

CONSTRUCTION SITE EROSION CONTROL FOR 1 & 2 FAMILY HOMES

Jim Rose – Senior Conservation Specialist
Waukesha County Land Resources Division

January 2017 Zoning & Erosion Control Workshop

- ▣ **State Standards**
- ▣ County Standards
- ▣ Authorized Local Program (ALP)

SPS 321

Construction Standards

NR 151

Runoff Pollution Performance
Standards

SPS 321

State Construction Standards

- ▣ Purpose:
 - Establish construction standards for all 1 & 2 family dwellings.
 - SPS 321.125
 - ▣ Erosion & Sediment Control Standards

What are the Standards?

- ▣ Sites < 1 acre – SPS 321.125
- ▣ Prevent or Reduce Soil or Sediment Deposition
 - Waters of the State
 - Adjacent Properties
- ▣ Practices installed prior to land disturbing
- ▣ Maintained until 70% stabilized
- ▣ Installed according to DNR Tech Standards

Erosion Control Practices Prevent or Reduce

- ▣ Tracking onto Streets
- ▣ Discharges into Storm Sewers
- ▣ Discharges to Waters of the State
- ▣ Offsite Discharges
- ▣ Sediment Discharges from Dewatering
- ▣ Discharges from Topsoil Stockpiles

Monitoring

- ▣ Weekly Inspections by Owner/ Agent
- ▣ Within 24 hrs after 1/2" rain
- ▣ Keep a Log for Sites >1 ac

Maintenance

- ▣ Any Issues Based on Weekly Inspections
- ▣ Offsite Discharges
 - Practice Failure – End of Next Day
 - Construction Activity – End of Work Day
 - Municipality can be more Stringent for Public Ways

NR 151

Runoff Management

- ▣ Purpose:
 - Establish performance standards for non-agricultural facilities and practices that cause or may cause runoff pollution.
 - Intended to limit nonpoint runoff pollution in order to achieve water quality standards.

What are the Standards?

- ▣ Sites < 1 acre – NR 151.105
- ▣ Prevent or Reduce:
 - Soil tracked onto roads
 - Discharge of sediment into stormwater inlets
 - Discharge of sediment into waters of the state
 - Discharge of sediment from drainage ways flowing off the site
 - Discharge of sediment by dewatering activities
 - Discharge of sediment eroding from topsoil piles
 - Transport of chemicals, cement or other compounds to waters of the state

What are the Standards?

- ▣ Sites > 1 acre – NR 151.11
 - Same as sites < 1 acre plus:
 - ▣ Discharge of sediment from erosive flows at outlets and in downstream channels
 - ▣ Transport by runoff into waters of the state of untreated wash water from vehicle and wheel washing

- ▣ State Standards
- ▣ **County Standards**
- ▣ Authorized Local Program (ALP)

Waukesha County

- ▣ Stormwater & Erosion Control Ordinance
- ▣ 3000 Sq Ft Trigger
- ▣ EC plan shall describe how the permit holder will minimize, to the maximum extent practicable, soil erosion and the transport of sediment from land disturbing activities to waters of the state or other property.

Waukesha County Performance Standards

- ▣ What are the standards?
 - All EC plans & BMPs shall comply with the planning, design, implementation & maintenance requirements of the ordinance
 - Plans shall achieve, to the maximum extent practicable, an 80% reduction of the sediment load carried in runoff, on an average annual basis, as compared to no controls
 - Plans that comply with the Guiding Principles... and the specific EC plan requirements... shall be determined... as meeting the 80% sediment reduction goal

“Presumptive Compliance”

Waukesha County Guiding Principles

- ▣ Fit grading to the terrain
- ▣ Minimize time disturbed soil is exposed
- ▣ Minimize soil compaction
- ▣ Locate BMPs upstream of where runoff leaves sites or enters sensitive areas
- ▣ Prevent soil detachment and transport first, and reduce soil deposition, second

Erosion Control Plan Requirements

- ▣ Provide access drives & tracking pad
- ▣ Divert upslope runoff from entering site
- ▣ Soil stockpiles – location & stabilize
- ▣ Site dewatering
- ▣ Topsoil application – 4”
- ▣ Sediment cleanup
- ▣ Temporary & Final stabilization
- ▣ Site drainage issues
- ▣ BMP removal

- ▣ State Standards
- ▣ County Standards
- ▣ **Authorized Local Program (ALP)**

Authorized Local Program (ALP)

- ▣ ALL Sites >1 ac of Disturbance
 - Including septic areas
- ▣ Endangered Resources Review
- ▣ Wetland Screening
- ▣ Historical Screening
- ▣ DNR NR 216 Permit Coverage



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JOB SITE RULES
1. No smoking or open flames.
2. No drinking or eating.
3. No alcohol.
4. No drugs.
5. No firearms.
6. No vehicles on site.
7. No unauthorized personnel.
8. No unauthorized equipment.
9. No unauthorized excavation.
10. No unauthorized grading.
11. No unauthorized site work.
12. No unauthorized site cleanup.
13. No unauthorized site disposal.
14. No unauthorized site storage.
15. No unauthorized site transport.
16. No unauthorized site disposal.
17. No unauthorized site storage.
18. No unauthorized site transport.

N33
W29661
NO
TRESPASSING

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Questions???