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**Municipality/Organization:** Somersworth, NH

**EPA NPDES Permit Number:** NHR041034

**Annual Report Number**

**& Reporting Period:** No. 9: April 1, 2011 – March 31, 2012

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

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

**Contact Person:** Thomas H. Willis, Jr., PE      **Title:** Dir. of Public Works and Utilities

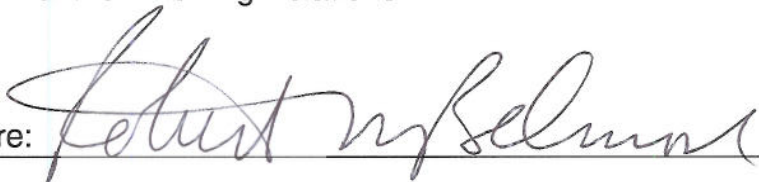
**Telephone #:** 603-692-4266

**Email:** twillis@somersworth.com

#### **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:** Bob Belmore

**Title:** City Manager

**Date:** April 27, 2012

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

The City of Somersworth has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions.

## 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 9<br>(Reliance on non-municipal partners indicated, if any)                                                                                                                                                                                                                                            | Planned Activities – Permit Year 10<br>(until new general permit is issued)                                                                           |
|----------|-------------------------------------------------|------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1        | Complete & show movie "There is No Away"        | Tom Willis/Scott Smith<br>Public Wk Dir/Finance Dir. | Number of showings          | - The City continues to show "There is No Away" and "After the Storm: A Citizen's Video Guide to Understanding Stormwater" on our Government Access -Cable Channel 22. It was shown several times during the reporting period.                                                                                                           | - Continue showing on Government Access - Cable Channel 22 from time to time.<br>- Continue outreach to schools to use the movie in their curriculum. |
| Revised  | (Our SWPPP schedules this BMP for years 1 - 5). |                                                      |                             |                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                       |
| 2        | Develop educational resources.                  | Tom Willis<br>Public Works Dir                       | Variety/number of handouts. | SWPPP Principal Contact continues to look for useful resources to enhance our program. We continue our participation in the Seacoast Stormwater Coalition as time permits. This facilitates a cost-effective approach to sharing information/resources in fulfilling our Outreach/ Education and Staff Training components of our SWPPP. | Continue attending, participating, and gathering.                                                                                                     |
| Revised  | (Our SWPPP schedules this BMP for years 2 - 5). |                                                      |                             |                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                       |

|         |                                                 |                                                                                    |                                                                                                            |                                                                                                                                                                                                                                                    |                                                                                                                                                                  |
|---------|-------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3       | Articles in newsletter/website.                 | Brianne St. Pierre<br>Public Works<br>Beth Nault<br>City Managers Ex.<br>Secretary | Number of articles.                                                                                        | Newsletter is now distributed twice per year and space is limited. To date, the articles were excerpts from our SWPPP. We've added the full SWPPP to our website. We're looking into further revisions to our website to add a Stormwater section. | Seek alternatives to articles in the Newsletter. The City's website is being revised, so we plan to expand our Stormwater coverage here as opportunities permit. |
| 4       | Classroom education on Stormwater.              | Tom Willis, Public Works                                                           | Approximate Number of students seeing the presentation ~100 over one event.                                | The Enviroscope Model was used once at the Middle School, April 2011, during the City wide Earth Day cleanup. Give tours of DPW to third grade class from local school; showing equipment and maintenance efforts.                                 | Continue outreach to schools. See Additions in 1A, below. Make a presentation as situations permit.                                                              |
| 5       | Pet Waste Management                            | Tom Willis, Public Works                                                           | Number of dog licenses.                                                                                    | Educational flyer on pet waste is distributed to the Public through the City Clerk's office. Installed 6 Pet Waste Stations the summer of 2008. These have been maintained ever since with weekly cleanings and stocking the bags.                 | Continue to distribute flyers on pet waste through the City Clerk's office with emphasis during dog licensing period.                                            |
| Revised | (Our SWPPP schedules this BMP for years 1 - 5). |                                                                                    | Per the City Clerk we license approximately 1,300 dogs. Refer to the Pet Waste Report for more information |                                                                                                                                                                                                                                                    |                                                                                                                                                                  |
| Revised | (Our SWPPP schedules this BMP for years 1 - 5). |                                                                                    |                                                                                                            |                                                                                                                                                                                                                                                    |                                                                                                                                                                  |
| Revised | (Our SWPPP schedules this BMP for years 2 - 5). |                                                                                    |                                                                                                            |                                                                                                                                                                                                                                                    |                                                                                                                                                                  |

## 1a. Additions

|  | Low-Impact Development Regulations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Dave Sharples,<br>Planning Director | Number of People<br>Contacted. | In February 2012, the Somersworth Planning Board adopted Low Impact Development (LID) as part of its Site Plan Development regulations. These are one of the most progressive development regulations in New Hampshire as it pertains to the management of stormwater on development sites. | <b>See Below.</b> |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
|  | The regulations include the following: limits on generating stormwater runoff; accounting for soil types; requiring groundwater recharge where suitable; consider and implement best available treatment technologies with due consideration for stormwater flow rates and flow volumes; promoting low impact designs considerations such as: disconnecting impervious areas, minimizing impervious areas, preserving natural buffers, vegetation and animal habitat areas, strategically locating stormwater practices to maximize treatment and infiltration; preparing natural implementation of an operation and maintenance plan. The City has been conducting outreach to developers and those contemplating land development. Planning director has made several presentations to area organizations since the regulations were adopted. |                                     |                                |                                                                                                                                                                                                                                                                                             |                   |

## 2. Public Involvement and Participation

| BMP ID # | BMP Description                                   | Responsible Dept./Person Name           | Measurable Goal(s)                      | Progress on Goal(s) – Permit Year 9<br>(Reliance on non-municipal partners indicated, if any)                                                        | Planned Activities – Permit Year 10 (until a new general permit is issued)                                                                                                  |
|----------|---------------------------------------------------|-----------------------------------------|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6        | Community cleanups                                | Tom Willis, PE<br>Public Works Director | Number of participants = 200.           | - Approx. 200 +/- participants in our April 30, 2011 “spirit up” day in which volunteers picked up trash in the Downtown area and all over the City. | - City Wide Clean up day is an annual event, scheduled for May 5, 2012<br>- Continue using volunteer organizations for community cleanup as opportunities become available. |
| Revised  | (Our SWPPP schedules this BMP for years 1 - 5).   |                                         |                                         |                                                                                                                                                      |                                                                                                                                                                             |
| 7        | Storm Drain stenciling                            | Department of Public Works              | 295 catch basins were stenciled in 2009 | This year public works crews pointed out the location of stormdrains with painted arrows for maintenance purposes.                                   | Seek volunteers to renew stencils as resources permit.                                                                                                                      |
| Revised  | (Our SWPPP schedules this BMP for years 1 and 4). |                                         |                                         |                                                                                                                                                      |                                                                                                                                                                             |

## 2a. Additions

|                                                                                                    |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                     |
|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| Coordinate with Seacoast Stormwater Coalition for appropriate and feasible education and outreach. | Number of meetings and/or coordinated efforts with the Seacoast Stormwater Coalition. | <p>The City has designated a representative. The Coalition meets quarterly throughout the year. The Coalition coordinated an application for grant money to create a Manual for standard operating procedures for IDDE and good housekeeping. The Manual was approved by the State and produced in November 2006. The Manual can be found on line at <a href="http://www.des.state.nh.us">www.des.state.nh.us</a>, under popular topics choose Storm Water, then Latest News, and scroll down to paragraph 2.</p> <p>Meetings Attended: August 2011 (2 hrs)<br/>October 2011 (2 hrs)<br/>February 23, 2012 (2 hrs)</p> | On-going meetings and attendance. Conduct training using the manual |
|                                                                                                    |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                     |

### 3. Illicit Discharge Detection and Elimination

| <b>BMP ID #</b> | <b>BMP Description</b>                          | <b>Responsible Dept./Person Name</b>        | <b>Measurable Goal(s)</b>                                                            | <b>Progress on Goal(s) – Permit Year 9</b><br>(Reliance on non-municipal partners indicated, if any)                                                                                                                                                                                                                                                                                                                                                          | <b>Planned Activities – Permit Year 10 (until a new general permit is issued)</b>                                                     |
|-----------------|-------------------------------------------------|---------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 8               | Sewer System Map                                | Tom Willis,<br>Public Works<br>Dir          | 100% Complete                                                                        | Sewer System Map is done. We have obtained as-built plans from developers as work was installed. There was little activity in City during reporting period                                                                                                                                                                                                                                                                                                    | Update the map on a continuous basis as new infrastructure is added to the system.                                                    |
| Revised         | (Our SWPPP schedules this BMP for years 1 - 5). |                                             |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                       |
| 9               | Remove known illicit connections.               | Public Works<br>/ Shawn McLean, Gen Foreman | Number removed                                                                       | No illicit discharges were eliminated in 2011. Collection system manager remains vigilant for evidence of illicit connections.                                                                                                                                                                                                                                                                                                                                | We are working with a consultant to identify evidence of illicit connections within a proposed improvement work area in the downtown. |
| Revised         | (Our SWPPP schedules this BMP for years 1 - 5). |                                             | Create standard operating procedures for the detection of non-stormwater discharges. | Developed SOPs for detection and elimination via the Seacoast Stormwater Coalition grant project. City obtained grant money through Seacoast Stormwater Coalition to develop SOPs. A Manual was created and approved by the State and produced in November 2006. The Manual can be found on line at <a href="http://www.des.state.nh.us">www.des.state.nh.us</a> , under popular topics choose Storm Water, then Latest News, and scroll down to paragraph 2. | Perform refresher to staff and others as situations arise                                                                             |
| 10              | Information Management System                   | Public Works/<br>Brie St. Pierre            | Number of outfalls screened - none                                                   | "VueWorks" Asset Management software has been maintained and is operational. We've made progress with water, sewer, and drainage assets. In Summer 2011, summer interns from Univ. of NH transited cross country sanitary and storm sewers and located manholes and outfalls for inclusion in GIS data base. Several hundred data points were obtained. Most were updates with greater precision.                                                             | Implement update of VUEWorks asset management information system released in 2012.                                                    |
| Revised         | (Our SWPPP schedules this BMP for year 5).      |                                             |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                       |

|         |                                                             |                               |                             |                                                                                                                                                                                                                                                                          |                                                                                                                                                                                               |
|---------|-------------------------------------------------------------|-------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11      | Review City Ordinances                                      | Dave Sharples, City Planner & | Number of changes/additions | On April 4, 2011 the City Council passed ordinance 9-11 which permits access over wetlands for Timber Harvesting after the applicant has permission from the State Wetlands Bureau.<br>On Feb 15, 2012, adopted Low-Impact Development Ordinance – See Section 1a above. | Complete review of ordinances pertaining to Stormwater.<br>Formalize a Storm water team to monitor the effectiveness of the changes                                                           |
| Revised | (Our SWPPP schedules this BMP for years 2 & 3).             |                               |                             |                                                                                                                                                                                                                                                                          |                                                                                                                                                                                               |
|         | Develop Guidelines and Standard Operating Procedures Manual | Tom Willis, Public Works Dir. |                             | The Seacoast Stormwater Coalition completed this task. It can be found on line at <a href="http://www.des.state.nh.us">www.des.state.nh.us</a> , under popular topics choose Storm Water, then Latest News, and scroll down to paragraph 2.                              | This year we propose to follow up this initiative with development of materials and curriculum and perform staff training on Illicit Discharge Detection and Elimination as resources permit. |

### 3a. Additions

|  |                             |                               |                                         |                                                                                                                                                                                                                                                                                  |                                     |
|--|-----------------------------|-------------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
|  | Stormwater Rule Enforcement | Tom Willis, Public Works Dir. | 23 of 38 reports were received for 2011 | In 2011 we continued to enforce the stormwater rules and regulations contained within our site plan and subdivision regulations.<br>Specifically in Feb 2012 we sent out reminders letters to previously approved sites requesting their Stormwater Management reports for 2011. | This program will continue in 2012. |
|  |                             |                               |                                         |                                                                                                                                                                                                                                                                                  |                                     |

#### 4. Construction Site Stormwater Runoff Control

| BMP ID # | BMP Description                                                             | Responsible Dept./Person Name                               | Measurable Goal(s)                | Progress on Goal(s) – Permit Year 9<br>(Reliance on non-municipal partners indicated, if any)                                                                                                                                                                                                                                                                                                                                                   | Planned Activities – Permit Year 10 (until a new general permit is issued) |
|----------|-----------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| 11       | Review City Ordinances                                                      | Dave Sharples, City Planner & Tom Willis, Public Works Dir. | Number of changes/additions = one | On Feb 2, 2009 the City Council passed an updated wetlands ordinance titled the Riparian and Wetland Buffer District Ordinance. We see this as a significant step as it will serve to prevent silt and topsoil from entering water bodies and wetlands.<br>Jan 2010 – Master Plan update to embrace sustainable development practices in the city.<br>On February 15, 2012, adopted Low Impact Development Regulations (See Section 1a, above). | - Provide outreach to potential developers on the regulatory requirements  |
| Revised  | (Our SWPPP schedules this BMP for years 1 & 2).                             |                                                             |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                            |
| 12       | Employee training                                                           | Dave Sharples, City Planner & Public Works/Tom Willis, PE   | Number trained = 0                |                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Send new personnel as necessary.                                           |
| Revised  | (Our SWPPP schedules this BMP for years 1 - 5).<br>Begin inspection program |                                                             |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                            |
| 13       | (Our SWPPP schedules this BMP in year 3).                                   | Public Works/Tom Willis, PE                                 | Number of sites inspected = 9     | - Continue inspecting our own work.<br>- CLD Engineering inspects many sites for the City during the year.                                                                                                                                                                                                                                                                                                                                      | Continue current procedures.<br>Improve documentation procedures.          |
| Revised  |                                                                             |                                                             |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                            |

|         |                                            |                                                                                              |                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                       |
|---------|--------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 14      | Maximum compliance                         | Tom Willis,<br>PE Public<br>Works Dir. –<br>Shawn<br>McLean, PW<br>Foreman; CLD<br>Engineers | Number of inspections = 25<br>Goodwin Community Health 4<br>CVS = 2<br>Idlehurst School = 3<br>O'Connell Medical = 2<br>Rymes Oil - 2<br>Barclay Square = 8<br>Radlow Est. = 2<br>Gerrish Commons - 2 | We inspected a number of sites, but we need to improve documentation procedures. No. of inspections dropped off from previous year due to drop off in development activity; Additionally, City Engineer position was changed from full-time city employee to part-time contracted engineer. More monitoring of outside development was delegated to consultants that are required to be hired by city but funded by applicants. | With Consultant inspection and staff training we are moving closer to full compliance. Final reports are required from the consultant on all projects detailing daily reports & other construction quality standards. |
| Revised | (Our SWPPP schedules this BMP for year 5). |                                                                                              |                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                       |

## 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 9 (Reliance on non-municipal partners indicated, if any)                                                                                                                                                                                                                                                                      | Planned Activities – Permit Year 10 (until a new general permit is issued)                                                                |
|----------|-------------------------------------------------|-----------------------------------------------------------------|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| 16       | Identification of BMP's.                        | Dave Sharples,<br>City Planner &<br>Tom Willis,<br>DPW Director | Number of BMP's                          | In February 2012, the City adopted changes to the Site Plan Regulations which requires Low Impact Development Practices be implemented including limits on generating stormwater runoff; accounting for soil types; requiring groundwater recharge where suitable; consider and implement best available treatment technologies; operation and maintenance plan | Implement the new regulations with a focus on identifying and promoting the use of various BMPs as they are designed and developed.       |
| Revised  | (Our SWPPP schedules this BMP for years 3 - 5). |                                                                 |                                          |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                           |
| 17       | Post Construction Maintenance                   | Tom Willis,<br>DPW Director                                     | Number of facilities                     | At the Planning Board stage we require a Stormwater Management, Maintenance, & Inspection Plan to be submitted and approved. We have sent out letters to previously approved sites requesting their Stormwater Management reports for 2011.                                                                                                                     | -Continue with current practice.<br>-Continue with yearly letters to insure inspections are being completed and BMPs are being installed. |
| Revised  | (Our SWPPP schedules this BMP for years 1 - 5). |                                                                 | 23 of 38 reports were received for 2011. |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                           |
| Revised  |                                                 |                                                                 |                                          |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                           |

### 5a. Additions

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

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

| <b>BMP ID #</b> | <b>BMP Description</b>                          | <b>Responsible Dept./Person Name</b> | <b>Measurable Goal(s)</b>      | <b>Progress on Goal(s) – Permit Year 9</b><br>(Reliance on non-municipal partners indicated, if any)                                                                                                                                                                                                                                                               | <b>Planned Activities – Permit Year 10 (until a new general permit is issued)</b>                                        |
|-----------------|-------------------------------------------------|--------------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| 18              | Vehicle washings                                | Public Works/Tom Willis, PE          | Employees trained and reviewed | Continued with previously established procedures for vehicle washings and trained Public Works staff on them.                                                                                                                                                                                                                                                      | Review training as needed.                                                                                               |
| Revised         | (Our SWPPP schedules this BMP for year 1)       |                                      |                                |                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                          |
| 19              | Street cleaning                                 | Public Works/Tom Willis, PE          | 400 Man-hours                  | : City has 130 lane miles of road to sweep.<br>: The sweeping started on March 17 2011 and ended on November 11 2011 and the resumed March 9, 2012.<br>: The sweeper went out and swept 75 times during the above time mentioned.<br>: Filled its debris box 198 times<br>: Picked up 800 cu yd's of debris off of city streets. with an estimated weight 600 tons | Continue street sweeping as in previous years.                                                                           |
| Revised         | (Our SWPPP schedules this BMP for years 1 - 5). |                                      |                                |                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                          |
| 20              | Train employees                                 | Public Works/Tom Willis, PE          | Employees trained              | Informal training provided as needed for various SWPPP activities, such as silt fence installation & vehicle washings. See Additions, below.                                                                                                                                                                                                                       | Move forward with other entities to develop more formal training program on Stormwater activities. See Additions, below. |

|         |                                                                                                                                                                                            |                             |                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                            |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Revised | Reduce the amount of nutrients and sediments entering receiving waters through education of municipal employees about spill prevention and control, vehicle washing, lawn activities, etc. |                             | Create and publish a Manual for NH communities to standardize best management practices and procedures for IDDE, pollution prevention and good housekeeping. Train storm water managers and labor force against these standards. | Seacoast Coalition obtained state grant money to fund the development of BMPs and SOPs best suited NH communities in meeting the IDDE, pollution prevention and good housekeeping requirements. Procedures developed. Numerous meetings held b/w the Seacoast Coalition reps as well as workforce providing input to improve the Manual in application and practicality. The Manual was approved by the State and produced November 2006. The Manual can be found on line at <a href="http://www.des.state.nh.us">www.des.state.nh.us</a> , under popular topics choose Storm Water, then Latest News, and scroll down to paragraph 2. | Continue opportunities to train public works personnel as needed on the implementation of BMPs and construction practices using the resources that have been developed during previous years.                                              |
| 21      | Storm drain system cleaning                                                                                                                                                                | Public Works/Tom Willis, PE | 228 Catch Basins were cleaned                                                                                                                                                                                                    | The City contracted with Felix Septic, Inc to clean basins at a cost of \$6,750. They cleaned 228 basins in October - November 2011.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Continue storm drain system cleaning. We have funding for an outside consultant in year 9 in the amount of \$7,600 for the proposed budget FY12 – FY13. This will be voted on by June 2012 to continue with the existing cleaning program. |
| Revised | (Our SWPPP schedules this BMP for years 1 – 5).                                                                                                                                            |                             |                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                            |
| 22      | Spill response & prevention                                                                                                                                                                | Public Works/Tom Willis, PE | Employees trained                                                                                                                                                                                                                | Seacoast Coalition obtained state grant money to fund the development of BMPs and SOPs best suited NH communities in meeting the IDDE, pollution prevention and good housekeeping requirements. Procedures developed. Numerous meetings held b/w the Seacoast Coalition reps as well as workforce providing input to improve the Manual in application and practicality. The Manual was approved by the State and produced November 2006. The Manual can be found on line at <a href="http://www.des.state.nh.us">www.des.state.nh.us</a> , under popular topics choose Storm Water, then Latest News, and scroll down to paragraph 2. | See Additions, below. This is one of the SOP's under development by the Seacoast Stormwater Coalition.                                                                                                                                     |
| Revised | (Our SWPPP schedules this BMP for years 3 & 4).                                                                                                                                            |                             |                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                            |

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|---------|--|--|--|--|--|
| Revised |  |  |  |  |  |
|---------|--|--|--|--|--|

## 6a. Additions

|  |                                                             |                                                 |                       |                                                                                                                                                                                                                                             |                                                                                                      |
|--|-------------------------------------------------------------|-------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
|  | Develop Guidelines and Standard Operating Procedures Manual | Public Works/<br>Tom Willis<br>and Shawn McLean |                       | The Seacoast Stormwater Coalition completed this task. It can be found on line at <a href="http://www.des.state.nh.us">www.des.state.nh.us</a> , under popular topics choose Storm Water, then Latest News, and scroll down to paragraph 2. | IDDE training to Collection System and Highway Maintenance Staff as part of general training regimen |
|  | Household Hazardous Waste Day                               | Public Works/Tom Willis, PE                     | Number of households. | This event was not funded in the FY10 to FY11 budget, but was funded for FY 2012. Joined the annual regional household hazardous waste collection with nine other area communities beginning this year.                                     | Participate in the regional collection scheduled for May 5, 2012.                                    |

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

| <b>BMP ID #</b>                                                                                 | <b>BMP Description</b> | <b>Responsible Dept./Person Name</b>                              | <b>Measurable Goal(s)</b> | <b>Progress on Goal(s) – Permit Year 9</b><br>(Reliance on non-municipal partners indicated, if any)                                                                                                                                                                                                        | <b>Planned Activities – Permit Year 10 (until a new general permit is issued)</b>                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5-M e.coli impairment for NHIMP60030406-02 due to Illicit Connections to storm drains           |                        | Tom Willis,<br>PE Public Works<br>Dir./Shawn McLean; Gen. Foreman |                           | We have been and continue to investigate the storm drainage system for illicit discharges with the assistance of the NHDES. Once identified, the municipality has worked with the property owners to disconnect the discharge and where necessary re-plumb the sanitary sewer to accommodate the discharge. | We have been and continue to investigate the storm drainage system for illicit discharges with the assistance of the NHDES. Once identified, the municipality has worked with the property owners to disconnect the discharge and where necessary re-plumb the sanitary sewer to accommodate the discharge. |
| Revised                                                                                         |                        |                                                                   |                           |                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                             |
| 4A-M Dissolved Oxygen impairment for NHRIV600030406-03 due to Municipal Point Source Discharges |                        | Tom Willis,<br>PE Public Works Dir.                               |                           | A Point Source TMDL was approved by EPA in 1999. The joint Maine-New Hampshire TMDL has been implemented by the wastewater treatment facilities that discharge to the Salmon Falls River and the river is monitored on a regular basis to determine if water quality standards are being met.               | A Point Source TMDL was approved by EPA in 1999. The joint Maine-New Hampshire TMDL has been implemented by the wastewater treatment facilities that discharge to the Salmon Falls River and the river is monitored on a regular basis to determine if water quality standards are being met.               |
| Revised                                                                                         |                        |                                                                   |                           |                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                             |
| Revised                                                                                         |                        |                                                                   |                           |                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                             |
| Revised                                                                                         |                        |                                                                   |                           |                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                             |
| Revised                                                                                         |                        |                                                                   |                           |                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                             |

[illegible]

## 7a. Additions

[illegible]

## 7b. WLA Assessment

## Part IV. Summary of Information Collected and Analyzed

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

#### Programmatic

|                                                                                                               |          |          |
|---------------------------------------------------------------------------------------------------------------|----------|----------|
| Stormwater management position created/staffed                                                                | (y/n)    | YES      |
| Annual program budget/expenditures- Clean Catch Basins                                                        | (\$)     | 7,200    |
| Sweeper Annual Payment (\$35,255) Sweeper Parts (\$3,700) Sweeper Labor (\$15,000); System Repairs (\$12,000) | \$64,670 |          |
| Household Hazardous Waste Collection Day                                                                      | \$2,000  | \$73,870 |

#### Education, Involvement, and Training

|                                                                         |               |      |
|-------------------------------------------------------------------------|---------------|------|
| Estimated number of residents reached by education program(s)           | (# or %)      | 25%  |
| Stormwater management committee established                             | (y/n)         | NO   |
| Stream teams established or supported                                   | (# or y/n)    | NO   |
| Shoreline clean-up participation or quantity of shoreline miles cleaned | (y/n or mi.)  | No   |
| Household Hazardous Waste Collection Days                               |               |      |
| ▪ days sponsored                                                        | (#)           | none |
| ▪ community participation                                               | (%)           | n/a  |
| ▪ material collected                                                    | (tons or gal) | n/a  |
| School curricula implemented                                            | (y/n)         | YES  |

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

## Legal/Regulatory

|                                                    |                         | In Place<br>Prior to<br>Phase II | Under<br>Review | Drafted | Adopted |
|----------------------------------------------------|-------------------------|----------------------------------|-----------------|---------|---------|
| Regulatory Mechanism Status (indicate with "X")    |                         |                                  |                 |         |         |
| ▪ Illicit Discharge Detection & Elimination        | Section 8A:Article 8:10 |                                  |                 |         | X       |
| ▪ Erosion & Sediment Control                       | Section 22A:11:17       |                                  |                 |         | X       |
| ▪ Post-Development Stormwater Management           |                         |                                  |                 |         | X       |
| Accompanying Regulation Status (indicate with "X") |                         |                                  |                 |         |         |
| ▪ Illicit Discharge Detection & Elimination        | Section 8A:Article 8:10 |                                  |                 |         | X       |
| ▪ Erosion & Sediment Control                       | Section 22A:11:17       |                                  |                 |         | X       |
| ▪ Post-Development Stormwater Management           | Section 22A:17          |                                  |                 |         | X       |

## Mapping and Illicit Discharges

|                                        |          |              |
|----------------------------------------|----------|--------------|
| Outfall mapping complete               | (%)      | None this yr |
| Estimated or actual number of outfalls | (#)      | Est 25       |
| System-Wide mapping complete           | (%)      |              |
| Mapping method(s)                      |          |              |
| ▪ Paper/Mylar                          | (%)      |              |
| ▪ CADD                                 | (%)      | Yes          |
| ▪ GIS                                  | (%)      | Yes          |
| Outfalls inspected/screened            | (# or %) | None this yr |

|                                                  |            |      |
|--------------------------------------------------|------------|------|
| Illicit discharges identified                    | (#)        | One  |
| Illicit connections removed                      | (# )       | None |
| % of population on sewer (~2500 parcels)         | (est. gpd) |      |
| % of population on septic systems (~750 parcels) | (%)        | 78%  |
|                                                  | (%)        | 22%  |
|                                                  |            |      |
|                                                  |            |      |

### Construction

|                                                                                                   |            |      |
|---------------------------------------------------------------------------------------------------|------------|------|
| Number of construction starts (>1-acre)                                                           | (#)        | 1    |
| Estimated percentage of construction starts adequately regulated for erosion and sediment control | (%)        | 100% |
| Site inspections completed                                                                        | (# or %)   | 23   |
| Tickets/Stop work orders issued                                                                   | (# or %)   | None |
| Fines collected                                                                                   | (# and \$) | None |
| Complaints/concerns received from public                                                          | (#)        | None |
|                                                                                                   |            |      |
|                                                                                                   |            |      |

### Post-Development Stormwater Management

|                                                                                                                          |          |               |
|--------------------------------------------------------------------------------------------------------------------------|----------|---------------|
| Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control | (%)      | 100%          |
| Site inspections completed                                                                                               | (# or %) | 20%           |
| Estimated volume of stormwater recharged                                                                                 | (gpy)    | Un-determined |
|                                                                                                                          |          |               |
|                                                                                                                          |          |               |

### Operations and Maintenance

|                                                                                           |            |      |
|-------------------------------------------------------------------------------------------|------------|------|
| Average frequency of catch basin cleaning (non-commercial/non-arterial streets)           | (times/yr) | Once |
| Average frequency of catch basin cleaning (commercial/arterial or other critical streets) | (times/yr) | Once |

|                                                                                                |             |              |
|------------------------------------------------------------------------------------------------|-------------|--------------|
| Total number of structures cleaned                                                             | (#)         | 228          |
| Storm drain cleaned                                                                            | (LF or mi.) | 50 lf        |
| Qty. of screenings/debris removed from storm sewer infrastructure                              | cyds        | 20           |
| Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.) |             | Used as fill |
| Cost of screenings disposal                                                                    | (\$)        | \$100        |
|                                                                                                |             |              |
|                                                                                                |             |              |

|                                                                                      |                |             |
|--------------------------------------------------------------------------------------|----------------|-------------|
| Average frequency of street sweeping (non-commercial/non-arterial streets)           | (times/yr)     | 8 months/yr |
| Average frequency of street sweeping (commercial/arterial or other critical streets) | (times/yr)     | 8 months/yr |
| Qty. of sand/debris collected by sweeping                                            | (lbs. or tons) | 10 tons     |
| Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)                | (location)     | PW Facility |
| Cost of sweepings disposal                                                           | (\$)           | \$500       |
| Vacuum street sweepers purchased/leased                                              | (#)            | One in 2009 |
| Vacuum street sweepers specified in contracts                                        | (y/n)          | No          |
|                                                                                      |                |             |
|                                                                                      |                |             |

|                                                                                        |             |                |
|----------------------------------------------------------------------------------------|-------------|----------------|
| Reduction in application on public land of: ("N/A" = never used; "100%" = elimination) |             |                |
| ▪ Fertilizers                                                                          | (lbs. or %) | None           |
| ▪ Herbicides                                                                           | (lbs. or %) | Contracted Out |
| ▪ Pesticides                                                                           | (lbs. or %) | Contracted Out |
|                                                                                        |             |                |
|                                                                                        |             |                |

| Anti-/De-Icing products and ratios                       | % NaCl              | 85% |
|----------------------------------------------------------|---------------------|-----|
|                                                          | % CaCl <sub>2</sub> |     |
|                                                          | % MgCl <sub>2</sub> |     |
|                                                          | % CMA               |     |
|                                                          | % Kac               |     |
|                                                          | % KCl               |     |
|                                                          | % Sand              |     |
|                                                          |                     | 15% |
| Pre-wetting techniques utilized                          | (y/n)               | NO  |
| Manual control spreaders used                            | (y/n)               | Yes |
| Automatic or Zero-velocity spreaders used                | (y/n)               | Yes |
| Estimated net reduction in typical year salt application | (lbs. or %)         |     |
| Salt pile(s) covered in storage shed(s)                  | (y/n)               | Yes |
| Storage shed(s) in design or under construction          | (y/n)               | n/a |
|                                                          |                     |     |
|                                                          |                     |     |