

# *Cumberland's Stormwater Permit and Natural Resources Protection*

**Chris Bolduc, Assistant Town Manager  
Laura Neleski, Stormwater Coordinator  
Jodie Keene, Outreach Coordinator**

The seal of Cumberland, Maine, is circular. It features a central shield with a landscape scene, possibly a river or lake, flanked by trees. Above the shield is a banner with the word "CUMBERLAND" and below it is another banner with the word "MAINE". The entire seal is surrounded by a decorative wreath.

© 2011 Cumberland Land

# *Cumberland's Stormwater Permit and Natural Resources Protection*

**Chris Bolduc, Assistant Town Manager  
Laura Neleski, Stormwater Coordinator  
Jodie Keene, Outreach Coordinator**

The seal of Cumberland, Maine, is circular. It features a central shield with a landscape scene, possibly a river or lake, flanked by trees. Above the shield is a banner with the word "CUMBERLAND" and below it is another banner with the word "MAINE". The entire seal is surrounded by a decorative wreath.

© 2011 Cumberland Land



# What is Stormwater?

- Stormwater is precipitation or melted snow flowing over the land plus anything carried along with it.



## FOLLOW THE FLOW Where does water go?

Not all water that falls on your property soaks into the ground. As water flows off your property, it can wash pollutants such as soil, lawn chemicals and pet waste into where we fish, what we drink and where we swim.

It's up to all of us to protect our local rivers, lakes and bay from polluted runoff.

Learn how at  
[www.ThinkBlueMaine.org](http://www.ThinkBlueMaine.org)





# Polluted Stormwater

- Drainage systems also carry pollutants like sediment, oil, fertilizers, salt, pet and farm animal waste and trash.
- Rainwater that falls on paved streets, lawns, parking lots and sidewalks becomes polluted stormwater.



# CWA requires regulation of stormwater discharges

## Municipal Permit

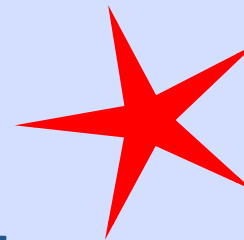
- 5 year permit cycles
- 1<sup>st</sup> permit issued in 2003 – next permit due in 2018
- Additional regulations required with each new permit cycle
- DEP administers Maine's permit
- Each regulated community must develop and submit a Stormwater Plan consistent with the permit

CWA  
Clean Water Act

NPDES  
National Pollutant Discharge  
Elimination System



MS4 Stormwater  
Permit



# Our Permit requires full compliance with 6 “Minimum Control Measures”



# **All regulated municipalities can expect to be audited each permit cycle for Clean Water Act Permit compliance**

**Common Deficiencies found through the DEP's Auditing are:**

## **☐ MCM3: Illicit Discharge Detection & Elimination**

- Clear procedures and follow up

## **☐ MCMs 4 & 5: Stormwater Management During & After Construction**

- Site inspections during construction
- Process for inspecting stormwater systems after construction

## **☐ MCM6: Good Housekeeping & Pollution Prevention**

- Stormwater Pollution Prevention Plans (SWPPPs)
- Staff training & standard operating procedures / work practices

## **☐ ALL: Documentation of required activities**



# Stormwater Program Audits

- We were Audited in May 2016 by the MDEP



## ➤ Results – Excellent

- A significant reason we were successful with our audit was Interdepartmental Coordination in paying attention to these details – We checked all the boxes!

- ✓ ☒ **MCM3: Illicit Discharge Detection & Elimination**
  - Clear procedures and follow up
- ✓ ☒ **MCMs 4 & 5: Stormwater Management During & After Construction**
  - Site inspections during construction
  - Process for inspecting stormwater systems after construction
- ✓ ☒ **MCM6: Good Housekeeping & Pollution Prevention**
  - Stormwater Pollution Prevention Plans (SWPPPs)
  - Staff training & standard operating procedures / work practices
- ✓ ☒ **ALL: Documentation of required activities**

Obviously, Cumberland is doing a very good job complying with the 2013-2018 Stormwater Permit. However, there have certainly been some challenges along the way:

- The quantity of inspections
- Time required for tracking and documentation
- The technical knowledge needed to ensure compliance



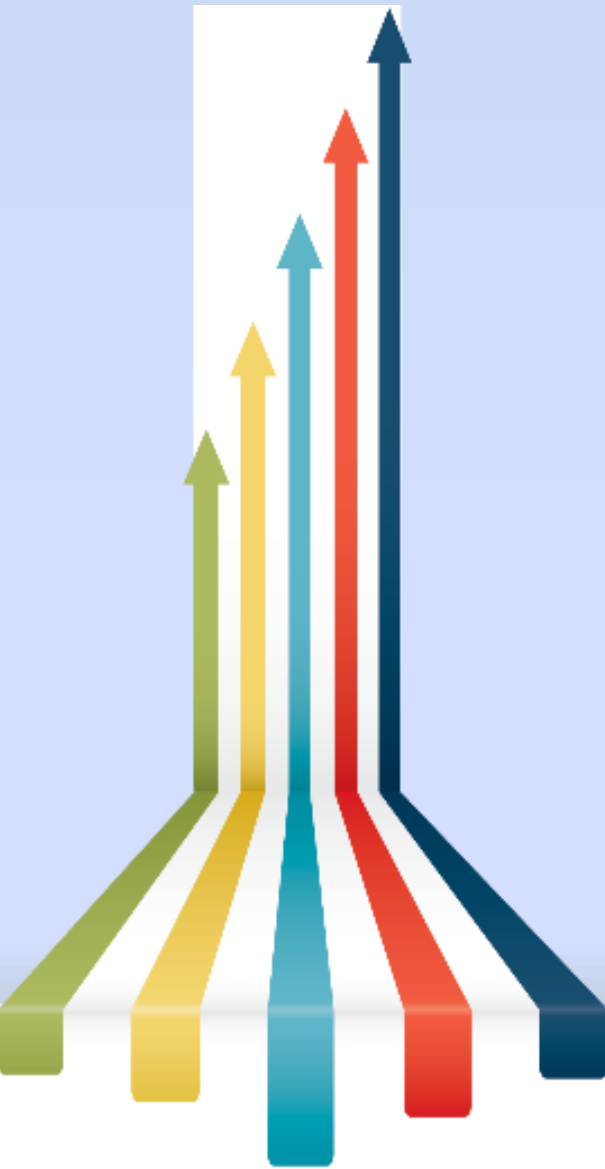
And as we mentioned earlier, each Permit adds on the previous Permit so it's certain that we'll have additional requirements come 2018.



Here to explain this a bit more is Jodie Keene, the Outreach Coordinator for Cumberland County Soil & Water Conservation District.



# Potential for Increased Requirements



## **MCM1: Public Education & Outreach and**

## **MCM2: Public Involvement & Participation**

- New outreach plans
- New audiences, new messages

## **MCM3: Illicit Discharge Detection & Elimination**

- Huge potential impact – technical support

## **MCM4: Construction Site Runoff Control**

- Increased frequency of inspection
- Increased documentation requirements

## **MCM5: Stormwater Management after Construction**

- Potential for increased requirements for Town staff
- Expectation for higher-level documentation

## **MCM6: Good Housekeeping & Pollution Prevention**

- Expanded pollution prevention measures
- Increased frequency of CB cleaning and/or street sweeping

# Drilling Down – One Example

## MCM3: Illicit Discharge Detection & Elimination

Huge potential impact

- GIS mapping & modeling – identification of outfall catchment areas
- Prioritization – rank each outfall according to potential to pollute
- Inspection frequency – every outfall, every year
- Inspection locations – Town-wide



# Questions / Discussion

