

APR 30 2009

# NPDES PII Small MS4 General Permit Annual Report

**Municipality/Organization: Town of Fairhaven**

**EPA NPDES Permit Number: MAR041112**

**MaDEP Transmittal Number: W-035717**

**Annual Report Number: 6**

**& Reporting Period: May 1, 2009**

## Part I. General Information

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**Title: Highway Superintendent**

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### **Certification:**

I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

**Signature:**

**Printed Name: John M. Charbonneau**

**Title: Highway Superintendent**

**Date: May 1, 2009**

The following BMP's were instituted in order to comply with the NPDES Phase II

BMP 1-1/1-2: Measurable Goal – Develop article or Brochure and make available at Town Public Buildings with assistance from Buzzards Bay Project.

Brochure's outlining the importance of Stormwater Management is available at the Board of Public Works, Town Hall, Library, and Post Office. (Ongoing)

BMP 1-3: Measurable Goal – Display Stormwater message on the local cable television station.

A Stormwater and water saving tip of the week is being displayed on the local cable television station. (Ongoing)

BMP 1-4: Measurable Goal – Discuss stormwater issues at Board of Public Works meetings.

Stormwater issues are regular topics at Board of Public Works meetings and will be ongoing.

BMP 1-5: Measurable Goal – Educate dog owners about picking up dog waste by developing and distributing a fact sheet.

A pet waste fact sheet was developed and is distributed to pet owners when dog licenses are issued. (Ongoing)

BMP 1-6: Measurable Goal – Contact the School Department to schedule a presentation regarding the importance of Stormwater.

A video entitled “After the Storm” which was co-produced by the EPA and the weather channel, was shown to the Science Class in the Hastings Middle School in May 2008.

BMP 1-7: Sign postings in public water supply areas. Measurable Goal – number of signs installed and inspected.

All sign installations have been completed and are inspected annually.

BMP 1-8: Measurable Goal – Household hazardous waste day held.

Household Hazardous Waste day was held on September 13, 2008.

BMP 1-9: Household paint drop off facility. Measurable Goal – Notify residents of days of operation and advertise on local cable television. Paint cans were collected at the Hazardous Waste day due to the fact the paint shed was not funded at Town Meeting for 2008-2009.

Town Meeting did not support the running of the Paint Shed program this fiscal year. If Town Meeting supports Hazardous Waste day for 2009-2010 then, residents will be notified and the paint can be collected at that time.

BMP 1-10: Develop Ad Hoc Committee, Measurable Goal – number of meetings. (Ongoing)

BMP 2-1: Comply with state public notification guidelines at MGL Chapter 39 Section 23b. Measurable Goal – Notices as currently announced.

Meeting of every Town Board/Commission regarding Stormwater and other issues are advertised in the local paper and on local cable television.

BMP 2-2: Stencil Storm Drains. Measurable Goal – Number of basins stenciled.

All basins were stenciled in the summer of 2008 using summer help (college student).

BMP 2-3: Annual Beach Cleanup Day. Measurable Goal – Beach cleanup day held.

Numerous beach cleanup days were held throughout 2008 and the Spring 2009 with the Fairhaven High School Environmental Club and the Trial Court Community Service Program. There were several shoreline cleanups by Nye’s Oil Company employees at their Howland Road complex. In all cleanups, the Highway Department supplied and picked up dumpsters, and provided manpower for trash bag pickup.

BMP 3-1: Develop illicit discharge ordinance. Measurable Goal – Develop ordinance and seek Town Meeting approval. (Ongoing)

BMP 3-2: Conduct dry weather outfall screening. Measurable Goal – Continue sampling outfalls.

Dry weather outfall screening will resume in the summer of 2009.

BMP 3-3: Map the stormwater collection system. Measurable Goal – Complete map of all outfalls and catch basins.

The mapping of the Stormwater collection system is now completed. All catch basins and outfalls have been mapped and drainage pipes (sizes and types), have been mapped. We completed a GIS based mapping of the town drainage system which is approximately 99% complete along with photographs of all known drainage outfalls.

We have hired interns to obtain rim elevations of manholes and drainage piping inverts to develop a stormwater model of the drainage system.

BMP 3-4: Develop and implement plan to identify non stormwater discharges to the MS4. Measurable Goal – Number of illicit connections found and removed.

Through our catch basin cleaning program we have not identified any additional illicit connections in 2008.

BMP 4-1: Amend existing Town Subdivision/Zoning regulations to require an erosion and sediment control plan for all construction sites greater than 1 acre. Measurable Goal – Amendment developed.

The Town has adopted the amended Subdivision/Zoning regulations.

BMP 4-3: Consideration of public input. Measurable Goal – Per Massachusetts General Law notification requirements, hold public hearings with opportunity for the general public as well as abutters to review and comment. (Ongoing)

BMP 5-1: Determine necessity of Stormwater BMP reference manual. Measurable Goal – Complete review of existing Stormwater regulations and determine necessity of Stormwater reference manual; select BMP reference manual.

The Town is using the using the Massachusetts Stormwater Handbook as a reference guide.

BMP 5-2: Ensure long term maintenance of town playing fields and structural BMP's. Measurable Goal – Continue maintenance of town playing fields and structural BMP's.

The maintenance of Town playing fields is an ongoing practice. Developers are required to submit for review a description of all new BMP's along with a 20 year maintenance fee of the proposed project.

BMP 5-3: Evaluate existing structural BMP's for efficiency. Measurable Goal – Create BMP inventory.

An inventory of Structural BMP's complete. A maintenance plan is ongoing as catch basins are repaired as needed, and drainage swales/ditches are cleaned annually. Twenty- two catch basins were rebuilt, eighteen catch basins were repaired and approximately 1.2 miles of drainage piping were jet rodded. The Bristol County Mosquito Control performed drainage ditch maintenance at the following locations:

Egypt Lane - 2230 LF, 770 Scoticut Neck Road – 75LF, Silver Shell Beach Drive – 70LF, East end of Laura Lane - 190LF, and 79 Grandview Avenue – 934LF

The Town was awarded a 319 Grant which will include the construction of one Rain Garden, two Stormwater Treatment units, three filtered catch basins, two Bio Retention Swales, four tree box filters, and two Stormwater Treatment Units. Installation of these BMP's will be done in the Summer of 2009.

BMP 5-4: Review site plans for stormwater impacts. Measurable Goal – number of site plans reviewed. (Ongoing)

BMP 6-1: Identify sensitive receptors within the Town. Measurable Goal – List of Sensitive receptors developed, staff notified.

A list of seven sensitive receptors has been identified and employees have been notified to report any unusual circumstances or obvious signs of pollution.

1. Town Beach
2. Nasketucket Bay
3. Nasketucket River Basin
4. Acushnet River
5. Buzzards Bay
6. Winsegansett Salt Marsh
7. Tidal Pond off Potter Street

BMP 6-2: Street Sweeping. Measurable Goal – Percent of streets swept annually, volume of residuals collected.

The Town roads are swept in the spring and fall, (more often if necessary). Records are kept of streets swept and volume of residuals collected. Total amount collected for the year 2008 was 1269 cubic yards.

BMP 6-3: Roadway De-icing. Measurable Goal – Alternative deicers evaluated; sand/deicer compound mixture modified if necessary; calibration records maintained; record amount of deicers used.

The deicers and compound mixtures the Town currently uses are proving to be beneficial. The town uses Ice Ban for on board pre-wetting of sand salt mixture on the four sanders. Ice Ban is a blend of brewer's condensed soluble, a very powerful naturally occurring, environmentally friendly de-icing agent. Calibration of spreaders is done each time the sanding crew gets called out. Calibration records and amounts of deicers are recorded each year.

BMP 6-4: Snow Disposal. Measurable Goal – List of snow disposal sites selected.

Four disposal locations have been designated (if necessary), for snow:

The Standard-Times field off Bridge Street, the Landfill off Bridge Street, the Town Recycle area at the end of Arsene Street and at the Long Road facility.

BMP 6-5: Minimize impacts from hazardous materials associated with vehicle maintenance. Measurable Goal – Volume of material removed from the catch basin located within the containment area.

The containment area catch basin was cleaned once this year, and the residuals were delivered to the Crapo Hill Landfill in New Bedford.

BMP 6-6: Minimize impacts from hazardous materials associated with vehicle maintenance. Measurable Goal – Amount of hazardous materials used: amount of waste materials hauled from our garage by licensed hazardous waste hauler.

All waste oil and antifreeze continues to be removed by a licensed hauler. Inventories of materials removed are recorded and filed. All batteries are brought to A.W. Martin for proper disposal. Items containing Freon are removed by a licensed disposal company (Excel Recycling).

BMP 6-7: Storm Drain maintenance. Measurable Goal – Number of catch basins cleaned annually; volume of residuals collected annually; number of storm drains jet rodded annually.

A total of 1815 catch basins are cleaned annually and volumes collected are recorded and filed. An ongoing list of drainage pipes that were jet rodded in the past year was maintained on file at the Highway Department.

BMP 6-8: Tree planting and maintenance. Measurable Goal – Number of trees planted per year.

The Tree Department along with help from the Highway Department, plant between 40-50 trees annually.

BMP 6-9: Illegal dumping control. Measurable Goal – Number of signs posted; number of sites cleaned up.

Nine problem dumping areas have been identified and posted. These areas are continually monitored and cleaned as necessary. The following signs have been posted during the first five year permit.

1. Lambeth Park at the cul de sac
2. The north and south end of Fir Street (2)
3. Little Bay Conservation Area
4. Monodach Avenue at Winsegansett Avenue
5. Intersection of Balsam Street and Littleneck Road
6. Weeden Road opposite Dartmouth Street
7. Edgewater Street near boat ramp
8. Shaw/Gellette Road near the farms
9. Long Road @ Utility easement

BMP 6-10: Spill prevention and response plan for the Board of Public Works. Measurable Goal – Train employees.

A Spill Prevention/ Response Plan were developed four years ago and are updated annually as necessary. The employees have been instructed as to the locations of the spill kit and emergency phone numbers are posted near the garage telephone.

BMP 6-11: Residual materials disposal. Measurable Goal – Continue to haul to Crapo Hill Landfill in New Bedford.

All street sweepings and catch basin cleaning residuals were delivered to the Crapo Hill Landfill in New Bedford for disposal.

The Town of Fairhaven is committed to preserving clean water and a safe environment for all citizens. We hope the following BMP practices go a long way into achieving the long term goals of a cleaner and safer living space.

Respectfully Submitted,



John M. Charbonneau  
Fairhaven Highway Superintendent