

TMDL Plans

MS4 Workshops – Pollutant Reduction and TMDL Stormwater Plans

Fall 2016

Tom Wolf, Governor

John Quigley, Acting Secretary

Training Goals

- Understand the differences between a Pollutant Reduction Plan and a TMDL Plan
- Clarify how a PRP and a TMDL Plan can be combined into a single plan



What is a TMDL?

- A Total Maximum Daily Load (TMDL) is the amount of pollutant loading that a waterbody can assimilate and meet our water quality standards.
- The TMDL process is a <u>planning tool</u> to develop pollution reduction goals that will improve impaired waters to meet water quality standards.



How You Gonna Know?	· -	and the same
How do I know-if I have a TMDL requirement?	3	, j
Look at the "MS4 Requirements Table"	t and the second	
See DEP <u>Home/Businesses/Bureau of Clean</u> Water/Water/Stormwater Management/Municipal Stormwater, then see "Program Updates"		:
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Components of a TMDL		
TMDL = LA + WLA + MOS	·	. Like
 LA = Load Allocation (non-point sources; implemented through restoration 		0k)(1() °
activities)	at mas in the contract of the	OHO'I
WLA = Waste Load Allocation (point sources; implemented through NPDES permits)		777(3)
MOS = Margin of Safety (uncertainty)		Energy in a shappy
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MS4 TMDL Plan Required When		
MS4 WLA, specific or bulk,		· .
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For nutrients and/or sediment		1
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Permit Considerations

- A TMDL requirement means an IP not a GP
- Any TMDL = No waiver
- TMDL Plan is due with the IP application



Differences: PRP and TMDL Plan

- 1. Existing Loads:
 - TMDL will provide the existing load or the basis for determining the existing load (may require user to provide land use distribution)
 - -PRP requires determination of existing loads



Differences: PRP and TMDL Plan

- 2. Load Reduction Targets
 - TMDL prescribes a load reduction determined to be that needed to meet WQS
 - TMDL Plan must show that ultimate reduction goal can be met along with progress to be made this permit term
 - PRP requires a specific percentage load reduction to be made this permit term



Differences: PRP and TMDL Plan

- 3. TMDLs may require interpretation
 - -"Existing conditions" not necessarily current existing conditions
 - -Loading included/excluded
 - Land not covered under authority of permit included
 - CSOs may not be excluded
 - Mapped sewershed not included



Differences: PRP and TMDL Plan

- 4. Time to meet TMDL goals not specified
 - Wide range of reduction requirements between TMDLs
 - More time needed to meet greater reduction goals



Same: PRP and TMDL Plan

- Planning Area
- Pollutants of concern
- · Cost-effective BMP options



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Must satisfy the requirements for both PRP and TMDL:

- PRP:
 - Chesapeake Bay: 10% sediment, and/or
 - Impaired Waters PRP: sediment and/or nutrients depending on local impairment
- TMDL:
 - General plan for ultimate load reduction
 - Permit term load reduction



Level of Planning Detail-Both Plans

- Permit term BMPs must be located
- Status/schedule of planning & design must demonstrate that compliance is feasible



Realistic to accept conceptual designs - plannik -level wormation, - Cocation, loads, estimates, - Schedule, and show you have resources to implement,

Public Participation

- · Same PP actions required as in a PRP
- Documentation submitted with the plan, same as a PRP



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Exercise: Q&A	
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