

HAMPDEN STORMWATER PROGRAM UPDATE

Stormwater Committee Meeting September 17, 2020

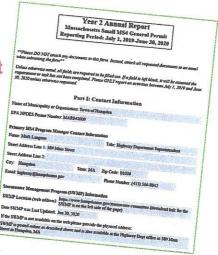
Emily Tully, Tighe & Bond



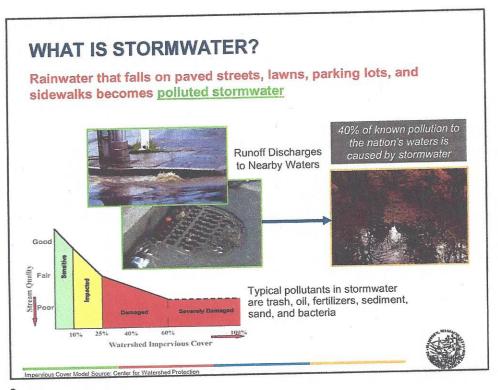
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PURPOSE OF THIS MEETING

- Provide an update on Hampden's ongoing stormwater management program
 - Activities completed in Year 2
 - Activities planned for Year 3
- Solicit feedback on stormwater program







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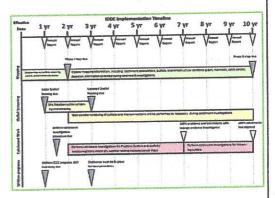
EPA'S SMALL MS4 STORMWATER PROGRAM

- MS4 = Municipal Separate Storm
 Sewer System
- Jointly administered by EPA and MassDEP
- Hampden's MS4 area includes all drainage within the "urbanized area"



EPA'S SMALL MS4 STORMWATER PROGRAM

- Notice of Intent (NOI) under the 2016 Small MS4
 General Permit submitted September 28, 2018
- Authorization to discharge stormwater received April 5, 2019
- Stormwater
 Management Plan
 (SWMP) finalized
 July 1, 2019, updated
 June 30, 2020





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HAMPDEN'S STORMWATER PROGRAM (SWMP)

- Minimum Control Measures (MCMs):
 - 1. Public Education and Outreach
 - 2. Public Involvement and Participation
 - 3. Illicit Discharge Detection and Elimination (IDDE) Program
 - Construction Site Stormwater Runoff Control
 - 5. Stormwater Management in New Development and Redevelopment
 - 6. Good Housekeeping and Pollution Prevention
- Total Maximum Daily Loads (TMDLs) and Impaired Waterbody Requirements





HAMPDEN'S SWMP: PERMIT YEAR 2 IN REVIEW

- MCM 1: Public Education and Outreach
 - Annual messages to residents, businesses, institutions, and commercial facilities



- SWMP available online and at Highway Garage for public review
- Stormwater Committee meetings
- Other activities postponed due to COVID-19

Do Your Part, Be SepticSmart!

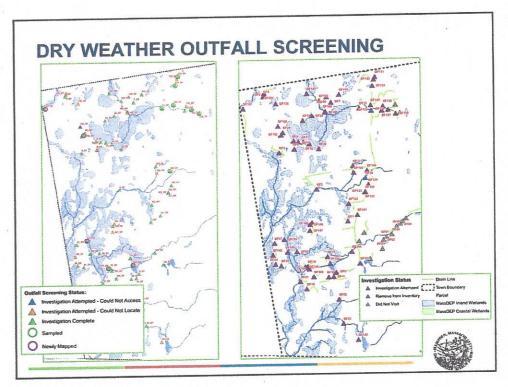
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https://www.hampdenma.gov/stormwatercommittee/links/town-hampden-stormwater-management-plan

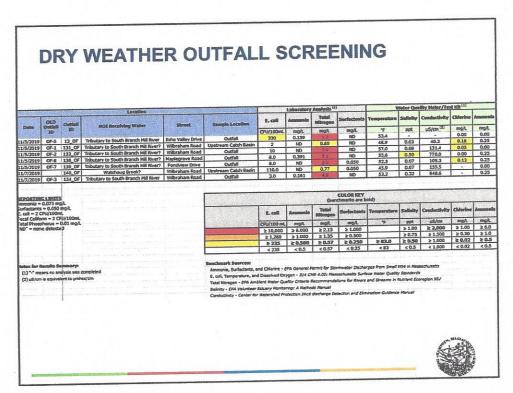


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HAMPDEN'S SWMP: PERMIT YEAR 2 IN REVIEW MCM 3: IDDE Program Written catchment investigation procedures Outfall screening and dry weather sampling Outfall inventory and stormwater map updates | Particular State | Particular | Part

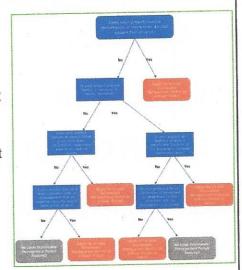


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HAMPDEN'S SWMP: PERMIT YEAR 2 IN REVIEW

- MCMs 4 & 5: Construction Site and Post-Construction Stormwater Management
 - Stormwater bylaw revisions to meet additional requirements of 2016 Small MS4 General Permit
 - Stormwater permit application form revisions
 - Site inspection forms
 - Permitting flow chart





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HAMPDEN'S SWMP: PERMIT YEAR 2 IN REVIEW

- MCM 6: Good Housekeeping and Pollution Prevention for Permittee Owned Operations
 - Inventory of municipally owned buildings, facilities, parks, and open space, vehicles and equipment
 - Written Operations and Maintenance (O&M) program for municipal facilities and activities
 - Stormwater Pollution
 Prevention Plans
 (SWPPPs) for Highway
 Garage and Transfer
 Station





HAMPDEN'S SWMP: PERMIT YEAR 3

- MCM 1: Public Education and Outreach
 - Continue with annual messages
 - Develop messages for developers and industrial facilities
- MCM 2: Public Involvement and Participation
 - Continue to make SWMP available for public review and comment
 - Consider other, safe ways to involve public in stormwater program







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HAMPDEN'S SWMP: PERMIT YEAR 3

- MCM 3: IDDE Program
 - Update priority ranking of outfalls based on results of dry weather screening and new impairment designation of Scantic River

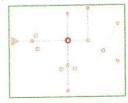
Category 5 waters listed alphabetically by major watershed The 303(d) List – "Waters requiring a TMDL"

Water Body	Segment ID	Description	Size	Units	Impairment
Scantic River	MA34-30	Messochusetts/Connectical border, Monson downstream to the Massochusetts/Connectical border, Harmodert.	9.60	Miles	Escherichia Coli (E. Coli)

- Start catchment investigations
 - Identify key junction manholes
 - Perform dry weather screening at up to 70 key junction manholes



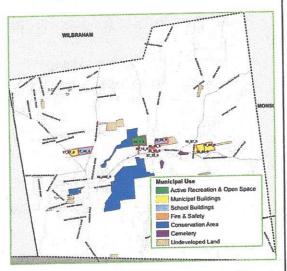






HAMPDEN'S SWMP: PERMIT YEAR 3

- MCM 4: Construction Site Stormwater Runoff Control
 - Continue tracking site plan reviews and inspections
- MCM 5: Post-Construction Stormwater Management
 - Municipal stormwater retrofit inventory

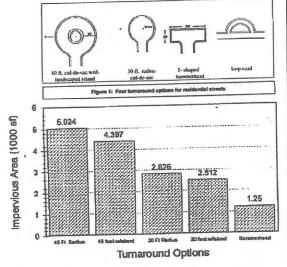




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HAMPDEN'S SWMP: PERMIT YEAR 3

- MCM 5: Post-Construction Stormwater Management
 - Regulatory
 assessment –
 impervious cover
 creation
 - Regulatory assessment – green infrastructure





HAMPDEN'S SWMP: PERMIT YEAR 3

- MCM 6: Good Housekeeping and Pollution Prevention for Permittee-Owned Operations
 - Quarterly SWPPP inspections at Highway Garage and Transfer Station
 - Implementation of Good Housekeeping SOPs
 - Annual requirements and record keeping







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SUMMARY OF HAMPDEN'S SWMP

- Hampden is actively meeting MS4 requirements
- Annual Report due September 28, 2020
- Bylaw revisions need to be adopted by end of PY 3
- Revisions to the 2016 Small MS4 General Permit to become effective soon



LOOKING AHEAD AT FUTURE REQUIREMENTS



Annual reporting and tracking requirements



PY 4: implement recommendations from planning reports, develop Nitrogen Source Identification Report



PY 5: plan and schedule for retrofit structural BMPs for Nitrogen removal



Longer term: install one demonstration BMP by PY 6, complete Phase II map and catchment investigations by



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