

Michigan DOT

***Soil Erosion and
Sedimentation
Control Program***



Topics

- P Regulations***
- P Fines and Penalties***
- P Inspection and Documentation***
- P Common SESC Measures***
- P Experimentation with new SESC Devices***
- P Questions***



Regulations in Michigan

P Natural Resources and Environmental Protection Act 1994 PA 451, As Amended

< Part 91 Soil Erosion and Sedimentation Control

< Part 31 Water Resources Protection

< Parts 31 & 91 are state laws



Part 91 - Soil Erosion and Sedimentation Control (SESC)

P Authorized Public Agency (APA)

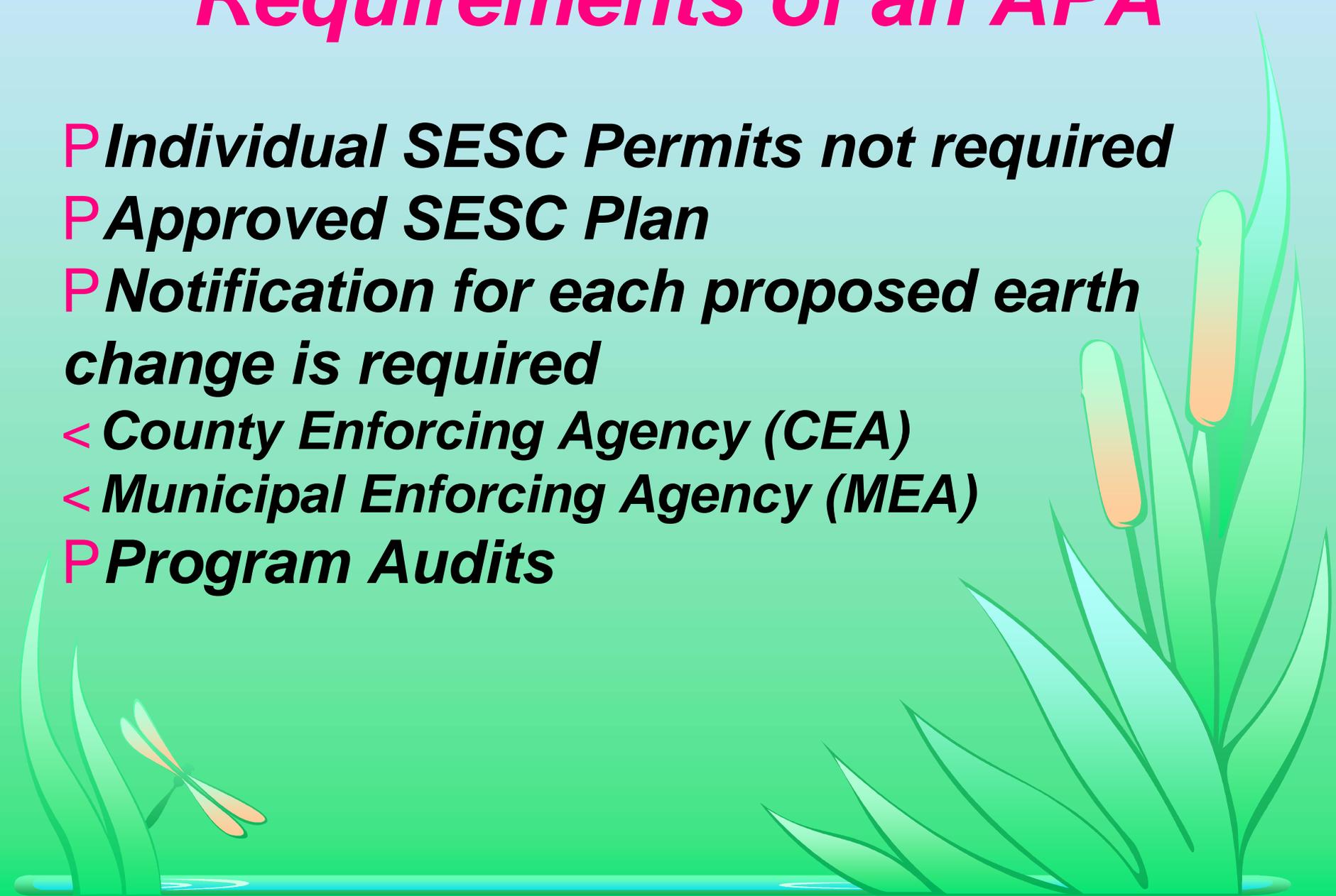
P SESC Manual or Plan = Contract Document

P Use and Maintenance required by Law



Requirements of an APA

- P Individual SESC Permits not required***
- P Approved SESC Plan***
- P Notification for each proposed earth change is required***
 - < County Enforcing Agency (CEA)***
 - < Municipal Enforcing Agency (MEA)***
- P Program Audits***



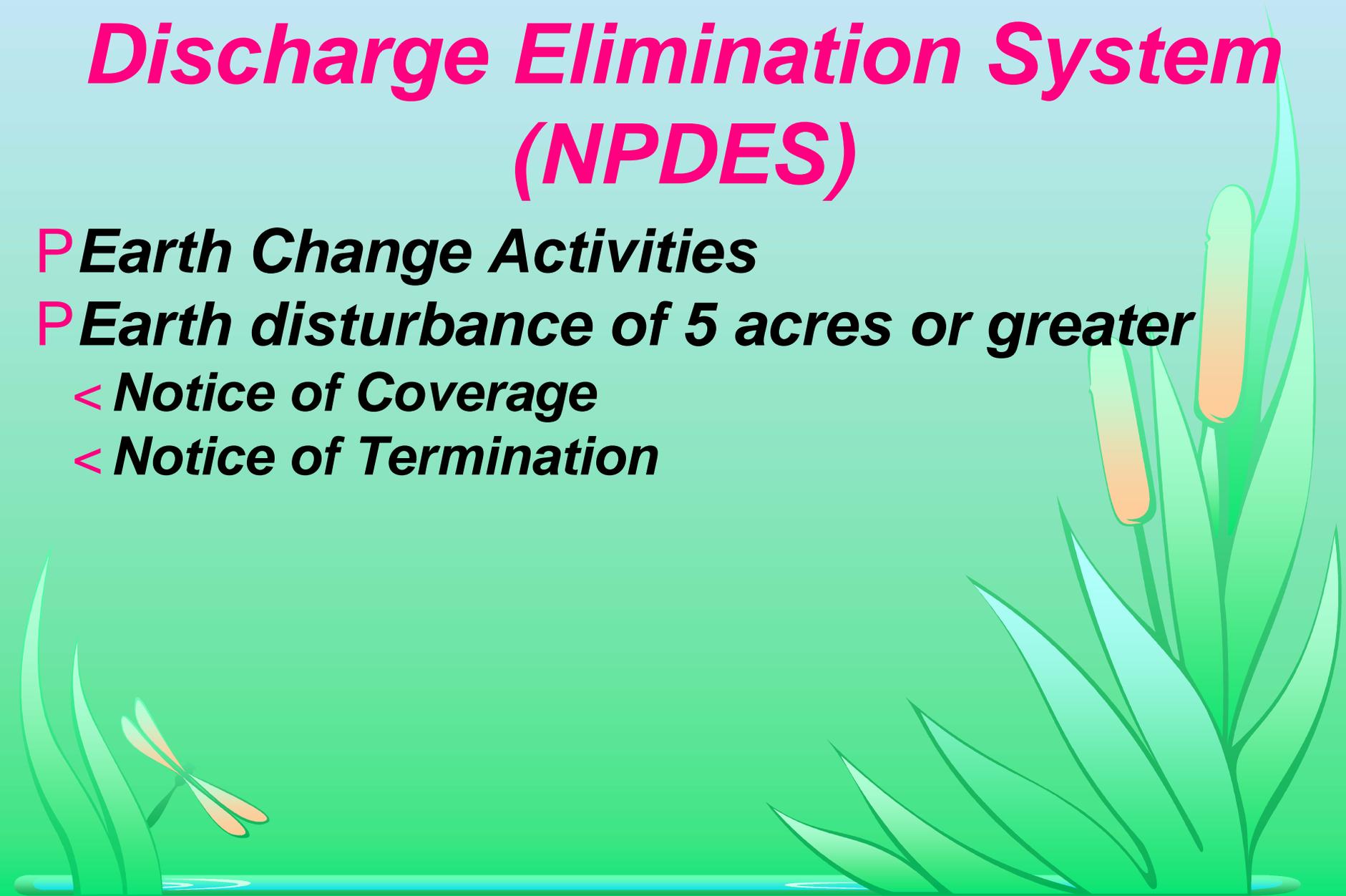
Part 31 - National Pollutant Discharge Elimination System (NPDES)

P Earth Change Activities

P Earth disturbance of 5 acres or greater

< Notice of Coverage

< Notice of Termination



Fines and Penalties

P Part 91

< Civil penalties

B Up to \$25,000 per day

P Part 31

< Civil penalties

B Up to \$5M

< Criminal penalties

B \$1M and five years in prison

P A person is defined as.....



Inspection and Documentation

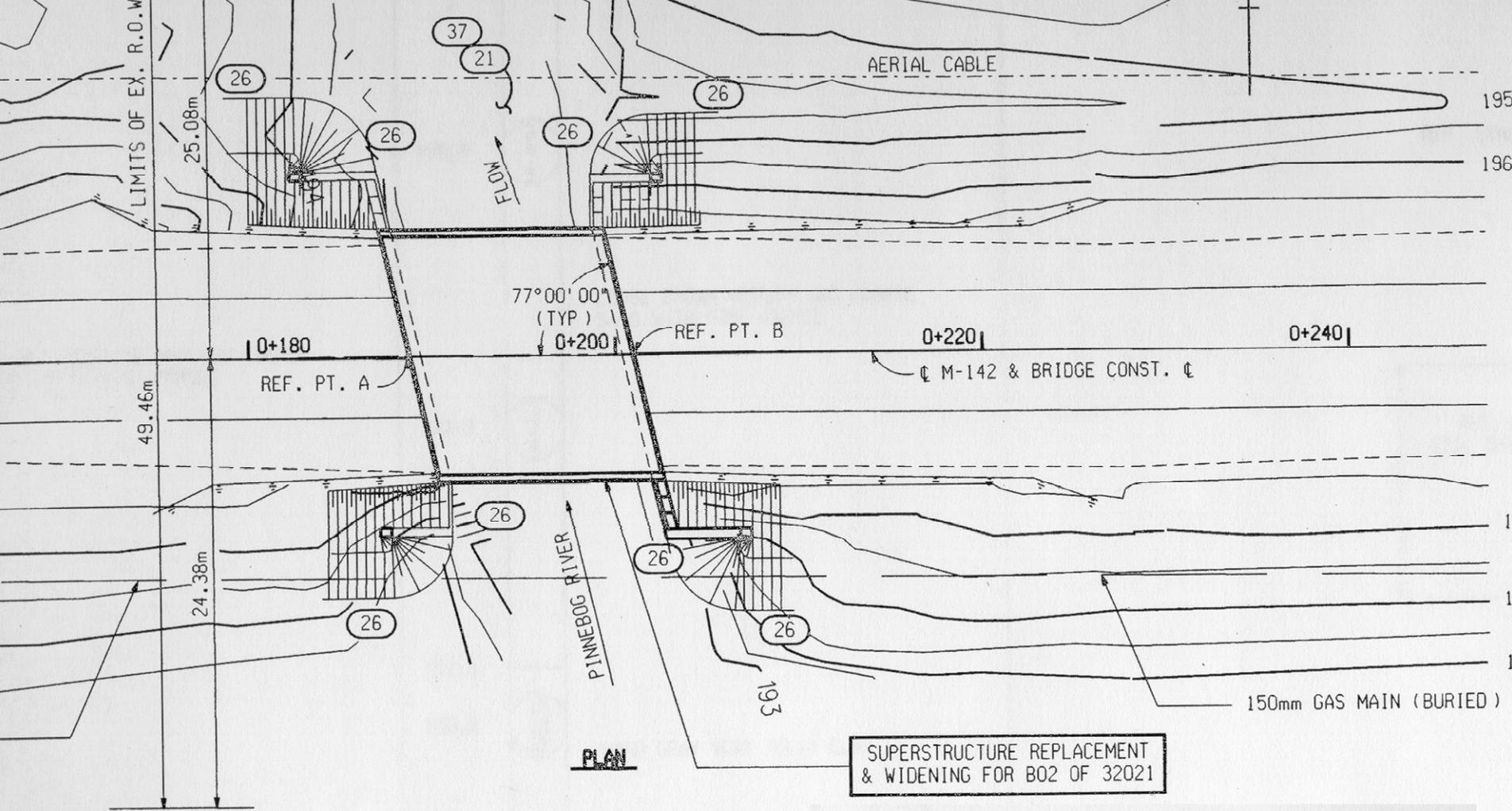
- P Construction Projects-1 acre or greater**
- P Time Requirements**
 - < Once per week**
 - < 24 hours after precipitation event**
- P MDOT Form 1126**
- P Winter Inspections**
 - < Frozen and stabilized no inspections**
 - < Unusually warm period resume inspections**



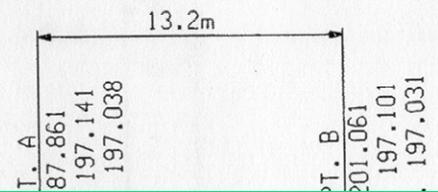


Common Soil Erosion Control Devices used by MDOT





SITUATION PLAN
SCALE - 1:250



EROSION AND SEDIMENTATION CONTROL MEASURES		
(21)	m ³	EROSION CONTROL, SEDIMENT BASIN, LM *
(26)	m	EROSION CONTROL, SILT FENCE * -
(37)	m	EROSION CONTROL, CHECK DAM, TEMP. *

* FOR QUANTITIES, SEE NOTE SHEET



Silt Fence-continued



Riprap



Stone Check Dams



Stone Check Dams-continued



Turbidity Curtain



Inlet Protection



Inlet Protection-continued



Inlet Protection-continued



Filter Bags



Filter Bags-continued



Mulch Blankets



*Experimental Soil Erosion
Control Devices currently
under evaluation by MDOT*



Permeable Runoff Structures



Permeable Runoff Structures-cont.



Turf Reinforcement Mats (TRM=s)



TRM=s-continued



Bonded Fiber Matrixes (BFM=s)

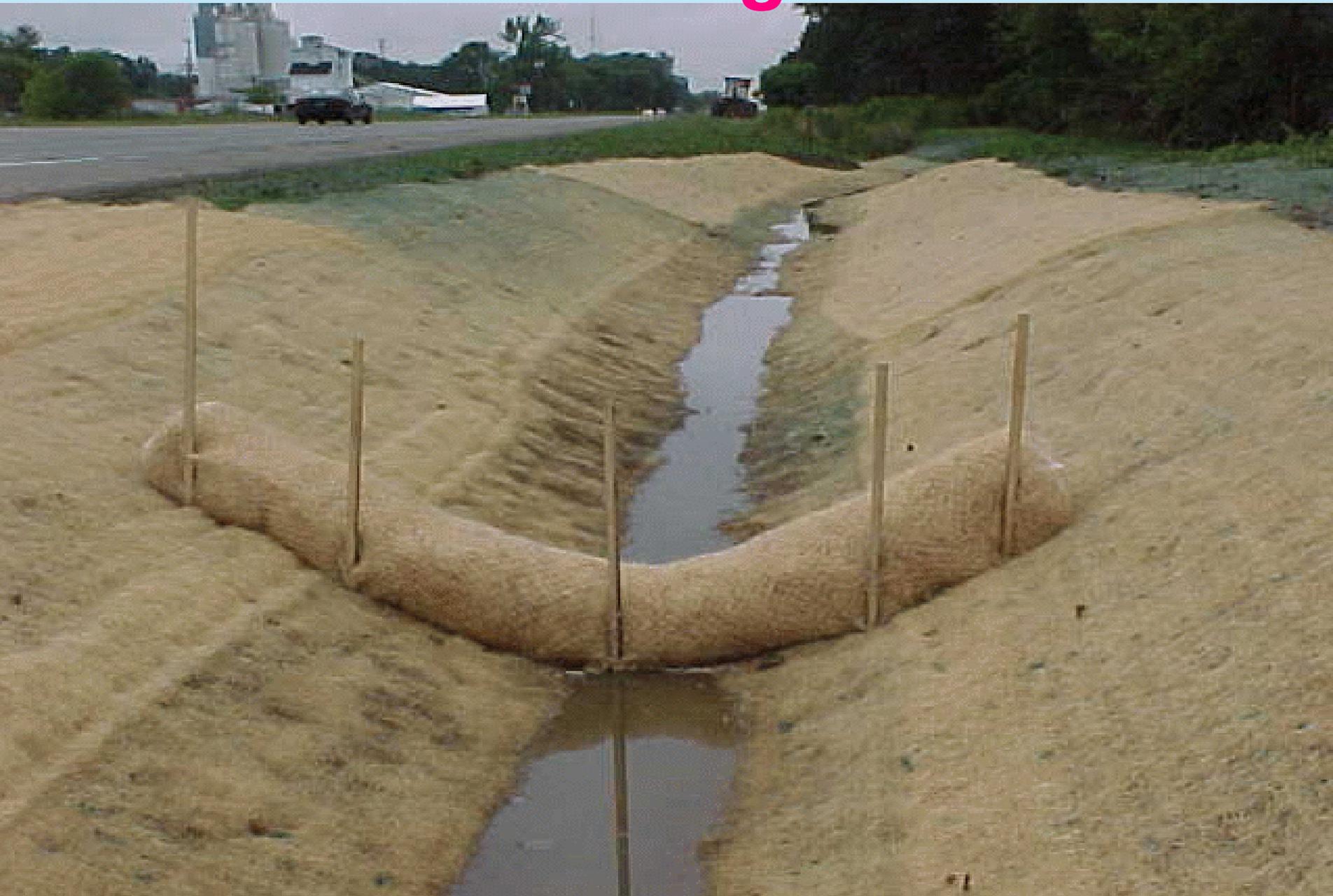




BFM=s-continued



Biolog





Questions?

