EPA Phase II Program

- First General Permit 2003 – 2008
  - Established Minimum Performance Standards
  - Required Stormwater Management Plan
  - Annual Reporting

- Second General Permit
  - Published for comment
  - EPA reviewing comments
EPA Phase II Program Requirements

Six Minimum Control Measurements

- Public Education and Outreach
- Public Information and Participation
- Illicit Discharge detection and elimination
- Construction site stormwater runoff control
- Post construction stormwater management
- Pollution prevention and good house keeping in municipal operations
Public Education and Outreach

- Stormwater video created and aired on Channel 22 annually
- Articles published in Community Notes
- Storm basin stenciling
- Pet waste program
Public Information and Participation

- Prepared Stormwater Management Plan and presented to City Council
- Pet waste program
- NROC
- Solid Waste Program
  - Household hazardous waste collection
  - Recycling program
Illicit Discharge Detection and Elimination (IDDE)

- Partnered with NHDES to identify and remove illicit discharges since 1999
- Developed NH Handbook for IDDE program (Seacoast Stormwater Coalition)
- Participated in IDDE training to develop an IDDE plan for Dover
Construction Site Stormwater Runoff Control

- Update subdivision and site review regulations
  - All projects 1 acre or more
  - Establish fines and penalties for noncompliance
  - Formally require Erosion and sediment control plans

- Continue to require preconstruction conferences

- Continue to provide site inspections
  - To insure site controls are in place
  - To insure site controls are maintained during construction
Post Construction Stormwater Management

- Update subdivision and site review regulations
  - Projects disturbing 1 acre or more
  - Encourage use of latest BMP’s
  - Encourage LID development
- Require stormwater operation and maintenance plans for new development and redevelopment sites
- Continue inspection of construction
Pollution prevention and good house keeping in municipal operations

- Program to reduce pollutant runoff from municipal operations.
  - Facility maintenance
  - Fleet maintenance
  - Roadway drainage system maintenance and,
  - Stormwater system maintenance.
Roadway drainage system maintenance

- Road ditch and drainage swale maintenance
- Culvert replacement
- slope repair
- Flooding
Storm water system maintenance

- System mapping
- System inspection
- Catch basin and manhole cleaning
- Pipe cleaning
- Outlet repair
Dover At a Glance

**Streets and Drains**
- 2857 Catch basins
- 650 Manholes
- 65 miles of pipe
- 204 discharge locations
- 140 Culverts
- 101 miles of open drainage

**Annual budget** $223,440

**Sewer**
- 2835 Sewer manholes
- 119 miles of pipe
- Pump stations

**Annual Budget** $4,302,463
**Proposed 2008 Permit**

*Retain Six Minimum Control Measures*

- Require higher rate of catch basin cleaning,
- Require street sweeping twice per year,
- Perform annual inspection of all structures
- Require more effort in identifying and removing illicit connections,
- Perform monitoring of stormwater, and
- Implement system upgrades to improve water quality,
- Encourage the use of low impact development and green infrastructure techniques
## Projected Additional Stormwater Costs for Second Permit Cycle

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Where Do Go From Here

- What might it cost in the future?
- How will we pay for it?
- What do we do next?
What Might It Cost In The Future?

Stormwater Program Costs

Dollars per Acre per Year

$0

$50

$100

$150

$200

Incidental

Minimal

Moderate

Advanced

Exceptional

$33
How Will We Pay For It?

- **Currently Stormwater is funded from General Fund**
  - Property Tax everyone pays based on property value
- **Alternative is establishment of a Stormwater Utility**
  - User fee based
  - Sewer, Water & Solid Waste
What Do We Do Next?

- Need to budget for FY 2010 cost increase
- Explore funding alternatives
  - NHDES grant to perform feasibility study on establishing a Stormwater Utility in Dover
    - Apply for grant
    - Hire a consultant to conduct study
    - Present report to City
    - Decide whether to pursue establishing a stormwater utility