

MAY 11 2009

**Municipality/Organization:** City of Dover

**EPA NPDES Permit Number:** NHR041037

**MaDEP Transmittal Number:**

**Annual Report Number  
& Reporting Period:**

No. 6 March 08 – March 09

MAY - 5 2009

## NPDES PII Small MS4 General Permit Annual Report

### Part I. General Information

**Contact Person:** Dean Peschel

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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:** J. Michael Joyal

**Title:** City Manager

**Date:** April 30, 2009

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

The City of Dover continues to implement the identified tasks in its Stormwater Phase II NPDES minimum control Best Management Practices that Dover has continued to implement include:

- Dover has completed mapping the stormwater system which was initiated prior to the NPDES permit. The City updates the mapping as the system grows.
- The City held one Household Hazardous Waste Collection Day for Dover residents in September 2008. The event included the Towns of Rollinsford, Madbury, and Lee.
- Dover's recycling program includes weekly curbside pick up of recyclables as well the operation of a recycling center. The recycling center accepts many items including waste oil, white goods, tires, metal, C & D material, yard waste, monitors and other electronics, Freon containing appliances, used antifreeze and mercury containing items. The program aims to reduce waste to landfill and prevent the release of contaminants into the environment. Dover's recycling rate is 52% of the national average and is nationally recognized as a leader.
- The City Engineers review all subdivision and site plan applications before the Planning Board. Their review includes water plans to insure the site meets all standards during construction and upon completion of the project. The City is required to submit storm water O&M plans to insure long-term performance of storm water infrastructure. The Engineering inspection team continued its inspection of construction sites for temporary erosion control measures and the implementation of permanent stabilization and run off control measures.
- The City continued to promote and implement its pet-waste program. Pet waste stations were added at two locations in City parks where residents bring their dogs for exercise. The Dover Planning Department received grant funding for a dog park at Long Hill Park. The neighborhood has a high proportion of dog owners and the lack of sidewalks and roads will provide a safe place for pets and owners to exercise. The dog park will employ the bring a bag policy, similar to the carry in carry out concept for hikers.
- Funding for the catch basin cleaning program continued in the 2009 budget. The catch basin cleaning contract was renewed for 2008 and the City staff cleaned another 42 as the need presented itself. The FY 2010 budget includes consideration by the Dover City Council and includes funding triple the amount of previous years. The 2010 budget is enough to meet the proposed EPA General Permit requirement that every catch basin is cleaned at least once per period.

- The City of Dover hosts and is an active participant in the N.H. Seacoast Storm Water Coalition. The N.H. Seacoast Storm Water Coalition has accomplished much in the five years to further the goal of improved stormwater quality. Public awareness and training of staff common needs for all members has been very successful. The Coalition also provides a forum in which to share our individual program experiences both good and bad. The coalition is now considering using its numbers as an incentive to get better pricing on purchased goods and services that we all utilize.
- Two new direct illicit connections were discovered and removed during 2008. One was on Elm street and the other was on Maple Street. A third indirect connection was discovered on Grove Street where a leaking sewer service was finding its way into the storm drainage system. That sewer service was replaced. A fourth illicit connection as discovered on Washington Street at the Robbins auto property. This illicit connection is scheduled to be removed in the Spring of 2009.

New activities aimed to achieve improved stormwater program performance and water quality improvement include:

- The Planning Department and Engineering Division proposed amendments to Dover's Subdivision and Site Review regulations that strengthen stormwater requirements as required by the MS4 General Permit. The Planning Board following review and lengthy debate approved the amendments in June 2008. The new regulations strongly encourage the use of Low Impact Development techniques to address stormwater runoff. The amendments require all projects that propose to disturb an acre or more to submit plans to the Planning Board for review and approval. The amendments also give the City the authority to regulate projects that have less than an acre impact that are in close proximity of sensitive ecologic areas which could be potentially impacted.
- The City invited the NROC (Natural Resource Outreach Coalition) program to help Dover review its stormwater program and identify ways it could be improved. Two key areas were targeted for action through a series of meetings facilitated by the NROC team with numerous stakeholders. The stakeholders included a mix of Dover residents, City staff, Dover Board and Commission members, the Strafford County Regional Planning Commission, the NHDES and the Cocheco River Watershed Association members are participating in the project which is being facilitated by the NROC team. The two areas selected were encouraging the use of Low Impact Development techniques in development and redevelopment projects, and exploration in the establishment of a stormwater utility to provide a consistent adequate funding source to implement the City's stormwater program. Two presentations were prepared for targeted audiences. The first was geared to City staff to educate them on the two issues. The second presentation was aimed at the volunteer City Boards and Commissions and interested residents. This meeting was held in the evening and featured a pizza dinner. Both meetings were well attended and well received. They laid a firm foundation to move both issue forward.

- The City of Dover completed a DIMS (Does It Make Sense) analysis with NHDES to determine the threshold issues relating to the establishment of a stormwater utility. The City subsequently has applied to NHDES for grant funds to conduct a Feasibility Study to determine if establishment of a stormwater utility is a feasible alternative for the City of Dover to pursue. NHDES and the City are negotiating a contract for the project. In 2008 the NH Legislature passed important legislation which enables any NH community the option of creating a storm water utility to fund, operate and maintain its storm water system should the community's governing body vote to do so. The Bill was written and sponsored by Dover's Conservation Commission Chair and State Representative.
- The Berry Brook Watershed Assessment and Management Plan was finalized in 2008. To begin the implementation of the plan the city has applied for two implementation grants. The first is with NHDES for funds to encourage the adoption of LID techniques into the watershed. We hope to get residents to purchase and use at reduced cost rain barrels or rain gardens on their properties to collect and infiltrate stormwater which currently runs off. Berry Brook watershed is highly developed primarily with medium density residential properties. A second grant has been prepared to NOAA for a stream restoration grant. The City has partnered with the University of New Hampshire Stormwater Center on the grant. The UNH Stormwater Center team has extensive expertise and experience in designing and constructing stream restoration projects. The grant proposal is for more than a million dollars in funding which will go a long way to restore Berry Brook.
- An algae bloom of cyanobacteria at Willand Pond, which is located in Dover and Somersworth, has spurred much attention to water quality issues in both communities. Willand Pond, a kettle hole pond which was previously issued by the City of Dover for drinking water prior to 1950, has been a favorite recreation area for fishermen, picnickers, hikers and swimmers. The NHDES's limnologist attributes the rise in phosphorus levels primarily to the flooded condition of the pond and adjacent forest floor for the last two years as a result of excess precipitation and obstructions placed in wetlands that now blocks the pond's natural outlet. Other contributions of phosphorus include storm water runoff from recently constructed commercial parking lots in the watershed within the last few years. The cities of Dover and Somersworth, and NHDES together hired a consultant to study the problem and propose alternatives to correct the problems causing the algae blooms. The study is completed and a draft report issued. A preferred alternative to address the water level issue was identified as well as suggested stormwater treatment improvements for existing and future development sites. It is hoped that after review and finalization of the draft report funds can be secured to implement the water level control solution which is a main contributing factor to the phosphorus entering the pond

## 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 6 (Reliance on non-municipal partners indicated, if any)                                                                           | Planned Activities – Permit Year 7                                                                                           |
|------------|--------------------------------|------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| A1 Revised | Establish Pollution Hotline    | Dean Peschel<br>Community Services | Trained secretaries who receive calls                  | Received 1 phone complaints                                                                                                                                          | Continue to advertise existence of hotline in Community Notes and on City webpage                                            |
| A2 Revised | Community Cleanup              | Doug Steele<br>Community Services  | Hold 7 <sup>th</sup> & 8 <sup>th</sup> annual clean-up | Dover Main Street clean up, Kiwanis May 5, 2008                                                                                                                      | Hold 8 <sup>th</sup> Dover Pride clean-up day, April 25, 2009                                                                |
| A3 Revised | Educational Video              | Seacoast NH Stormwater Coalition   | Show on local access<br>Converted to DVD               | Video shown on numerous occasions during May 2008                                                                                                                    | Show video on local access TV.                                                                                               |
| A4 Revised | Publish Stormwater information | Community Services                 | Published articles                                     | Published several items relating to the program in Community Notes Fall 07<br>Made several public presentations regarding stormwater, and subsequent press coverage. | Continue to place items in Community Notes and local newspapers. Hold meetings to educate public on stormwater utility issue |
| A5 Revised | Pet Waste and Storm Water      | Dean Peschel<br>NHDES              | Lower bacteria levels in unnamed brook                 | Added new pet waste stations and planning a dog park                                                                                                                 | Continue to educate the public about pet waste storm water impacts and proper behavior                                       |
| A6 Revised | Assist School in SW education  | Community Services and volunteers  | Make presentations in classroom                        | No school presentations in 2008                                                                                                                                      | Make additional presentations to Dover Schools                                                                               |

### 1a. Additions

|    |                            |                    |                                      |                                                                                                   |                                                     |
|----|----------------------------|--------------------|--------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| A7 | Berry Brook Watershed Plan | Community Services | Improve water quality in Berry Brook | Finalized Berry Brook Watershed Plan and applied for two grants to implement plan recommendations | Accept grant awards and begin implementing the plan |
|----|----------------------------|--------------------|--------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------|

## 2. Public Involvement and Participation

| BMP ID #      | BMP Description                                      | Responsible Dept./Person Name | Measurable Goal(s)                                                                                   | Progress on Goal(s) – Permit Year 6<br>(Reliance on non-municipal partners indicated, if any)                     | Planned Activities – Permit Year 7                                                                                |
|---------------|------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| B1<br>Revised | Storm Stencil                                        | Community Services            | Number completed 3 events                                                                            | No stenciling in 2008                                                                                             |                                                                                                                   |
| B2<br>Revised | Sample outfall and other structures                  | Community Services            | Sampled Great Bay Watch sampled and analyzed storm water outfalls and structures with DPW assistance | Approached Great Bay Watch Stewards re sampling. Awaiting invitation to the strategic plan meeting                |                                                                                                                   |
| B3<br>Revised | Update Ordinances                                    | Planning Steve Bird           | Ordinance facilitate compliance of NPDES regulations                                                 | Planning Board adopted proposed stormwater amendments to the subdivision and site review regulations in June 2008 |                                                                                                                   |
| B4<br>Revised | Establish Citizen Hotline                            | Community Services            | Number of calls 2                                                                                    | Same as A1                                                                                                        | Continue to promote existence of hotline on website and in Community Notes                                        |
| B5<br>Revised | Pet Waste Pilot Project                              | Dean Peschel NHDES            | Lower bacteria in surface water                                                                      | Same as A5                                                                                                        | Continue to implement City wide pet waste program. Install new pet waste stations at parks with high dog activity |
| B6<br>Revised | Berry Brook Watershed Assessment and Management Plan | City of Dover UNH NHDES       | Improved habitat and water quality                                                                   | Finalized plan incorporating public comments. Applied for implementation funds.                                   | Implement a LID program for the neighborhood using rain barrels, rain gardens and dry wells                       |

## 2a. Additions

|    |                               |          |                                                    |                                                  |                                                                                     |
|----|-------------------------------|----------|----------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------|
| B7 | Willand Pond                  | Planning | Water quality improvement                          | Draft Management Plan completed                  | Finalize plan, design and permit solutions, find funds to implement recommendations |
| B8 | Add LID to zoning regulations | Planning | Better storm water management at development sites | Adopted LID language in ordinances and standards | Begin implementing                                                                  |

### 3. Illicit Discharge Detection and Elimination

| BMP ID #      | BMP Description                     | Responsible Dept./Person Name   | Measurable Goal(s)                               | Progress on Goal(s) – Permit Year 6 (Reliance on non-municipal partners indicated, if any)                                                                                  | Planned Activities – Permit Year 7                                                                                         |
|---------------|-------------------------------------|---------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| C1<br>Revised | Storm water System Mapping          | Community Services              | Have completed map of system and keep maintained | Continue collection of infrastructure condition for storm drain system. Update system map as system grows and is repaired.                                                  | Continue collection of infrastructure condition for storm drain system. Update system map as system grows and is repaired. |
| C2<br>Revised | Establish Illicit Discharge Program | Community Services              | Establish Program and Implement                  | Removed 3 illicit sewer connections and tied to sanitary sewer<br>Performed detection work in Berry Brook watershed and Washington St area. Identified 1 illicit connection | Continue to look for illicit connections and remediate. Remediate the discovered illicit connection on Washington St       |
| C3<br>Revised | Catch Basin Stenciling              | Community Services              | Same as B1                                       | Same as B1                                                                                                                                                                  | Same as B1                                                                                                                 |
| C4<br>Revised | Update City Ordinance               | Community Services and Planning | Same as B3                                       | Same as B3                                                                                                                                                                  | Same as B3                                                                                                                 |
| C5<br>Revised | Secure Funding                      | Community Services              | Find funding for programs                        | Finalized Watershed plan for Berry Brook. Applied for implementation funding of plan. Applied for grant funds to implement plan                                             | Begin implementing of Berry Brook Watershed Plan.                                                                          |
| Revised       |                                     |                                 |                                                  |                                                                                                                                                                             |                                                                                                                            |

### 3a. Additions

|    |                                                                                 |                    |                                  |                                                          |                                                                        |
|----|---------------------------------------------------------------------------------|--------------------|----------------------------------|----------------------------------------------------------|------------------------------------------------------------------------|
| C6 | Participation in Seacoast Storm Water Coalition – development of NH IDDE Manual | Community Services | Distribution of published manual | Continued participation in Seacoast Stormwater Coalition | Continue participation in Seacoast Stormwater Coalition                |
| C7 | Include Berry Brook watershed as priority area in IDDE plan                     | Community Services | Remove bacterial sources         | Discovered and removed two illicit discharges            | Continue to identify sources and remove Target pet owners in watershed |

#### 4. Construction Site Stormwater Runoff Control

| BMP ID #      | BMP Description                            | Responsible Dept./Person Name            | Measurable Goal(s)                                | Progress on Goal(s) – Permit Year 6<br>(Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 7                                         |
|---------------|--------------------------------------------|------------------------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| D1<br>Revised | Review and Update Ordinances               | Community Services and Planning          | Have legal authority to enforce Phase II          | Same as B3                                                                                    | Same as B3                                                                 |
| D2<br>Revised | Develop Inspection Program                 | Community Services and Planning          | Site inspections to ensure compliance of Phase II | Engineering inspector inspects all sites for erosion control daily, weekly                    | Continue inspection program.                                               |
| D3<br>Revised | Direct Contractors to Educations Materials | Community Services                       | Better compliance of BMP's                        | Engineering provides to developers and site contractors at pre-construction conference.       | Continue to educate community.                                             |
| D4<br>Revised | Provide City Staff Training                | Community Services<br>Seacoast Coalition | Have educated workforce                           | Held training on Good Housekeeping at Dover DPW utilizing new manual                          | Continue sending staff to educational opportunities regarding storm water. |
| Revised       |                                            |                                          |                                                   |                                                                                               |                                                                            |
| Revised       |                                            |                                          |                                                   |                                                                                               |                                                                            |

#### 4a. Additions

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

## 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 6<br>(Reliance on non-municipal partners indicated, if any)                                | Planned Activities – Permit Year 7                                 |
|---------------|-----------------------------------------------------|---------------------------------|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| E1<br>Revised | Review and Update Ordinances                        | Community Services and Planning | Have City Ordinances that comply with Phase II requirements | Adopted proposed ordinance revisions in June 2008                                                                            |                                                                    |
| E2<br>Revised | Develop and Implement O & M Plans for Private Sites | Community Services and Planning | Design and implement program which tracks maintenance       | All approved site plans required to submit O & M plans to City and report annually to the City. Incorporate tracking system. | Continue to require O & M plans at new sites and track compliance. |
| E3<br>Revised | Implement Inspection Program                        | Community Services              | Insure BMP are constructed to plan                          | The Engineering Technician inspects all sites for proper installation of BMP prior to issuance of Certificate of Occupancy   | Continue to inspect sites.                                         |
| E4<br>Revised | Review and Update BMP List                          | Community Services              | Maintain BMP list                                           | Challenge design engineers to prepare effective stormwater system designs using appropriate BMP's                            | Continue.                                                          |
| Revised       |                                                     |                                 |                                                             |                                                                                                                              |                                                                    |
| Revised       |                                                     |                                 |                                                             |                                                                                                                              |                                                                    |

### 5a. Additions

|    |               |          |                          |                                                                                                |                                                 |
|----|---------------|----------|--------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------|
| E5 | Encourage LID | Planning | Improve site development | Made 2 presentations which highlighted LID as a desired outcome in future development projects | Educate and develop LID ordinances for adoption |
|    |               |          |                          |                                                                                                |                                                 |

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

| BMP ID #      | BMP Description                        | Responsible Dept./Person Name                        | Measurable Goal(s)                                    | Progress on Goal(s) – Permit Year 6<br>(Reliance on non-municipal partners indicated, if any)                                                                                                                | Planned Activities – Permit Year 7                                                                                            |
|---------------|----------------------------------------|------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| F1<br>Revised | Create Storm Drain Inspection          | Community Services                                   | Have a record of system conditions                    | Continue to develop system and begin field data collection and input to software                                                                                                                             |                                                                                                                               |
| F2<br>Revised | Implement Inspection Program           | Community Services                                   | Collect data useful for prioritization of maintenance | Continued inspections while cleaning catch basins 497 basins cleaned and inspected in 2008                                                                                                                   | Continue inspections while cleaning catch basins 1450 basins                                                                  |
| F3<br>Revised | Create Street Sweeping Plan            | Community Services                                   | Cleaner storm system                                  | Continued street sweeping program.                                                                                                                                                                           | Continue street sweeping program.                                                                                             |
| F4<br>Revised | Implement Catch Basin Cleaning Program | Community Services                                   | Clean every catch basin once every 4 years            | Contracted catch basin cleaning. Completed cleaning of 497 basins.                                                                                                                                           | Will contract out catch basin cleaning if successful in receiving funds in FY 2010 budget. 1450 basins projected for cleaning |
| F5<br>Revised | Establishment of Stormwater Utility    | Community Services<br>Seacoast storm water Coalition | Reliable funding source for stormwater system         | Bill in NH Legislature to enable communities in NH to establish storm water utilities passed. City completed DIMS study and applied and was awarded grant to conduct a stormwater utility feasibility study. | Conduct feasibility study to consider possible development of a Storm Water Utility.                                          |
|               |                                        |                                                      |                                                       |                                                                                                                                                                                                              |                                                                                                                               |
|               |                                        |                                                      |                                                       |                                                                                                                                                                                                              |                                                                                                                               |

### 6a. Additions

|    |                                                                        |                                |                                                                     |                                                                                         |                            |
|----|------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------|
| F6 | Explore use of salt brine                                              | Community Services             | Reduce amount of salt and sand used                                 | Have established conditions in which salt brine is effective                            | Continue use of salt brine |
| F7 | Provide DPW staff training for Pollution Prevention/good house keeping | Seacoast Storm Water Coalition | Improve staff understanding and performance of pollution prevention | Provided DPW staff training using NH manual developed by Seacoast Storm Water Coalition |                            |

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

| BMP ID # | BMP Description | Responsible Dept./Person Name | Measurable Goal(s) | Progress on Goal(s) – Permit Year 2<br>(Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 3 |
|----------|-----------------|-------------------------------|--------------------|-----------------------------------------------------------------------------------------------|------------------------------------|
| Revised  |                 |                               |                    |                                                                                               |                                    |
| Revised  |                 |                               |                    |                                                                                               |                                    |
| Revised  |                 |                               |                    |                                                                                               |                                    |
| Revised  |                 |                               |                    |                                                                                               |                                    |
| Revised  |                 |                               |                    |                                                                                               |                                    |
| Revised  |                 |                               |                    |                                                                                               |                                    |

7a. Additions

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

7b. WLA Assessment

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

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

**Programmatic**

|                                                |                          |       |           |
|------------------------------------------------|--------------------------|-------|-----------|
| Stormwater management position created/staffed | Used paid college intern | (y/n) | No        |
| Annual program budget/expenditures             |                          | (\$)  | \$250,000 |
|                                                |                          |       |           |
|                                                |                          |       |           |

**Education, Involvement, and Training**

|                                                                         |                     |               |          |
|-------------------------------------------------------------------------|---------------------|---------------|----------|
| Estimated number of residents reached by education program(s)           |                     | (# or %)      | 100%     |
| Stormwater management committee established                             |                     | (y/n)         | No       |
| Stream teams established or supported                                   |                     | (# or y/n)    | 2        |
| Shoreline clean-up participation or quantity of shoreline miles cleaned |                     | (y/n or mi.)  | Yes      |
| Household Hazardous Waste Collection Days                               |                     |               |          |
| ▪ days sponsored                                                        |                     | (#)           | 1        |
| ▪ community participation                                               | Dover, Madbury, Lee | (%)           | 161      |
| ▪ material collected                                                    |                     | (tons or gal) | 1440 gal |
| School curricula implemented                                            |                     | (y/n)         | No       |
|                                                                         |                     |               |          |
|                                                                         |                     |               |          |

## Legal/Regulatory

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

## Mapping and Illicit Discharges

|                                        |  |            |  |     |
|----------------------------------------|--|------------|--|-----|
| Outfall mapping complete               |  | (%)        |  | 100 |
| Estimated or actual number of outfalls |  | (#)        |  | 210 |
| System-Wide mapping complete           |  | (%)        |  | 100 |
| Mapping method(s)                      |  |            |  |     |
| ▪ Paper/Mylar                          |  | (%)        |  |     |
| ▪ CADD                                 |  | (%)        |  |     |
| ▪ GIS                                  |  | (%)        |  | 100 |
| Outfalls inspected/screened            |  | (# or %)   |  |     |
| Illicit discharges identified          |  | (#)        |  | 4   |
| Illicit connections removed            |  | (#)        |  | 3   |
|                                        |  | (est. gpd) |  |     |
| % of population on sewer               |  | (%)        |  | 75  |
| % of population on septic systems      |  | (%)        |  | 25  |
|                                        |  |            |  |     |
|                                        |  |            |  |     |

## Construction

|                                                                                                   |            |       |
|---------------------------------------------------------------------------------------------------|------------|-------|
| Number of construction starts (>1-acre)                                                           | (#)        | 6     |
| Estimated percentage of construction starts adequately regulated for erosion and sediment control | (%)        | 100   |
| Site inspections completed                                                                        | (# or %)   | 100 % |
| Tickets/Stop work orders issued/Building Permits Withheld/Occupancy Permits Held                  | (# or %)   | 2     |
| Fines collected                                                                                   | (# and \$) | N/A   |
| Complaints/concerns received from public                                                          | (#)        | 0     |
|                                                                                                   |            |       |
|                                                                                                   |            |       |

## Post-Development Stormwater Management

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

## Operations and Maintenance

|                                                                                                |                |          |
|------------------------------------------------------------------------------------------------|----------------|----------|
| Average frequency of catch basin cleaning (non-commercial/non-arterial streets)                | (times/yr)     | .25      |
| Average frequency of catch basin cleaning (commercial/arterial or other critical streets)      | (times/yr)     | .25      |
| Total number of structures cleaned                                                             | (#)            | 497      |
| Storm drain cleaned                                                                            | (LF or mi.)    | 0        |
| Qty. of screenings/debris removed from storm sewer infrastructure                              | (lbs. or tons) | 750 tons |
| Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.) |                | Landfill |
| Cost of screenings disposal                                                                    | (\$)           | \$4,000  |
|                                                                                                |                |          |
|                                                                                                |                |          |

|                                                                            |            |             |
|----------------------------------------------------------------------------|------------|-------------|
| Average frequency of street sweeping (non-commercial/non-arterial streets) | (times/yr) | Once/Spring |
|----------------------------------------------------------------------------|------------|-------------|

|                                                                                      |                |        |
|--------------------------------------------------------------------------------------|----------------|--------|
| Average frequency of street sweeping (commercial/arterial or other critical streets) | (times/yr)     | Weekly |
| Qty. of sand/debris collected by sweeping                                            | (lbs. or tons) |        |
| Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)                | (location)     | Reuse  |
| Cost of sweepings disposal                                                           | (\$)           |        |
| Vacuum street sweepers purchased/leased                                              | (#)            | 0      |
| Vacuum street sweepers specified in contracts                                        | (y/n)          |        |
|                                                                                      |                |        |
|                                                                                      |                |        |

|                                                                                        |             |  |
|----------------------------------------------------------------------------------------|-------------|--|
| Reduction in application on public land of: ("N/A" = never used; "100%" = elimination) |             |  |
| ▪ Fertilizers                                                                          | (lbs. or %) |  |
| ▪ Herbicides                                                                           | (lbs. or %) |  |
| ▪ Pesticides                                                                           | (lbs. or %) |  |
|                                                                                        |             |  |
|                                                                                        |             |  |

|                                                          |                                                                                           |     |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------|-----|
| Anti-/De-Icing products and ratios                       | % NaCl<br>% CaCl <sub>2</sub><br>% MgCl <sub>2</sub><br>% CMA<br>% Kac<br>% KCl<br>% Sand |     |
| Pre-wetting techniques utilized                          | (y/n)                                                                                     | Yes |
| Manual control spreaders used                            | (y/n)                                                                                     | No  |
| 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)                                                                                     |     |
|                                                          |                                                                                           |     |
|                                                          |                                                                                           |     |