



***Revisions to the
Delaware Sediment & Stormwater Regulations***

Technical Document Overview

July 7, 2010

Regulations = WHAT

Technical Document = HOW

Technical Document

- Information supports regulation language
- Public process with regulations
- Future changes will also go through public review process
- Will not be complete at promulgation of regulations

Contents

- Narrative
- Procedures
- Checklists
- Standard Details
- Guidance
- Examples

Format

- PDF Document
 - Distinct from Regulations
 - In keeping with Delaware Erosion & Sediment Control Handbook
 - Expandable
- Electronic version with links
- To be posted on website

Five “Articles”

- **Article 1.** Sediment and Stormwater Program Background
- **Article 2.** Policies and Procedures
- **Article 3.** Plan Review & Approval
- **Article 4.** Construction Review & Compliance
- **Article 5.** Maintenance of Permanent Stormwater Management Systems

Article 1. Sediment and Stormwater Program Background

- Executive Summary
- Federal CWA requirements
- State Requirements

Article 2. Policies and Procedures

- Delegation procedures
- Plan procedures
 - Grandfathering & Sunsetting
 - Interim Status
- Financial Guarantee
- Offset & Mitigation
- Variances
- Easements (may go under Article 5. Maintenance)

Article 3. Plan Review & Approval

- 3.01 Goals & Objectives
- 3.02 Plan Review Process
- 3.03 Construction Site SWM
- 3.04 Post Construction SWM
- 3.05 Plan Requirements

3.01 Goals & Objectives

- Project type considerations
 - Residential
 - Commercial
 - Industrial
 - Transportation
- Standard Plans
 - Applications
 - Templates

3.02 Plan Review Process

- Step 1 – Project Application Meeting
 - SAS Checklist
 - Stormwater Assessment Report
 - Workflow for Site Hydrologic Analysis
 - Example SAS package

3.02 Plan Review Process

- Step 2 – Preliminary S&S Plan
 - Preliminary S&S Plan Checklist
 - H&H analysis policy
 - Workflow & Template for Level 1 analysis
 - Workflow for Level 2 analysis
 - Level 3 analysis to be added later
 - Example Schematic Plan
 - Example Unit Discharge comps
 - Example Preliminary S&S Plan Submittal

3.02 Plan Review Process

- Step 3 – Sediment and Stormwater Plan
 - Sediment & Stormwater Plan Checklist
 - Common Look & Feel to be developed

3.03 Construction Site SWM

- BAT Policy
 - Turbid Discharges, use of PAM
 - Effluent Limitation Guidelines

3.04 Post Construction SWM

- Compliance Flow Chart
- Runoff Reduction Guidance
- Adjusted CN Methodology
- DURMM v.2 spreadsheet & user guide
 - TMDL Methodology
- Approved H&H software
- Infiltration testing procedures

3.04 Post Construction SWM

- Redevelopment & Brownfields
 - Redevelopment Flowchart
 - Brownfields policy
 - Examples to be developed
- BMP Standards and Specifications

3.05 General Plan Requirements

- Standard Notes
- Standard Details & Symbols
- Typical construction sequence
- Typical GTBMP details

Article 4. Construction Review & Compliance

- Construction Review Guidelines
 - Pre construction meeting checklist
 - Perimeter control review, construction site review guidance
 - CCR release procedure
 - Construction review report example
 - Post construction verification document checklists
 - Project closeout procedure & checklist

Article 4. Construction Review & Compliance

- Discussion
 - Contractor Training Program (Blue Card)
 - CCR Training Program
- Compliance Assistance Procedures

Article 5. Maintenance of Permanent Stormwater Management Systems

- Operation & Maintenance Plan
 - Checklist
 - Standard guidelines
 - Example
- Standard transfer of maintenance responsibility language
- Maintenance review checklist

Questions?