

# NPDES PII Small MS4 General Permit Annual Report

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**Municipality/Organization: Town of Fairhaven**

**EPA NPDES Permit Number: MAR041112**

**MaDEP Transmittal Number: W-035717**

**Annual Report Number: 9**

**& Reporting Period: May 1, 2012**

## 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, 2012**

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 Storm water tip 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. There are seven mutt mitt dispensers located at parks and along the bike path for pick up of pet waste. These locations are listed on the pet waste fact sheet.

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

A video entitled “ Reduce Runoff – Slow it Down, Spread it out, Soak it in” which was shown to the Science Class in the Hastings Middle School in May 2012.

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 August 7, 2010. Town meeting did not support Hazardous Waste Day in 2011. If Town meeting supports Hazardous Waste Day for 2012 it will be held in August.

BMP 1-9: Household paint drop off facility. Measurable Goal – Notify residents of days of operation and advertise on local cable television.

Town Meeting did not support the running of the Paint Shed program this fiscal year. If Town Meeting supports Hazardous Waste day for 2012-2013 then, residents will be notified and the paint can be collected at that time. Paint was accepted at the last Hazardous Waste Day held on August 11, 2010.

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 2011 using summer help (college student).

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

Several cleanup days were held throughout 2011 and the Spring 2012 with 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 3-3: 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.

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 2011.

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 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. Seventeen catch basins were rebuilt, eight catch basins were repaired and approximately two miles of drainage piping were jet rodded. The Bristol County Mosquito Control performed drainage ditch maintenance at the following locations:

Cleaned with excavator: Nancy Street ditch – 650 Linear Feet, Shaws Cove ditch – 20 Linear Feet, Ocean Avenue @ the Shore – 60 Linear Feet, Silver Shell Beach ditch – 220 Linear Feet, Reservation Road ditch – 165 Linear Feet, 770 Sconticut Neck Road – 75 Linear Feet, End of Fir Street ditch – 400 Linear Feet.

The Town installed 11 tree box filtration units in North Fairhaven as part of a 319 Grant. The 319 Grant will also include the construction of one rain garden, and one storm water treatment unit. Phase 2 of the 319 grant will also begin in the summer of 2012.

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 2011 was 2407 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 magnesium chloride for on board pre-wetting of sand salt mixture on the four sanders. Magnesium chloride is an 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 1801 catch basins were cleaned 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. Fines for littering were increased from \$ 50.00 to \$ 500.00.

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

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

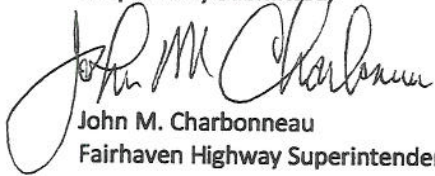
A Spill Prevention/ Response Plan were developed four years ago and are updated annually as necessary. The employees have been instructed as to the locations of the spill kit and emergency phone numbers are posted near the garage telephone.

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