NC: Expanding Organics Recycling through Non-Regulatory Efforts

Jorge Montezuma, EIT
Organics Recycling Specialist
NC Department of Environmental Quality
Division of Environmental Assistance & Customer Service

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OUTLINE

NC Gov’t & Organics
State Recycling Office
Technical Assistance
Grants
Maps and Gaps
Reported Numbers
Stormwater BMPs
Listserv
Regional Groups
NC GOVERNMENT & ORGANICS

• Bans from MSW Landfills
  - Yard Waste
  - Pallets
• NC DENR 1996 Compost Rules
“STATE RECYCLING OFFICE”

Technical Assistance
Troubleshoot Operations
Navigate Permitting ➔
Research Markets
Search Feedstocks
Create Clusters
Liason
Superintendent: school opponents latch onto ‘stink’ controversy

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Superintendent Dr. Darrin Hartness told the school board members last week the issue involving the Gallins farm has nothing to do with the school system, nothing to do with the new high school and nothing to do with commercial composting, but “has become political and that’s real unfortunate.”
NCDENR Grants at Work!

Since 1990:

111 Organic Recycling Grant Awards
$1.9 million awarded
162,000+ reported composted TONS
17 reported FTE jobs created

($12 awarded/ton diverted/reporting year)
PERMITTED COMPOSTING FACILITIES
Able to Accept Off-Site Food Scraps

Legend:
- Orange: Type II
- Green: Type III
- Purple: Type IV
- Light Green: 50-mile Radius
- Red: County Boundaries
MATERIALS COMING IN (71% COMPOSTED)
9. LEVEL SPREADER - VEGETATIVE FILTER STRIP SYSTEM

Description
A level spreader - vegetative filter strip (LS-VFS) consists of a level spreader in series with a vegetative filter strip. A LS-VFS is designed to diffuse stormwater over a level concrete berm in order to produce sheet flow over the VFS. The vegetation and soils in the VFS remove pollutants primarily via filtration and infiltration.

A LS-VFS is typically installed to provide diffuse flow past a buffer, to meet stormwater rule provisions, or to provide pollutant removal. Design requirements for the system vary based on the regulatory requirements and the type of vegetative cover in the VFS. A VFS is placed into one of four categories: protected riparian buffer, wooded stormwater setback/buffer, herbaceous stormwater setback/buffer, or engineered filter strip. The VFS is usually 50 feet in width, except when the LS-VFS is used to meet stormwater rule requirements in SA waters, in which case the VFS must be a minimum of 50 feet in width.

Purpose
- Can reduce particulate pollutants such as sediment, organic matter, and trace metals.
- Slows down water flow and provides infiltration.
- Meets diffuse flow requirements under the buffer and stormwater programs.

Design Considerations
- The LS must be constructed with a uniform slope of zero percent (or level).
- A LS-VFS does not have the capability for stormwater detention; however, it does provide some volume control for smaller storms via infiltration in the VFS, particularly in soils with higher infiltration rates.
- The length of the LS-VFS must be determined based on the flow rate that is directed to it.
- The LS must be straight or convex.
- When used to meet Stormwater Rule requirements, the VFS must have a longitudinal slope of less than 5 percent if for wooded vegetation and 8 percent if it is grassed and grassed.
- This BMP is vulnerable to access solids loading.

Operation and Maintenance Considerations
- Maintenance of a LS-VFS involves periodic sediment removal in the level spreader swale and routine moving and reshaping of VFS grass when necessary.
- Steps receiving excessive sediment may require periodic regrading and reseeding of their upslope edge because deposited sediment can kill grass and prevent the LS-VFS from achieving diffuse flow.

Welcome to the NC Organics Listserv!

The purpose of this listserv is to increase communication across North Carolina in regards to all things organics recycling, availability of feedstocks, need for services/materials, RFPs, jobs, news, research, training events, conferences, and more.

Please avoid sale pitches, you will be removed from the list, as well as any spammers.

If you have a direct response intended for just the sender, please remove nc_organics.list@googlegroups.com.

This listserv is managed by NCDEQ-DEACS. If you have any questions, please email ncdeacsorganics@gmail.com.

Happy Organics Recycling!

REGIONAL GROUPS
Are you ready to DOO your part?

Jorge Montezuma
Jorge.Montezuma@ncdenr.gov
919-707-8123