

Stormwater Management Plan – 2007 Annual Report  
Town of Manchester

**INTRODUCTION**

In accordance with Section 6(i) of the *General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems*, the Town of Manchester hereby submits its annual report identifying the Town’s progress towards achieving the implementation dates and measurable goals for each of the six Minimum Control Measures.

The Town of Manchester submitted the “Part B Registration” in September 2004. It included a Stormwater Management Plan prepared by HRP Associates, Inc. of Plainville. The Stormwater Management Plan identified appropriate Best Management Practices (BMP’s) associated with each of the six Minimum Control Measures. Specific measurable goals for each of the first five years of the permit period were identified. This report documents each of the BMP’s, the measurable goals and the status of each BMP as of December 31, 2007.

**BEST MANAGEMENT PRACTICES UPDATE**

**MCM #1 PUBLIC EDUCATION AND OUTREACH**

BMP #1 *Develop webpage to be hosted on Town’s website that contains useful links, calendar of events, brochures, etc.*

Measurable Goal

- Post electronic versions of relevant new educational materials
- Update website as necessary

Current Status

The Engineering Division and Public Works Department webpages are regularly updated and include pertinent stormwater management educational information for Town residents.

BMP #2 *Distribute education materials to the public through brochures, direct mailings and handouts at meetings.*

Measurable Goals

- Distribute brochures at neighborhood and public information meetings.
- Conduct presentation at “Government Academy” sessions.

Current Status

- EPA brochures have been made available at the public counter for Engineering Maps and Records and at Engineering Division sponsored events such as “Bike to Work” day.
- The Public Works Department gave informational presentations at the Town’s two “Government Academy” sessions in the spring and fall.

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- Emails on Manchester Matters sent out periodically reminding residents to keep catch basins clear of debris and not to dump substances into them.

BMP #3 *Develop educational program for elementary school aged children.*

Measurable Goals

Conduct presentations at two elementary schools.

Current Status

Not yet implemented.

**MCM #2 PUBLIC PARTICIPATION/INVOLVEMENT**

BMP #4 *Make the annual report available to the public and invite public comments..*

Measurable Goals

Post annual report on website and make available for viewing at the Engineering office.

Current Status

The annual report is currently posted on the Engineering Division's website and is available for viewing at the Engineering Maps and Records public counter.

BMP #5 *Implement a stormwater telephone hotline directed to the Town's Customer Service and Information Center.*

Measurable Goals

- Evaluate the effectiveness of the hotline/email systems.

Current Status

It was determined that a separate telephone hotline is not feasible at this time. The Town will promote the use of its website and email system as well as publishing the main line for the Public Works Department and Customer Service Department as means for the public to communicate any stormwater quality issues.

BMP #6 *Conduct river/pond clean up days.*

Measurable Goals

Conduct one clean-up day on the Hockanum River

Current Status

A Hockanum River cleanup day organized by the Hockanum River Linear Park Committee was held in April 2007.

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**MCM #3 ILLICIT DISCHARGE DETECTION AND ELIMINATION**

**BMP #7** *Revise Town’s Sewer Use Ordinance to give Manchester a regulatory mechanism to prohibit certain discharges to the Town-owned storm drainage system and surface waters within the Town.*

Measurable Goals

Modify stormwater ordinances.

Current Status

Not yet implemented.

**BMP #8** *The Town will continue to update, verify and amend the storm system component of the Town’s GIS mapping as necessary.*

Measurable Goals

Update GIS mapping with new storm drainage systems and verify with as-built plans where available.

Current Status

Storm drainage systems from both private development and public works projects are regularly updated in the Town’s GIS system from as-built data submitted for private development projects or from field survey work performed for various projects. The GIS system is available to the public.

**BMP #9** *Conduct dry weather inspections along local waterways to identify potential illicit discharges.*

Measurable Goals

- Inspect Hop Brook between State Route 502 and State Route 83.

Current Status

The Town has not inspected this portion of Hop Brook yet. The Town, through its on-call CCTV inspection contractor, cleaned and video inspected approximately 11,000 linear feet of existing storm drainage pipes at various locations throughout Town.

**MCM #4 CONSTRUCTION SITE RUNOFF CONTROL**

**BMP #10** *Regulate and enforce program to require developers and contractors to utilize Best Management Practices during construction.*

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Measurable Goal

- Continue to review Erosion and Sedimentation Control plans already required on sites disturbing 0.5 acres or more.
- Continue to inspect/enforce erosion and sedimentation control measures on construction sites.

Current Status

The Town Engineering and Planning staff continues to review all site development plans to verify that Best Management Practices are utilized and that all measures area in accordance with Town standards and the 2002 edition of Connecticut's *Guidelines for Soil Erosion & Sediment Control*.

The Town's construction inspectors and Zoning Enforcement Officer continue to inspect all construction sites for proper maintenance of E&S controls.

BMP #11 *Modify land use regulations as required to comply with General Permit.*

Measurable Goal

Inspect construction sites once per month.

Current Status

Construction sites continue to get inspected on at least a weekly basis by construction inspectors. The Town's Zoning Enforcement Officer also makes periodic inspections of construction sites to assure compliance with approved erosion and sedimentation control plans.

**MCM #5 POST CONSTRUCTION RUNOFF CONTROL**

BMP #12 *Establish long term maintenance plan for storm drainage system.*

Measurable Goal

Develop priority listing of structures requiring maintenance.

Current Status

Using the existing storm drainage system data from the GIS system, the Town developed a database of all storm drainage system features along with the respective date the structure was installed. This was initially developed for GASB-34 reporting. This database is being used as a tool in prioritizing long term capital improvement projects on storm drainage systems.

**MCM #6 POLLUTION PREVENTION/GOOD HOUSEKEEPING**

BMP #13 *Train municipal field service employees to use Best Management Practices.*

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Measurable Goal

Send selected engineering and planning & zoning staff to outside professional development training on erosion and sedimentation control compliance.

Current Status

Construction inspectors attended erosion and sedimentation control training through the UCONN T2 program. Engineers and inspectors watched an APWA webcast on erosion and sedimentation control for construction projects.

BMP #14 *Implement and Employ a Townwide Street Sweeping Plan.*

Measurable Goal

- Sweep the streets contained in the Urbanized Areas as soon as possible after snowmelt.
- Identify areas that may required additional sweeping.

Current Status

The Public Works Department completed one full sweeping of the entire town. In addition, other critical areas previously identified as requiring more than one sweeping we completed a second time.

BMP #15 *Implement and employ a Townwide Catch Basin Cleaning Program.*

Measurable Goal

Prioritize catch basin cleaning based on known sediment loading areas. Identify need for and feasibility of more frequent cleaning.

Current Status

The Town has eliminated the use of sand in its snow removal and ice control operations. This has significantly reduced the amount of sand removed from catch basins. This has allowed the Town to increase the frequency in which catch basins are cleaned. Previously identified priority areas such as sag points were completed first.

The Town also cleaned and inspected approximately 11,000 linear feet of storm drainage using it's on-call culvert cleaning and video inspection contractor.

BMP #16 *Conduct study to identify stormwater system failures and improvement requirements and to schedule long term capital improvements.*

Measurable Goal

- Hire outside consultant to model existing storm sewer system
- Use the model to evaluate capital improvement planning, system additions and repairs

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Current Status

The Town hired Tighe & Bond to conduct a hydraulic model and study of the Dry Brook Culvert watershed, a large watershed in the center of Manchester. The consultant used the Town's GIS storm drainage layer to build a computer model of the watershed, which they eventually used to create a prioritized list of capital improvements.

**STORMWATER MONITORING**

No stormwater monitoring was completed this year.

**CONCLUSION**

For the most part, the Town of Manchester is on schedule in progressing towards implementation of the BMP's identified in the Stormwater Management Plan. The Town intends to designate the resources needed to continue its progress throughout the upcoming year. For any questions regarding this report, please call me at 647-3158.

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Date: \_\_\_\_\_