





## Update on Stormwater Issues at PennDOT



District 8-o / ASHE Conference  
2010

Jeffrey S. MacKay, PE, CPESC

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## Agenda

- How is PennDOT's Antideg. and PCSM Policy working?
- Elimination of the "point source discharge" stipulation
- Redefining "road maintenance projects" and its impact on 3R projects
- Less bridge projects to require NPDES permits

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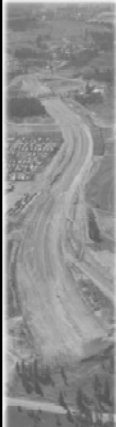
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## Agenda

- Impact of codification of standards in the PA Stormwater BMP Manual
- Act 167 plans
- PSTWG and the PA Stormwater BMP Manual
- Additions to the PennDOT Drainage Manual (Pub. 584)

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### How is the Antideg-PCSM Policy Working?

- Less detention basins = less initial and maintenance costs
- More vegetated swales and vegetated filter strips
- Minimal SW measures at bridge sites

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### Proposed Changes to PA Code Chapter 102

- Chapter 102 – Erosion and Sediment Control
- Draft changes published for comment in 10/2009
- PennDOT commented
- Anticipated issuance in 12/2010

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### Elimination of “Point Source Discharge” Stipulation

- Currently, projects disturbing between 1 and 5 acres must also have a point source discharge to a surface water to require a permit
- Ch. 102 revisions will eliminate this stipulation
- All projects disturbing > 1 ac. will need an NPDES permit\*

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## Maintenance Projects

- Certain projects are exempted from the 1 ac. of disturbance condition for NPDES permits
- Disturbance up to 25 ac. allowed
- Definition of “road maintenance activities” to be redefined

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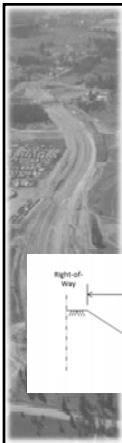
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## Maintenance Projects

- Guidance document being developed to clarify intent
- Define the roadway cross section



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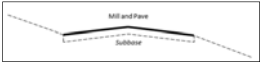
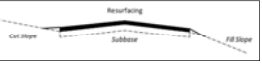

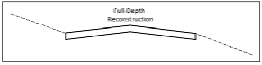
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## Maintenance Projects

- Common maintenance activities
- Examples

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### Bridge Projects and NPDES Permits

- Most bridge (only) projects will not be required to file a permit, even if disturbed area > 1 ac.
- If part of a larger (corridor) project, not exempt
- DEP/PennDOT will clarify in guidance

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### Codification of Standards in PA SW BMP Manual

- Control guidelines (CG-1) will be minimum standards for PCSM
- Many provisions for roadway projects included in the rewrite of Chapter 102

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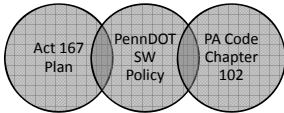
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### Codification of Standards in PA SW BMP Manual

- PennDOT PCSM-Antideg. Policy to be re-evaluated by DEP
- Standards and criteria in policy still applicable
- Act 167 plans take precedence



The diagram consists of three overlapping circles. The left circle is labeled 'Act 167 Plan', the middle circle is 'PennDOT SW Policy', and the right circle is 'PA Code Chapter 102'. All three circles overlap in a central area.

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## Act 167 SWM Plans

County-wide  
Act 167 Plans  
in District 8-o

County	Act 167 Plan Status
Adams	Under way
<b>Cumberland</b>	<b>Near completion</b>
<b>Dauphin</b>	<b>Completed</b>
Franklin	Under way
<b>Lancaster</b>	<b>Near completion</b>
Lebanon	No activity
Perry	No activity
York	Under way

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## Act 167 SWM Plans

Watershed-based  
Act 167 Plans  
in District 8-o

County	Approved	Watershed(s)
Adams	11/1/2002	Monocacy River
	2/6/1997	Antietam Creek
Cumberland	5/7/2002	Gettysburg
	5/7/2002	Yellow breeches Creek (Upper)
	10/17/1994	Hogestown/Trindle Spring Runs
Dauphin	7/13/2005	Wicomeco Creek
	8/11/2004	Stony Creek
	12/29/2005	Beaver/Bow/Manada Creeks
	8/11/2004	Armstrong Creek
	8/11/2004	Garde Run
	8/11/2004	Powell Creek
	9/29/2005	Faxton Creek
	8/9/2005	Spring Creek (West)
	8/11/2004	Clark Creek
	8/11/2004	Fishing Creek
Franklin	11/10/2003	Conococheague Creek
	2/6/1995	Antietam Creek
	11/1/2002	Monocacy River
Lancaster	8/6/2002	Catawba Creek
	9/6/2005	Conestoga River
	6/25/1998	Mill Creek
	6/25/1998	Little Conestoga Creek
Lebanon	10/12/2002	Catawba Creek
	11/20/2001	Tulphocken Creek
	8/12/2002	Tulphocken Creek
York	4/5/2005	Kreutz Creek
Perry		None

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## PSTWG and the DEP SW BMP Manual

- Pennsylvania Stormwater Technical Work Group (PSTWG)
- Primary goal is to develop and present recommended changes to the DEP SW BMP Manual
- Group comprised of technical experts in SW design/etc.
- Linear Projects sub-group

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## PSTWG and the DEP SW BMP Manual

Subgroup	Topic	Team Leader
A	CGs	Robert Turner
B	Methods	Michelle Adams
C	Vegetation Systems	Mark Pomeroy
D	Capture & Retain	Bob Neider
E	WQ	Frank Swann
F	Infiltration	Russ Lincee
G	Reconnection	Gary Miller
H	Hydrology & Linear	Jeff MacKay
I	Inspections, CAM	Al Rubin

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## PennDOT Drainage Manual (Pub. 584)

- Clearance Transmittal routed for new chapters
- Ch. 4 – Documentation and Document Retention
- Ch. 6 – Data Collection
- Ch. 19 – Design-Related Construction Considerations

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