



# Section Four

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# Control Measure 4: Construction Site Runoff Control

Control Measure 4, Construction Site Runoff Control, is designed to reduce impacts to stormwater from active construction sites greater than one acre in area. To comply with control measure 4, the City must "... develop, implement, and enforce a pollutant control program to reduce pollutants in any stormwater runoff from construction activities that result in land disturbances of one or more acres."<sup>1</sup>

The program for this control measure must include:

- An ordinance or other regulatory mechanism requiring erosion and sediment controls
- Sanctions to ensure compliance (such as fines, permit denials, non-monetary penalties, etc.)
- Requirements for construction site operators to implement appropriate erosion and sediment control BMPs
- Procedures for site plan review that incorporate consideration of potential water quality impacts
- Requirements to control other wastes such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste
- Procedures for receipt and consideration of information submitted by the public
- Procedures for site inspection and enforcement of control measures

To address Control Measure 4, Haverhill's Stormwater Management plan includes activities the City is already doing, such as receiving public comment on local construction projects and review of stormwater plans for projects under Conservation Commission jurisdiction. In addition, the City will develop ordinances to require stormwater reviews on all construction sites greater than one acre, regardless of whether or not the project falls under the jurisdiction of the Conservation Commission. The City will also add site inspection procedures. Together these BMPs will maintain and improve control of runoff from active construction sites greater than 1 acre.

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<sup>1</sup> United States Federal Register, Volume 64, No. 235, December 8, 1999 – Final Rule of the NPDES – Regulations for Revision of the Water Pollution Control Program Addressing Storm Water Discharges

### **BMP #4-1: Review Existing Ordinance Requiring a Stormwater Control Plan for Sites Disturbing More than 1-acre, Make Changes as Necessary**

*Description:* Currently, all new projects under the jurisdiction of the Conservation Commission are required to submit a stormwater management plan and Scheduled Maintenance Plan. The Planning Department, Conservation Commission, Engineering Department, and Water & Wastewater Department must approve the plan. In the short term this procedure will continue, as it appears to be working well. The current procedures will be reviewed and changes recommended as necessary to ensure compliance with the Phase II program. Anticipated changes in the ordinance will likely include:

- Requirement for submittal of stormwater plan for all projects greater than 1 acre, regardless of whether or not the Conservation Commission has jurisdiction.
- Required approval of the stormwater plan from the Stormwater Coordinator, in addition to other approvals.
- Requirement to submit a plan to control other wastes such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste.
- Requirement to submit a plan that specifically recommends appropriate sediment and erosion controls.
- Implementation of sanctions to ensure compliance.

*Measurable Goal:* Review existing ordinances and draft changes as necessary.

*Schedule:* Review existing ordinances in fall 2003. Draft ordinance changes as necessary in late 2003. Present ordinance to City Council in spring 2004, and each spring thereafter until passed.

*Responsible person/department:* Conservation Commission, Engineering Department, Water & Wastewater Department, Stormwater Coordinator.

*Cost:* Staff time to review existing ordinances and modify as needed. Time to prepare and present ordinance to City Council.

### **BMP #4-2: Develop Procedure for Receipt and Consideration of Public Comment**

*Description:* The public currently has the opportunity for comment at Zoning Board of Appeals (ZBA), Planning Board, City Council, and Conservation Commission meetings. This procedure will continue. If there are any construction projects in City disturbing more than 1 acre, but not under the jurisdiction of the ZBA, Planning Board, City Council, or Conservation Commission, public comment procedures will

be developed and implemented. BMP #2-4, "Publicize and Maintain Stormwater Hotline", will serve as another means for the public to comment.

*Measurable Goal:* Review existing ordinances and draft changes as necessary to ensure public comment. Procedures developed and maintained, public comment received at public hearings.

*Schedule:* Review existing ordinances in fall 2003. Draft ordinance changes as necessary in late 2003. Present ordinance to City Council in spring 2004, and each spring thereafter until passed.

*Responsible person/department:* Conservation Commission, Engineering Department, Water & Wastewater Department, Stormwater Coordinator.

*Cost:* Staff time to review existing ordinances and modify as needed. Time to prepare and present ordinance to City Council.

### **BMP #4-3: Site Inspection of Stormwater Control and Construction Material Management**

*Description:* Stormwater controls such as silt fences and hay bales, and construction material storage such as gravel and sand piles, will be routinely inspected at construction sites greater than 1 acre to ensure compliance with the approved stormwater plans required under BMP # 4-1. Site inspectors, if different from the Stormwater Coordinator, will be trained on what to look for during inspections such as improperly installed and maintained controls.

*Measurable Goal:* Site inspectors regularly check erosion control measures.

*Schedule:* Initiate site inspections as soon as enforcement sanctions are authorized under BMP #4-1. Once initiated, continue throughout the permit term.

*Responsible person/department:* Conservation Commission, Engineering Department, Water & Wastewater Department, Stormwater Coordinator.

*Cost:* Additional staff time for site inspections; varies with project size and number of ongoing projects.