

**Municipality/Organization:** City of Amesbury

**EPA NPDES Permit Number:** MAR041177

2005 MAY 3  
JUN 11 A 12: 23

**MaDEP Transmittal Number:** W-035560

**Annual Report Number  
& Reporting Period:**

**No. 1: March 03-March 04**

## **NPDES PII Small MS4 General Permit Annual Report**

### **Part I. General Information**

**Contact Person:** Robert Desmarais

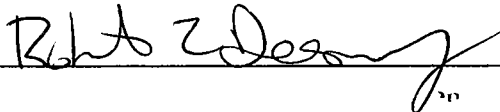
**Title:** Town Engineer

**Telephone #:** 978-388-8135

**Email:** rob@ci.amesbury.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:** Robert Desmarais

**Title:** Town Engineer

**Date:** 4/30/04

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

The town of Amesbury has completed the required self assessment. As part of the original NOI for Discharges from Small Municipal Separate Storm Sewer Systems (MS4s), the town proposed to map their stormwater drainage system and outfalls. Due to cuts in state and local funding, however, this work has been delayed until Permit Year 3-5. Once the drainage system is mapped, the Massachusetts Historical Commission, US Fish & Wildlife Service, and Natural Heritage and Endangered Species Program will be contacted to determine whether the eligibility criteria have been met for “listed species”, critical habitat, and the protection of historic properties. In the mean time, the town believes that they are in compliance with the other permit conditions.

In addition to the efforts outlined in Part III regarding compliance with minimum control measures, the town has received three grants which have aided in their stormwater efforts. The first grant is from the DEM for Lakes and Pond Watershed Demonstration, Restoration and Protection projects to be used for work in the vicinity of Lake Attitash. In cooperation with the Town of Merrimac, the Town of Amesbury has performed/will be performing a number of stormwater improvements. 90% of the catchbasins will be replaced with deep sump catchbasins. Five baffle tanks will be installed to trap sediment entering the lake. One Gunderboom will be installed on the Back River to trap nutrient laden sediment emanating from local farms. Beach erosion will be controlled at Camp Bauercrest and sampling of lake water will be conducted for pre- and post-construction conditions. The work under this first grant is scheduled to be completed in August 2004.

The second grant is from the EPA Ch. 319. The work under this grant involves installing deep sump catchbasins and three baffle tanks along Lake Shore Drive as well as the repair/stabilization of two swales and two outfalls. This work is scheduled to be completed in June 2004. The last grant is also from the EPA Ch. 319. The work under this grant involves installing deep sump catchbasins and baffle tanks along Lake Gardner and the Powow River. The work is scheduled to be completed in June 2006.

### 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 1<br>(Reliance on non-municipal partners indicated, if any)                                                               | Planned Activities – Permit Year 2                                                                                                     |
|---------------|-------------------------------------------------------------|-------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| 1a<br>Revised | Publish information on voluntary yard waste program         | Town Engineer                 | Publish in newspaper various times                          | The town published information regarding the hours of operation, location, materials to be collected, etc. for the yard waste program.                      | Similar efforts will be continued.                                                                                                     |
| 1b<br>Revised | Publish information about household hazardous waste program | Town Engineer                 | Publish flyers and notices in paper and radio in the spring | The town published information regarding the hours of operation, date, location, materials to be collected, etc. for the household hazardous waste program. | Similar efforts will be continued.                                                                                                     |
| 1c<br>Revised | Publish educational brochure<br><i>* see note</i>           | Town Engineer                 | Coordinate with public awareness groups and update annually | No action taken.                                                                                                                                            | Efforts will be made to prepare an educational brochure and coordinate with local groups and residents to disseminate the information. |
| 1d<br>Revised | Post brochure on town website                               | IS Dept.                      | Establish link and update annually                          | The town posted a generic stormwater brochure on their website.                                                                                             | Efforts will be made to update the website annually.                                                                                   |

#### 1a. Additions

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## 2. Public Involvement and Participation

| BMP ID #      | BMP Description                                  | Responsible Dept./Person Name       | Measurable Goal(s)              | Progress on Goal(s) – Permit Year 1<br>(Reliance on non-municipal partners indicated, if any)                        | Planned Activities – Permit Year 2 |
|---------------|--------------------------------------------------|-------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------|
| 2a<br>Revised | Voluntary yard waste disposal program            | Dept. of Public Works               | Conduct annually April-November | The town conducts a yearly voluntary yard waste program from April-November.                                         | Similar efforts will be continued. |
| 2b<br>Revised | Conduct meetings regarding stormwater management | Dept. of Public Works/Town Engineer | Conduct one meeting per year    | The Lakes & Waterways Commission conducts open meetings numerous times during the year to discuss stormwater issues. | Similar efforts will be continued. |

## 2a. Additions

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## 3. Illicit Discharge Detection and Elimination

| BMP ID #      | BMP Description                                                     | Responsible Dept./Person Name | Measurable Goal(s)                                        | Progress on Goal(s) – Permit Year 1<br>(Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 2 |
|---------------|---------------------------------------------------------------------|-------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------|
| 3a<br>Revised | Map stormwater drainage system and outfalls<br><i>* see note</i>    | Town Engineer                 | 3 year program using GPS equipment with submeter accuracy | No action taken.                                                                              | * see note                         |
| 3b<br>Revised | Visually inspect outfalls for dry weather flow<br><i>* see note</i> | Town Engineer                 | 3 year program concurrent with mapping                    | No action taken.                                                                              | * see note                         |

|         |                                                                                 |               |                                                                               |                                   |                                   |
|---------|---------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------|-----------------------------------|-----------------------------------|
| 3c      | Develop sampling & analyses program to sample outfalls<br>* see note            | Town Engineer | 3 year program based on results of outfall inspection                         | No work proposed in permit year 1 | * see note                        |
| Revised |                                                                                 |               |                                                                               |                                   |                                   |
| 3d      | Develop program to identify and locate illicit connections                      | Town Engineer | 3 year program to smoke test drains based on results of sampling and analysis | No work proposed in permit year 1 | * see note                        |
| Revised | * see note                                                                      |               |                                                                               |                                   |                                   |
| 3e      | Periodically inspect outfalls                                                   | Town Engineer | Annual program once mapping completed. Inspect 25% of outfalls per year       | No work proposed in permit year 1 | No work proposed in permit year 2 |
| Revised |                                                                                 |               |                                                                               |                                   |                                   |
| 3f      | Develop stormwater use regulations prohibiting illicit discharges<br>* see note | Town Engineer | Incorporate into comprehensive stormwater ordinance                           | No work proposed in permit year 1 | * see note                        |
| Revised |                                                                                 |               |                                                                               |                                   |                                   |

### 3a. Additions

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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 1<br>(Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 2                                                                     |
|----------|----------------------------------------------|----------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| 4a       | Develop a comprehensive stormwater ordinance | Dept. of Public Works, Town Engineer, other Depts. | Obtain approval from Mayor and Municipal Council | No work proposed in permit year 1                                                             | Efforts will be made by volunteers and town employees to develop a comprehensive stormwater ordinance. |

|         |                                                                                              |                                                        |                                                                                                                   |                                                                                                                                                                                                     |                                    |
|---------|----------------------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Revised | * see note                                                                                   |                                                        |                                                                                                                   |                                                                                                                                                                                                     |                                    |
| 4b      | Reassess stormwater management plan                                                          | Town Engineer                                          | Perform every three years                                                                                         | No work proposed in permit year 1                                                                                                                                                                   | No work proposed in permit year 2  |
| Revised |                                                                                              |                                                        |                                                                                                                   |                                                                                                                                                                                                     |                                    |
| 4c      | Require erosion and sedimentation control measure plan prior to construction on all projects | Planning Board, Conservation Commission, Town Engineer | Conduct periodic site inspections and monitor and track violations through reports to the Conservation Commission | The Planning Board requires erosion and sedimentation control plans prior to construction. Site visits are conducted periodically to assure the Contractor is in compliance with his proposed plan. | Similar efforts will be continued. |
| Revised |                                                                                              |                                                        |                                                                                                                   |                                                                                                                                                                                                     |                                    |

#### 4a. Additions

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#### 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 1<br>(Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 2                                                                                         |
|----------|---------------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 5a       | Develop standards for regulating stormwater controls for all new and redevelopment projects | Planning Board, Conservation Commission, Town Engineer | Incorporate into comprehensive stormwater ordinance | No work proposed in permit year 1                                                             | The town intends to develop these standards in conjunction with the preparation of the comprehensive stormwater ordinance. |
| Revised  | and inspect controls<br>* see note                                                          |                                                        |                                                     |                                                                                               |                                                                                                                            |

## 5a. Additions

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

| BMP ID # | BMP Description                                          | Responsible Dept./Person Name | Measurable Goal(s)                                                                                                                                                     | Progress on Goal(s) – Permit Year 1<br>(Reliance on non-municipal partners indicated, if any)                                    | Planned Activities – Permit Year 2                                                                                                                     |
|----------|----------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6a       | Street sweeping                                          | Dept. of Public Works         | Continue program of sweeping twice annually. Track volume of material collected by area. Sweep in late spring and fall with additional sweeping during severe winters. | The town performed street sweeping, however, the amount of debris was not tracked.                                               | Street sweeping efforts will be continued and efforts will be made to track the amount of debris collected during the sweeping.                        |
| Revised  |                                                          |                               |                                                                                                                                                                        |                                                                                                                                  |                                                                                                                                                        |
| 6b       | De-icing                                                 | Dept. of Public Works         | Continue program of using Ice Ban to enhance melting.                                                                                                                  | Ice Ban was not used to enhance melting.                                                                                         | The town does not intend to continue using Ice Ban.                                                                                                    |
| Revised  |                                                          |                               |                                                                                                                                                                        |                                                                                                                                  |                                                                                                                                                        |
| 6c       | Develop Spill Prevention Control Plan for the DPW Garage | Dept. of Public Works         | Implement plan and train employees within one year                                                                                                                     | A Spill Prevention Control Plan was developed for the DPW Garage.                                                                | The town intends to train their employees in accordance with the plan.                                                                                 |
| Revised  | * see note                                               |                               |                                                                                                                                                                        |                                                                                                                                  |                                                                                                                                                        |
| 6d       | Catchbasin cleaning                                      | Dept. of Public Works         | Continue program of catchbasin cleaning twice annually. Track volume of material removed by area.                                                                      | Due to limited funding, the town cleaned approximately 50% of the catchbasins. The volume of material collected was not tracked. | The town intends to clean the catchbasins twice on a townwide basis. Efforts will be made to track the amount of debris collected during the cleaning. |

|         |                                                                     |                       |                                                                                                            |                                                                                                     |                                                                                                                         |  |  |
|---------|---------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|--|--|
| Revised |                                                                     |                       |                                                                                                            |                                                                                                     |                                                                                                                         |  |  |
| 6e      | Trash removal and recycling                                         | Dept. of Public Works | Continue program of trash removal weekly and curbside recycling biweekly.                                  | The curbside trash removal and recycling programs were conducted.                                   | Similar efforts will be continued.                                                                                      |  |  |
| Revised |                                                                     |                       |                                                                                                            |                                                                                                     |                                                                                                                         |  |  |
| 6f      | Yard waste disposal                                                 | Dept. of Public Works | Continue voluntary program for resident drop-off of yard waste April-November                              | The voluntary yard waste drop-off program was conducted.                                            | Similar efforts will be continued.                                                                                      |  |  |
| Revised |                                                                     |                       |                                                                                                            |                                                                                                     |                                                                                                                         |  |  |
| 6g      | Household hazardous waste program                                   | Dept. of Public Works | Continue annual program of conducting a collection day for household hazardous waste                       | No work proposed in permit year 1 -- The town conducted a household hazardous waste collection day. | Similar efforts will be continued.                                                                                      |  |  |
| Revised |                                                                     |                       |                                                                                                            |                                                                                                     |                                                                                                                         |  |  |
| 6h      | Develop storm drain flushing program                                | Dept. of Public Works | Annual program where selected drains are cleaned in the spring starting the second year of the permit      | No work proposed in permit year 1                                                                   | The town intends to clean selected drains, especially in the areas where catchbasins were not cleaned in permit year 1. |  |  |
| Revised |                                                                     |                       |                                                                                                            |                                                                                                     |                                                                                                                         |  |  |
| 6i      | Television inspection of storm drains                               | Dept. of Public Works | Annual program where selected drains are TV inspected in the spring starting the second year of the permit | No work proposed in permit year 1                                                                   | Efforts will be made to TV inspect a select number of drains.                                                           |  |  |
| Revised | * see note                                                          |                       |                                                                                                            |                                                                                                     |                                                                                                                         |  |  |
| 6j      | Require spill control plans from all non-residential establishments | Dept. of Public Works | Required within one year                                                                                   | No work proposed in permit year 1                                                                   | Efforts will be made implement require spill control plans from all non-residential establishments.                     |  |  |
| Revised | * see note                                                          |                       |                                                                                                            |                                                                                                     |                                                                                                                         |  |  |

**6a. Additions**

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**7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA) - NOT APPLICABLE**

| BMP ID # | BMP Description | Responsible Dept./Person Name | Measurable Goal(s) | Progress on Goal(s) – Permit Year 1<br>(Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 2 |
|----------|-----------------|-------------------------------|--------------------|-----------------------------------------------------------------------------------------------|------------------------------------|
|          |                 |                               |                    |                                                                                               |                                    |
| Revised  |                 |                               |                    |                                                                                               |                                    |

**7a. Additions**

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Note:

(\*) Due to cuts in state and local funding, proposed work scheduled for Permit Year 2 may be delayed to Permit Year 3.

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

No information was collected or analyzed.