

Final Construction Stormwater General Permit

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A stylized, layered mountain range graphic in shades of teal and blue, located in the bottom right corner of the slide.

S1. Permit Coverage

- ◆ Permit required for 1+ Acre Construction Activity
 - Clearing, Grading, Excavation
 - Not required for routine maintenance
- ◆ Permit does not cover
 - Federal/Tribal projects
 - Post-Construction Stormwater
 - Non-point silvicultural activity

S2. Application

- ◆ Application Form (Notice of Intent)
 - SEPA
 - Public Notice
 - 30 day Public Comment period
- ◆ Erosivity Waiver

S3. Compliance with Standards

- ◆ Discharges must not violate Water Quality Standards
 - Surface Water
 - Ground Water
 - Sediment

S3. Compliance with Standards

Turbidity

pH

Phosphorus



S4. Monitoring

- ◆ 2 Basic Components:
 - Site Inspections
 - Discharge Sampling
 - ◆ Turbidity/Transparency
 - ◆ pH

S4. Monitoring

- ◆ Site Inspections
 - Who? Certified inspector
 - What? Disturbed areas, BMPs, outfalls
 - When? Weekly and after storms
- ◆ Site Log Book
 - Inspection checklists/reports
 - Document BMP maintenance
 - Document monitoring

S4. Monitoring

- ◆ Sampling: Turbidity/Transparency
 - Weekly (If Discharging)

- Less than 5 acres
 - ◆ Turbidity Meter or Transparency Tube
 - ◆ Deferred until Oct 1, 2008

- 5 acres or More
 - ◆ Turbidity Meter
 - ◆ Deferred until Oct 1, 2006

S4. Monitoring



Transparency Tube \$34



Turbidity Meter \$800

S4. Monitoring

- ◆ Sampling: Turbidity/Transparency
 - Turbidity Benchmark = 25 NTU
 - Transparency Benchmark = 31 cm
 - If Discharge Exceeds Benchmark:
Actions Required to Prevent Pollution
 - Adaptive management

S4. Monitoring

- ◆ If 25 NTU Benchmark Exceeded:
 - ◆ Review SWPPP and make appropriate revisions within 7 days
 - ◆ Implement and maintain appropriate source control and/or treatment BMPs within 10 days
 - ◆ Document actions in the site log book.

S4. Monitoring

- ◆ If Benchmark [REALLY] Exceeded (Turbidity 250+ NTU):
 - ◆ Same steps as 25+ NTU, AND
 - ◆ Call Ecology within 24 hrs
 - ◆ Continue to sample daily until discharge is below 25 NTU or meets WQ Standards (or stops)

S4. Monitoring

- ◆ Sampling: pH
 - Significant Concrete (1000 yds³)
 - Engineered Soils
 - Cement Kiln Dust (CKD)
 - Portland Cement Treated Base (CTB)
 - Fly Ash

S4. Monitoring

- ◆ Sampling: pH
 - If pH over 8.5:
 - Prevent discharge
 - Implement treatment (neutralize pH)

S5. Reporting & Recordkeeping

- ◆ Discharge Monitoring Reports
 - Monthly (beginning in Nov 06 or 08)
 - Mail or Electronic Submittal
- ◆ Phone Reporting
 - If Turbidity is 250 NTU or greater
 - If Transparency is 6 cm or less

S5. Reporting & Recordkeeping

- ◆ Ecology Access to Stormwater Plans
 - Maintained on-site
 - Made available upon request
 - 14 days of written request
- ◆ Public Access to Stormwater Plans
 - 14 days of written request
 - May provide to Ecology for public review

S8. Impaired Waterbodies

- ◆ Limits for polluted waterbodies
 - Impaired Waters on 303(d) list
 - Water Clean Up Plans (TMDLs)
 - ◆ Turbidity
 - ◆ Fine Sediment
 - ◆ High pH
 - ◆ Phosphorus

S8. Impaired Waterbodies

- ◆ Monitoring/Discharge Requirements
 - Turbidity/Fine Sediment Impairment
 - Monitor turbidity
 - Phosphorus Impairment
 - Monitor turbidity
 - High pH Impairment
 - Monitor pH

S9. Stormwater Pollution Prevention Plan

- ◆ General SWPPP Requirements
 - Narrative
 - Map
- ◆ BMPs selected from Ecology's Stormwater Manuals or Equivalent

S9. Stormwater Pollution Prevention Plan

- ◆ SWPPP Contents Specified
 - 12 elements of SWPPP
- ◆ SWPPP Modification
 - If inspections show SWPPP is ineffective: additional or modified BMPs

S10. Notice of Termination

◆ Site Eligible:

- All construction stormwater discharges eliminated
 - All Temporary BMPs removed
 - Site has undergone final stabilization
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Appeal Timelines

- ◆ General Permit: Within 30 days of issuance or receipt
- ◆ Individual Site Coverage: Within 30 days of effective date.

QUESTIONS?

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