Pr

NPDES PII Small MS4 General Permit Annual Report

Municipality/Organization: Town of Fairhaven

EPA NPDES Permit Number: MAR041112

MaDEP Transmittal Number: W- 035717

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Annual Report Number
& Reporting Period: No. 3: April 10, 2006

Part I. General Information

Contact Person: **John Charbonneau** 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 or 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: John Charbonneau

Printed Name: **John Charbonneau**

Title: **Highway Superintendent**

Date: April 10, 2006

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

Stormwater Management Plan

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 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 reguarding 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 Middle School in May, 2005.

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

Water Supply Area signs were installed on Mill Road just north of Shady Drive and on Route 6 at the Naskatucket River.

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

Household Hazardous Waste day is scheduled to be held this year at the Highway Department yard pending Town Meeting approval.

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, 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.

Meetings 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 second permit year. They will again be stenciled in the fourth permit year utilizing the help of the local Boy Scouts.

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

Numerous Beach Cleanup days were held throughout 2005 with the Coalition for Buzzards Bay. Every third Wednesday of the month a Beach Cleanup was performed from May through October. There was also a shoreline cleanup 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 – Prioritize and sample 14 outfall locations.

Dry weather outfall screening was performed on August 17, 2005 at fourteen locations. Of the fourteen outfalls, eleven were found to have no flow. Three of the outfall locations did have flow and were sampled and tested for PH and Fecal count. The PH of the three samples ranged between 6.4 and 6.8. The Fecal count on two locations ranged from 12c/100ml and 30c/100ml. One sample at the outfall near the Pease Park boat ramp came back with a result to numerous to count. This location will be re-sampled during the summer of 2006 to verify the results.

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

The mapping of the Stormwater collection system is now substantially completed. All catch basins and outfalls have been mapped and drainage pipes (sizes and types), have been mapped. The format is in Photoshop and will be converted / imported to Auto Cad.

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

Several illicit connections into Catch Basins were found during our annual Catch Basin cleaning program after training Highway Department personnel on illicit connection detection.

1. 29 Hacker Street, laundry discharge pipe was discovered tied into storm water catch basin. Homeowner redirected pipe into sewer system.
2. 29 Brae Road, laundry discharge pipe was discovered tied into Stormwater catch basin. Homeowner redirected pipe into sewer system.
3. 159 Wayne Street, laundry discharge pipe was discovered tied into Stormwater catch basin. Homeowner redirected pipe into sewer system.

In all instances the Board of Health was notified of the illegal tie–ins and, in turn, notified the homeowner by mail.

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 yet to adopt 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 Storm Water BMP reference manual. Measurable Goal – Complete review of existing Storm Water regulations and determine necessity of Storm Water reference manual; select BMP reference manual.

Ongoing

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 on - going 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 on – going as catch basins are repaired as needed, and drainage swales / ditches are cleaned annually.

BMP 5-4 Review site plans for storm water impacts. Measurable Goal – number of site plans reviewed.

On going

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. Naskatucket Bay
3. Naskatucket River Basin
4. Acushnet River
5. Buzzards Bay
6. Winsagansett 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 the fall, (more often if necessary). Records are kept of streets swept and volume of residuals collected.

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. For the first time this winter, the Town switched from calcium chloride to Ice Ban for on board pre-wetting of sand salt mixture on the three sanders. Ice Ban is a blend of brewer's condensed solubles, 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.

Three disposal locations have been designated (if necessary), for snow:
The Standard Times field off of Bridge Street, the Landfill off of Bridge Street, and the Town Recycle area at the end of Arsene Street.

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 anti freeze continues to be removed by a licensed hauler. Inventories of materials removed are recorded and filed.

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 1776 catch basins are cleaned annually and volumes collected and 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 plants between 40 and 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 these areas are continually monitored and cleaned as necessary. A list is on file at the Highway Department. One "No Dumping" sign was installed at the Lambeth Park cul de sac.

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

A Spill Prevention and Response Plan was developed four years ago and is updated annually as necessary. The employees have been instructed as to the location 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 are now delivered to the Crapo Hill Landfill in New Bedford.

Also noteworthy in 2005, two Stormceptor units were installed on West Island at the outfalls on Cherrystone Street and on Fisherman Road. The installations and materials were funded under a Department of Conservation and Recreation grant.

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 Charbonneau

John Charbonneau
Fairhaven Highway Superintendent