

# CITY OF PEABODY

24 Lowell Street  
Peabody, Massachusetts 01960



P. 978-538-5700  
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## OFFICE OF THE MAYOR EDWARD A. BETTENCOURT, JR.

March 22, 2018

Ms. Glenda Velez  
ATTENTION: CIP  
U.S. Environmental Protection Agency – Region 1  
5 Post Office Square-OEP06-01  
Boston, MA 02109-3912

**Subject: National Pollutant Discharge Elimination System (NPDES) Phase II  
Small Municipal Separate Stormwater Sewer System (MS4) General  
Permit Annual Report (Due: May 1, 2017)**

Dear Ms. Glenda Velez,

Enclosed please find a copy of the City of Peabody Massachusetts NPDES Phase II Small MS4 annual report in accordance with the provisions of the Clean Water Act, as amended, (33 U.S.C. § 1251 et. Seq. {the Act}).

Please contact David Terenzoni the Public Services Director at (978) 536-7116 if you have any questions.

Very truly yours,

Edward A. Bettencourt, Jr.  
Mayor, City of Peabody

Enclosures

cc: David Terenzoni, PLS

**Municipality/Organization:** CITY OF PEABODY

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**EPA NPDES Permit Number:** MAR 05D194

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**MaDEP Transmittal Number:** W-035400

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**Annual Report Number** Year 14  
**& Reporting Period:** April 1, 20016 – March 31, 2017

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## **NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2017)**

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

**Contact Person:** DAVID TERENCEZONI  
**Title:** DIRECTOR, PUBLIC SERVICES

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**Telephone #:** 978-536-7116  
**Email:** david.terenzoni@peabody-ma.gov  
**Mailing Address:** 50 Farm Avenue, Peabody, MA 01960

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#### Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

**Signature:**



**Printed Name:** Edward A. Bettencourt, Jr.

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**Title:** Mayor of Peabody

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**Date:** 3-26-18

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

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

**Peabody has an extensive household hazardous waste program. Besides a once a year drop off, we collect waste oil, car batteries, propane tanks, computer monitors, refrigerators, televisions, computer units, air conditioners, and yard waste at all times throughout the year. From this program, we properly manage a number of toxic substances and enhance protection of stormwater quality. We also increased our curbside leaves collection program from 6 weeks/year to now 12 weeks/year and provide drop off yard waste at all times throughout the year at no charge to the residents.**

**We sweep all city streets in the spring to remove sediment improving runoff water quality. This winter had 15 salt operations, we did not use any sand on City roads causing less stormwater sediment in our MS4 system. This past year the City cleaned approximately 700 catch basins to help ensure water quality is met. In addition, we vacuumed and flushed over 25 miles of drain lines in the downtown area, Main St. corridor and sections of South and West Peabody.**

**We also have minimized or eliminated the generation of hazardous waste at our DPW facilities to eliminate environmental impacts. Our vehicles are stored inside and are highly maintained, reducing leaks of fuel, hydraulic fluids, and other maintenance related toxic materials.**

**The Friends of Peabody's Lakes are locally meeting in order to focus on all Peabody water bodies in educating the public and improving water quality/recreational opportunities for Peabody's water ways. This group also conducts local sampling and shoreline clean ups throughout the year.**

### 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)                                                                                                                                                                       | Planned Activities – Permit Year 15                                           |
|----------|-------------------------|-------------------------------|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| 1A       | Develop educ. resources | CD/DPS                        | SW Education Brochure                                 | Placed brochures at City Hall and all Public Libraries of the 2016 Greenscapes Guide-This addresses stormwater education, pesticide application and composting. In addition, had rain garden how to manuals available at the DPS facility free to Peabody residents. | Continue similar action with the addition of a pet waste informational guide. |
| Revised  |                         |                               |                                                       |                                                                                                                                                                                                                                                                      |                                                                               |
| 1B       | Develop educ. resources | DPS                           | SW Educational Video                                  | Had 2 stormwater educational videos play on the City's public access station in the spring and in the fall. Plus had a stormwater message place on a City electronic billboard.                                                                                      | Continue similar action.                                                      |
| Revised  |                         |                               |                                                       |                                                                                                                                                                                                                                                                      |                                                                               |
| 1C       | Implem. educ. resources | CD                            | Inform people how to get involved w/local restoration | Cleaning of the North River, Proctor Brook, Goldthwaite Brook, Tapley Brook and Strongwater Brook during 2016.                                                                                                                                                       | Continue cleanups for North River and all major brooks throughout the city.   |
| Revised  |                         |                               |                                                       |                                                                                                                                                                                                                                                                      |                                                                               |
| 1D       | Implem. educ. resources | CD/DPS                        | Educate children of SW pollution and prevention       | Provided brochures outside of our City Recreational Dept on how to make your own rain garden & outdoor and indoor water conservation tips.                                                                                                                           | Continue similar action with the addition of a pet waste informational guide. |
| Revised  |                         |                               |                                                       |                                                                                                                                                                                                                                                                      |                                                                               |

|         |                         |        |                                                          |                                                                                                                   |                                              |
|---------|-------------------------|--------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| 1E      | Implem. educ. resources | CD/DPS | Cont. educ. of public using Local TV advertising & press | River cleanups were featured on Public Access and in the newspapers during 2016.                                  | Continue similar action.                     |
| Revised |                         |        |                                                          |                                                                                                                   |                                              |
| 1F      | Implem. educ. resources | DPS    | Cont. sign posting & animal waste cleanup enforcement    | Signs are annually checked and replaced as needed by the DPW.<br>Continue to meet goal through municipal funding. | Continue action.<br><br>Continue activities. |
| Revised |                         |        |                                                          |                                                                                                                   |                                              |
|         |                         |        |                                                          |                                                                                                                   |                                              |

### 1a. Additions

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## 2. Public Involvement and Participation

| BMP ID # | BMP Description         | Responsible Dept./Person Name | Measurable Goal(s)                                                               | Progress on Goal(s) – Permit Year 14<br>(Reliance on non-municipal partners indicated, if any)                                                                                                                                      | Planned Activities – Permit Year 15             |
|----------|-------------------------|-------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| 2A       | Implem. educ. resources | CD/DPS                        | Inform people how to get involved w/local restoration                            | North River, Goldthwaite Proctor, Tapley and Strongwater brook clean up.                                                                                                                                                            | Continue cleanups for City water bodies.        |
| Revised  |                         |                               |                                                                                  |                                                                                                                                                                                                                                     |                                                 |
| 2B       | SW Drain Stenciling     | DPS/CD                        | Investigate program thru volunteer assistance                                    | Stenciled areas around downtown and at the square.                                                                                                                                                                                  | Focus on sections of Central Peabody.           |
| Revised  |                         |                               |                                                                                  |                                                                                                                                                                                                                                     |                                                 |
| 2C       | Restoration and Cleanup | CD/DPS                        | Cont. w/Boy Scouts/Eagle Scouts river, stream/brook and pond cleanup/restoration | North River Crystal Lake and Spring Pond cleaned up in 2016.                                                                                                                                                                        | Continue cleanups for City water bodies.        |
| Revised  |                         |                               |                                                                                  |                                                                                                                                                                                                                                     |                                                 |
| 2D       | Public Involvement      | CD/DPS/P&RD                   | Increase public awareness and recreational use of Crystal Lake                   | Had high school student's design and place nature fact signs along bike path with new vernal pool signs along path.                                                                                                                 | Update and maintain bike path.                  |
| Revised  |                         |                               |                                                                                  |                                                                                                                                                                                                                                     |                                                 |
| 2E       | Public Involvement      | Salem Coastwatch              | North River Seminars and Meetings                                                | Met with Salem Coast Watch in 2016 to discuss future North River projects. Continued meeting with Salem Coast Watch to discuss watershed protection along with downstream flooding concerns as well as new MS4 permit requirements. | Continue public dialogue education and updates. |
| Revised  |                         |                               |                                                                                  |                                                                                                                                                                                                                                     |                                                 |
| Revised  |                         |                               |                                                                                  |                                                                                                                                                                                                                                     |                                                 |

### 2a. Additions

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### 3. Illicit Discharge Detection and Elimination

| BMP ID # | BMP Description              | Responsible Dept./Person Name | Measurable Goal(s)                                        | Progress on Goal(s) – Permit Year 14<br>(Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 15 |
|----------|------------------------------|-------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------|
| 3A       | GIS Mapping Program          | DPS                           | Cont. to impr. & update storm sewer & drain syst. mapping | Continuing of digitizing all stormwater drains. Is on website all City employees have access.  | Update website as needed.           |
| Revised  |                              |                               |                                                           |                                                                                                |                                     |
| 3B       | Ident. of Illegal discharges | DPS                           | Cont. eliminating discharges thru map. & monitoring       | No illegal discharges identified.                                                              | Continue monitoring action.         |
| Revised  |                              |                               |                                                           |                                                                                                |                                     |
| 3C       | State Assessments            | CD                            | Cont. assist w/water assessments                          | Implementing recommendations of watershed protection plans.                                    | Continue action.                    |
| Revised  |                              |                               |                                                           |                                                                                                |                                     |
| Revised  |                              |                               |                                                           |                                                                                                |                                     |
| Revised  |                              |                               |                                                           |                                                                                                |                                     |
| Revised  |                              |                               |                                                           |                                                                                                |                                     |

#### 3a. Additions

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#### 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)                   | Planned Activities – Permit Year 15                              |
|----------|-------------------|-------------------------------|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| 4A       | SW Ordinance      | DPS                           | Dev. & Adopt for Const. & Post-Const. regulation           | Ordinance officially passed and has been adopted. Ordinance is also on city web site for all to view and follow. | Complete. Updates.                                               |
| Revised  |                   |                               |                                                            |                                                                                                                  |                                                                  |
| 4B       | SW Ordinance      | CD                            | Est. regulations & guidelines to require controls and BMPs | Guidelines and BMPs are being updated.                                                                           | Continue action.                                                 |
| Revised  |                   |                               |                                                            |                                                                                                                  |                                                                  |
| 4C       | SW Ordinance      | Planning Board                | Conduct site plan review for BMPs                          | Educating employees and include in city project reviews.                                                         | Continue action.                                                 |
| Revised  |                   |                               |                                                            |                                                                                                                  |                                                                  |
| 4D       | SW Ordinance      | DPS/CD                        | Enforce violations and educate public                      | Educated customers to minimize enforcement actions. Local emergency and equipment rental contractors trained.    | Continue similar action.                                         |
| Revised  |                   |                               |                                                            |                                                                                                                  |                                                                  |
| 4E       | Review Ordinances | CD                            | Subdiv. Regs. to encourage better site design practices    | Researching new site designs, LID and pollution prevention and BMP alternatives.                                 | Continue with reviewing overall feasibility of new alternatives. |
| Revised  |                   |                               |                                                            |                                                                                                                  |                                                                  |
|          |                   |                               |                                                            |                                                                                                                  |                                                                  |
| Revised  |                   |                               |                                                            |                                                                                                                  |                                                                  |

#### 4a. Additions

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

| BMP ID # | BMP Description   | Responsible Dept./Person Name | Measurable Goal(s)                                         | Progress on Goal(s) – Permit Year 14<br>(Reliance on non-municipal partners indicated, if any)        | Planned Activities – Permit Year 15 |
|----------|-------------------|-------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------|
| 5A       | SW Ordinance      | DPS                           | Dev. & Adopt for Const. & Post-Const. regulation           | Ordinance officially passed and has been adopted. Ordinance is also on city web site for all to view. | Complete. Updates.                  |
| Revised  |                   |                               |                                                            |                                                                                                       |                                     |
| 5B       | SW Ordinance      | DPS/CD                        | Est. regulations & guidelines to require controls and BMPs | Local BMP's are being implemented.                                                                    | Continue action.                    |
| Revised  |                   |                               |                                                            |                                                                                                       |                                     |
| 5C       | SW Ordinance      | DPS                           | Conduct site plan review for BMPs                          | Encourage Low Impact Development for all new construction in the City.                                | Continue action.                    |
| Revised  |                   |                               |                                                            |                                                                                                       |                                     |
| 5D       | SW Ordinance      | City Council & DPS            | Enforce violations and educate public                      | Educated customers and contractors to minimize enforcement actions.                                   | Continue action.                    |
| Revised  |                   |                               |                                                            |                                                                                                       |                                     |
| 5E       | Review Ordinances | Planning Board & DPS          | Subdiv. Regs. to encourage better site design practices    | Encourage (LID) and stormwater treatment technologies for all new subdivisions.                       | Continue action.                    |
| Revised  |                   |                               |                                                            |                                                                                                       |                                     |
|          |                   |                               |                                                            |                                                                                                       |                                     |
| Revised  |                   |                               |                                                            |                                                                                                       |                                     |

### 5a. Additions

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## 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)                 | Planned Activities – Permit Year 15                                                    |
|----------|------------------------------------|-------------------------------|---------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| 6A       | Street Sweeping                    | DPS                           | Cont. to sweep city streets                 | Entire city was swept.                                                                                         | Entire city will be swept twice a year.                                                |
| Revised  |                                    |                               |                                             |                                                                                                                |                                                                                        |
| 6B       | Catch Basin & Storm Drain Cleaning | DPS                           | Cont. to clean catch basins & storm drains. | Cleaned all the main streets, hills, all of the downtown and specific problem areas in South and West Peabody. | Continue action.                                                                       |
| Revised  |                                    |                               |                                             |                                                                                                                |                                                                                        |
| 6C       | Stormwater Monitoring Report       | DPS/FOPL                      | Develop yearly monitoring report            | Done by Salem Coast Watch and Friends of Peabody's Lakes.                                                      | Continue stormwater monitoring with Salem Coast Watch and Friends of Peabody's Lakes.  |
| Revised  |                                    |                               |                                             |                                                                                                                |                                                                                        |
| 6D       | GIS Mapping of Storm Sewer         | DPS                           | Map entire city storm sewer system          | Digitized storm water system complete.                                                                         | Update as needed.                                                                      |
| Revised  |                                    |                               |                                             |                                                                                                                |                                                                                        |
| 6E       | Operations & Maintenance Plans     | DPS                           | Cont. St. sweep program                     | Sweep all 154 miles of city to remove debris from streets.                                                     | All of city will be swept again to remove debris from streets twice a year.            |
| Revised  |                                    |                               |                                             |                                                                                                                |                                                                                        |
| 6F       | Training and Maintenance Program   | DPS                           | Conduct refresher training once a year.     | Training in haz. materials & spill cleanup, plus additional training in labeling, injuries, etc.               | Continue action.                                                                       |
| Revised  |                                    |                               |                                             |                                                                                                                |                                                                                        |
| 6G       | Storage of Hazardous Materials     | DPS                           | Develop yearly monitoring report.           | Inspect monthly per MA DEP Regulation, in compliance with Haz. Waste Regs.                                     | Continue to inspect monthly per MA DEP Regulation, in compliance with Haz. Waste Regs. |
| Revised  |                                    |                               |                                             |                                                                                                                |                                                                                        |
| 6H       | Spill Prevention Plan              | DPS                           | Upscale SPCC Plan                           | Updating plan as needed.                                                                                       | Continue action.                                                                       |
| 6I       | Spill Prevention Training          | DPS                           | Conduct refresher training once a year.     | Training in haz. materials & spill cleanup, plus additional training in labeling, spill prevention.            | Continue action.                                                                       |
| Revised  |                                    |                               |                                             |                                                                                                                |                                                                                        |
|          |                                    |                               |                                             |                                                                                                                |                                                                                        |
| 6J       | SW Operation & Maintenance         | DPS                           | Dev. SW O&M Program for employees           | O&M Plan and BMP for City Facilities in place.                                                                 | Continued use of O&M protocol.                                                         |
| 6K       | Master Plan                        | DPS                           | Incorp. BMP's in Master Plan                | Incorporating BMP's.                                                                                           | Update as needed.                                                                      |

|      |                                             |        |                                                                 |                                                                                                                                                                           |                                                                                             |
|------|---------------------------------------------|--------|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| 6L   | Maintenance Plan                            | DPS    | Improve plan and schedule for BMPs                              | Implementing spill and pollution prevention techniques.                                                                                                                   | Continue action.                                                                            |
| 6M   | Identify facilities compliance              | DPS    | Identify # facilities & controls in compl. w/Maintenance sched. | DPS inspect city facilities annually, additional inspections may occur if needed.                                                                                         | Continue action.                                                                            |
| 6N   | Haz. material storage                       | DPS/FD | Cont. to improve hazmat. storage @municipal facilities          | On going effort at all City Facilities.                                                                                                                                   | Continued effort by City Fire Department to properly store Haz Mats at all city facilities. |
|      |                                             |        |                                                                 |                                                                                                                                                                           |                                                                                             |
| 6O   | SWMP pollution reduction                    | DPS    | Identify & estimate % reduction over next five years            | Help reduce overall stormwater pollution with sediment control run-off devices, stormwater systems and through site inspections, project reviews and enforcement actions. | To increase the reduction of stormwater pollution city wide.                                |
| 6P   | BMPs if TMDLs are set                       | DPS    | If TMDLs are set in nxt 5 yrs, identify if BMPs meet TMDLs      | N/A.                                                                                                                                                                      | N/A.                                                                                        |
| 6Q/R | Recycling & Composting & Cleanup facilities | DPS    | Cont. to encourage                                              | Press releases and brochures were generated to encourage community participation.                                                                                         | Continue action.                                                                            |
| 6S   | Household Haz. Waste Day                    | DPS    | Cont. to encourage and improve awareness                        | Press releases and brochures were generated to encourage city participation.                                                                                              | Continue action.                                                                            |
|      |                                             |        |                                                                 |                                                                                                                                                                           |                                                                                             |
|      |                                             |        |                                                                 |                                                                                                                                                                           |                                                                                             |

## 6a. Additions

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

| <b>BMP ID #</b> | <b>BMP Description</b> | <b>Responsible Dept./Person Name</b> | <b>Measurable Goal(s)</b> | <b>Progress on Goal(s) – Permit Year 14<br/>(Reliance on non-municipal partners indicated, if any)</b> | <b>Planned Activities – Permit Year 15</b> |
|-----------------|------------------------|--------------------------------------|---------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------|
|                 |                        |                                      |                           |                                                                                                        |                                            |
| Revised         |                        |                                      |                           |                                                                                                        |                                            |
|                 |                        |                                      |                           |                                                                                                        |                                            |
| Revised         |                        |                                      |                           |                                                                                                        |                                            |
|                 |                        |                                      |                           |                                                                                                        |                                            |
| Revised         |                        |                                      |                           |                                                                                                        |                                            |
|                 |                        |                                      |                           |                                                                                                        |                                            |
| Revised         |                        |                                      |                           |                                                                                                        |                                            |
|                 |                        |                                      |                           |                                                                                                        |                                            |
| Revised         |                        |                                      |                           |                                                                                                        |                                            |
|                 |                        |                                      |                           |                                                                                                        |                                            |
| Revised         |                        |                                      |                           |                                                                                                        |                                            |

**7a. Additions**

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**7b. WLA Assessment**

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

Peabody's information was collected through a number of City departments, local watershed organizations, associations and volunteers. The City will be collecting and analyzing basic water monitoring data from city streams, ponds and lakes throughout Peabody. Water sample training is provided for all participants by the City.

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

##### Programmatic

|                                                |       |                              |
|------------------------------------------------|-------|------------------------------|
| Stormwater management position created/staffed | (y/n) | Yes,<br>staffed              |
| Annual program budget/expenditures             | (\$)  | Expenditures<br>about \$100K |
|                                                |       |                              |
|                                                |       |                              |

##### Education, Involvement, and Training

|                                                                         |                  |                   |
|-------------------------------------------------------------------------|------------------|-------------------|
| Estimated number of residents reached by education program(s)           | (# or %)         | 51,251            |
| 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<br>mi.)  | YES/20<br>miles   |
| Household Hazardous Waste Collection Days                               |                  |                   |
| ▪ days sponsored                                                        | (#)              | 365               |
| ▪ community participation                                               | (%)              | About 42%         |
| ▪ material collected                                                    | (tons or<br>gal) | About 2210<br>gal |
| School curricula implemented                                            | (y/n)            | N                 |
|                                                                         |                  |                   |
|                                                                         |                  |                   |

##### Legal/Regulatory

|                                                 | In Place<br>Prior to<br>Phase II | Under<br>Review | Approved |
|-------------------------------------------------|----------------------------------|-----------------|----------|
| Regulatory Mechanism Status (indicate with "X") |                                  |                 |          |

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

### Mapping and Illicit Discharges

|                                        |                    |      |
|----------------------------------------|--------------------|------|
| Outfall mapping complete               | (%)                | YES  |
| Estimated or actual number of outfalls | (#)                | 500+ |
| System-Wide mapping complete           | (%)                | 100% |
| Mapping method(s)                      |                    |      |
| ▪ Paper/Mylar                          | (%)                | 0    |
| ▪ CADD                                 | (%)                | 0    |
| ▪ GIS                                  | (%)                | 100% |
| Outfalls inspected/screened            | (# or %)           | 100% |
| Illicit discharges identified          | (#)                | 0    |
| Illicit connections removed            | (# )<br>(est. gpd) | 0    |
| % of population on sewer               | (%)                | 96%  |
| % of population on septic systems      | (%)                | 4%   |
|                                        |                    |      |
|                                        |                    |      |

### Construction

|                                                                                                   |            |      |
|---------------------------------------------------------------------------------------------------|------------|------|
| Number of construction starts (>1-acre)                                                           | (#)        | 3    |
| Estimated percentage of construction starts adequately regulated for erosion and sediment control | (%)        | 100% |
| Site inspections completed                                                                        | (# or %)   | 3    |
| Tickets/Stop work orders issued                                                                   | (# or %)   | 0    |
| Fines collected                                                                                   | (# and \$) | 0    |
| Complaints/concerns received from public                                                          | (#)        | 0    |
|                                                                                                   |            |      |
|                                                                                                   |            |      |

### Post-Development Stormwater Management

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

## Operations and Maintenance

|                                                                                                |                |                |
|------------------------------------------------------------------------------------------------|----------------|----------------|
| Average frequency of catch basin cleaning (non-commercial/non-arterial streets)                | (times/yr)     | 1 every 2 yrs. |
| Average frequency of catch basin cleaning (commercial/arterial or other critical streets)      | (times/yr)     | 1 every yr.    |
| Total number of structures cleaned                                                             | (#)            | 700            |
| Storm drain cleaned                                                                            | (LF or mi.)    | 25mi           |
| Qty. of screenings/debris removed from storm sewer infrastructure                              | (lbs. or tons) | Unknown        |
| Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.) |                | Landfill       |
| Cost of screenings disposal                                                                    | (\$)           | 0              |
|                                                                                                |                |                |
|                                                                                                |                |                |

|                                                                                      |                |          |
|--------------------------------------------------------------------------------------|----------------|----------|
| 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)     | 2        |
| Qty. of sand/debris collected by sweeping                                            | (lbs. or tons) | N/A      |
| Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)                | (location)     | Landfill |
| Cost of sweepings disposal                                                           | (\$)           | 0        |
| Vacuum street sweepers purchased/leased                                              | (#)            | Y        |
| Vacuum street sweepers specified in contracts                                        | (y/n)          | N        |
|                                                                                      |                |          |
|                                                                                      |                |          |

|                                                                                        |             |     |
|----------------------------------------------------------------------------------------|-------------|-----|
| Reduction in application on public land of: (“N/A” = never used; “100%” = elimination) |             |     |
| ▪ Fertilizers                                                                          | (lbs. or %) | 20% |
| ▪ Herbicides                                                                           | (lbs. or %) | 20% |
| ▪ Pesticides                                                                           | (lbs. or %) | 20% |
|                                                                                        |             |     |
|                                                                                        |             |     |

|                                    |                     |     |
|------------------------------------|---------------------|-----|
| Anti-/De-Icing products and ratios | % NaCl              | 0%  |
|                                    | % CaCl <sub>2</sub> | 70% |
|                                    | % Sand              | 30% |

|                                                          |             |                    |
|----------------------------------------------------------|-------------|--------------------|
| Pre-wetting techniques utilized                          | (y/n)       | Y                  |
| Manual control spreaders used                            | (y/n)       | Y                  |
| Automatic or Zero-velocity spreaders used                | (y/n)       | N                  |
| Estimated net reduction in typical year salt application | (lbs. or %) | 15%                |
| Salt pile(s) covered in storage shed(s)                  | (y/n)       | Y                  |
| Storage shed(s) in design or under construction          | (y/n)       | No, built in 1998. |
|                                                          |             |                    |
|                                                          |             |                    |

|                                                                                                                                     |          |   |
|-------------------------------------------------------------------------------------------------------------------------------------|----------|---|
| Storm water outfalls to public water supplies eliminated or relocated                                                               | # or y/n | Y |
| Installed or planned treatment BMPs for public drinking water supplies and their protection areas                                   | # or y/n | Y |
| <ul style="list-style-type: none"> <li>Treatment units induce infiltration within 500-feet of a wellhead protection area</li> </ul> | # or y/n | N |