



# Erosion and Sediment Control News

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The University of Minnesota Erosion and Sediment Control Certification Program is again offering summer classes at the start of its 8th year of certification classes. These classes are available for registration now. As always, provisional classes are also available if a certification is needed on short notice, but it is better to take the full class. The full training schedule for the 2009-2010 season will be available in September. In order to have plenty of classes and locations offered, we will have fall classes starting in early October 2009 and going through May 2010. Keep an eye on the website and fall mailings for registration information. These newsletters will also be available in print and on-line to keep you informed of the U of M Erosion Program activities.

## Industrial Storm Water Permit Training.

The MPCA stormwater permit for construction activity has two sister permits, one for municipalities and one for industrial activity. The industrial permit has been updated and a draft will be available in late June. The U of M Erosion Program is offering training to assist with understanding this new permit language. See [www.erosion.umn.edu](http://www.erosion.umn.edu) and [www.pca.state.mn.us/stormwater](http://www.pca.state.mn.us/stormwater) for more information.

## New Minnesota Construction Permit

The Minnesota Pollution Control Agency issued the current NPDES Construction Permit for Minnesota on August 1, 2008, which will be in effect until July 31, 2013. This permit and all of the permit forms can be found at:

<http://www.pca.state.mn.us/water/stormwater/stormwater-c.html>

While this new permit is similar to the previous permit, there are some changes and new requirements. One common question is: Which permit applies to a project that started before August 1, 2008? The answer is: the new permit requirements have a grace period of 18 months if the project had already started. This means pre-existing projects have until February 1, 2010 to complete work or come into compliance with all of the new permit requirements, except for a few items such as sizing of permanent ponds near impaired waters. The sizing changes are waived on pre-existing projects since these permanent sizing considerations made under the old permit are difficult or impossible to change once the project starts. Many of these common questions have explanations on fact sheets developed by the MPCA.

For the full story, hear from a MPCA representative in class.

[www.erosion.umn.edu](http://www.erosion.umn.edu)  
[www.erosion.umn.edu/privacypolicy](http://www.erosion.umn.edu/privacypolicy)

The University of Minnesota Erosion and Sediment Control Certification Program believes in establishing partners to assist in providing education for everyone. The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, color, creed, religion, national origin, sex, age marital status, disability, public assistance status, veteran status, or sexual orientation.



*Watch for the 2009-2010 certification schedule in your mail box and on the web in September 2009.*

## Technical Tip

### Hydromulch Mixing

Understanding the importance of the operations around a hydromulch tank is critical to getting a good hydraulically-applied product. While most people can see the value of proper spraying techniques to prevent shadows and provide even coverage, they may not see the importance of the mixing.

Proper mixing is critical to a good product. If a step is missed, or a component not added, the product could do a poor job with erosion control.

A generic procedure for mixing components often starts with warming up the engine, filling the tank partially full with water, purging all the hoses and loading the heavier components first, like seed. Next the mulch material would be added and the tank topped off with water, then any fertilizer, growth agents, water holding agents, and dye would be added. After this, the tackifiers and any fibers used for bonding would be added.

Individual products will have specific details on how the mixing should occur, including the time of mixing of each component in order to get adequate homogenization or chemical reactions.

In addition, individual equipment may have additional options for better performance, such as operating the agitators in reverse during mixing and forward during application, or purge tanks for maintaining clear nozzles and hoses.

### Customized Training

The U of M Erosion program continues to offer customized and in-house training around the state. If the classes offered on the regular schedule don't meet your needs, email [erosion@umn.edu](mailto:erosion@umn.edu) or call 800-646-2282 to let us know how to better serve you.

### Minnesota NonDegredation Rule Making Continues

The MPCA is working on rule making regarding NPDES Non-Degradation. For more information contact Carol Nankivel at the MPCA, [carol.nankivel@state.mn.us](mailto:carol.nankivel@state.mn.us).

## New Product Corner: Pam -12 Plus

PAM-12™ Plus can be used for temporary soil stabilization, over winter applications, and for primary erosion control in conjunction with seed and fertilizer. PAM-12™ Plus is a combination of recycled paper fibers agglomerated into granules with a blend of water soluble anionic polyacrylamides (WSPAM) called Advanced Soil Technology™ (AST™). The recycled paper granules serve as the carrier delivery system, and visible tracer. PAM-12™ Plus is activated and released to the soil using natural or applied moisture. PAM-12™ Plus can be broadcasted dry or applied hydraulically. PAM-12™ is manufactured by ENCAP, LLC. For more information contact Matthew Buchs ([mbuchs@encap.net](mailto:mbuchs@encap.net)) or Brock White Company ([www.brockwhite.com](http://www.brockwhite.com)).

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