

**WAYLAND CONSERVATION DEPARTMENT**  
**41 COCHITUATE ROAD**  
**WAYLAND, MA 01778**  
**(508) 358-3669      FAX: (508)-358-3046**

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**FACSIMILE (FAX) COVER SHEET**

**DATE:** May 4, 2007

**TO:** Ann Herrick

**FAX #:** 617-918-0560

**FROM:** Nancy Mandeville

**TOTAL PAGES SENT:** 9 (Including Cover Sheet)

**Remarks:**

Hi Ann, Brian is also mailing you a hard copy of this report. Thank you, Nancy

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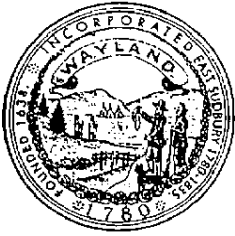
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**If any pages are missing or there is any problem, please call**

Brian or Nancy at (508) 358-3669



**TOWN OF WAYLAND**  
MASSACHUSETTS  
01778  
**CONSERVATION COMMISSION**

TOWN BUILDING  
41 COCHITUATE ROAD  
TELEPHONE: (508) 358-3669  
FAX: (508) 358-3046

May 4, 2007

Ms Ann Herrick  
US Environmental Protection Agency  
1 Congress Street, Suite 1100 (CIP)  
Boston, MA 02114-2023

Re: NPDES Small MS4 General Permit Number [MAR041169]  
Town of Wayland, MA 01778

Dear Ms. Herrick

Enclosed is a copy of the 2007 Annual Report for the Town of Wayland. In addition a copy of the report was sent to Fred Civian at the Massachusetts Department of Environmental Protection.

If you have any questions or comments please contact me.

Thank you.

Sincerely,

Brian J. Monahan,  
Conservation Administrator

Enc.

Cc Mr. Fred Turnkington, Town Administrator  
Conservation Commissioners  
File

**Municipality/Organization:**

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**EPA NPDES Permit Number:** MAR041169

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**MassDEP Transmittal Number:** W-041312

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**Annual Report Number**

**& Reporting Period:**

April 1, 2006 – March 31, 2007

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## **NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2007)**

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

**Contact Person:** Brian Monahan

**Title:** Conservation Administrator

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**Telephone #:** 508-358-3669

**Email:** bmonahan@wayland.ma.us

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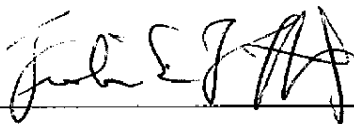
**Mailing Address:** 41 Cochituate Road Wayland, MA 01778

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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:** Frederic Turkington

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**Title:** Town Administrator

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**Date:**

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## Part II. Self-Assessment:

The Town of Wayland continues to pursue storm water activities incorporated within the efforts of a number of Boards/Commissions and town departments as part of their overall goals and activities. Funding for specific tasks remains limited. The Town has continued to participate in a watershed wide effort to meet some of the public participation and educational tasks in the MS4 General Permit. The watershed effort is through the SuAsCo (Sudbury, Assabet, Concord) Watershed Community Council of which the majority of the Town of Wayland falls within – in particular the Sudbury River watershed area. Note that a small portion of Wayland is also within the Charles River watershed association.

In correspondence dated August, 2006 the Town was directed to examine certain components of our SWMP relating to a number of points. The Town of Wayland is within a basin that was identified in the 2001 report as being “medium” stressed thus creating a requirement to minimize, to the maximum extent possible, the loss of annual recharge to groundwater. Through the permitting process of the Conservation Commission and Planning Board recharge is generally one of the desired and promoted means to handle runoff. Roof runoff is sought to be managed consistent with the DEP Storm water Policy, evolving to a regulatory role. Road runoff is again looked at for quality and a general standard in permit review is to seek documentation that rates and volumes of runoff remain unchanged, or if applicable reduced, pre and post construction for multiple storm events generally suggested for 1, 10, and 100-year storm events. While specific wording may need to be added to the SWMP the Town, through the Conservation Commission and other Boards has consistently pursued recharge as a mitigation measure for any new project unless contamination issues preclude the use of such an option. There is one new multifamily development currently being constructed and a significant portion of that project relies upon recharge.

The TMDL tables prepared by MA DEP Water Resources were also reviewed. Six water bodies have been identified as being Category 5 Waters. Two water bodies, Wash Brook (8247800 MA 82A-06-2004), flow through a non-urbanized area of Wayland from Sudbury into the Sudbury River and Heard Pond (82058 MA 82058-2004) will not be specifically addressed in the SWMP. However, it is worth noting that when work is proposed that discharges to either of these water bodies the same standards applied to projects within the urbanized area of Wayland are applied to these projects as well. TMDLs apply to two basins of Lake Cochituate in Wayland (Middle (82125) and North (82020)), to Dudley Pond (82029), and to Pine Brook (8247950). There was a project to reduce runoff from one point source to Dudley Pond (DEP File 322-640) where the Dudley Pond Association (DPA) working with the Town of Wayland obtained a grant to create a bio-swale to treat water prior to its discharge to a stream that runs directly into Dudley Pond. In addition the Surface Water Quality Committee (SWQC) has a number of initiatives intended, in part, to address water quality to Dudley Pond. Monies were appropriated by the Town to fund projects related to water quality of Dudley Pond under the direction of the SWQC.

The SWQC has also prepared at least two brochures, which are being circulated to the general public, are available in

the Conservation Commission office, and elsewhere in the Town. The brochures are informational documents addressing "Ponds, Lakes and Rivers Prime Wayland Assets" and "Health Lawns and Landscapes". This type of informational flyer is a very useful tool for distribution to provide some background information to the general public and directly relates to some of the potential impacts on water quality and storm water. The Wayland Water Department provided support for the lawn care document, which is also intended to promote sound water use. The brochure is simple and should provide an important public education tool to the Town. The Water Department and the School Department, with input from MA DEP, is also in the process of addressing storm water runoff from the parking lot at the High School to a nearby well field. In the past year there have been efforts to increase the awareness of the need to protect water quality.

Efforts continue to be on going to work with the Highway Department and staff regarding the impact of construction and the need to employ sediment management practices which are generally implemented for the work done by the Department.

The Town has begun to work on reviewing a Storm water Bylaw. A Conservation Commissioner has been reviewing some of the sample bylaws that are available with consideration to what might be most appropriate for the Town. Generally given the limitation of any single review by any Board at the present time consideration of a single bylaw seems to be more practicable than attempting to find individual regulations and modifying the existing regulations and/or bylaws.

The Town does need to consider some program for the detection of illicit discharges. When the mapping was being done the reporting was to note any possible illicit discharges. That data has not been fully analyzed. The mapping itself has been done for a majority of the urbanized areas within the community. The mapping cost was based upon an estimated number of catch basins (3,000), which was in fact exceeded before the entire urbanized area was completely mapped. Submission requirements for projects and other means of obtaining data points for the areas that have not been mapped are being discussed with applicable departments including the GIS coordinator. The mapping was contracted with an end goal of having, for not less than the urbanized areas of Wayland, a GIS data layer with both outfalls and catch basins (and to some degree the actual drainage system). While the Phase II requirement is to map the outfalls such a requirement lends little to a solution without the additional information about the system discharging to an outfall. The means to finalize the mapping include adopting submission requirements for projects that locate the nearest outfall to a project, reviewing plans for other utility work, for example a water line replacement for supplemental information such as outfalls and catch basins, and seeking additional funding to complete the mapping. Funding is very limited for capital projects with the demand for funds for a variety of project exceeding the available capital in any given year.

EPA has requested that communities review their measurable goals. The narrative provided is intended to be responsive to that request.

### 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 4<br>(Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 5                                                                                |
|----------|--------------------------------------------------------------------------|-------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| PEO-3    | Business brochure                                                        |                               | Prepare public information material | Material prepared by SuAsCo for distribution                                                  | Work on distribution of material that is available.                                                               |
| Revised  |                                                                          |                               |                                     |                                                                                               |                                                                                                                   |
| PEO-4    | Integrate storm water educational material into other planned activities | Undef                         | Storm water Stencils                | Stencil kits received by Town                                                                 | Identify volunteer/s and keep catch basins (on newly paved streets in critical areas) for application of markers. |
| Revised  |                                                                          |                               |                                     |                                                                                               |                                                                                                                   |
| 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 4<br>(Reliance on non-municipal partners indicated, if any)                                              | Planned Activities – Permit Year 5                                          |
|-----------------|----------------------------|-------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| PP<br>Revised   | Convene storm water summit | All                           | Hold a meeting                            | Need to revisit this BMP to determine if there is an alternative means to assure communication w/o overwhelming Town with another meeting. | Work on alternative forms of communication to Boards, Commissions and Staff |
| PP-2<br>Revised | Storm water web page       | All                           | Link or links on Town of Wayland Web page | Check links, add additional material                                                                                                       | Continue same                                                               |
| Revised         |                            |                               |                                           |                                                                                                                                            |                                                                             |
| Revised         |                            |                               |                                           |                                                                                                                                            |                                                                             |
| Revised         |                            |                               |                                           |                                                                                                                                            |                                                                             |
| Revised         |                            |                               |                                           |                                                                                                                                            |                                                                             |

### 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 4<br>(Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 5                   |
|----------|-----------------------------|-------------------------------|--------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------|
| IDE-1    | Storm water Mapping         | ConCom/GIS, Others            | Have map available                   | Data collection, with funding limits, completed.                                              | Seek to have data available on the Town's GIS system |
| Revised  |                             |                               |                                      |                                                                                               |                                                      |
| IDE-3    | Illicit Discharge Detection | All Town Depts.               | Identification of illicit discharges | Some data collection done during permitting process                                           |                                                      |
| Revised  |                             |                               |                                      |                                                                                               |                                                      |
| Revised  |                             |                               |                                      |                                                                                               |                                                      |
| Revised  |                             |                               |                                      |                                                                                               |                                                      |
| Revised  |                             |                               |                                      |                                                                                               |                                                      |
| Revised  |                             |                               |                                      |                                                                                               |                                                      |

#### 3a. Additions

|       |                                |                   |                                           |  |                                                                                    |
|-------|--------------------------------|-------------------|-------------------------------------------|--|------------------------------------------------------------------------------------|
| IDE-1 | Supplement Storm water Mapping | ConCom and others | Seeking means to get missing data for GIS |  | Have system that generates, through other applications, for example, missing data. |
|       |                                |                   |                                           |  |                                                                                    |

#### 4. Construction Site Stormwater Runoff Control

| BMP ID #             | BMP Description                            | Responsible Dept./Person Name | Measurable Goal(s)                  | Progress on Goal(s) – Permit Year 4<br>(Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 5                                                                                                                                 |
|----------------------|--------------------------------------------|-------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CSW-1<br>Revised     | Reduce pollutants from construction sites. | Various Boards/Staff          | Review permits for conditions, etc. | On-going implementation                                                                       | Continue the same as previous years.                                                                                                                               |
| BMP CSW-3<br>Revised | Site inspections -                         | Planning Bd, Con. Comm.       | Site inspections                    | Site inspections done by Staff and also a requirement of permits issued by ConCom.            | Continue same procedures. Attempt to quantify any shortcomings – i.e. failure to comply with inspection requirement. Use non-criminal penalties where appropriate. |
| Revised              |                                            |                               |                                     |                                                                                               |                                                                                                                                                                    |
| 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 4<br>(Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 5                                                                                |
|-----------------|-----------------------------------------------|-------------------------------|------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| GH-1<br>Revised | Develop controls for reducing discharge       | Various Depts.                | On-site implementation | Depts. are generally aware of requirements and using bmps                                     | Seek continued compliance                                                                                         |
| GH-2<br>Revised | Landfill SWPP                                 | Board of Health               | By others              | Presumed to be effective and on going.                                                        | Continue past practices                                                                                           |
| GH-3<br>Revised | Development format for all Boards             | Undef                         | Format                 | Incorporated into other activities                                                            | No further action planned                                                                                         |
| GH-4<br>Revised | Record depository                             | Undef                         | Annual Reports         | Year Three Report sent late and not on EPA web site – will be sent under separate cover       | Send Year 4 Report                                                                                                |
| GH-5<br>Revised | Annual Training                               | Undef                         | Annual Workshop        | Needs to be incorporated into some other annual event to be efficient.                        | Define event generally held annually, i.e. snow plow training or safe driver, and seek time within that workshop. |
| GH-6<br>Revised | Annual Workshop for Boards, Commissions, etc. | Undef                         | Annual Meeting         | Not one held                                                                                  | Seek alternative means to communicate same information. Town has numerous meetings and additional one is onerous. |

### 5a. Additions

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