Canton’s Stormwater Program Update

Town of Canton MA, Board of Selectmen’s Meeting
September 25, 2018

Presented by: Michael Trotta, DPW Director and Kirsten Ryan, Project Manager, Kleinfelder, Cambridge MA
Stormwater MS4 Permit Update

- What is the MS4 Permit and the MS4 Notice of Intent (NOI)?

- How was Canton’s NOI developed?

- How will the stormwater management program be implemented in Canton?
What is the MS4 Permit?

• Federal (EPA)
• Clean Water Act 1972 - regulates point source discharge of pollutants to waters of the US
• Municipal Separate Storm Sewer System (MS4)

✓ Wastewater Treatment Plants
✓ Industrial Sources
✓ Construction Activity
✓ Stormwater Sources (MS4)
Massachusetts MS4 Permit Deadlines

- **Final MS4 Permit**: Issued April 4, 2016
- **Effective date**: 7/1/2018
- **5-year Permit Term**: 7/1/18 – 7/1/23

- **First deadline:**
  - Submission of a Notice of Intent (NOI) due 10/1/2018

- **Due by 6/30/19**: written Stormwater Management Plan
MS4 Program Components

Two main components:

1. **6 ‘Minimum Control Measures’ or “MCMs”**
2. **Water quality based requirements**

*Reservoir Pond*
MS4 Program Components

6 ‘Minimum Control Measures’ or “MCMs”

1. Public Education / Outreach
2. Public Involvement / Participation
3. Illicit Discharge Detection & Elimination (IDDE) Program
4. Construction Site Runoff Control
5. Stormwater Management in New/Re-development
6. Good Housekeeping / Pollution Prevention

Must implement to ‘maximum extent practicable’
MS4 Program Components:

Water quality based requirements

Impaired Waters: Water quality too poor to meet standards.

Total Maximum Daily Loads (TMDLs):

- Specific pollution ‘diet’ for streams, rivers, ponds
- the maximum amount of a pollutant that a body of water can receive while still meeting water quality standards.
What is the MS4 Notice of Intent (NOI)?

- **Purpose**
  - acknowledge Permit requirements specific to Town
  - Develop outline to comply with Permit requirements

- **Describes:**
  - **What** - the actions the Town will implement
  - **When** – the beginning year of implementation
  - **Who** – the responsible department
How was Canton’s NOI developed?

- **Canton Stormwater Task Force**
  - Three meetings in 2017 and one meeting in 2018
  - Town staff representing:
    - Public Works
    - Planning
    - Board of Health
    - Building Inspector
    - Parks and Recreation
    - Conservation
    - Management Information Systems
  - Member of the Business Association (CABI)
## Responsible party by MCM

<table>
<thead>
<tr>
<th>Minimum Control Measure</th>
<th>Responsible Party</th>
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<tbody>
<tr>
<td>1) Public Education / Outreach</td>
<td>DPW, Planning*, Conservation, IT, Town Clerk, Parks &amp; Recreation, Health</td>
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<tr>
<td>2) Public Involvement / Participation</td>
<td>Town Administrator, Planning*</td>
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<tr>
<td>3) Illicit Discharge Detection &amp; Elimination (IDDE) Program</td>
<td>DPW</td>
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<tr>
<td>4) Construction Site Runoff Control</td>
<td>Conservation</td>
</tr>
<tr>
<td>5) Stormwater Management in New/ Redevelopment</td>
<td>DPW, Planning, Conservation</td>
</tr>
<tr>
<td>6) Good Housekeeping / Pollution Prevention</td>
<td>DPW</td>
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* With assistance from CABI
How will the **stormwater management program** be implemented in Canton?

- Stormwater Management Plan update (due to EPA - 6/30/2019)
  - Narrative documenting procedures and specific details of stormwater management program, as outlined in the NOI
  - Draft from 2013 to be updated

- Task Force vs. formal committee?
- Primary authority?  Funding?
Next Steps / Future Needs:

- Decide on Task Force structure going forward
- Evaluate program funding options

- Implement new Stormwater Management Plan
- Engage the public in the program

Evaluate Stormwater Program annually
  - What’s working? What’s Not? – make adjustments
Questions / Discussion?

To learn more:

https://neponsetstormwater.org/

www.cantonstormwater.org

http://www.mass.gov/eea/docs/dep/water/wastewater/a-thru-n/ms4-cic-residential-flyer.doc

- Mike Trotta, Director, Canton DPW
  mtrotta@town.canton.ma.us
  781-821-5023

- Kirsten Ryan, Project Manager, Kleinfelder
  kryan@kleinfelder.com
  617-498-4478