

051

Red.  
5/11/05 ✓

**Municipality/Organization:** Town of Holliston

**EPA NPDES Permit Number:** MAR041122

**MaDEP Transmittal Number:** W-

**Annual Report Number  
& Reporting Period:** No. 1: March 04-March 05

## NPDES PII Small MS4 General Permit Annual Report

### Part I. General Information

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

**Telephone #:** 508-429-0608 **Email:** lebeaup@holliston.k12.ma.us

#### 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:** 

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

**Title:** Town Administrator

**Date:** May 6, 2005

## **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. 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.

### Part III. Summary of Minimum Control Measures

#### 1. Public Education and Outreach

| BMP ID # | BMP Description                                                  | Responsible Dept./Person Name | Measurable Goal(s)                                                 | Progress on Goal(s) – Permit Year 2<br>(Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 3                                                                                                                                                         |
|----------|------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1A       | Establish a classroom education program.                         | ConCom, Water                 |                                                                    | Done in Permit year 1                                                                         | Continue program                                                                                                                                                                           |
| 1B       | Distribute brochures and fact sheets to residents and businesses | ConCom, Selectmen             |                                                                    | Done in Permit year 1                                                                         | Continue distribution at meetings and via town mailings.                                                                                                                                   |
| 1C       | Publish articles on stormwater protection in local papers.       | ConCom                        | In progress                                                        | Conservation Associates are researching topics for future articles.                           |                                                                                                                                                                                            |
| 1D       | Develop stormwater section on town website                       | Selectmen                     | <a href="http://www.townofholliston.us">www.townofholliston.us</a> | Done in Permit year 1                                                                         | 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              | In progress                                                        |                                                                                               |                                                                                                                                                                                            |

#### 1a. Additions - none

#### 2. Public Involvement and Participation

| BMP ID # | BMP Description                | Responsible Dept./Person Name | Measurable Goal(s)     | Progress on Goal(s) – Permit Year 2<br>(Reliance on non-municipal partners indicated, if any)                               | Planned Activities – Permit Year 3 |
|----------|--------------------------------|-------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| 2A       | Establish a stormwater hotline | ConCom                        | Record number of calls | A dedicated line has not been established but the ConCom receives emails and phone calls if ther appears to be a violation. |                                    |

|    |                                                                   |           |                                                              |                                                                                                                                                                      |                                   |
|----|-------------------------------------------------------------------|-----------|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| 2B | Distribute stormwater educational material during public meetings | Selectmen | Copies of materials attached.                                | Stormwater information available on town wdfxxxxxxzebsite.                                                                                                           |                                   |
| 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. |                                   |
| 2D | Mark storm drains                                                 | Highway   | 50% of drains marked by year 5                               | The Highway Department has purchased a stencil and critical areas will be marked this summer.                                                                        | Continue markings until complete. |
| 2E | Native Tree/shrub planting program.                               | ConCom    | Tree replacement                                             | The Commission requires that native trees be used in wetland replication or remediation. The Associates have also planted in the past, liberty elms.                 |                                   |

## 2a. Additions - none

## 3. Illicit Discharge Detection and Elimination

| BMP ID # | BMP Description                                          | Responsible Dept./Person Name   | Measurable Goal(s)                                         | Progress on Goal(s) – Permit Year 2<br>(Reliance on non-municipal partners indicated, if any)                | Planned Activities – Permit Year 3 |
|----------|----------------------------------------------------------|---------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------|
| 3A       | Develop primary storm drain system map                   | Highway                         | 70% of system mapped on GIS                                | The Town has purchased a devise to enable mapping of storm drains and outfalls. This will begin this summer. | Ongoing.                           |
| 3B       | Complete mapping of stormwater outfalls                  | Highway                         | All outfalls mapped by Year 5.                             | This project is in process and will be completed in conjunction with 3A.                                     | Ongoing.                           |
| 3C       | Illicit discharge prohibition bylaw                      | Planning Board, Board of Health |                                                            | Currently under the jurisdiction of the Holliston Board of Health 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.                                   |                                    |

## 3a. Additions

|    |                                                                      |           |                                          |                                                                                                                                                       |  |
|----|----------------------------------------------------------------------|-----------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 3E | Hold Annual Hazardous Waste Day.                                     | Selectmen | Annual event planned                     | We held a HHHW day last fall and part of a multi-town consortium.                                                                                     |  |
| 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. |  |

#### 4. Construction Site Stormwater Runoff Control

| BMP ID # | BMP Description                                                          | Responsible Dept./Person Name             | Measurable Goal(s)                            | Progress on Goal(s) – Permit Year 2<br>(Reliance on non-municipal partners indicated, if any)                                                                                    | Planned Activities – Permit Year 3 |
|----------|--------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| 4A       | Develop erosion control bylaw                                            | Planning Board, Building Inspector        | Bylaw at Town Meeting by end of year 2.       | Currently under the jurisdiction of the Board of Health regulations.                                                                                                             |                                    |
| 4B       | Establish a procedure for the receipt of information submitted by public | ConCom                                    | Record number of phone calls                  | Information regarding wetlands/regulations are currently on the ConCom website with links to other resources.                                                                    |                                    |
| 4C       | Develop guidance for erosion controls                                    | Planning Board, Highway, Building, ConCom | Inspection checklist and document inspections | Currently under the jurisdiction of the Board of Health regulations. Requirements are cited in Orders of Conditions. Erosion controls are inspected by Agent after installation. |                                    |

#### 4a. Additions - none

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

| <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 2</b><br>(Reliance on non-municipal partners indicated, if any) | <b>Planned Activities – Permit Year 3</b> |
|-----------------|---------------------------------------------|-----------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------------------|
| 5A              | Develop stormwater management control bylaw | Planning Board, Building Inspector                  | Bylaw at Town meeting by end of year 2.                          | Currently under the jurisdiction of the Board of Health.                                             |                                           |
| 5B              | Develop and implement inspection program    | Planning Board, Highway, ConCom, Building Inspector | Copies of maintenance reports, inspections completed and results | O&M Plans are required for detention basins and stormwater systems for developments.                 |                                           |
| 5C              | Develop BMP design standards                | Planning Board, Building Inspector                  | Improved bylaws as adopted                                       | Currently under the jurisdiction of the Board of Health.                                             |                                           |

**5a. Additions - none**

**6. Pollution Prevention and Good Housekeeping in Municipal Operations**

| <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 2</b><br>(Reliance on non-municipal partners indicated, if any)                                                                | <b>Planned Activities – Permit Year 3</b> |
|-----------------|---------------------------------------------------------------------|--------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| 6A              | Comply with DEP policy for vehicle washing at town owned facilities | Highway                              | Vehicle wash unit                   | The Highway Department has installed a vehicle wash point that incorporates a water recycling and filtration system. This facility is open to all town departments. |                                           |
| 6B              | Ensure compliance for floor drain systems                           | Highway                              | Modification of floor drain systems | All town buildings with floor drain discharges have been plugged and are no longer used.                                                                            |                                           |

|    |                                                                             |                 |                                         |                                                                                                                |                             |
|----|-----------------------------------------------------------------------------|-----------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------|
| 6C | Evaluate and implement stormwater BMP for police station parking lot runoff | Police, Highway |                                         | Police station being study for an expansion project and this will upgrade the facility to upgrade deficiencies |                             |
| 6D | Clean catch basins                                                          | Highway         | Clean basins                            | On going program. All basins cleaned annually.                                                                 | Continue practice in place. |
| 6E | Sweep streets                                                               | Highway         | Sweep Streets                           | On going program. All streets swept yearly and additionally as necessary.                                      | Continue practice in place. |
| 6F | Develop an inspection and maintenance plan                                  | Highway         | Records of inspections and maintenance. | Schedule posted at the Highway garage. Done routinely                                                          | Continue practice in place. |

#### 6a. Additions

|    |                                                 |         |  |                                                                      |  |
|----|-------------------------------------------------|---------|--|----------------------------------------------------------------------|--|
| 6I | Prevent stormwater contact with fueling station | Highway |  | Fuel blanket at the site and ongoing preventative measures in place. |  |
| 6J | Evaluate sediment loading to wetlands           | Highway |  | Corrected with new washdown system which has been installed.         |  |

#### 7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA) <<if applicable>>

| BMP ID # | BMP Description                                  | Responsible Dept./Person Name | Measurable Goal(s) | Progress on Goal(s) – Permit Year 2<br>(Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 3 |
|----------|--------------------------------------------------|-------------------------------|--------------------|-----------------------------------------------------------------------------------------------|------------------------------------|
| 7A       | Develop a water quality strategy for 303d waters | Highway, Selectmen            | Strategy developed | Still in progress. Not yet started.                                                           |                                    |
| 7B       | Implement BMPs from Water quality strategies     | Highway, Selectmen            |                    | Still in progress. Not yet started.                                                           |                                    |

#### 7a. Additions – none

## 7b. WLA Assessment

Through improvements at the Highway Department and with the addition of a new washdown unit all town vehicles are now washed at the Highway Department. This will decrease the waste load allocation on many wetland areas in town including ones adjacent to the Highway Department, Fire Station, Police Department, Water Department foundry and Golf Course. Additionally, the Water Department has removed the stored material behind the foundry eliminating the migration of silt into neighboring sensitive wetland areas.

### Part IV. Summary of Information Collected and Analyzed

### Part V. Program Outputs & Accomplishments (OPTIONAL)

#### Programmatic

|                                                |       |    |
|------------------------------------------------|-------|----|
| Stormwater management position created/staffed | (y/n) | No |
| Annual program budget/expenditures             | (\$)  | 0  |
|                                                |       |    |
|                                                |       |    |

#### Education, Involvement, and Training

|                                                                         |               |                                  |
|-------------------------------------------------------------------------|---------------|----------------------------------|
| Estimated number of residents reached by education program(s)           | (# or %)      | To be determined                 |
| Stormwater management committee established                             | (y/n)         | Yes                              |
| Stream teams established or supported                                   | (# or y/n)    |                                  |
| Shoreline clean-up participation or quantity of shoreline miles cleaned | (y/n or mi.)  | N/A                              |
| Household Hazardous Waste Collection Days                               |               |                                  |
| ▪ days sponsored                                                        | (#)1          | Plus participation in consortium |
| ▪ community participation                                               | (%)           | Varies                           |
| ▪ material collected                                                    | (tons or gal) | Varies                           |
| School curricula implemented                                            | (y/n)         | Yes                              |

|  |  |  |
|--|--|--|
|  |  |  |
|  |  |  |

## Legal/Regulatory

|                                                    | In Place<br>Prior to<br>Phase II | Under<br>Review | Drafted | Adopted |
|----------------------------------------------------|----------------------------------|-----------------|---------|---------|
| Regulatory Mechanism Status (indicate with "X")    |                                  |                 |         |         |
| ▪ Illicit Discharge Detection & Elimination        | BOH regs<br>for subdiv.          |                 |         |         |
| ▪ Erosion & Sediment Control                       | BOH regs<br>for subdiv.          |                 |         |         |
| ▪ Post-Development Stormwater Management           | BOH regs<br>for subdiv.          |                 |         |         |
| Accompanying Regulation Status (indicate with "X") |                                  |                 |         |         |
| ▪ Illicit Discharge Detection & Elimination        | BOH regs<br>for subdiv.          |                 |         |         |
| ▪ Erosion & Sediment Control                       | BOH regs<br>for subdiv.          |                 |         |         |
| ▪ Post-Development Stormwater Management           | BOH                              |                 |         |         |

## Mapping and Illicit Discharges

|                                        |                    |    |
|----------------------------------------|--------------------|----|
| Outfall mapping complete               | (%)                | 70 |
| Estimated or actual number of outfalls | (#)                | 25 |
| System-Wide mapping complete           | (%)                |    |
| Mapping method(s)                      |                    |    |
| ▪ Paper/Mylar                          | (%)                |    |
| ▪ CADD                                 | (%)                |    |
| ▪ GIS                                  | (%)                |    |
| Outfalls inspected/screened            | (# or %)           |    |
| Illicit discharges identified          | (#)                |    |
| Illicit connections removed            | (# )<br>(est. gpd) |    |

|                                   |     |     |
|-----------------------------------|-----|-----|
| % of population on sewer          | (%) | 0   |
| % of population on septic systems | (%) | 100 |
|                                   |     |     |
|                                   |     |     |

### Construction

|                                                                                                   |            |            |
|---------------------------------------------------------------------------------------------------|------------|------------|
| Number of construction starts (>1-acre)                                                           | (#)        | 20         |
| Estimated percentage of construction starts adequately regulated for erosion and sediment control | (%)        | 100 %      |
| Site inspections completed                                                                        | (# or %)   | 17         |
| Tickets/Stop work orders issued                                                                   | (# or %)   | 0          |
| Fines collected                                                                                   | (# and \$) | In process |
| Complaints/concerns received from public                                                          | (#)        | 0          |
|                                                                                                   |            |            |
|                                                                                                   |            |            |

### Post-Development Stormwater Management

|                                                                                                                          |          |  |
|--------------------------------------------------------------------------------------------------------------------------|----------|--|
| Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control | (%)      |  |
| Site inspections completed                                                                                               | (# or %) |  |
| 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.)    | N/A               |
| Qty. of screenings/debris removed from storm sewer infrastructure                              | (lbs. or tons) | 245               |
| Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.) |                | Compost recycling |

|                             |      |   |
|-----------------------------|------|---|
| Cost of screenings disposal | (\$) | 0 |
|                             |      |   |
|                             |      |   |

|                                                                                      |                |                |
|--------------------------------------------------------------------------------------|----------------|----------------|
| 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            |
| Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)                | (location)     | Recycling Ctr. |
| Cost of sweepings disposal                                                           | (\$)           | 0              |
| Vacuum street sweepers purchased/leased                                              | (#)            | 1              |
| 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<br>% CaCl <sub>2</sub><br>% MgCl <sub>2</sub><br>% CMA<br>% Kac<br>% KCl<br>% 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               |