

Water Quality Protection & Improvement

New General Permit ILR10 & Erosion/Sediment Control Practice Examples

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Overview

- New General Permit ILR10
 - What has Changed?
 - How Does it Affect My Site (Designer/Developer)?
 - How Does it Affect My Community (As a Municipal Official)?
- Erosion/Sediment Control Measure Examples
 - Different Aspects from Different Points of View



New General Permit ILR10

What has Changed?

- Coverage Under this Permit – Authorization
 - 30 Days After the Date the NOI is Received
- Notice of Intent Requirements – Deadlines for Notification
 - On-Line Submittal Option
- Notice of Intent Requirements – Contents of Notice of Intent
 - Electronic Copy of SWPPP Now Required



New General Permit ILR10

What has Changed?

- Contents of Plan – Controls – Erosion and Sediment Controls – Stabilization Practices
 - Stabilization to Occur within 7 Days After Temporary or Permanent Activities have Ceased
- Contents of Plan – Inspections
 - Definition of Qualified Personnel
 - Knowledgeable Person in the Principles and Practices of Erosion and Sediment Control Practices such as P.E., CPESC, CESSWI or other Knowledgeable Person



New General Permit ILR10

How Does it Affect Me?

- As a Designer or Developer
 - Plan Requirements and Construction Schedule
- As a Municipal Official
 - MS4s Required to Enforce General Permit ILR10 for Developments within Community Boundaries



Erosion/Sediment Control Measure Examples

■ Phasing

Designer

- Requirements Typically Put in Narrative of SWPPP and on Erosion & Sediment Control Plans
- Pre-Con Meeting to Layout Requirements of Owner and the Expectations of Contractor & Sub-Contractors

Developer

- Mobilization, Clearing/Grubbing, Grading & Utilities
- Necessary to Get Project Started to Show Progress

Municipalities

- Ordinance Requirements
- Requirements Enforced by Building Inspectors/Enforcement Officers



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Erosion/Sediment Control Measure Examples

- Phasing



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Erosion/Sediment Control Measure Examples

- Phasing



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Erosion/Sediment Control Measure Examples

■ Phasing – Recommendations

- Understand Overall Project Schedule and Needs
 - End User Known or Unknown??
 - Need for Material to Balance Site??
- Know Timeframes for Temporary and Permanent Seeding Activities
- Proper Winter Shut Down Activities



Erosion/Sediment Control Measure Examples

■ Inlet Filters vs. Filter Fabric

Designer

- Inlet Filter Detail Included in SWPPP and on Erosion and Sediment Control Plans

Developer

- Normally Uses Filter Fabric Regardless of What is on Plans (\$\$)

Municipalities

- Ordinance Requirements
- Requirements Enforced by Building Inspectors/Enforcement Officers



Erosion/Sediment Control Measure Examples

- Inlet Filters vs. Filter Fabric



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Erosion/Sediment Control Measure Examples

- Inlet Filters vs. Filter Fabric



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Erosion/Sediment Control Measure Examples

■ Inlet Filters vs. Filter Fabric – Recommendations

- Okay to Use Filter Fabric IF...
 - Proper Fabric is Used
 - Maintenance will be Performed
- Inlet Filters can be Cleaned Out & Re-Used



Erosion/Sediment Control Measure Examples

■ Silt Fence

Designer

- Old Ways – Outline the Perimeter of the Site and Each Stormwater Management Facility (Detention and Comp. Storage Basins)

Developer

- Installs at the Beginning of the Project per the Plan
- No Maintenance Performed

Municipalities

- Ordinance Requirements
- Requirements Enforced by Building Inspectors/Enforcement Officers



Erosion/Sediment Control Measure Examples

- Silt Fence



Erosion/Sediment Control Measure Examples

- Silt Fence



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Erosion/Sediment Control Measure Examples

- Silt Fence – Recommendations
 - Only Design/Install Where Absolutely Necessary
 - Use the \$\$ Saved for Proper Measures



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Erosion/Sediment Control Measure Examples

■ Erosion Control Blanket

Designer

- Erosion Control Blanket Detail Included in SWPPP and on Erosion and Sediment Control Plans
- Locations to be Installed Normally Not Included on Plans

Developer

- Erosion Control Blanket...Maybe for Detention Basins

Municipalities

- Ordinance Requirements
- Requirements Enforced by Building Inspectors/Enforcement Officers



Erosion/Sediment Control Measure Examples

- Erosion Control Blanket



Erosion/Sediment Control Measure Examples

■ Erosion Control Blanket – Recommendations

- Understand Duration for Stabilization
 - Temporary vs. Permanent
 - Winter Shut Down
- Understand Areas to be Installed



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Erosion/Sediment Control Measure Examples

- Some Things Are Just Out of Our Control



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Erosion/Sediment Control Measure Examples

- Are you Kidding Me??



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Questions??



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