# Vermont Organics Recycling Summit

**April 11, 2019**

Getting Designers and Compost Producers on the Same Page

Vermont Stormwater Regulation and Organics

# Primary Goal: Water Quality Protection

Vermont stormwater permit requirements reduce and prevent water quality and flooding impacts during and after development.

What is and how big is the role of *compost* in meeting both construction and post-construction stormwater permit requirements?

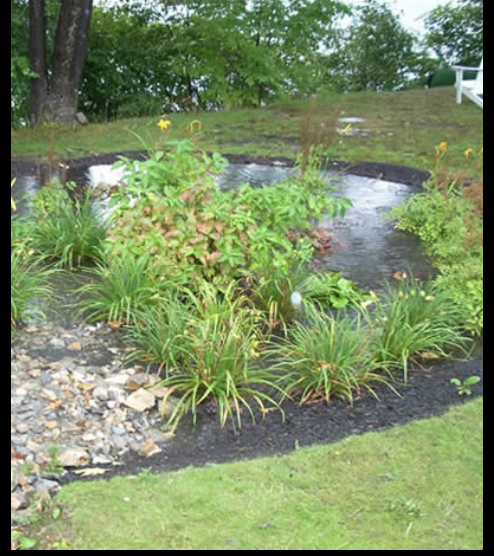
# Construction Activity

Slope breaks.

Filtering.

Site Stabilization

Why has *compost* use been rather limited in Vermont for achieving these goals during construction?



Credit: UNH Stormwater Center

# Post-Construction Stormwater Management

Establishment of quality soils.

Stormwater Treatment

- Bioretention Planting Soil
- Gravel Wetland Surface Soil

What is the role of *compost* in each of these scenarios?

# Implementation of Post-Construction Soil Depth and Quality Standard

Credit: University of Vermont, Department of Plant and Soil Science

# Considerations for Compost: Stormwater Treatment Practices

# Gravel Wetland and Bioretention Design

Is compost needed, if so how much, where?

What do we test?

How do we test?

When do we test?

Where do we test?

Who tests?

# Considerations for Adjustment

Bioretention

- Establish *compost* only P limit with specified testing method.
- Establish *whole soil mix* P limit with specified testing method.
- Provide further options for limiting *compost* to side-dressing of plants and upper 12 inches of bed.

# Considerations for Adjustment

Gravel Wetland

- Require surface wetland soil.
- Establish soil specification and related design elements.
- Establish P limits, and protocols for testing consistent with bioretention.

Kevin Burke
VT DEC
Stormwater Program
802-490-6168
Kevin.burke@Vermont.gov