

**Municipality/Organization:** Town of Holliston

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**EPA NPDES Permit Number:** MAR041122

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**MaDEP Transmittal Number:** W-

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**Annual Report Number  
& Reporting Period:** No. 2: March 06-March 07

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## NPDES PII Small MS4 General Permit Annual Report

### Part I. General Information

**Contact Person:** Paul D. Le Beau **Title:** Town Administrator

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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:** 

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**Printed Name:** Paul D. Le Beau

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**Title:** Town Administrator

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**Date:** 9/24/07

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## **Part II. Self-Assessment**

The Town of Holliston established a stormwater management team comprised of representatives in the Highway Department, Water Department, Planning Board, Conservation Commission, Board of Health and Selectmen's office. We have met in order to discuss progress made on the program and establish new goals. In July after a series of public hearings, the Planning Board adopted stormwater regulations that will regulate all residential subdivisions (2 or more lots) as well as commercial site development (multi-family, commercial and industrial development). The Board of Health has rescinded their stormwater regulations as a result. Additional by-laws are anticipated. Over the past year, we have made a lot of progress in the areas of self and public education as well as improving the physical plants at town owned buildings. Plans were finalized for the reconstruction of the Police Station and installation of a stormwater management system there. We have completed a many of our original goals and continue to look towards ways of improving implementation of our plan.

**Part III. Summary of Minimum Control Measures**

**1. Public Education and Outreach**

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 4</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Permit Year 5</b>
1A	Establish a classroom education program.	ConCom, Water		Continue Program. Added cable access TV educational programming (Safety and Environment).	Continue Program. Continue cable access TV educational programming.
1B	Distribute brochures and fact sheets to residents and businesses	ConCom, Selectmen		Continue distribution at meetings and via town mailings and at ‘Celebrate Holliston’ annual community event.	Update website as appropriate.
1C	Publish articles on stormwater protection in local papers.	ConCom/ Planning Board	In progress	The Planning Board held public hearings on stormwater regulation amendments.	Legal notices and local press expected for erosion control ordinance and LID by-law (late ‘07)
1D	Develop stormwater section on town website	Selectmen	<a href="http://www.townofholliston.us">www.townofholliston.us</a>	Town Website has an established stormwater management area. It can be accessed by going to <a href="http://www.townofholliston.us">www.townofholliston.us</a>	Update website as necessary.
1E	Create stormwater educational display	Water Department/ BOH	In progress	Ongoing. Posters placed in land use section of Town Hall.	

**1a. Additions - none**

**2. Public Involvement and Participation**

<b>BMP ID #</b>	<b>BMP Description</b>	<b>Responsible Dept./Person Name</b>	<b>Measurable Goal(s)</b>	<b>Progress on Goal(s) – Permit Year 4</b> (Reliance on non-municipal partners indicated, if any)	<b>Planned Activities – Permit Year 5</b>
2A	Establish a stormwater hotline	ConCom	Record number of calls	Covanta Energy has established its own Holliston Transfer Station hotline.	
2B	Distribute stormwater educational material during public meetings	Selectmen/ Planning Board	Copies of materials attached.	Stormwater information available on town website.	Update website as necessary.

2C	Conduct river and pond cleanups	ConCom	Associates undertaking cleanups of all waterways in the town	The Lake Winthrop Watershed Association filed an NOI to lower the lake to clean weeds. The project is still under review due to the discovery of endangered mussels.	The Conservation Commission is investigating EPA funding for long-term solution to Lake Winthrop water quality issues.
2D	Mark storm drains	Highway	50% of drains marked by year 5	Completed this year.	Will inspect stencils for clarity and re-paint as necessary
2E	Native Tree/shrub planting program.	ConCom	Tree replacement	The Commission requires that native trees be used in wetland replication or remediation. The Conservation Associates continue to plant native species on conservation lands.	

**2a. Additions** – The Town will evaluate the feasibility of installing “No dumping” signs in areas prone to bulky item dumping. *Dog Animal Control*  
 Officers have been active in issuing non-criminal disposition fines with regard to dog waste and education regarding same (Town by-law provisions adopted in May 2005).

### 3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
3A	Develop primary storm drain system map	Highway	100% of system mapped on GIS	Ongoing. As-builts of new residential subdivisions being solicited.	Continue to update as needed.
3B	Complete mapping of stormwater outfalls	Highway	All outfalls mapped by Year 5.	Ongoing.	100% complete, part of 3B.
3C	Illicit discharge prohibition bylaw	Planning Board, Board of Health		Currently under the jurisdiction of the Holliston Board of Health regulations.	Investigate strengthening regulations.
3D	Develop illicit discharge detection and elimination plan	Highway, Board of Health	Outfalls examined by year 5. Sources traced and documented	Will start inspections during dry season. Concentrating in priority areas.	On-going, yearly inspections.

**3a. Additions.** Town trash contractors will continue to provide curbside pickup of leaves and yard wastes (ongoing annual). Information made available on local cable access television. *web site*

3E	Hold Annual Hazardous Waste Day (HHHW).	Selectmen	Annual event planned	We held a HHHW day last fall and part of a multi-town consortium.	Ongoing annual participation.
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3G	Evaluate stormwater discharge to rare or endangered species habitats	ConCom	Locating habitats is an on-going process	MNHESP estimated habitat map shows certified vernal pools and estimated polygons. ConCom Bylaws and regs were created to protect end species habitat.	Continue to participate and partner with Massachusetts Natural Heritage Program BioMap Project, especially in site development review.
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#### 4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
4A	Develop erosion control bylaw	Planning Board, Building Inspector	Bylaw at Town Meeting by end of year 2.	Conservation Commission rules and regulations adopted 2005. Planning Board regulations strengthened 2007.	Goal to address individual site development in 07/08.
4B	Establish a procedure for the receipt of information submitted by public	ConCom	Record number of phone calls and complaints	Information regarding wetlands/regulations are currently on the ConCom website with links to other resources.	Interdepartmental referrals of land use issues for follow-up (BOH, ConCom, Planning Board and Building)
4C	Develop guidance for erosion controls	ConCom/ Planning Board	Inspection checklist and document inspections	Requirements are cited in Orders of Conditions for ConCom and decisions by Planning Board. Erosion controls are inspected by Agent(s) after installation.	Look to strengthen guidelines within LID by-law.

**4a. Additions** – Consider by-law provisions limiting development on steep slopes. Review 100% of plans and SWPPP for construction projects 1-5 acres. Goal: Inspect 100% of projects within the regulated area that discharge to the MS4. Define procedures for issuing and tracking permits.

#### 5. Post-Construction Stormwater Management in New Development and Redevelopment

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
5A	Develop stormwater management control bylaw	Planning Board, Building Inspector	Bylaw at Town meeting by end of year 2.	Regulations currently under the jurisdiction of the Planning Board (Adopted June 2007) and ConCom	Investigate strengthening provisions through LID by-law. Waiting for MA DEP amendments to stormwater policy handbook.

▪ Post-Development Stormwater Management	Planning Board regs for subdiv.	X		X
Accompanying Regulation Status (indicate with "X")				
▪ Illicit Discharge Detection & Elimination	BOH regs for subdiv.	X		X
▪ Erosion & Sediment Control	BOH regs for subdiv.	X		X
▪ Post-Development Stormwater Management	BOH	X		X

### Mapping and Illicit Discharges

Outfall mapping complete	(%)	100
Estimated or actual number of outfalls	(#)	300
System-Wide mapping complete	(%)	100
Mapping method(s)		
▪ Paper/Mylar	(%)	
▪ CADD	(%)	100
▪ GIS	(%)	100
Outfalls inspected/screened	(# or %)	100%
Illicit discharges identified	(#)	0
Illicit connections removed	(#) (est. gpd)	0
% of population on sewer	(%)	0
% of population on septic systems	(%)	100

### Construction

Number of construction starts (>1-acre)	(#)	35
Estimated percentage of construction starts adequately regulated for erosion and sediment control	(%)	75%
Site inspections completed	(# or %)	100%
Tickets/Stop work orders issued	(# or %)	0
Fines collected	(# and \$)	
Complaints/concerns received from public	(#)	

### Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	50%
Site inspections completed	(# or %)	100%
Estimated volume of stormwater recharged	(gpy)	

### Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	(times/yr)	1/yr
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	1/yr
Total number of structures cleaned	(#)	2,600
Storm drain cleaned	(LF or mi.)	89 miles
Qty. of screenings/debris removed from storm sewer infrastructure	(lbs. or tons)	245 tons
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		Compost recycling
Cost of screenings disposal – Compost Screening	(\$)	\$7,400
Grinding brush and stumps -3,400 cubic yards	(\$)	\$4,000
Average frequency of street sweeping (non-commercial/non-arterial streets)	(times/yr)	1/yr
Average frequency of street sweeping (commercial/arterial or other critical streets)	(times/yr)	1/yr
Qty. of sand/debris collected by sweeping	(lbs. or tons)	605 tons
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	(location)	Recycling Ctr.
Cost of sweepings disposal	(\$)	0
Vacuum street sweepers purchased/leased	(#)	0 (1 - mechanical)
Vacuum street sweepers specified in contracts	(y/n)	No

Reduction in application on public land of: (“N/A” = never used; “100%” = elimination)		
▪ Fertilizers	ALL ORGANIC MATERIAL USED	(lbs. or %) 100 %
▪ Herbicides		(lbs. or %) 100 %
▪ Pesticides		(lbs. or %) 100 %


Anti-/De-Icing products and ratios	NaCl, CaCl <sub>2</sub> , MgCl <sub>2</sub> CMA Kac, KCl, Sand	State bid specs.
Pre-wetting techniques utilized	(y/n)	No
Manual control spreaders used	(y/n)	Yes
Automatic or Zero-velocity spreaders used	(y/n)	No
Estimated net reduction in typical year salt application	(lbs. or %)	15%
Salt pile(s) covered in storage shed(s)	(y/n)	Yes
Storage shed(s) in design or under construction	(y/n)	No