

**Municipality/Organization:** Town of Plainville

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**EPA NPDES Permit Number:**

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**MassDEP Transmittal Number:** W-040963

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**Annual Report Number**

Year 10

**& Reporting Period:**

April 1, 2012 – March 31, 2013

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**NPDES PII Small MS4 General Permit  
Annual Report  
(Due: May 1, 2013)**

**Part I. General Information**

**Contact Person:** Joseph E. Fernandes

**Title:** Town Administrator

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**Email:** jfernandes@plainville.ma.us

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**Mailing Address:** Plainville Town Hall PO Box 1717 142 South Street Plainville MA 02762

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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:**



**Printed Name:**

Joseph E. Fernandes

**Title:**

Town Administrator

**Date:**

4-30-2013

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

During the first five permit years, Plainville made significant progress in its stormwater goals. From a regulatory standpoint, the Town chose to utilize the authority of the Board of Health to oversee stormwater and drainage in Plainville. That was done deliberately in that the Board of Health has the authority to draft and implement regulations without the requirement of going to Town Meeting for approval. The end result has been that our regulations dealing with stormwater and drainage are among the most comprehensive in the Commonwealth.

Unfortunately, with the economic downturn, Plainville was forced to cut its “environmental staff”. Our former full-time Planner was reduced to part-time and later eliminated. We continue to employ a part-time Conservation Agent and a full time Health Agent. The Board of Health has continued to take the lead in the review of projects as they might affect stormwater run-off and drainage.

Through the efforts of the Board of Health and its agent in concert with other staff, Plainville has and continues to monitor and regulate stormwater impacts in compliance with this permit.

All Town By-laws and Regulations including those dealing with Stormwater, most notably those of the Board of Health, were catalogued into one document manual known as the “Code of the Town of Plainville” and made available in an electronic format on the Town’s website.



## 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 10 (Reliance on non-municipal partners indicated, if any) | Planned Activities                                                                     |
|----------|---------------------------------|-------------------------------|-------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Revised  | Design and distribute brochures | S/W Manager                   | Raise Public awareness  | Brochures continue to be available to the public at various locations                       | Continue outreach and information distribution including the use of the Town's Website |
| Revised  | Stencil Storm Drains            | Health Agent                  | Identify MS4            | Some re-stenciling of faded storm drain warnings                                            | Continue to re-stencil faded storm drains                                              |
| Revised  | Educate Students                | S/W Educators & Teachers      | Classroom Presentations | Educational presentations have been made                                                    | Continue educational presentations in classrooms                                       |
| Revised  |                                 |                               |                         |                                                                                             |                                                                                        |
| Revised  |                                 |                               |                         |                                                                                             |                                                                                        |
| Revised  |                                 |                               |                         |                                                                                             |                                                                                        |
| Revised  |                                 |                               |                         |                                                                                             |                                                                                        |

### 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 10 (Reliance on non-municipal partners indicated, if any)                                                                                                               | Planned Activities                                                                                                                                                                        |
|----------|------------------------------------------------------|-------------------------------|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Revised  | Form Technical Committee (T.C.)                      | S/W Manager                   | T.C. provides technical assistance | The Town maintains an “environmental staff” and has incorporated them into review of permits involving storm water. Due to budget cuts we have increasingly relied on review consultants on new projects. | Continue internal review, and now external review consultants of new permits which affect stormwater. Additionally, Norfolk County Engineering staff is being made available to the Town. |
| Revised  | T.C. Reviews General Permit                          | T.C.                          | S/W Goals Identified               | In house staff now charged with reviewing appropriate aspects of the Permit                                                                                                                               | Staff is now the Technical Committee and external review consultants to carry out goal                                                                                                    |
| Revised  | T.C. Develops Strategy                               | S/W Manager                   | Changes Made to Local Regulations  | Board of health incorporated BMP’s into applicable drainage regulations for subdivisions and commercial development                                                                                       | Continuance of regulation review for efficacy and potential regulation changes                                                                                                            |
| Revised  | Residents Help Enforce Illicit Discharge Regulations | Health Agent                  | Residents Report Violations        | All reports are logged and investigated for action by Health Agent                                                                                                                                        | Continue current process and outreach to community to encourage additional citizen reporting                                                                                              |
| Revised  |                                                      |                               |                                    |                                                                                                                                                                                                           |                                                                                                                                                                                           |

### 2a. Additions

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## Illicit Discharge Detection and Elimination

| BMP ID # | BMP Description                | Responsible Dept./Person Name    | Measurable Goal(s)         | Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)                                                                                                            | Planned Activities                                                                                                                                |
|----------|--------------------------------|----------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
|          | Map Outfalls and MS4           | Highway Superintendent           | Map MS4                    | Utilization of Outfall Map developed by Norfolk County Engineers to identify and initiate further steps in controlling illicit discharges to water bodies                                              | Possible periodic testing dependent on new permit requirements                                                                                    |
| Revised  |                                |                                  |                            |                                                                                                                                                                                                        |                                                                                                                                                   |
|          | Draft Illicit Discharge By-law | Board of Health                  | Town Meeting adopts by-law | Rather than bylaws, the Board of Health has initiated regulations dealing with stormwater. Incorporated the Board of Health's regulation as they pertain to stormwater into the Town's "General Code". | Continual review and applicability of those Regulations relative to Stormwater in concert with Conservation Commission and Planning Board review. |
| Revised  |                                |                                  |                            |                                                                                                                                                                                                        |                                                                                                                                                   |
|          | Enforcement of Bylaw           | Board of Health and Health Agent | Discourage Violations      | Board of Health and Health Agent utilize ticketing system to fine violators                                                                                                                            | Continuance of enforcement of existing regulations                                                                                                |
| Revised  |                                |                                  |                            |                                                                                                                                                                                                        |                                                                                                                                                   |
|          |                                |                                  |                            |                                                                                                                                                                                                        |                                                                                                                                                   |
| Revised  |                                |                                  |                            |                                                                                                                                                                                                        |                                                                                                                                                   |
|          |                                |                                  |                            |                                                                                                                                                                                                        |                                                                                                                                                   |
| Revised  |                                |                                  |                            |                                                                                                                                                                                                        |                                                                                                                                                   |
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### 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 10 (Reliance on non-municipal partners indicated, if any)                                                                                                     | Planned Activities                                                                                     |
|----------|---------------------------------------------------------|-----------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Revised  | Board of Health has drafted and implemented regulations | Board of Health, in concert with Con Com & Planning Board | Board of Health Drafts Regulations       | Proposed Construction projects now required to undergo an Environmental Health Impact Review through the Board of Health. 110 such reviews have been conducted since the inception of the permit | Continue to review regulation language and determine efficacy                                          |
| Revised  | Enforcement of Bylaw                                    | Con Com, Planning Board                                   | Requirement of all Construction Activity | Enforcement of applicable stormwater regulations enhanced by the hiring of full time health agent and part time conservation agent                                                               | Board of Health Agent to actively investigate violations and develop a prospective inspection program. |
| Revised  | Enforcement of Regulations                              | Board of Health in concert with Con Com & Planning Board  |                                          |                                                                                                                                                                                                  |                                                                                                        |
| Revised  |                                                         |                                                           |                                          |                                                                                                                                                                                                  |                                                                                                        |
| Revised  |                                                         |                                                           |                                          |                                                                                                                                                                                                  |                                                                                                        |
| Revised  |                                                         |                                                           |                                          |                                                                                                                                                                                                  |                                                                                                        |
| 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 10 (Reliance on non-municipal partners indicated, if any)                                                                                                                                                                                    | Planned Activities                                                                                     |
|----------|------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Revised  | Propose Regulation Changes         | Con Com, Planning Board Board of Health Board of Health now lead agency | Town adopts bylaw changes Boards amend their regulations Enforcement through Regulations. | Regulations determined to be more effective and easier to amend than bylaw changes.                                                                                                                                                                                            | Regulation review and amendments as necessary ongoing and incorporate those into Town's "General Code" |
| Revised  | Review S/W impacts on new projects | Con Com, Planning Board Board of Health                                 | Project's S/W mgt plan must meet applicable bylaws and regulations                        | Project review has and continues to be part of the permitting process for new construction. Projects are now required to submit to an Environmental Health Impact Review through the Board of Health. 102 such reviews have been completed since the inception of this permit. | Process continues and investigation as to whether new review tools and regulations are necessary       |
| Revised  | Require Deed Restrictions          | Con Com, Planning Board Board of Health                                 | Town ensures long term maintenance of S/W Mgt. goals                                      | Town requires through its Board of Health and Planning Board regulations that storm ceptors or similar drainage structure be defined and maintained by deed. Con com requires that S/W mgtm plan be recorded with deed                                                         | Continue monitoring of actual maintenance programs.                                                    |
| Revised  |                                    |                                                                         |                                                                                           |                                                                                                                                                                                                                                                                                |                                                                                                        |
| Revised  |                                    |                                                                         |                                                                                           |                                                                                                                                                                                                                                                                                |                                                                                                        |
| Revised  |                                    |                                                                         |                                                                                           |                                                                                                                                                                                                                                                                                |                                                                                                        |

### 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 10 (Reliance on non-municipal partners indicated, if any)                                                                        | Planned Activities                                                                                                                                                     |
|----------|-----------------------------------|-------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          | Clean catch basins regularly      | Highway Dept                  | Prevent debris from entering MS4          | All catch basins are cleaned annually                                                                                                                              | Continue to clean catch basins                                                                                                                                         |
| Revised  |                                   |                               |                                           |                                                                                                                                                                    |                                                                                                                                                                        |
|          | Sweep Streets regularly           | Highway Department            | Prevent sand and debris from entering MS4 | Concerted effort to limit amounts of sand utilized during storms. All streets were swept after snow season                                                         | Continue to sweep streets                                                                                                                                              |
| Revised  |                                   |                               |                                           |                                                                                                                                                                    |                                                                                                                                                                        |
|          | Use E&S controls for road repairs | Highway Dept                  | Prevent Erosion into MS4                  | Erosion controls are used as necessary by Highway Department and required of private contractors as necessary                                                      | Continue to enforce erosion controls and establishment of road opening bylaw which further defines requirements                                                        |
| Revised  |                                   |                               |                                           |                                                                                                                                                                    |                                                                                                                                                                        |
|          | Cover outside drums and salt      | Highway Dept                  | Prevent leachate from entering MS4        | All salt piles are now stored under cover                                                                                                                          | Continue storage                                                                                                                                                       |
| Revised  |                                   |                               |                                           |                                                                                                                                                                    |                                                                                                                                                                        |
|          | Litter/scattered trash pick-up    | Health Agent / Highway dept.  |                                           | Utilizing Trial Court Community Service defendants, the Health Agent has supervised the removal of litter and debris from water bodies governed under this permit. | Continue to utilize Trial Court Community Service defendants, under Health Agent supervision to remove litter and debris from water bodies governed under this permit. |
| Revised  |                                   |                               |                                           |                                                                                                                                                                    |                                                                                                                                                                        |
| Revised  |                                   |                               |                                           |                                                                                                                                                                    |                                                                                                                                                                        |

### 6a. Additions

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**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 Year10 (Reliance on non-municipal partners indicated, if any)                           | Planned Activities                             |
|----------|------------------------------------------------------------|-------------------------------|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
|          | Does MS4 discharge into impaired body?                     | Highway Supt                  | Show MS4 outfalls into Category 5's on map | All outfalls potentially effecting Category 5's have been located by Norfolk County Engineers and delineated on Map. | Monitor outfalls during and after storm events |
| Revised  |                                                            |                               |                                            |                                                                                                                      |                                                |
|          | Identify pollutants discharging from MS4 into Category 5's | Highway Supt                  | Isolate pollutants                         |                                                                                                                      |                                                |
| Revised  |                                                            |                               |                                            |                                                                                                                      |                                                |
|          | Search for source of Pollutant                             | Highway Supt<br>Health Agent  | Assign responsibility for correction       | Search and monitoring ongoing                                                                                        | Continue the monitoring                        |
| Revised  |                                                            |                               |                                            |                                                                                                                      |                                                |
|          | Reduce Pollutants discharging from MS4 into Category 5's   | Health Agent                  | Enforce illicit discharge by law           | Progress Ongoing                                                                                                     | Regulations through Board of Health            |
| Revised  |                                                            |                               |                                            |                                                                                                                      |                                                |
|          |                                                            |                               |                                            |                                                                                                                      |                                                |
| Revised  |                                                            |                               |                                            |                                                                                                                      |                                                |

**7a. Additions**

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