

Municipality/Organization: City of Holyoke

EPA NPDES Permit Number: MAR 041011

MaDEP Transmittal Number: W-036404

Annual Report Number  
& Reporting Period:

No. 14: May 1, 2016 – April 30, 2017



## NPDES PII Small MS4 General Permit Annual Report

### Part I. General Information

Contact Person: Michael McManus

Title: General Superintendent

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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:

A handwritten signature in dark ink, appearing to read "Alex B. Morse", written over a horizontal line.

Printed Name: Alex B. Morse

Title: Mayor

Date:

4-27-2017

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

Responsibilities for some tasks under this permit have been assigned to a contract vendor SUEZ Environmental Services (SUEZ) (formally United Water), under contract with the City as of October 2005. As such, the "Responsible Department/Person Name" category has been updated for all tasks that have been completed by SUEZ in Permit Years 4 through 14.

Due to a delay in the issuance of the new General Permit, Permit Year Five BMP goals were extended through to Permit Year Thirteen. A final Massachusetts MS4 General Permit has not been issued for the next permit cycle. The City and SUEZ have completed the required self-assessment and have determined that Holyoke is in compliance with all permit conditions.

### Part III. Summary of Minimum Control Measures

#### 1. Public Education and Outreach

| BMP ID #                  | BMP Description             | Responsible Dept./Person Name | Measurable Goal(s)       | Progress on Goal(s) – Permit Year 14<br>(Reliance on non-municipal partners indicated, if any)                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Comments |
|---------------------------|-----------------------------|-------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| HOL-PE-1<br>No Revisions  | Stream BMP Letter           | Conservation/A. Smith         | Mail letters to abutters | The Stream BMP letters were sent out in Permit Year 14.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
| HOL-PE-1a<br>No Revisions | Stream BMP Pamphlet         | Conservation/A. Smith         | Distribute 200 Pamphlets | <p>A brochure, <i>Massachusetts Rivers Protection Act</i>, outlines BMPs related to preventing stormwater pollution. Brochures are left for the public outside the offices of the City's Conservation and Sustainability Department (CSD) and posted on the CSD's webpage.</p> <p>The CSD has also posted a wetland protection pamphlet written by the Massachusetts Department of Environmental Protection (MA DEP) that has statements about erosion and sedimentation controls and the conversion of impervious surfaces to vegetated surfaces.</p> |          |
| HOL-PE-2a<br>No Revisions | Snow Handling Policy        | Conservation/A. Smith         | Policy Developed         | No Action Required. This BMP was completed in Permit Year 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| HOL-PE-2b                 | Snow Handling Press Release | Conservation/A. Smith         | Distribute to 10 Outlets | <p>During winter months, the City of Holyoke provides a link titled Snow Handling and Disposal Guidance written by the MA DEP. The link is located on the CSD's webpage.</p> <p>The CSD mails joint press releases with the DPW at the beginning and end of winter to provide property owners with guidance on how to handle and dispose of snow, but the releases are not always run by the newspaper.</p>                                                                                                                                            |          |



| BMP ID #                   | BMP Description               | Responsible Dept./Person Name | Measurable Goal(s)          | Progress on Goal(s) – Permit Year 14<br>(Reliance on non-municipal partners indicated, if any)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Comments |
|----------------------------|-------------------------------|-------------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| HOL-PE-5<br>No Revisions   | Hazardous Waste Collection    | DPW/M. McManus                | One collection day per year | <p>The City held two Household Hazardous Waste (HHW) collection days on June 11, 2016 and October 8, 2016. The event was advertised in the local newspaper. There was no cost to the City due to it being included as a service in our host community agreement with the transfer station operator, UWM Holdings.</p> <p>The DPW webpage has a section devoted to the proper handling of HHW. This section has a phone number to call in order to find out about when the next HHW Day is scheduled as well as the following links:</p> <ul style="list-style-type: none"> <li>• <a href="http://www.keepmercuryfromrising.org">www.keepmercuryfromrising.org</a>;</li> <li>• Information on toxic home and garden products from the Toxic Use Reduction Institute in Lowell, MA; and</li> <li>• The Massachusetts DEP's guidance on Homeowner Oil Spill Cleanup.</li> </ul> |          |
| HOL-PE-6<br>Revised in PY6 | Bilingual Stormwater Brochure | DPW/M. McManus                | Distribute 5000 Brochures   | <p>The Bilingual Stormwater Rebate Brochure was developed in Permit Year 6 by the Pioneer Valley Planning Commission (PVPC). This brochure is available on-line on the City's DPW webpage and also available for pick-up at the DPW.</p> <p>The DPW website links to a press release posted on the Pioneer Valley Planning Commission's website. The press release explains the rebate program and the reason for it.</p> <p>No rebate forms were turned in by residents during Permit Year 14.</p>                                                                                                                                                                                                                                                                                                                                                                          |          |

| BMP ID #     | BMP Description                                   | Responsible Dept./Person Name | Measurable Goal(s)                           | Progress on Goal(s) – Permit Year 14<br>(Reliance on non-municipal partners indicated, if any)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Comments |
|--------------|---------------------------------------------------|-------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| HOL-PE-7     | Participation in CT River Stormwater Subcommittee | DPW/M. McManus                | Contribute to group & attend 50% of meetings | <p>The City of Holyoke has contributed to the Connecticut River Stormwater Subcommittee and has participated in at least 50% of their meetings. In the past Permit Year, the City of Holyoke's involvement in the subcommittee has included the following:</p> <ul style="list-style-type: none"> <li>• Reached out to dog owners on pet waste disposal practices</li> <li>• Expanded understanding about stormwater issues and permit compliance</li> <li>• Promoted Soak up the Rain stormwater education campaign</li> <li>• Defined program of effective stormwater messaging for the next five-year permit term</li> <li>• Continued planning for website education in the Pioneer Valley</li> <li>• Collaborated with Massachusetts state-wide coalition of stormwater coalitions</li> <li>• Designed and constructed demonstration rain garden at the Renaissance School in Springfield</li> <li>• Led project in Chicopee, Ludlow, and Springfield to reduce urban flows into Chicopee River</li> <li>• Led urban tree planting project in Chicopee, Holyoke, and Springfield</li> <li>• Led project in Holyoke to reduce urban flows into Day Brook</li> </ul> |          |
| No Revisions |                                                   |                               |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |

## 2. Public Involvement and Participation

| BMP ID #       | BMP Description                    | Responsible Dept./Person Name | Measurable Goal(s)                 | Progress on Goal(s) – Permit Year 14<br>(Reliance on non-municipal partners indicated, if any)                                                                                                                                                                                                                                                                                                  | Comments |
|----------------|------------------------------------|-------------------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| HOL-PP-1a      | Storm Drain Stenciling Development | DPW/M. McManus                | Develop program–Year 1             | No Action Required. This BMP was completed in Permit Year 1 by the City and updated in Permit Year 4 by SUEZ.                                                                                                                                                                                                                                                                                   |          |
| No Revisions   |                                    |                               |                                    |                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| HOL-PP-1b      | Storm Drain Stenciling             | SUEZ/P. Donahue               | Work with one not-for-profit group | Storm drain marking took place on the 19th and 20th of July 2016. Volunteers from the Boys and Girls Club of Greater Holyoke participated in the storm drain marking event. The group added and replaced stencils to the catch basins on the following streets Rhode Island, Florida, Michigan, Erie, Superior, Huron, Ontario, Gray, Richard Egan, Ernst, Lynn Ann, Lynch, Garden, and Autumn. |          |
| Revised in PY4 |                                    |                               |                                    |                                                                                                                                                                                                                                                                                                                                                                                                 |          |
| HOL-PP-1c      | Storm Drain Stenciling Maintenance |                               | Deleted                            | No Action Required. This BMP was deleted in Permit Year 4.                                                                                                                                                                                                                                                                                                                                      |          |
| Revised in PY4 |                                    |                               |                                    |                                                                                                                                                                                                                                                                                                                                                                                                 |          |

| BMP ID #                 | BMP Description           | Responsible Dept./Person Name       | Measurable Goal(s)               | Progress on Goal(s) – Permit Year 14<br>(Reliance on non-municipal partners indicated, if any)                                                                                                                                                                                                                                                                | Comments |
|--------------------------|---------------------------|-------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| HOL-PP-2                 | Stormwater Public Meeting | Stormwater Authority/<br>M. McManus | Host two meetings annually       | The Stormwater Authority meets as part of the Board of Public Works to discuss stormwater issues. Meetings occurred twenty-four times over the course of the last permit year. All meetings were open to the public.                                                                                                                                          | "        |
| No Revisions             |                           |                                     |                                  |                                                                                                                                                                                                                                                                                                                                                               |          |
| HOL-PP-3                 | Holyoke Clean Up          | SUEZ/P. Donahue                     | Coordinate one clean up annually | The Source to the Sea Clean-up was held September 23, 2016. Approximately 500 pounds of debris were removed and disposed of in Maine via rail.<br><br>SUEZ has committed to sweeping the entire City every year and weekly sweeping of the three main thoroughways (Main Street, Maple Street, and High Street) from March to October for the past ten years. |          |
| Added PY5<br>Revised PY7 |                           |                                     |                                  |                                                                                                                                                                                                                                                                                                                                                               |          |

### 3. Illicit Discharge Detection and Elimination

| BMP ID #     | BMP Description                    | Responsible Dept./Person Name    | Measurable Goal(s)            | Progress on Goal(s) – Permit Year 14<br>(Reliance on non-municipal partners indicated, if any)                                                                                                                                                                            | Comments |
|--------------|------------------------------------|----------------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| HOL-IDD-1a   | Storm Drain Mapping                | DPW/M. McManus                   | Develop Map–Year 1            | No Action Required. This BMP was completed in Permit Year 1 by the City. Continue updating storm drain map as new developments were permitted to connect to city drain system.                                                                                            |          |
| No Revisions |                                    |                                  |                               |                                                                                                                                                                                                                                                                           |          |
| HOL-IDD-1b   | Outfall Inspections                | SUEZ/P. Donahue                  | Inspect 20% outfalls annually | Based on a November 2009 evaluation of the digital map, there are 73 outfalls associated with the separated storm system within the urbanized area of Holyoke.<br><br>Outfalls at Broad Brook were inspected in the Fall. Canal outfalls were inspected in the Spring.    |          |
| No Revisions |                                    |                                  |                               |                                                                                                                                                                                                                                                                           |          |
| HOL-IDD-1c   | Stormwater Ordinance Revision      | SUEZ/P. Donahue & DPW/M. McManus | Ordinance Reviewed            | This BMP was completed in PY 8.<br><br>Illicit connections are prohibited by the City's Zoning Ordinance, Appendix A, Section 6.5.8, Water Pollution. In addition, a new stormwater regulation will reinforce the prohibition on illicit discharge, (see BMP HOL-PCRC-2). |          |
| No Revisions |                                    |                                  |                               |                                                                                                                                                                                                                                                                           |          |
| HOL-IDD-1d   | Detection Plan                     | SUEZ P. Donahue                  | Plan Completed                | Completed in Permit Year 7.                                                                                                                                                                                                                                               |          |
| No Revisions |                                    |                                  |                               |                                                                                                                                                                                                                                                                           |          |
| HOL-IDD-1e   | Elimination of Illicit Connections | SUEZ/P. Donahue                  | Eliminate 50% of Connections  | No illicit connections were identified during the prior year's outfall inspections; therefore, none were required to be eliminated.                                                                                                                                       |          |
| No Revisions |                                    |                                  |                               |                                                                                                                                                                                                                                                                           |          |

#### 4. Construction Site Stormwater Runoff Control

| BMP ID #     | BMP Description           | Responsible Dept./Person Name | Measurable Goal(s)              | Progress on Goal(s) – Permit Year 14<br>(Reliance on non-municipal partners indicated, if any)                                                                                                                                                                                                                                                                                                                                                 | Comments |
|--------------|---------------------------|-------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| HOL-CSRC-1   | Erosion Control Ordinance | DPW/M. McManus                | Ordinance Reviewed              | No Action Required. This BMP was completed in Permit Year 2 by the City.                                                                                                                                                                                                                                                                                                                                                                       |          |
| No Revisions |                           |                               |                                 | Links to the erosion control ordinance and the EPA's Construction General Permit are posted on the City's website.                                                                                                                                                                                                                                                                                                                             |          |
| HOL-CSRC-2a  | Inspection Plan           | DPW/M. McManus                | Create Plan                     | This BMP was completed. The inspection plan is described for reference.                                                                                                                                                                                                                                                                                                                                                                        |          |
| No Revisions |                           |                               |                                 | The City Engineer and CSD Director inspect sites during construction for sediment and erosion control issues. Sites within the Resource Protection area are reviewed by the CSD Director; sites outside the Resource Protection area are reviewed by the City Engineer. Any sites requiring maintenance or adjustment of sediment or erosion control structures receive a letter documenting the issue, and requesting the issue be corrected. |          |
| HOL-CSRC-2b  | Site Inspections          | DPW/M. McManus                | Inspect 90% of New Construction | Due to a change in staff during the permit year, there were no documented warnings for erosion control issued.<br><br>The CSD also looks for construction activities that have not been permitted and notifies the landowner of the permit requirements.<br><br>If sediment/erosion issues are cited, a letter is sent to the landowner. The letter references Article II, Grading and Soil Erosion Control, of the City's ordinances.         |          |

## 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 14<br>(Reliance on non-municipal partners indicated, if any)                                                                                                                                           | Comments |
|-----------------------------|---------------------------|-----------------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| HOL-PCRC-1a<br>No Revisions | Basin Inventory           | DPW/M. McManus<br>Conservation/A. Smith | Inventory All Existing Basins   | No Action Required. This BMP was completed in Permit Year 1 by the City. Five (5) new basins were constructed and reviewed in Permit Year 14. Chestnut Park Condos, U-Haul Site, and Pride Station.                                      |          |
| HOL-PCRC-1b<br>No Revisions | Annual Inspections        | Conservation/A. Smith                   | Inspect 50% of Basins/yr.       | Approximately twenty (20) detention/retention basins were inspected during Permit Year 14.                                                                                                                                               |          |
| HOL-PCRC-1c<br>No Revisions | Basin Inventory Follow-up | Conservation/A. Smith                   | Letters to Non-Compliant Owners | Enforcement orders (2) issued in Permit Year 14. A total of Four corrective actions were requested for bringing sites into compliance with O&M Plans. Basins are not accepted until final stabilization and cleaning has been performed. |          |
| HOL-PCRC-2<br>No Revisions  | Stormwater Ordinance      | DPW/M. McManus                          |                                 | Although this BMP was completed in PY 3, a new ordinance was drafted in 2009 and adopted on May 17, 2010.<br><br>A copy of the ordinance is provided on the DPW website.                                                                 |          |

## 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 14<br>(Reliance on non-municipal partners indicated, if any)                                                                                                                                                                                                                                                                                                                                                                                         | Comments |
|----------------------------|------------------------------|-------------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| HOL-MGH-1<br>No Revisions  | Storm Drain Mapping          | DPW/M. McManus                | Develop Map—Year 1      | No Action Required. This BMP was completed during Permit Year 1. Continue stormwater map updating as new connections were approved.                                                                                                                                                                                                                                                                                                                                                    |          |
| HOL-MGH-2a<br>No Revisions | Emergency Plans              | DPW/M. McManus                | Revise Plan & Train     | This BMP was completed in PY6                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| HOL-MGH-2b<br>Revised PY5  | Pollution Prevention Plan    | DPW/M. McManus                | Offer Plan/Training     | The SWPPP for the wastewater treatment plant was updated September 2015 (Permit Year 13) based on the 2015 MSGP that was issued in August 2015. SPCC and SWPPP training took place on April 12, 2016.<br><br>The Department of Public Works website includes links for Stormwater Pollution Prevention and Outreach Education available here:<br><a href="http://www.holyoke.org/departments/public-works/#extra6-tab">http://www.holyoke.org/departments/public-works/#extra6-tab</a> |          |
| HOL-MGH-3a<br>No Revisions | Catch Basin Cleaning Program | SUEZ/P. Donahue               | Develop Plan            | No Action Required. This BMP was completed during Permit Year 1.                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| HOL-MGH-3b<br>No Revisions | Catch Basin Cleaning Program | SUEZ/P. Donahue               | Clean All Basins        | The city cleaned 95 catch basins in Permit Year 14. A total of 37.5 tons of material were removed and disposed of at Chicopee Landfill.                                                                                                                                                                                                                                                                                                                                                |          |
| HOL-MGH-4a                 | Street Sweeping Program      | SUEZ/P. Donahue               | Develop Plan            | No Action Required. This BMP was completed during Permit Year 1.                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
| HOL-MGH-4b<br>No Revisions | Street Sweeping Program      | SUEZ/P. Donahue               | Sweep All Streets       | All streets (175 miles of road on both sides) were swept during Permit Year 14. Approximately fifteen-hundred tons of material were removed from Holyoke Streets and disposed of in the Chicopee Landfill.                                                                                                                                                                                                                                                                             |          |
| HOL-MGH-5<br>No Revisions  | Illegal Dumping Ordinance    | DPW/M. McManus                | Review/Revise Ordinance | No Action Required. This BMP was completed during Permit Year 3.                                                                                                                                                                                                                                                                                                                                                                                                                       |          |

**7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA)** *This requirement is not applicable because no waters within Holyoke have TMDLs that specify Waste Load Allocations for stormwater.*

| BMP ID #     | BMP Description | Responsible Dept./Person Name | Measurable Goal(s) | Progress on Goal(s) – Permit Year 14<br>(Reliance on non-municipal partners indicated, if any) | Comments |
|--------------|-----------------|-------------------------------|--------------------|------------------------------------------------------------------------------------------------|----------|
| No Revisions |                 |                               |                    | Not applicable                                                                                 |          |

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

Information collected was described in Part III of this Annual Report.

#### 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)          | Y |
| Stream teams established or supported                                   | (# or Y/N)     | Y |
| Shoreline clean-up participation or quantity of shoreline miles cleaned | (Y/N or Miles) | Y |
| Household Hazardous Waste Collection Days                               |                |   |
| ▪ days sponsored                                                        | (#)            | 1 |
| ▪ community participation                                               | (%)            |   |
| ▪ material collected                                                    | (Tons or Gal)  |   |
| School curricula implemented                                            | (y/n)          |   |
|                                                                         |                |   |
|                                                                         |                |   |

## Legal/Regulatory

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

## Mapping and Illicit Discharges

|                                        |            |            |
|----------------------------------------|------------|------------|
| Outfall mapping complete               |            |            |
| Estimated or actual number of outfalls | (%)        | 100%       |
| System-Wide mapping complete           | (#)        | 73         |
| Mapping method(s)                      | (%)        | 100% Draft |
| ▪ Paper/Mylar                          |            |            |
| ▪ CADD                                 | (%)        |            |
| ▪ GIS                                  | (%)        |            |
| Outfalls inspected/screened            | (%)        | 100%       |
| Illicit discharges identified          | (# or %)   | 25%        |
| Illicit connections removed            | (#)        | 0          |
|                                        | (#)        | 0          |
| % of population on sewer               | (est. gpd) |            |
| % of population on septic systems      | (%)        | est 80%    |
|                                        | (%)        | est 20%    |

## Construction

|                                                                                                   |            |     |
|---------------------------------------------------------------------------------------------------|------------|-----|
| Number of construction starts (>1-acre)                                                           | (#)        |     |
| Estimated percentage of construction starts adequately regulated for erosion and sediment control | (%)        | 100 |
| 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)  | 1  |
| Average frequency of catch basin cleaning (commercial/arterial or other critical streets) | (times/yr)  | 1+ |
| Total number of structures cleaned                                                        | (#)         | 95 |
| Storm drain cleaned                                                                       | (LF or Mi.) |    |

|                                                                                                |                                                                                           |           |
|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------|
| Qty. of screenings/debris removed from storm sewer infrastructure                              | (lbs. or tons)                                                                            | 37.5 tons |
| Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.) |                                                                                           | Landfill  |
| Cost of screenings disposal                                                                    | (\$)                                                                                      | 10,000    |
| Average frequency of street sweeping (non-commercial/non-arterial streets)                     | (times/yr)                                                                                | 1         |
| Average frequency of street sweeping (commercial/arterial or other critical streets)           | (times/yr)                                                                                | 1+        |
| Qty. of sand/debris collected by sweeping                                                      | (lbs. or tons)                                                                            | 1500 tons |
| Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)                          | (Location)                                                                                | Landfill  |
| Cost of sweepings disposal                                                                     | (\$)                                                                                      | 60,000    |
| Vacuum street sweepers purchased/leased                                                        | (#)                                                                                       | 3         |
| Vacuum street sweepers specified in contracts                                                  | (Y/N)                                                                                     | Y         |
| 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)                                                                                     | Y         |
| Manual control spreaders used                                                                  | (Y/N)                                                                                     | 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)                                                                                     | Y         |
| Storage shed(s) in design or under construction                                                | (Y/N)                                                                                     |           |
|                                                                                                |                                                                                           |           |