

News from the DNREC Sediment and Stormwater Program:  
DNREC Sediment & Stormwater Listserve Update: July 2007

This months topics:

1. Delaware Sediment & Stormwater Regulation Revisions Underway
2. Clean Water Council Newsletter Now Available
3. Additional Contractor's Training Course To Be Offered
4. Sediment and Stormwater Program to Participate in This Year's Delaware State Fair
5. Corrado Construction Approved Supplier for Biosoil Media
6. Flexi-Pave Porous Pavement Demo
7. Link of the Month – GISHydro2000
8. Have a Happy and Safe 4<sup>th</sup> of July Holiday

\*\*\*\*\*

### **1. Delaware Sediment & Stormwater Regulation Revisions Underway**

The Delaware Sediment and Stormwater Program has begun the process of revising the Delaware Sediment and Stormwater Regulations, based on recommendations identified by the Surface Water Task Force, a team comprised of professionals in the field of water resources, appointed by Governor Ruth Ann Minner. The Department will be organizing an Advisory Committee of affected parties to help with this process.

### **2. Clean Water Council Newsletter Now Available**

The recently formed Clean Water Council is a committee that advises the Secretary of DNREC, Secretary John Hughes, on policy issues regarding wastewater and surface water management. To obtain a digital copy of the newsletter, please contact Jennifer Campagnini by e-mail at [Jennifer.Campagnini@state.de.us](mailto:Jennifer.Campagnini@state.de.us)

### **3. Additional Contractor's Training Course to Be Offered**

Due to high demand for the September 12<sup>th</sup> Contractor's Training course, an additional course will be offered this fall on October 4<sup>th</sup>, 2007. The Contractor's Training course gives an overview of the Sediment and Stormwater Program, its regulations, and required erosion and sediment control measures in the State of Delaware. Please contact Joanne Gedney by e-mail at [Joanne.Gedney@state.de.us](mailto:Joanne.Gedney@state.de.us) or by phone at 302-739-9921 for registration information. The course fee is \$60, which includes continental breakfast and a course book.

### **4. Sediment and Stormwater Program to Participate in This Year's Delaware State Fair**

The DNREC Sediment and Stormwater Program along with the Delaware National Estuarine Research Reserve will be offering a hands-on educational activity for kids at the Delaware State Fair this year. The topic is how stormwater runoff affects an estuary, where kids will get to see what happens when pollutants

such as soil, soap from car washing, and oil from cars enter into the estuary. This year, the state fair will run from July 19<sup>th</sup> - 28<sup>th</sup>, 2007.

#### **5. Corrado Construction Approved Supplier for Biosoil Media**

Corrado Construction has been added to the list of approved suppliers of biosoil media for use in bioretention systems. The current list of approved suppliers through calendar year 2007 now consists of:

Kaye Construction, Seaford, DE  
Middletown Materials, Middletown, DE  
Select Soils, Kennett Square, PA  
Holland Mulch, Edgemore, DE  
Corrado Construction, New Castle, DE

The Department has established a testing protocol to ensure the material provided by these suppliers meets current standards and specifications for biosoil media. Anyone interested in being an approved supplier should contact the Sediment & Stormwater Program at 302-739-9921.

#### **6. Flexi-Pave Porous Pavement Demo**

Sediment & Stormwater Program staff recently attended a small demonstration application in nearby Cecil County, MD of a new porous pavement product known as Flexi-Pave. The material consists of recycled tire pellets and rounded aggregate mixed with a patented binding agent and will allow up to 5 points toward LEED certification. The product must be installed by a certified installer. K.B. Industries, Inc., located in Clearwater, FL, has exclusive rights to the product and is in the process of training local contractors for certification. They also have corporate installation crews available for larger projects. Based on encouraging results from some of the early research, this product could have a significant impact on the way stormwater runoff is managed from both new and existing urban lands. The developers of the product are working with HydroCAD Software Solutions LLC to have the hydrologic modeling of Flex-Pave included into the HydroCAD software. The Department will be exploring a larger scale demonstration project located in Delaware in the near future. Information on Flexi-Pave is available at the following Web site:

[http://www.firestonesp.com/sustainable\\_products.asp](http://www.firestonesp.com/sustainable_products.asp)

#### **7. Link of the Month – GISHydro2000**

The engineering staff from the Sediment & Stormwater Program also attended a recent demonstration of a hydrologic modeling application that was originally developed for the Maryland SHA Bridge Design Section. The Delaware Dept. of Transportation has been working with Dr. Glen Moglen from the University of Maryland to adapt the model for use in Delaware. The application, known as GISHydro2000, is capable of performing hydrologic computations based on both the USGS regression formulae as well as NRCS TR-20 methodologies. Since the generation of the supporting data such as Runoff Curve Number (RCN) and Time

of Concentration (Tc) is automated through a Geographic Information System (GIS) pre-processor, the analysis can be done at virtually any scale at a fraction of the time required using traditional methods. While this method would not be appropriate for site-level analysis, it could become a valuable tool as the Department shifts to a watershed-level approach to managing stormwater runoff. Dr. Moglen originally developed the software for the ESRI ArcView 3.x platform and this version can be downloaded from the GISHydro2000 web site. However, of more interest to DNREC and DelDOT is the Web application currently under development. The Department will be testing the use of GISHydro2000 in the coming months for application within the Sediment & Stormwater Program. If successful, it is hoped that training in the use of the software could be made available to the design community at some point in the future. Information on GISHydro2000 is available at the following link:

<http://www.gishydro.umd.edu/>

**8. Have a Happy and Safe 4<sup>th</sup> of July Holiday**

The Delaware Sediment and Stormwater Program would like to wish you all a happy and safe 4<sup>th</sup> of July!!!