registration information will be available soon, as planning continues for this exciting new workshop!



Product Forum: Pre-treatment Chamber



Effective, simple and cost-efficient forms of pre-treatment from impervious areas has been a major challenge for stormwater professionals designing infiltration BMP's. Iterations of various rock or media-filled chambers have proven to be costly and very difficult to maintain in addition to costly in terms of marginal benefits. In lieu of this, designers typically forgo pretreatment either assuming none is needed or that maintenance within the basin will be easy, effective and actually carried out. Sediment removal from infiltration BMP basins covered with mulch and with dense plantings is particularly difficult, however, and there is concern that the efficacy of such maintenance will be ineffectual. Effective filtering of particles at least down to fine sands (~150 microns)

can be achieved via use of geotextile fabrics while still passing 0.11 ft³/sec while unclogged. Runoff from a contributing street area of 4500 ft² (6, 50 ft street front properties X 15 feet from curb to street crest) at 5% grade during a 1-inch Type 2 storm is estimated to overwhelm our 3-ft long X 0.75-ft tall filter wall by 0.14 ft³/sec leaving nearly double the potential flow rates. We expect this conservative design to allow for clogging effects to occur and, with this fabric flow rate, to accommodate this, extending the period between replacement. Larger particles should fall out in the chamber until a rate of flow exceeds the fabrics capacity when the flow then is spread over the top of the filter wall and into the garden. This design should localize sediment management efforts, extend the life service of the infiltration basin significantly and provide a small footprint for pre-treatment.

For more information, please contact Shawn Tracy, Anoka CD
763-434-2030 ext. 16
shawn.tracy@metrocd.org



MECA Board Update

MECA would like to welcome back the returning board members and congratulate the newly elected members. Thank you to the outgoing board members, Larry Berkland and Mike Isensee. MECA.

Currently serving on the MECA board of directors are: Stacy Anderson, Greg Berg, John Chapman, Vicky Dosedall, Emily Javens, Rick Kruger, Steve Klein and Lisa Woog.



Stacy Anderson has been actively working in the construction field for over 20 years. In 2000, Stacy formed a small construction company, Earth Wizards, Inc. They are a design build company specializing in smart pavements, smart landscapes, smart lakes and streams and smart design and planning.



Emily Javens is a professional engineer with experience in several sectors of the erosion control industry. Emily currently works at the Scott Soil and Water Conservation District as District Engineer. She is a Certified Professional of Erosion and Sediment Control and she looks forward to the opportunity to combine her variety of experiences to assist MECA in their work moving erosion control and stormwater management forward.

Upcoming Events

- July 29: Design, Construction and Maintenance of Permanent Erosion Control Projects, Hastings
- August 10: Turf Maintenance with Reduced Environmental Impacts, Virginia
- August 25: Erosion and Sediment Control Field Seminar, Mankato
- September 9: NASECA Field Seminar, Rice Lake, WI.
- September 30: Stormwater Pollution Prevention Plans for the Flood, Moorhead
- March 2-4, 2011 MECA Conference



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MECA Membership

Please consider renewing your MECA Membership for 2010! As a part of your membership, you will receive a one year subscription to Land and Water Magazine and reduced registration fees to selected MECA events. Business and Corporate members will also be able to list their company in the new online MECA business directory which has been expanded to include not only suppliers but designers and contractors of erosion and sediment control and stormwater management. Most importantly your membership will support Minnesota's only non-profit educational organization that directly connects thousands of contractors, government officials, local authorities, engineers and landscape architects.

You can find the membership registration form on the MECA website at www.mnerosion.org or call our office at 763.478.3267. We look forward to hearing from you!

Certified Professional in Erosion and Sediment Control

MECA is compiling a list of those that are interested in taking the CPESC Tutorial and/or exam.

According to CPESC, Inc. the benefits of becoming a CPESC include:

- Demonstrates proficiency in erosion and sediment control field
- Enhances your technical and professional credibility
- Satisfies the qualified-person requirement in some local and state programs
- Increases personal value, recognition, and marketability
- Encourages greater commitment and personal career growth

For more information, visit www.cpesc.org.

If there is enough interest, we will offer the tutorial at the March 2011 annual conference. Please email or call MECA if you would like your name placed on the list.

Need a designer, contractor, or product?

Check out the MECA Business Directory to find products and companies that work in the Erosion and Sediment Control and Stormwater Management Field. Use the directory search option to get a list of those that do the work or sell the products you need.

www.mnerosion.org/Directory/Default.aspx