

**Municipality/Organization:** Somersworth, NH

**EPA NPDES Permit Number:** NHR041034

**MaDEP Transmittal Number:** W-

**Annual Report Number**

**& Reporting Period:** No. 3: March 2005-March 2006

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JUN 10 2006

## NPDES PII Small MS4 General Permit Annual Report

JUN 13 2006

### Part I. General Information

**Contact Person:** David Foster **Title:** City Engineer

**Telephone #:** 603-692-9524 **Email:** dfoster@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:**

**Title:** PUBLIC WORK DIRECTOR

**Date:**

JUN 8, 2006

## **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

| <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 3<br/>(Reliance on non-municipal partners indicated, if any)</b>                                                                                                                                                      | <b>Planned Activities – Permit Year 4</b>                                                                       |
|---------------------|---------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>1</b><br>Revised | Complete & show movie "There is No Away"<br>(Our SWPPP schedules this BMP for years 1 - 5). | Engineering/<br>David Foster         | Number of showings          | - "There is No Away" and "After the Storm: A Citizen's Video Guide to Understanding Stormwater" were both shown on our Cable TV station 144 times each in the spring of 2005.<br>- Somersworth Middle School is also showing the movie "There is No Away". | - Continue showing on Cable TV station.<br>- Continue outreach to schools to use the movie in their curriculum. |
| <b>2</b><br>Revised | Develop educational resources.<br>(Our SWPPP schedules this BMP for years 2 - 5).           | Engineering/<br>David Foster         | Variety/number of handouts. | SWPPP Principal Contact has: attended & participated in a number of seminars, meetings, and trade shows; gathered a number of samples of educational literature.                                                                                           | Continue attending, participating, and gathering.                                                               |
| <b>3</b><br>Revised | Articles in newsletter/website.<br>(Our SWPPP schedules this BMP for years 1 - 5).          | Engineering/<br>David Foster         | Number of articles.         | Articles appeared in every quarter of our quarterly newsletter. Newsletter is also on our website. Full SWPPP has been added to our website.                                                                                                               | - Continue articles in newsletter/website.<br>- Add Annual Report to website.                                   |
| <b>4</b><br>Revised | Classroom education on Stormwater.<br>(Our SWPPP schedules this BMP for years 1 - 5).       | Engineering/<br>David Foster         | Number of students.         | This continues to be part of the Middle School curriculum.                                                                                                                                                                                                 | Continue outreach to schools.                                                                                   |
| <b>5</b><br>Revised | Pet Waste Management<br>(Our SWPPP schedules this BMP for years 2 - 5).                     | Engineering/<br>David Foster         | Number of dog licenses.     | Educational flyer has been finalized for distribution to the Public through the City Clerk's office.                                                                                                                                                       | Distribute flyers through the City Clerk's office.                                                              |

**1a. Additions**

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## 2. Public Involvement and Participation

| BMP ID #     | BMP Description                                                                 | Responsible Dept./Person Name | Measurable Goal(s)      | Progress on Goal(s) – Permit Year 3<br>(Reliance on non-municipal partners indicated, if any)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Planned Activities – Permit Year 4                                                                                                                                                                                                         |
|--------------|---------------------------------------------------------------------------------|-------------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6<br>Revised | Community cleanups<br><br>(Our SWPPP schedules this BMP for years 1 - 5).       | Engineering/<br>David Foster  | Number of participants. | <ul style="list-style-type: none"> <li>- Our 2005 Downtown Enhancement Day picked up trash in the Downtown area.</li> <li>- The TRENDS (Teens Reaching Exciting New Dimensions) volunteers also performed cleanup on our trail system around Willand Pond and Stackpole Pond.</li> <li>- City Year volunteers picked up trash in the Union Street area and cleaned drainage ditch from Memorial St. to West High St.</li> <li>- Strafford County volunteers picked up trash in our parks and downtown.</li> <li>- TRENDS volunteers continued water quality monitoring.</li> </ul> | <ul style="list-style-type: none"> <li>- Downtown Enhancement Day is an annual event.</li> <li>- Continue the TRENDS Water Quality Monitoring program.</li> <li>- Continue using volunteer organizations for community cleanup.</li> </ul> |
| 7<br>Revised | Storm Drain stenciling<br><br>(Our SWPPP schedules this BMP for years 1 and 4). | Engineering/<br>David Foster  | Number of participants. | City Year volunteers stenciled catch basins in the Union Street area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Seek volunteers to continue our stencil program.                                                                                                                                                                                           |

### 2a. Additions

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### 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 3<br/>(Reliance on non-municipal partners indicated, if any)</b>                                                                                                                                                                                                                                                                                           | <b>Planned Activities – Permit Year 4</b>                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------|--------------------------------------------------------------------------------------|--------------------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>8</b><br>Revised  | Sewer System Map<br>(Our SWPPP schedules this BMP for years 1 - 5).                  | Engineering/<br>David Foster         | % Complete                  | Sewer System Map is done.                                                                                                                                                                                                                                                                                                                                                                       | Update the map on a continuous basis as new infrastructure is added to the system.                                                                                                                                                                                                                                                                                                                                                           |
| <b>9</b><br>Revised  | Remove known illicit connections.<br>(Our SWPPP schedules this BMP for years 1 - 5). | Engineering/<br>David Foster         | Number removed              | We removed two homes from the storm sewer system and connected them to the sanitary sewer system.                                                                                                                                                                                                                                                                                               | Secure grant funding to continue searching for and removing illicit discharges.                                                                                                                                                                                                                                                                                                                                                              |
| <b>10</b><br>Revised | Information Management System<br>(Our SWPPP schedules this BMP for year 5).          | Public Works/John Jackman            | Number of outfalls screened | "VueWorks" Asset Management software has been installed and is operational. We've made progress with water, sewer, and drainage assets.                                                                                                                                                                                                                                                         | Begin staff training for work orders to manage drainage system.                                                                                                                                                                                                                                                                                                                                                                              |
| <b>11</b><br>Revised | Review City Ordinances<br>(Our SWPPP schedules this BMP for years 2 & 3).            | Engineering/<br>David Foster         | Number of changes/additions | <ul style="list-style-type: none"> <li>- New persons hired into the City Planner and Fire Chief positions. Planner has good background in Stormwater. Fire Chief was the Stormwater Manager for another MS4 community.</li> <li>- Our Consultant – SEA – has also hired a new person with outstanding stormwater experience. He will review Drainage Reports on all new development.</li> </ul> | <ul style="list-style-type: none"> <li>- Continued observation of other municipality's efforts and obtaining sample ordinances.</li> <li>- I've spoken to the new personnel in the Planner and Fire Chief positions and they're willing to serve on our Stormwater team.</li> <li>- Formalize a Stormwater team.</li> <li>- Work with the Planning Department and new Stormwater team to begin review and revision of Ordinances.</li> </ul> |

### 3a. Additions

|  |                                                                      |                              |  |                                                                                                                                               |                                                                                                                                                                                                                            |
|--|----------------------------------------------------------------------|------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Develop Guidelines<br>and Standard<br>Operating<br>Procedures Manual | Engineering/<br>David Foster |  | Seacoast Stormwater Coalition has<br>secured funding for and began<br>development of a manual for use<br>by New Hampshire MS4<br>communities. | - Completion date is 12/31/06.<br>- Next year we propose to follow<br>up this initiative with<br>development of materials and<br>curriculum and begin staff<br>training on Illicit Discharge<br>Detection and Elimination. |
|  |                                                                      |                              |  |                                                                                                                                               |                                                                                                                                                                                                                            |

#### 4. Construction Site Stormwater Runoff Control

| BMP ID #      | BMP Description                                                           | Responsible Dept./Person Name | Measurable Goal(s)          | Progress on Goal(s) – Permit Year 3<br>(Reliance on non-municipal partners indicated, if any)                                                                                                                                                                                                                                                                                                   | Planned Activities – Permit Year 4                                                                                                                                                                                                                                                                                          |
|---------------|---------------------------------------------------------------------------|-------------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11<br>Revised | Review City Ordinances<br>(Our SWPPP schedules this BMP for years 1 & 2). | Engineering/<br>David Foster  | Number of changes/additions | <ul style="list-style-type: none"> <li>- New persons hired into the City Planner and Fire Chief positions. Planner has good background in Stormwater. Fire Chief was the Stormwater Manager for another MS4 community.</li> <li>- Our Consultant – SEA – has also hired a new person with outstanding stormwater experience. He will review Drainage Reports on all new development.</li> </ul> | <ul style="list-style-type: none"> <li>- Continued observation of other municipality's efforts and obtaining sample ordinances.</li> <li>- I've spoken to the new personnel in the Planner and Fire Chief positions and they're willing to serve on our Stormwater team.</li> <li>- Formalize a Stormwater team.</li> </ul> |
| 12<br>Revised | Employee training<br>(Our SWPPP schedules this BMP for years 1 - 5).      | Public Works/John Jackman     | Number trained              | Two personnel attended training through the UNH Technology Transfer Center.                                                                                                                                                                                                                                                                                                                     | Send the new City Planner and the new Code Enforcement Officer to training through the UNH Technology Transfer Center.                                                                                                                                                                                                      |
| 13<br>Revised | Begin inspection program<br>(Our SWPPP schedules this BMP in year 3).     | Public Works/John Jackman     | Number of inspections       | <ul style="list-style-type: none"> <li>- Continue inspecting our own work.</li> <li>- Our Consultant inspects all new projects that went through the Planning Board process.</li> <li>- One of the persons trained last year is in Code Enforcement. He will inspect smaller projects when he visits the site.</li> </ul>                                                                       | Continue current procedures. When the second person in Code Enforcement receives training, we'll work towards complete monitoring.                                                                                                                                                                                          |
| 14<br>Revised | Maximum compliance<br>(Our SWPPP schedules this BMP for year 5).          | Public Works/John Jackman     | Number of inspections       |                                                                                                                                                                                                                                                                                                                                                                                                 | With Consultant inspection and staff training we are moving closer to full compliance.                                                                                                                                                                                                                                      |

**4a. Additions**

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## 5. Post-Construction Stormwater Management in New Development and Redevelopment

| BMP ID #      | BMP Description                                                                  | Responsible Dept./Person Name | Measurable Goal(s)   | Progress on Goal(s) – Permit Year 3<br>(Reliance on non-municipal partners indicated, if any)                                                                                           | Planned Activities – Permit Year 4                                                      |
|---------------|----------------------------------------------------------------------------------|-------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 16<br>Revised | Identification of BMP's.<br>(Our SWPPP schedules this BMP for years 3 - 5).      | Engineering/<br>David Foster  | Number of BMP's      | Observed the efforts of other municipalities through attendance at several stormwater seminars given in this region.                                                                    | Continued observation of other municipality's efforts and obtaining sample ordinances.  |
| 17<br>Revised | Post Construction Maintenance<br>(Our SWPPP schedules this BMP for years 1 - 5). | Engineering/<br>David Foster  | Number of facilities | At the Planning Board stage we require a Stormwater Management, Maintenance, & Inspection Plan to be submitted and approved. For the year 2005-06 we received SMMIP's for all projects. | Continue with current practice. New format for the SMMIP is under review by City staff. |
| Revised       |                                                                                  |                               |                      |                                                                                                                                                                                         |                                                                                         |

### 5a. Additions

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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 3<br/>(Reliance on non-municipal partners indicated, if any)</b>                                                   | <b>Planned Activities – Permit Year 4</b>                                                                                                                         |
|-----------------|-------------------------------------------------|--------------------------------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>18</b>       | <b>Vehicle washings</b>                         | <b>Public Works/John Jackman</b>     | <b>Employees trained</b>  | <b>Established new procedures for vehicle washings and trained Public Works staff on them.</b>                                                          | <b>Continue training as needed.</b>                                                                                                                               |
| Revised         | (Our SWPPP schedules this BMP for year 1)       |                                      |                           |                                                                                                                                                         |                                                                                                                                                                   |
| <b>19</b>       | <b>Street cleaning</b>                          | <b>Public Works/John Jackman</b>     | <b>Man-hours</b>          | <b>- 827 hours spent sweeping streets.</b>                                                                                                              | <b>Continue street sweeping</b>                                                                                                                                   |
| Revised         | (Our SWPPP schedules this BMP for years 1 - 5). |                                      |                           |                                                                                                                                                         |                                                                                                                                                                   |
| <b>20</b>       | <b>Train employees</b>                          | <b>Public Works/John Jackman</b>     | <b>Employees trained</b>  | <b>Informal training provided as needed for various SWPPP activities, such as silt fence installation &amp; vehicle washings. See Additions, below.</b> | <b>Move forward with other entities to develop more formal training program on Stormwater activities. See Additions, below.</b>                                   |
| Revised         | (Our SWPPP schedules this BMP for years 1 – 5). |                                      |                           |                                                                                                                                                         |                                                                                                                                                                   |
| <b>21</b>       | <b>Storm drain system cleaning</b>              | <b>Public Works/John Jackman</b>     | <b>Man-hours</b>          | <b>- 168 hours spent cleaning Storm drain system.</b>                                                                                                   | <b>Continue storm drain system cleaning.</b>                                                                                                                      |
| Revised         | (Our SWPPP schedules this BMP for years 1 – 5). |                                      |                           |                                                                                                                                                         |                                                                                                                                                                   |
| <b>22</b>       | <b>Spill response &amp; prevention</b>          | <b>Public Works/John Jackman</b>     | <b>Employees trained</b>  | <b>(Our SWPPP schedules this BMP for years 3 &amp; 4).</b>                                                                                              | <b>(Our SWPPP schedules this BMP for years 3 &amp; 4). See Additions, below. This is one of the SOP's under development by the Seacoast Stormwater Coalition.</b> |
| Revised         | (Our SWPPP schedules this BMP for years 3 & 4). |                                      |                           |                                                                                                                                                         |                                                                                                                                                                   |
| Revised         |                                                 |                                      |                           |                                                                                                                                                         |                                                                                                                                                                   |

## 6a. Additions

|  |                                                             |                              |  |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                  |
|--|-------------------------------------------------------------|------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Develop Guidelines and Standard Operating Procedures Manual | Engineering/<br>David Foster |  | Seacoast Stormwater Coalition has secured funding for and began development of a manual for use by New Hampshire MS4 communities to address Illicit Discharge Detection & Elimination and Pollution Prevention/Good Housekeeping. | <ul style="list-style-type: none"><li>- Completion date is 12/31/06.</li><li>- Next year we propose to follow up this initiative with development of materials and curriculum and begin staff training on Illicit Discharge Detection and Elimination.</li></ul> |
|--|-------------------------------------------------------------|------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**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 3<br>(Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 4 |
|----------|-----------------|-------------------------------|--------------------|-----------------------------------------------------------------------------------------------|------------------------------------|
| Revised  |                 |                               |                    |                                                                                               |                                    |
| Revised  |                 |                               |                    |                                                                                               |                                    |
| Revised  |                 |                               |                    |                                                                                               |                                    |
| Revised  |                 |                               |                    |                                                                                               |                                    |
| Revised  |                 |                               |                    |                                                                                               |                                    |
| Revised  |                 |                               |                    |                                                                                               |                                    |
| Revised  |                 |                               |                    |                                                                                               |                                    |

**7a. Additions**

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**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) |  |
| Annual program budget/expenditures             | (\$)  |  |
|                                                |       |  |
|                                                |       |  |

##### Education, Involvement, and Training

|                                                                         |               |  |
|-------------------------------------------------------------------------|---------------|--|
| Estimated number of residents reached by education program(s)           | (# or %)      |  |
| Stormwater management committee established                             | (y/n)         |  |
| Stream teams established or supported                                   | (# or y/n)    |  |
| Shoreline clean-up participation or quantity of shoreline miles cleaned | (y/n or mi.)  |  |
| Household Hazardous Waste Collection Days                               |               |  |
| ▪ days sponsored                                                        | (#)           |  |
| ▪ community participation                                               | (%)           |  |
| ▪ material collected                                                    | (tons or gal) |  |
| School curricula implemented                                            | (y/n)         |  |

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## 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        |                                  |                 |         |         |
| ▪ Erosion & Sediment Control                       |                                  |                 |         |         |
| ▪ Post-Development Stormwater Management           |                                  |                 |         |         |
| Accompanying Regulation Status (indicate with "X") |                                  |                 |         |         |
| ▪ Illicit Discharge Detection & Elimination        |                                  |                 |         |         |
| ▪ Erosion & Sediment Control                       |                                  |                 |         |         |
| ▪ Post-Development Stormwater Management           |                                  |                 |         |         |

## Mapping and Illicit Discharges

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

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### Construction

|                                                                                                   |            |  |
|---------------------------------------------------------------------------------------------------|------------|--|
| Number of construction starts (>1-acre)                                                           | (#)        |  |
| Estimated percentage of construction starts adequately regulated for erosion and sediment control | (%)        |  |
| Site inspections completed                                                                        | (# or %)   |  |
| Tickets/Stop work orders issued                                                                   | (# or %)   |  |
| Fines collected                                                                                   | (# and \$) |  |
| Complaints/concerns received from public                                                          | (#)        |  |
|                                                                                                   |            |  |
|                                                                                                   |            |  |

### Post-Development Stormwater Management

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

### Operations and Maintenance

|                                                                                           |                |  |
|-------------------------------------------------------------------------------------------|----------------|--|
| Average frequency of catch basin cleaning (non-commercial/non-arterial streets)           | (times/yr)     |  |
| Average frequency of catch basin cleaning (commercial/arterial or other critical streets) | (times/yr)     |  |
| Total number of structures cleaned                                                        | (#)            |  |
| Storm drain cleaned                                                                       | (LF or mi.)    |  |
| Qty. of screenings/debris removed from storm sewer infrastructure                         | (lbs. or tons) |  |

|                                                                                                |      |  |
|------------------------------------------------------------------------------------------------|------|--|
| Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.) |      |  |
| Cost of screenings disposal                                                                    | (\$) |  |
|                                                                                                |      |  |
|                                                                                                |      |  |

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

|                                                          |             |  |
|----------------------------------------------------------|-------------|--|
| Automatic or Zero-velocity spreaders used                | (y/n)       |  |
| Estimated net reduction in typical year salt application | (lbs. or %) |  |
| Salt pile(s) covered in storage shed(s)                  | (y/n)       |  |
| Storage shed(s) in design or under construction          | (y/n)       |  |
|                                                          |             |  |
|                                                          |             |  |